

	name	fold	log2fold	tstat	pvalue	qvalue	updown	mzmed	mzmin	mzmax	rtmed	rtmin
1	M454T9_5	7.089724	-2.82573	-14.527	6.50E-07	0.009864	DOWN	453.6662	453.6613	453.6696	9.319233	9.1011
2	M236T9_5	4.000193	-2.00007	-11.0062	1.99E-05	0.151	DOWN	235.9605	235.9595	235.9619	9.343692	9.146383
3	M376T43_	3.884295	-1.95765	-12.1473	0.000155	0.537877	DOWN	376.1965	376.1964	376.1966	43.09975	42.86967
4	M366T9_3	2.050817	-1.0362	-6.45029	0.000212	0.5992	DOWN	365.7126	365.7123	365.7128	9.246042	9.20785
5	M331T10_	8.538908	-3.09405	-6.63644	0.000368	0.68844	DOWN	331.2239	331.2204	331.2338	10.15401	10.03658
6	M656T22	38.35961	5.261516	10.89041	0.000402	0.700702	UP	656.3214	656.3211	656.3216	21.82867	21.823
7	M169T9_2	2.076783	-1.05435	-7.601	0.000516	0.731253	DOWN	168.9117	168.9116	168.912	9.362817	9.264333
8	M656T18	12.38366	3.630366	9.794301	0.000593	0.746069	UP	656.3212	656.3212	656.3214	17.64633	17.62883
9	M394T20_	2.994661	-1.58239	-5.42364	0.000628	0.751837	DOWN	393.5215	393.5146	393.5281	20.238	20.20117
10	M455T9_7	2.404271	-1.2656	-5.1468	0.000879	0.780828	DOWN	454.9245	454.9166	454.9309	9.346042	9.175017
11	M494T10_	3.674821	1.877674	5.34679	0.001072	0.794629	UP	493.7574	493.757	493.758	9.785258	9.76065
12	M656T21_	36.90004	5.20555	8.375033	0.001111	0.796891	UP	656.3214	656.3211	656.3216	21.10975	21.10383
13	M1155T10	1.504935	-0.5897	-6.34111	0.001301	0.806042	DOWN	1155.09	1155.09	1155.091	9.750217	9.665433
14	M500T9_1	5.987877	-2.58204	-5.90078	0.001339	0.807584	DOWN	499.5551	499.5548	499.5553	9.283908	9.24215
15	M612T9_2	1.716578	-0.77954	-4.7147	0.001572	0.815524	DOWN	611.7664	611.7661	611.7668	9.289925	9.219483
16	M411T9_4	1.710025	-0.77402	-4.6768	0.001597	0.816236	DOWN	411.1106	411.1095	411.1142	9.311167	9.103733
17	M658T22	9.876674	3.304025	7.246183	0.001844	0.822365	UP	658.3373	658.3367	658.3374	21.72758	21.72283
18	M657T21_	3.669708	1.875665	7.014624	0.002133	0.827801	UP	657.3247	657.3246	657.3248	21.11583	21.112
19	M668T12	3.5457	1.82607	5.334049	0.002144	0.827966	UP	668.2848	668.2841	668.2862	12.35477	12.35367
20	M1983T10	1.618967	-0.69507	-4.67871	0.002251	0.829627	DOWN	1983.337	1983.335	1983.341	9.830783	9.728083
21	M201T9_7	2.627941	-1.39393	-4.63045	0.00238	0.831428	DOWN	200.6814	200.6777	200.6818	9.2946	9.1178
22	M656T21_	62.95413	5.976229	6.803694	0.002438	0.832185	UP	656.3215	656.3213	656.3217	20.76567	20.76367
23	M416T23	1.547528	-0.62997	-4.46178	0.002439	0.832198	DOWN	416.2145	416.2141	416.2149	22.84967	22.82817
24	M626T21	29.9432	4.904157	6.694949	0.002589	0.833989	UP	626.3106	626.3104	626.3109	21.45217	21.43683
25	M431T9_1	2.659454	-1.41113	-4.24123	0.00285	0.83667	DOWN	431.2653	431.2649	431.2655	8.768417	8.667783
26	M557T9_6	2.409452	-1.2687	-4.18704	0.003051	0.838433	DOWN	557.3	557.2986	557.3041	9.237883	9.1158
27	M476T9_1	6.527042	-2.70643	-5.28271	0.003297	0.840305	DOWN	476.2647	476.2614	476.2728	9.17485	9.040017
28	M662T11_	2.126045	-1.08817	-5.085	0.003305	0.840361	DOWN	662.3608	662.3603	662.3616	11.35423	11.32332
29	M640T24	36.39035	5.185484	6.23912	0.003357	0.840725	UP	640.3262	640.3259	640.3263	24.146	24.14133
30	M331T9_1	1.439824	-0.52589	-4.21247	0.003459	0.841395	DOWN	331.4225	331.4223	331.4231	9.389617	9.30965
31	M615T9_2	1.592833	-0.6716	-4.02767	0.003851	0.843671	DOWN	614.9189	614.9185	614.9192	9.278717	9.219483
32	M329T21_	1.678586	-0.74725	-4.89493	0.00389	0.843871	DOWN	329.0052	329.0048	329.0053	21.48883	21.4795
33	M730T10_	1.500855	-0.58578	-5.2789	0.004085	0.84482	DOWN	729.9357	729.9346	729.9409	10.1108	10.04355
34	M1493T10	2.423829	-1.27729	-3.99731	0.0041	0.844889	DOWN	1493.272	1493.265	1493.272	9.921708	9.806367

35	M271T10_	1.199399	0.262311	4.142538	0.004109	0.84493	UP	270.7402	270.74	270.7406	9.816183	9.728083
36	M656T21_	25.63287	4.679923	5.881658	0.004172	0.845215	UP	656.3213	656.3213	656.3215	21.49333	21.4795
37	M657T21_	5.319157	2.411198	5.828389	0.004284	0.845703	UP	657.3248	657.3245	657.3251	20.76567	20.76367
38	M443T11_	1.974336	-0.98137	-3.96044	0.00437	0.846061	DOWN	442.6446	442.6406	442.6455	10.95022	10.90197
39	M475T9_1	2.98613	-1.57828	-5.11266	0.004516	0.846637	DOWN	475.3848	475.384	475.3878	9.17485	9.118517
40	M332T9_5	1.46039	-0.54635	-3.92153	0.004577	0.846865	DOWN	332.0494	332.0493	332.0502	9.398375	9.30965
41	M717T23	3.925304	1.972804	5.32585	0.00465	0.847132	UP	717.3011	717.3006	717.3019	23.24	23.1905
42	M672T12	2.88611	-1.52913	-4.11864	0.004655	0.847154	DOWN	672.3444	672.3436	672.3455	11.62467	11.61205
43	M888T10_	2.221734	-1.15169	-3.90164	0.004734	0.847433	DOWN	887.844	887.8431	887.845	9.531617	9.494117
44	M290T9_2	1.633161	-0.70767	-4.09532	0.004957	0.848173	DOWN	289.6459	289.6451	289.6471	9.295167	9.264333
45	M627T21	2.844348	1.508098	5.513735	0.005198	0.848905	UP	627.3141	627.314	627.3141	21.4485	21.43683
46	M559T20	1.657645	-0.72914	-3.82344	0.005276	0.849128	DOWN	559.4064	559.4058	559.4068	19.9835	19.96983
47	M657T22	3.699254	1.887234	5.48347	0.00528	0.849141	UP	657.3246	657.3245	657.3246	21.833	21.823
48	M302T10_	1.935704	-0.95286	-3.86305	0.005568	0.849908	DOWN	302.1161	302.116	302.1233	9.830083	9.715683
49	M638T22	10.3183	3.367134	5.400264	0.005686	0.850201	UP	638.3107	638.3106	638.3108	21.68867	21.66567
50	M411T9_8	3.561589	-1.83252	-4.1383	0.005806	0.850488	DOWN	411.3577	411.3567	411.3693	9.133667	9.102033
51	M349T9_1	1.542577	-0.62534	-3.7229	0.00589	0.850679	DOWN	349.3433	349.3431	349.3442	9.2817	9.219483
52	M346T27	2.024079	1.017266	3.72246	0.006027	0.850984	UP	346.2949	346.2943	346.2951	26.943	26.89683
53	M489T10_	2.6563	-1.40942	-3.75335	0.006293	0.851536	DOWN	489.1511	489.1502	489.1512	9.729367	9.636483
54	M502T9_2	2.155448	-1.10799	-3.69324	0.006304	0.851557	DOWN	501.5731	501.571	501.5744	8.867492	8.8398
55	M578T10_	1.810262	-0.8562	-3.65034	0.006874	0.852596	DOWN	577.8687	577.8685	577.8692	10.19333	10.12287
56	M570T11_	1.822383	-0.86583	-3.7545	0.006955	0.85273	DOWN	570.0751	570.0746	570.0754	10.53962	10.4882
57	M341T10_	2.809178	1.490148	3.602224	0.006961	0.852739	UP	341.2068	341.206	341.2073	10.3131	10.27972
58	M333T9_1	1.344645	-0.42723	-3.58852	0.007102	0.852964	DOWN	332.8711	332.869	332.8731	9.352117	9.110833
59	M349T9_5	1.441827	-0.5279	-3.7391	0.007281	0.853239	DOWN	348.667	348.6666	348.6676	9.289925	9.219483
60	M498T33	1.61284	-0.6896	-4.08365	0.007472	0.853517	DOWN	498.3996	498.3991	498.4003	33.18183	33.16717
61	M353T10_	1.793575	-0.84284	-3.71543	0.007904	0.854096	DOWN	352.8726	352.8724	352.8728	9.816183	9.728083
62	M653T9_3	2.12528	-1.08765	-3.62467	0.007936	0.854137	DOWN	653.4144	653.4138	653.4149	9.404208	9.333267
63	M201T9_1	2.467573	-1.30309	-3.88019	0.008418	0.854709	DOWN	200.9163	200.9155	200.9212	9.29015	9.1602
64	M340T10_	1.983426	-0.98799	-3.66865	0.008529	0.854832	DOWN	340.2425	340.2341	340.2482	10.37058	10.14385
65	M213T9_1	2.705604	1.435951	3.78398	0.008793	0.855112	UP	213.4401	213.4385	213.4444	9.370583	9.1503
66	M454T9_1	3.232128	-1.69248	-3.84491	0.009051	0.855369	DOWN	454.0587	454.0577	454.0597	9.197983	9.1011
67	M658T9_1	1.961032	-0.97161	-3.55832	0.009155	0.855469	DOWN	657.7366	657.7358	657.737	9.451883	9.38595
68	M276T9_4	2.483709	-1.3125	-3.44024	0.009388	0.855684	DOWN	276.3605	276.3593	276.361	9.329083	9.1322
69	M624T18_	4.434604	2.148805	4.60311	0.009574	0.85585	UP	624.2949	624.2949	624.2956	17.59258	17.58367

70	M205T9_4	2.570395	-1.36199	-4.3109	0.009605	0.855876	DOWN	205.097	205.0969	205.0971	8.764808	8.667783
71	M458T9_6	1.421168	0.507077	3.921897	0.009622	0.855891	UP	458.0942	458.0902	458.0947	9.443225	9.2529
72	M295T9_7	3.549666	-1.82768	-3.46866	0.009775	0.85602	DOWN	295.1629	295.1628	295.1643	8.93705	8.914933
73	M599T10_	2.216142	-1.14805	-3.55355	0.009981	0.856188	DOWN	599.3804	599.3799	599.3811	10.24737	10.18238
74	M815T10_	1.512084	-0.59654	-3.73382	0.01008	0.856266	DOWN	814.8383	814.8375	814.8389	9.626517	9.510117
75	M435T9_1	5.416074	-2.43725	-4.39871	0.010095	0.856279	DOWN	435.3488	435.3446	435.3522	9.2879	9.061
76	M627T9_2	1.826517	-0.8691	-3.36552	0.010116	0.856295	DOWN	627.3776	627.3765	627.3823	9.440083	9.219483
77	M337T9_1	1.595763	-0.67425	-3.38245	0.010137	0.856311	DOWN	337.2312	337.231	337.2313	9.275217	9.146383
78	M780T10_	1.924414	-0.94442	-4.21348	0.010157	0.856327	DOWN	779.7919	779.7914	779.7919	9.994767	9.916767
79	M520T10_	1.810136	-0.8561	-3.67589	0.010571	0.856634	DOWN	519.9811	519.9805	519.9815	10.45352	10.37598
80	M651T12	2.046536	-1.03318	-3.39381	0.010656	0.856695	DOWN	651.4687	651.4654	651.4706	11.52629	11.46135
81	M785T10_	1.496639	-0.58173	-3.33423	0.010735	0.856749	DOWN	785.494	785.4934	785.4946	9.646267	9.541483
82	M192T11	1.630388	-0.70522	-3.56856	0.010785	0.856784	DOWN	192.138	192.1378	192.1382	10.91495	10.87708
83	M310T11_	2.182052	1.125685	3.443944	0.010802	0.856795	UP	310.211	310.2105	310.2112	10.8937	10.82972
84	M331T25	2.092711	1.065373	3.548753	0.0109	0.856862	UP	331.2304	331.2302	331.2309	25.17417	25.14117
85	M566T11_	1.859621	0.895009	3.292192	0.011023	0.856943	UP	565.6585	565.6583	565.659	10.69101	10.63083
86	M202T9_4	2.272124	-1.18404	-3.29952	0.011047	0.856959	DOWN	201.59	201.589	201.5912	9.3919	9.264333
87	M197T10_	1.645096	-0.71817	-3.32417	0.011086	0.856985	DOWN	197.4802	197.4733	197.4804	9.8374	9.65225
88	M195T9_2	2.875978	-1.52405	-3.40041	0.011112	0.857002	DOWN	194.596	194.5936	194.5967	9.266408	9.146383
89	M1033T10	1.634906	-0.70921	-3.28601	0.011169	0.857039	DOWN	1033.027	1033.025	1033.03	9.976075	9.869467
90	M656T9	1.512967	-0.59738	-3.31405	0.011244	0.857086	DOWN	655.6204	655.6202	655.6208	9.390783	9.30965
91	M724T10_	1.750509	0.807775	3.322148	0.011676	0.857349	UP	724.105	724.1043	724.1059	9.879483	9.6681
92	M436T9_1	1.497321	-0.58238	-3.33999	0.012023	0.857546	DOWN	436.3366	436.3365	436.3368	9.281325	9.160617
93	M652T9_3	1.417053	-0.50289	-3.45749	0.012195	0.85764	DOWN	652.4107	652.4104	652.4109	9.408458	9.324917
94	M674T11	1.682043	-0.75021	-3.22313	0.012214	0.85765	DOWN	674.3593	674.359	674.3604	10.99152	10.9744
95	M624T18_	5.414449	2.436814	4.311774	0.012217	0.857652	UP	624.295	624.2945	624.2952	18.438	18.43767
96	M284T10_	1.948169	-0.96212	-3.21131	0.0124	0.857749	DOWN	283.7355	283.7349	283.7357	10.14385	10.05935
97	M632T11_	1.8811	-0.91158	-3.24914	0.01251	0.857805	DOWN	632.3493	632.349	632.3504	10.73328	10.69717
98	M162T10_	1.937378	-0.95411	-3.41434	0.012717	0.857909	DOWN	162.3331	162.333	162.3332	9.914217	9.811217
99	M543T9_2	1.656237	-0.72791	-3.3984	0.012726	0.857914	DOWN	543.2384	543.2377	543.2391	9.314817	9.205717
100	M459T13	1.550411	-0.63265	-3.29326	0.012767	0.857934	DOWN	458.6287	458.6285	458.629	13.23031	13.21485
101	M200T9_2	3.463059	-1.79205	-3.89947	0.012816	0.857958	DOWN	200.4267	200.4266	200.4274	9.295167	9.089733
102	M337T9_1	2.33096	-1.22092	-3.27358	0.013124	0.858104	DOWN	337.3235	337.3146	337.3237	9.365833	9.1428
103	M267T9_4	2.262018	-1.17761	-3.62946	0.013162	0.858122	DOWN	267.4392	267.4377	267.4396	9.350125	9.275917
104	M439T19	1.511838	-0.5963	-3.32677	0.013399	0.858229	DOWN	438.7862	438.786	438.7868	19.067	19.05283

105	M265T11_	2.02961	-1.0212	-3.1826	0.013443	0.858249	DOWN	265.0268	265.0268	265.0271	10.89125	10.879
106	M1538T10	2.20081	-1.13803	-3.67862	0.013483	0.858267	DOWN	1537.633	1537.631	1537.635	9.929783	9.8378
107	M780T10_	1.465561	-0.55145	-3.72488	0.01356	0.858301	DOWN	780.4589	780.4576	780.4595	9.550533	9.432183
108	M299T40_	1.737789	-0.79725	-3.21804	0.013563	0.858302	DOWN	299.1487	299.1486	299.1489	39.60417	39.46017
109	M371T30	3.302566	-1.72359	-4.10135	0.013808	0.858406	DOWN	371.2271	371.2261	371.2281	30.30375	30.26683
110	M454T10_	3.287479	-1.71698	-3.41357	0.013859	0.858428	DOWN	453.8647	453.8591	453.865	9.636483	9.610767
111	M1153T12	1.749392	-0.80685	-3.39288	0.014002	0.858487	DOWN	1153.102	1153.101	1153.103	12.2226	12.17807
112	M894T10_	1.949084	-0.9628	-3.13363	0.014026	0.858496	DOWN	894.4214	894.42	894.4218	9.6432	9.556217
113	M688T13	2.051985	-1.03702	-3.66266	0.014027	0.858497	DOWN	688.3752	688.3739	688.3758	13.28093	13.05417
114	M376T42_	2.688788	-1.42696	-4.11632	0.014075	0.858517	DOWN	376.1965	376.1964	376.1966	42.03542	41.99217
115	M1235T10	1.475266	-0.56097	-3.29452	0.014158	0.85855	DOWN	1234.586	1234.585	1234.587	9.624117	9.52595
116	M313T41	1.248067	-0.3197	-3.85721	0.014339	0.858621	DOWN	313.2006	313.2005	313.2009	41.12917	40.91333
117	M399T43_	1.49802	-0.58306	-3.20874	0.01497	0.858857	DOWN	399.2373	399.2372	399.2375	42.57467	42.3085
118	M621T9_3	1.872917	-0.90529	-3.18778	0.014976	0.858859	DOWN	621.2348	621.2272	621.2351	9.1036	9.0864
119	M220T9_1	8.360302	-3.06356	-4.02401	0.014982	0.858861	DOWN	220.1912	220.1862	220.1927	9.311525	9.146383
120	M376T45	2.742137	-1.4553	-4.04219	0.015062	0.858889	DOWN	376.1964	376.1963	376.1966	44.8685	44.696
121	M376T40	2.825987	-1.49876	-4.078	0.015068	0.858892	DOWN	376.1966	376.1964	376.1967	40.194	39.90633
122	M283T9_3	3.03451	-1.60146	-3.62186	0.015114	0.858908	DOWN	283.2491	283.2489	283.2492	9.299525	9.24215
123	M454T45	1.543281	-0.626	-3.10322	0.015144	0.858918	DOWN	454.2643	454.2642	454.2646	44.74625	44.14967
124	M184T9_7	2.268932	-1.18201	-3.15321	0.015438	0.859019	DOWN	183.9652	183.965	183.9664	9.3494	9.132267
125	M993T9	2.473341	-1.30646	-3.08582	0.015438	0.859019	DOWN	993.3064	993.3053	993.307	8.743925	8.701267
126	M392T9_2	2.210969	-1.14468	-3.31767	0.015445	0.859022	DOWN	391.8279	391.8267	391.8301	9.235933	9.158833
127	M414T12	1.752236	-0.8092	-3.20106	0.015657	0.859092	DOWN	414.1181	414.1178	414.1186	12.48495	12.44168
128	M1063T10	2.09737	-1.06858	-3.21088	0.015788	0.859135	DOWN	1062.629	1062.628	1062.63	9.600067	9.556217
129	M194T9_6	12.72427	-3.66951	-3.95518	0.016086	0.859229	DOWN	193.7918	193.7915	193.7925	9.311883	9.132267
130	M740T10_	1.457554	-0.54355	-3.06612	0.016168	0.859254	DOWN	740.4638	740.4634	740.4645	9.573233	9.46325
131	M214T25_	1.289079	0.36634	3.630449	0.016359	0.859312	UP	214.1797	214.1797	214.18	24.56575	24.55033
132	M739T9_1	2.678234	-1.42128	-3.15058	0.016406	0.859326	DOWN	738.6561	738.6557	738.6569	9.457083	9.38595
133	M376T43_	2.764538	-1.46704	-3.90868	0.016685	0.859408	DOWN	376.1965	376.1963	376.1967	42.56775	42.323
134	M809T12	1.608757	-0.68595	-3.02033	0.01682	0.859446	DOWN	809.3424	809.3421	809.343	11.58453	11.5697
135	M287T41_	1.446703	-0.53277	-3.03994	0.017114	0.859528	DOWN	287.1486	287.1485	287.1488	40.5825	40.42417
136	M279T11	2.788365	-1.47942	-2.99332	0.017249	0.859565	DOWN	279.2735	279.2728	279.2738	10.87761	10.80695
137	M659T10_	1.147598	-0.19862	-3.21476	0.017292	0.859577	DOWN	658.6337	658.6332	658.6353	9.843017	9.73145
138	M1168T11	1.767867	-0.82201	-2.99439	0.017292	0.859577	DOWN	1167.578	1167.578	1167.579	11.23303	11.19848
139	M351T10_	2.353621	-1.23488	-3.11565	0.017342	0.85959	DOWN	351.3962	351.396	351.4031	9.856867	9.758367

140	M1152T11	1.589578	-0.66864	-2.98043	0.01759	0.859655	DOWN	1152.21	1152.206	1152.212	10.92253	10.85018
141	M450T43_	1.729847	-0.79064	-3.11732	0.017632	0.859666	DOWN	450.2331	450.2328	450.2332	43.445	43.33
142	M1164T12	1.881084	-0.91156	-3.58276	0.017766	0.8597	DOWN	1163.593	1163.591	1163.593	12.20889	12.19282
143	M423T11_	2.329528	1.220038	2.991327	0.018064	0.859775	UP	423.4856	423.483	423.4902	10.9433	10.90197
144	M641T24	2.668045	1.415783	3.836552	0.018173	0.859802	UP	641.3293	641.3292	641.3298	24.14833	24.14133
145	M271T9_4	1.781589	-0.83316	-3.1625	0.018442	0.859866	DOWN	270.8521	270.8516	270.8522	8.798117	8.715883
146	M620T11_	1.818177	-0.86249	-3.47122	0.018637	0.859912	DOWN	620.2611	620.2607	620.2618	10.7046	10.69123
147	M741T10_	1.502872	-0.58772	-3.12126	0.018668	0.859919	DOWN	741.4672	741.4668	741.4676	9.573233	9.46325
148	M918T11	1.855401	-0.89173	-2.96849	0.018752	0.859938	DOWN	917.5357	917.5347	917.5362	10.58441	10.5663
149	M653T10_	1.521378	-0.60538	-2.9391	0.018813	0.859952	DOWN	653.4062	653.4054	653.4067	9.818525	9.715683
150	M632T10_	2.020762	-1.0149	-3.17197	0.018893	0.85997	DOWN	632.3693	632.3684	632.3701	9.840617	9.758367
151	M635T12_	1.571777	-0.6524	-2.96461	0.018912	0.859975	DOWN	635.2889	635.2885	635.2896	11.59875	11.58453
152	M699T11_	1.908762	-0.93264	-3.02402	0.018919	0.859976	DOWN	698.5431	698.5421	698.5432	10.89815	10.89125
153	M299T42_	1.583824	-0.66341	-2.92161	0.019262	0.860052	DOWN	299.185	299.1849	299.1852	41.54617	41.316
154	M365T9_7	2.210613	-1.14445	-2.91252	0.019577	0.860119	DOWN	364.8476	364.8464	364.8496	9.311883	9.0511
155	M354T11_	1.361598	-0.4453	-2.908	0.01965	0.860134	DOWN	354.2749	354.2746	354.2752	10.6156	10.57532
156	M868T10_	1.744705	-0.80298	-3.14651	0.019774	0.86016	DOWN	868.3689	868.3684	868.3692	9.6129	9.49445
157	M404T41_	1.667322	-0.73753	-3.08937	0.019849	0.860175	DOWN	404.2639	404.2637	404.2642	40.66858	40.5825
158	M659T9_3	1.469286	-0.55511	-2.9039	0.019894	0.860184	DOWN	659.1185	659.1181	659.1187	9.398375	9.324917
159	M797T9_2	2.635211	-1.39792	-3.03372	0.019997	0.860205	DOWN	796.9115	796.911	796.9133	8.6816	8.6152
160	M474T10_	1.459904	-0.54587	-3.18343	0.020163	0.860238	DOWN	474.3029	474.3025	474.3031	10.27172	10.21837
161	M430T17	1.669498	-0.73941	-3.37884	0.020163	0.860238	DOWN	430.2943	430.2941	430.2954	17.2925	17.24883
162	M455T9_9	3.180012	-1.66903	-3.56196	0.020211	0.860248	DOWN	455.0284	455.027	455.0327	9.2468	9.2033
163	M361T10_	1.654474	-0.72637	-2.88461	0.020376	0.86028	DOWN	360.8071	360.8067	360.8077	9.918833	9.822117
164	M475T9_1	3.724985	1.897234	2.904209	0.020393	0.860283	UP	475.4175	475.4079	475.4192	9.254092	9.092333
165	M311T22	1.508767	-0.59337	-2.89478	0.020412	0.860287	DOWN	311.185	311.1849	311.1852	22.377	22.35067
166	M213T9_5	12.60286	-3.65568	-3.49029	0.020426	0.86029	DOWN	212.7741	212.7721	212.782	9.250817	9.160467
167	M358T10_	1.305425	-0.38452	-2.88266	0.020451	0.860294	DOWN	357.7159	357.7158	357.7161	9.566317	9.447617
168	M696T9_4	1.477144	-0.56281	-3.01922	0.020666	0.860335	DOWN	696.4371	696.4368	696.4384	9.498117	9.40135
169	M648T9_1	2.317914	-1.21283	-3.15122	0.020939	0.860386	DOWN	647.8701	647.8696	647.8706	9.06315	9.032567
170	M594T9_2	1.60216	-0.68002	-2.95383	0.020966	0.860391	DOWN	594.2459	594.2442	594.2464	8.996883	8.94625
171	M457T9_5	4.168478	-2.05952	-2.92413	0.020969	0.860392	DOWN	457.1127	457.1124	457.1129	9.20405	9.129317
172	M376T44_	2.557784	-1.35489	-3.52342	0.021054	0.860407	DOWN	376.1965	376.1964	376.1966	44.10633	44.07783
173	M626T20	12.66581	3.662868	3.682077	0.021155	0.860425	UP	626.3105	626.3105	626.3108	19.809	19.78
174	M724T10_	1.528375	-0.612	-2.8859	0.021599	0.860504	DOWN	724.4512	724.4509	724.4519	10.32319	10.23087

175	M389T10_	1.325996	-0.40708	-2.84948	0.021612	0.860506	DOWN	388.5895	388.5848	388.5899	9.92825	9.827283
176	M193T10_	1.970417	-0.9785	-2.84427	0.02176	0.860531	DOWN	192.9918	192.9916	192.9919	9.9351	9.8378
177	M200T9_1	2.330288	-1.22051	-2.92012	0.021803	0.860538	DOWN	200.1533	200.1525	200.1546	9.280767	9.219483
178	M376T44_	2.423044	-1.27682	-3.62002	0.022059	0.860581	DOWN	376.1964	376.1964	376.1967	43.61783	43.4595
179	M1743T10	1.632574	-0.70715	-3.10135	0.022164	0.860599	DOWN	1742.714	1742.712	1742.725	9.823575	9.759383
180	M207T9_7	7.000766	-2.80751	-3.11617	0.022234	0.86061	DOWN	206.8114	206.811	206.8126	9.311883	9.133667
181	M418T9_6	2.454413	-1.29538	-2.91101	0.022256	0.860614	DOWN	418.0563	418.055	418.0578	9.348558	9.146383
182	M435T9_1	8.588461	-3.1024	-3.52557	0.022488	0.860651	DOWN	435.2817	435.2815	435.282	8.806967	8.697767
183	M490T44_	1.545424	-0.628	-2.82167	0.022678	0.860681	DOWN	490.2643	490.264	490.2646	43.82358	43.589
184	M288T10_	1.295723	-0.37376	-3.01566	0.022739	0.86069	DOWN	287.9915	287.9909	287.995	9.972483	9.8753
185	M488T44_	1.804387	-0.85151	-3.06952	0.022779	0.860697	DOWN	488.285	488.2848	488.2851	43.91367	43.6895
186	M319T9_2	2.793823	-1.48224	-2.84054	0.022956	0.860724	DOWN	319.0159	319.0156	319.016	9.469225	9.401917
187	M212T10_	1.347	-0.42975	-2.80143	0.023169	0.860756	DOWN	211.7135	211.7135	211.7136	9.801983	9.715683
188	M443T11_	2.288399	-1.19434	-3.08845	0.023216	0.860763	DOWN	442.6555	442.6554	442.6565	10.94603	10.88995
189	M475T9_8	2.781491	-1.47586	-3.46446	0.023279	0.860773	DOWN	475.0587	475.0587	475.059	9.146383	9.13445
190	M187T9_5	2.458677	-1.29788	-2.79422	0.023418	0.860793	DOWN	187.4261	187.4252	187.4279	9.311883	9.132267
191	M804T10_	1.557966	-0.63966	-2.93809	0.023448	0.860798	DOWN	803.8475	803.8471	803.8478	9.633442	9.510117
192	M1674T10	1.461652	-0.5476	-2.89151	0.023839	0.860854	DOWN	1673.953	1673.951	1673.955	9.821308	9.715683
193	M257T10_	1.579481	-0.65945	-2.78115	0.02391	0.860864	DOWN	256.7561	256.7522	256.7562	9.766742	9.65225
194	M352T10_	2.245969	-1.16734	-2.98288	0.024112	0.860892	DOWN	352.1078	352.1078	352.1081	9.743767	9.636483
195	M446T40_	1.38473	-0.46961	-2.82251	0.024196	0.860904	DOWN	446.2383	446.2381	446.2384	40.381	40.20833
196	M239T26	1.268704	-0.34336	-2.77538	0.024706	0.860972	DOWN	239.1276	239.1275	239.1277	25.99525	25.96667
197	M1169T11	1.808326	-0.85465	-2.75782	0.024784	0.860983	DOWN	1168.582	1168.58	1168.582	11.22427	11.19848
198	M159T9	2.182475	-1.12597	-2.91201	0.024858	0.860992	DOWN	159.4663	159.4659	159.4664	9.352683	9.26575
199	M749T9	2.188975	-1.13026	-2.75787	0.024944	0.861004	DOWN	749.3951	749.3941	749.3971	9.3219	9.1158
200	M203T9_2	1.878918	-0.9099	-3.19429	0.025044	0.861016	DOWN	202.9713	202.971	202.9714	9.261975	9.219483
201	M642T18_	3.086314	1.625885	3.454671	0.02535	0.861055	UP	642.3057	642.3055	642.3058	17.58367	17.5555
202	M327T22	1.267247	-0.3417	-2.75022	0.025417	0.861064	DOWN	327.0079	327.0078	327.0082	21.51583	21.47983
203	M879T10_	1.50178	-0.58667	-2.92951	0.025499	0.861074	DOWN	879.3596	879.3591	879.36	9.6129	9.49445
204	M304T11_	2.166023	1.115049	2.740906	0.025514	0.861076	UP	303.8254	303.8249	303.8255	10.89125	10.879
205	M349T9_6	1.777993	-0.83025	-2.8333	0.025571	0.861083	DOWN	348.6921	348.6905	348.6966	9.158767	9.11405
206	M478T9_3	1.853237	0.890047	2.957284	0.025739	0.861103	UP	478.1813	478.1793	478.1827	9.365833	9.232283
207	M371T2	1.959841	-0.97074	-3.32423	0.025836	0.861115	DOWN	371.1009	371.1008	371.1009	2.458783	2.31565
208	M300T10_	1.537663	-0.62074	-2.92986	0.0259	0.861123	DOWN	300.4916	300.4914	300.4917	9.916617	9.822117
209	M206T11_	1.411383	-0.49711	-2.75246	0.025996	0.861134	DOWN	206.0567	206.0562	206.0569	10.92158	10.879

210	M454T9_2	2.487846	-1.3149	-3.14889	0.026084	0.861145	DOWN	454.4971	454.4932	454.4975	9.307417	9.132033
211	M966T11_	2.370736	1.245335	2.887887	0.026092	0.861146	UP	965.7468	965.7449	965.7494	10.89125	10.85018
212	M396T18	3.725704	1.897513	3.247705	0.026099	0.861146	UP	396.2455	396.2449	396.2463	18.29492	18.239
213	M967T10	2.35596	-1.23631	-2.93606	0.026619	0.861207	DOWN	966.5548	966.5533	966.5565	9.955008	9.822117
214	M588T10_	1.609416	-0.68654	-2.74314	0.026657	0.861211	DOWN	588.4222	588.4213	588.4229	9.980983	9.916767
215	M229T9_6	1.474477	-0.5602	-2.79319	0.026679	0.861214	DOWN	228.9102	228.9083	228.9108	9.311883	9.1322
216	M432T9_7	1.676586	-0.74553	-2.70595	0.026845	0.861232	DOWN	432.1839	432.1829	432.1862	9.250817	9.146383
217	M500T10_	1.893468	-0.92103	-2.9079	0.027306	0.861283	DOWN	499.962	499.9615	499.9625	10.13345	10.02755
218	M1627T9	1.949405	-0.96303	-2.7368	0.027513	0.861305	DOWN	1627.417	1627.415	1627.423	9.311883	9.160467
219	M805T10_	1.889952	-0.91835	-3.01909	0.027552	0.861309	DOWN	804.8506	804.85	804.8513	9.635933	9.52515
220	M359T11_	1.486448	-0.57187	-2.73613	0.027659	0.861321	DOWN	359.3603	359.3568	359.3609	10.90669	10.80695
221	M324T10_	1.498754	-0.58376	-2.98403	0.027681	0.861323	DOWN	324.4312	324.4293	324.4317	9.75165	9.634283
222	M214T10_	1.576379	-0.65661	-2.7023	0.027742	0.861329	DOWN	213.5311	213.5233	213.5323	9.802117	9.7124
223	M484T30	2.016484	-1.01184	-3.33236	0.027756	0.861331	DOWN	484.3412	484.3409	484.3484	30.3535	30.27883
224	M235T9_6	1.480134	-0.56573	-2.78655	0.027819	0.861337	DOWN	234.8913	234.8911	234.8914	9.296133	9.11795
225	M866T11	2.088442	-1.06243	-2.96675	0.028021	0.861358	DOWN	866.0167	866.0144	866.0177	11.21864	11.1927
226	M201T10_	1.860528	-0.89571	-2.90427	0.02815	0.861372	DOWN	201.1797	201.1795	201.1797	9.828367	9.699733
227	M614T11_	1.670508	-0.74029	-2.67261	0.028291	0.861386	DOWN	614.3023	614.2997	614.3026	10.69717	10.50338
228	M410T9_3	1.695325	-0.76156	-2.70305	0.028319	0.861389	DOWN	409.6906	409.6836	409.691	9.234417	9.1503
229	M665T16	1.873724	-0.90591	-2.82829	0.028385	0.861395	DOWN	664.537	664.5356	664.5378	15.69602	15.66225
230	M230T14_	1.424547	-0.5105	-2.88407	0.028389	0.861396	DOWN	230.1899	230.1897	230.1902	14.39193	14.38493
231	M315T9_3	1.765263	-0.81988	-2.81349	0.028464	0.861403	DOWN	314.8198	314.8197	314.8202	9.259867	9.146383
232	M426T27_	1.541956	-0.62476	-2.67284	0.02871	0.861427	DOWN	426.2984	426.2981	426.2987	27.01592	26.99833
233	M645T9_5	2.81423	-1.49274	-2.97767	0.028745	0.861431	DOWN	645.381	645.3732	645.384	9.1503	9.1158
234	M1777T10	1.515868	-0.60014	-2.6663	0.028851	0.861441	DOWN	1777.139	1777.136	1777.142	9.811408	9.715683
235	M609T10_	2.271129	1.18341	2.859354	0.029294	0.861483	UP	609.4862	609.485	609.4864	9.964417	9.859233
236	M237T10_	1.843842	0.882715	2.723483	0.029302	0.861484	UP	237.157	237.1567	237.1624	9.615058	9.52515
237	M864T10_	1.885555	-0.91499	-2.67367	0.029342	0.861488	DOWN	864.1631	864.1619	864.1641	9.979667	9.932567
238	M219T9_1	2.227023	1.155117	3.157545	0.029358	0.861489	UP	219.4693	219.4676	219.4715	9.365925	9.103733
239	M263T10_	1.349691	-0.43263	-2.64787	0.029361	0.86149	DOWN	262.7053	262.7051	262.7056	9.914217	9.636483
240	M673T10_	1.456692	-0.5427	-2.73861	0.029404	0.861494	DOWN	673.4519	673.4516	673.4531	10.38893	10.34542
241	M554T10_	1.826646	-0.8692	-2.81205	0.029531	0.861506	DOWN	553.8298	553.8295	553.8301	9.6628	9.571683
242	M482T10_	1.624598	-0.70008	-2.7941	0.029566	0.861509	DOWN	482.1945	482.194	482.1955	9.896133	9.886433
243	M295T26	1.423921	-0.50987	-3.11351	0.029688	0.86152	DOWN	295.1902	295.19	295.1904	26.00242	25.96667
244	M508T39_	1.831557	-0.87307	-2.99227	0.029713	0.861522	DOWN	508.311	508.3106	508.3114	38.856	38.83017

245	M357T10_	2.355725	-1.23617	-3.0749	0.029824	0.861532	DOWN	356.7734	356.7732	356.7742	9.758367	9.728817
246	M349T9_1	4.415264	-2.1425	-3.01092	0.029831	0.861533	DOWN	348.5533	348.5519	348.5568	9.27255	9.1178
247	M503T9_1	2.181434	-1.12528	-2.65446	0.029947	0.861543	DOWN	503.4389	503.4384	503.4416	9.273908	9.129317
248	M474T10_	1.744881	0.803128	2.731612	0.029948	0.861544	UP	473.9232	473.9165	473.9234	9.547133	9.509533
249	M285T14	3.897726	-1.96263	-3.20535	0.03018	0.861564	DOWN	284.9604	284.9598	284.9608	13.71163	13.69737
250	M288T23_	1.977339	-0.98356	-2.82267	0.030256	0.861571	DOWN	288.3624	288.3567	288.3626	22.91467	22.90033
251	M402T11_	4.140095	2.049664	2.947686	0.03036	0.86158	UP	402.2898	402.2861	402.2909	10.89497	10.873
252	M643T9_1	1.8418	-0.88112	-2.95913	0.030451	0.861588	DOWN	642.7544	642.7541	642.755	9.271592	9.20785
253	M1278T45	1.335087	0.416934	3.209776	0.030485	0.861591	UP	1277.854	1277.853	1277.856	44.8685	44.854
254	M188T9_6	2.186703	-1.12876	-2.68825	0.030613	0.861602	DOWN	187.9414	187.9406	187.9423	9.342692	9.1587
255	M546T9_4	2.488478	-1.31526	-2.73705	0.03066	0.861606	DOWN	546.4502	546.4417	546.4514	9.367183	9.174967
256	M376T41_	2.637423	-1.39913	-3.26518	0.030678	0.861608	DOWN	376.1965	376.1963	376.1968	40.85575	40.64017
257	M537T11_	1.363545	-0.44736	-2.61839	0.030829	0.861621	DOWN	536.6633	536.6627	536.6636	10.57468	10.5518
258	M274T9_4	1.826844	-0.86935	-2.63229	0.030879	0.861625	DOWN	274.0601	274.0599	274.0602	8.818558	8.772383
259	M604T25	2.127556	-1.0892	-3.21634	0.030948	0.861631	DOWN	604.4398	604.4397	604.44	24.92633	24.89917
260	M1233T10	1.37021	-0.4544	-2.78569	0.030963	0.861632	DOWN	1232.58	1232.58	1232.581	9.637333	9.52595
261	M1032T12	1.945953	-0.96048	-2.68827	0.031005	0.861635	DOWN	1032.042	1032.041	1032.046	11.6196	11.51078
262	M703T10_	1.787109	-0.83763	-2.86465	0.031008	0.861636	DOWN	703.4065	703.3989	703.4073	9.811408	9.416817
263	M289T10_	1.482204	-0.56774	-2.65216	0.031036	0.861638	DOWN	288.8068	288.8065	288.8077	9.960467	9.853533
264	M454T9_1	2.351148	1.233365	3.118642	0.031072	0.861641	UP	454.3981	454.3889	454.3981	9.36515	9.1445
265	M406T42	1.747671	0.805434	2.734875	0.03111	0.861644	UP	406.2069	406.2068	406.2072	41.7405	41.44583
266	M498T10_	1.715035	-0.77824	-2.7145	0.031226	0.861654	DOWN	497.9783	497.9776	497.9785	10.3736	10.3391
267	M434T9_1	1.382296	-0.46707	-2.63933	0.031486	0.861675	DOWN	434.0325	434.032	434.0332	8.992917	8.90715
268	M261T9_1	1.551484	-0.63365	-2.65247	0.031637	0.861687	DOWN	260.5286	260.5206	260.5296	9.348817	9.26575
269	M350T9_6	1.975868	-0.98249	-2.65687	0.031909	0.861709	DOWN	349.9548	349.9544	349.9581	9.160617	9.09495
270	M404T9_4	1.708791	-0.77298	-2.68829	0.032013	0.861717	DOWN	404.0629	404.0622	404.0634	8.992917	8.878667
271	M1705T10	1.241963	-0.31262	-2.66354	0.032075	0.861722	DOWN	1705.176	1705.173	1705.178	9.816317	9.715683
272	M244T22_	1.675272	-0.7444	-2.63102	0.032246	0.861736	DOWN	244.1694	244.1692	244.1695	21.50933	21.49367
273	M348T10_	3.148303	1.654574	2.582425	0.032554	0.861759	UP	347.5612	347.561	347.5612	9.8322	9.7124
274	M870T10_	1.83518	-0.87592	-2.81549	0.032555	0.861759	DOWN	869.8723	869.8712	869.8741	9.597067	9.509533
275	M320T9_1	2.842985	-1.50741	-2.83573	0.032816	0.861779	DOWN	319.6538	319.6534	319.654	9.296458	9.24215
276	M341T10_	2.722623	-1.445	-2.8107	0.032925	0.861787	DOWN	340.9228	340.9225	340.9229	9.859983	9.758367
277	M447T11_	1.663619	-0.73432	-2.59311	0.032964	0.86179	DOWN	447.1691	447.1688	447.1696	11.23541	11.19848
278	M470T10_	1.958136	-0.96948	-2.83169	0.032965	0.86179	DOWN	470.2597	470.2592	470.2599	10.11445	10.04355
279	M871T10_	2.435709	-1.28434	-2.68446	0.032985	0.861792	DOWN	871.0683	871.0682	871.0698	9.948825	9.885167



280	M674T21	6.787381	2.762855	3.191029	0.033048	0.861796	UP	674.332	674.3316	674.3326	20.62117	20.60933
281	M582T9_2	2.201751	-1.13865	-2.70896	0.033121	0.861802	DOWN	582.1979	582.197	582.1979	9.250817	9.22495
282	M792T10_	1.700999	-0.76638	-2.65117	0.033131	0.861802	DOWN	791.5187	791.5177	791.5217	9.91765	9.79535
283	M174T9_1	2.016626	-1.01194	-2.59026	0.033189	0.861807	DOWN	173.842	173.8413	173.8422	9.26575	9.146383
284	M680T10_	1.94826	0.962186	2.581315	0.033305	0.861815	UP	679.9742	679.9683	679.9746	9.880683	9.8207
285	M382T9_9	1.632814	-0.70736	-2.57971	0.033352	0.861819	DOWN	382.0997	382.0993	382.1015	9.174883	9.145433
286	M341T11_	2.825867	-1.49869	-2.75759	0.033385	0.861821	DOWN	340.8399	340.8394	340.84	10.8926	10.87708
287	M666T30	3.217417	1.685903	3.086973	0.03353	0.861831	UP	666.4482	666.4477	666.4488	30.26633	30.25233
288	M309T9_3	2.430257	-1.28111	-2.65727	0.033582	0.861835	DOWN	309.4286	309.4256	309.4352	9.110833	8.974933
289	M288T9_2	2.117846	-1.0826	-2.65755	0.033801	0.861851	DOWN	287.7512	287.7498	287.752	9.339433	9.1322
290	M299T9_1	2.100853	-1.07098	-2.56295	0.033844	0.861854	DOWN	298.749	298.7482	298.7498	9.213392	9.126783
291	M1014T16	1.535198	-0.61843	-2.89635	0.03388	0.861856	DOWN	1014.445	1014.444	1014.446	15.515	15.49638
292	M579T9_6	1.71707	-0.77995	-2.83319	0.033934	0.86186	DOWN	579.0305	579.0289	579.0309	9.220817	9.158833
293	M693T10_	1.529059	-0.61264	-2.73872	0.034044	0.861868	DOWN	693.2948	693.2938	693.2951	9.605683	9.510117
294	M769T10_	1.430629	-0.51665	-2.55233	0.034138	0.861874	DOWN	769.4075	769.4049	769.4089	9.956417	9.90755
295	M266T24	2.695268	-1.43043	-3.12906	0.034161	0.861876	DOWN	266.1827	266.1826	266.1831	23.83125	23.79017
296	M469T9_4	3.293795	-1.71975	-3.03782	0.034165	0.861876	DOWN	469.0828	469.0807	469.0835	9.26005	9.1158
297	M1288T10	1.442003	-0.52807	-2.55631	0.03419	0.861878	DOWN	1287.715	1287.715	1287.717	9.9174	9.806367
298	M1733T10	1.871787	-0.90442	-2.65819	0.034264	0.861883	DOWN	1732.939	1732.937	1732.939	9.914217	9.8378
299	M425T13_	1.559841	-0.6414	-2.85334	0.034304	0.861886	DOWN	424.8503	424.8499	424.8513	13.33183	13.31728
300	M214T9_5	2.279529	-1.18874	-3.10052	0.034526	0.861901	DOWN	213.6931	213.6919	213.6934	9.2752	9.1322
301	M436T9_1	1.802134	-0.84971	-2.69072	0.034734	0.861915	DOWN	436.4198	436.4192	436.4201	9.349692	9.146383
302	M797T9_4	2.301609	-1.20264	-2.63893	0.034772	0.861917	DOWN	797.4135	797.4119	797.4145	8.74945	8.6152
303	M782T9	2.197876	-1.13611	-2.55881	0.034802	0.861919	DOWN	781.5766	781.576	781.5777	9.296458	9.219483
304	M415T20_	2.887648	-1.52989	-2.91365	0.034859	0.861923	DOWN	415.2582	415.2492	415.259	20.28767	20.25983
305	M694T10_	1.500459	-0.5854	-2.59973	0.035102	0.861939	DOWN	694.4943	694.494	694.4948	9.5502	9.4632
306	M689T10_	1.345085	-0.4277	-2.53129	0.035185	0.861945	DOWN	689.4404	689.4396	689.4417	9.823575	9.715683
307	M288T21_	2.901477	1.536788	2.803458	0.035213	0.861947	UP	288.3096	288.3074	288.311	21.385	21.34867
308	M264T11_	3.260108	-1.70492	-2.64301	0.035292	0.861952	DOWN	264.2888	264.2882	264.2891	10.8914	10.87765
309	M891T10_	1.772157	-0.82551	-2.55927	0.035294	0.861952	DOWN	891.3541	891.3533	891.3549	9.60105	9.509533
310	M209T42	1.586694	-0.66602	-2.73584	0.035534	0.861967	DOWN	209.1534	209.1532	209.1534	42.1505	41.93483
311	M333T9_2	1.248686	-0.32041	-2.67716	0.035627	0.861973	DOWN	333.2056	333.2053	333.2057	9.432583	9.324917
312	M163T14_	1.671392	-0.74105	-2.70453	0.035637	0.861974	DOWN	163.1115	163.1114	163.1115	14.2237	14.2082
313	M383T19	2.053547	1.038118	2.575161	0.035657	0.861975	UP	383.1748	383.1745	383.1749	19.32983	19.3025
314	M325T10_	1.479377	-0.56499	-2.85908	0.035698	0.861978	DOWN	324.7171	324.7167	324.7173	9.81635	9.715683

315	M869T10_	1.604144	-0.6818	-2.60337	0.035727	0.86198	DOWN	868.8702	868.8697	868.871	9.613367	9.49445
316	M433T9_1	1.720231	-0.7826	-2.51919	0.035888	0.86199	DOWN	432.5206	432.5195	432.5206	9.351892	9.191133
317	M402T11_	2.852103	1.512026	2.735323	0.035964	0.861994	UP	402.1099	402.1024	402.1163	10.93097	10.86008
318	M548T40_	1.48025	-0.56584	-2.73105	0.036251	0.862012	DOWN	548.3428	548.3423	548.343	40.49617	40.35233
319	M615T9_1	2.097648	-1.06877	-2.74128	0.036317	0.862016	DOWN	614.8622	614.8567	614.8629	9.206233	9.146383
320	M319T36	1.452666	-0.5387	-2.51841	0.036361	0.862019	DOWN	319.284	319.2834	319.2844	36.28083	36.28
321	M812T11_	1.494357	-0.57952	-2.53699	0.036552	0.862031	DOWN	812.3613	812.361	812.3618	11.13477	11.12207
322	M644T19	1.428376	0.514376	2.537641	0.036618	0.862034	UP	644.4709	644.4701	644.4713	18.66033	18.60533
323	M869T10_	1.664641	-0.73521	-2.61637	0.036786	0.862045	DOWN	869.3718	869.3714	869.373	9.61185	9.49445
324	M608T43_	1.135454	-0.18327	-2.52936	0.036863	0.862049	DOWN	608.3639	608.3635	608.3641	42.78325	42.62517
325	M227T9_9	4.10633	-2.03785	-2.82082	0.036933	0.862053	DOWN	227.1151	227.112	227.119	8.731583	8.679733
326	M399T12_	1.954951	0.967133	2.893493	0.03696	0.862055	UP	399.2932	399.2932	399.2936	12.35537	12.28105
327	M451T9_1	1.814699	-0.85973	-2.56171	0.037191	0.862069	DOWN	451.348	451.3478	451.3512	9.311525	9.129317
328	M429T11_	1.458969	-0.54495	-2.65066	0.037245	0.862072	DOWN	428.7251	428.7243	428.7261	10.91977	10.84487
329	M504T11_	1.52423	-0.60808	-2.65925	0.037483	0.862085	DOWN	504.1677	504.1676	504.1682	11.22302	11.19848
330	M563T11_	1.583931	-0.66351	-2.52357	0.03751	0.862087	DOWN	563.2536	563.2532	563.2546	11.25916	11.23632
331	M332T10_	1.814073	-0.85923	-2.8112	0.037642	0.862095	DOWN	331.6125	331.6123	331.6128	9.830508	9.715683
332	M393T19_	2.814642	1.492952	2.893757	0.037792	0.862103	UP	393.2898	393.2821	393.2903	18.943	18.89283
333	M485T21	2.010816	1.007781	2.874808	0.03782	0.862105	UP	485.3367	485.3366	485.3374	20.622	20.56367
334	M563T11_	1.68963	-0.75671	-2.49443	0.037854	0.862107	DOWN	562.69	562.6892	562.6908	10.64984	10.61512
335	M1024T10	1.492355	-0.57759	-2.49212	0.037984	0.862114	DOWN	1023.557	1023.555	1023.558	9.577683	9.46325
336	M396T11_	1.455035	-0.54105	-2.49094	0.038032	0.862117	DOWN	395.5196	395.5176	395.525	10.93208	10.89125
337	M299T9_4	3.057301	-1.61226	-2.60146	0.038105	0.862121	DOWN	299.3714	299.3709	299.3716	9.134767	9.1011
338	M335T9_6	1.685631	-0.75329	-2.49102	0.038123	0.862122	DOWN	334.7675	334.767	334.7733	9.249433	9.13445
339	M358T10_	2.811606	1.491394	2.645619	0.038274	0.86213	UP	357.9509	357.9507	357.9513	9.9847	9.8914
340	M698T10_	2.000324	-1.00023	-2.61217	0.038432	0.862139	DOWN	697.9229	697.9216	697.9237	9.830833	9.683817
341	M189T9_1	2.657799	-1.41023	-2.72977	0.038465	0.86214	DOWN	189.4786	189.4784	189.4791	9.26575	9.1911
342	M260T9_1	2.057055	-1.04058	-2.52521	0.038488	0.862142	DOWN	259.6223	259.6213	259.6239	9.295817	9.1587
343	M628T21	5.054171	2.337475	3.02493	0.038853	0.862161	UP	628.3263	628.3262	628.3265	20.68617	20.679
344	M310T17	1.702071	0.767291	2.635129	0.039027	0.862171	UP	310.2328	310.2194	310.2332	16.94283	16.8845
345	M382T9_1	1.955344	-0.96742	-2.46676	0.0391	0.862175	DOWN	382.1508	382.1501	382.1555	9.3474	9.1503
346	M351T10_	2.217054	1.148644	2.477468	0.039177	0.862179	UP	351.0975	351.0974	351.0976	9.770733	9.76065
347	M788T10_	1.26438	-0.33843	-2.61326	0.039542	0.862198	DOWN	788.4918	788.4904	788.4939	9.94785	9.843367
348	M448T23	1.188737	-0.24943	-2.71745	0.039714	0.862207	DOWN	448.2172	448.2169	448.2182	22.92917	22.6975
349	M475T9_1	1.945427	-0.96009	-2.62168	0.039842	0.862213	DOWN	475.3966	475.3927	475.3969	9.235933	9.032483

350	M256T19	1.548351	-0.63073	-2.54715	0.03986	0.862214	DOWN	256.1121	256.1119	256.1124	19.31683	19.28617
351	M1758T10	1.48459	-0.57006	-2.58496	0.03989	0.862215	DOWN	1757.711	1757.707	1757.713	9.576992	9.478833
352	M415T19_	2.78431	1.47732	2.749988	0.039923	0.862217	UP	415.271	415.2694	415.2777	18.92917	18.893
353	M202T9_5	2.027246	-1.01952	-2.45798	0.039933	0.862218	DOWN	201.7618	201.7612	201.7625	9.341242	9.250817
354	M277T11_	1.519793	0.603875	2.45592	0.040344	0.862238	UP	277.2669	277.2664	277.2673	10.91386	10.873
355	M931T10_	1.782415	-0.83383	-2.4396	0.040662	0.862254	DOWN	930.5859	930.5858	930.5862	10.28047	10.21837
356	M551T9_5	1.904497	-0.92941	-2.44055	0.040667	0.862254	DOWN	551.3643	551.3637	551.3647	8.871033	8.7875
357	M207T10_	1.530784	-0.61427	-2.65242	0.04092	0.862266	DOWN	206.8553	206.8551	206.8553	9.83135	9.715683
358	M271T44	1.577726	-0.65785	-2.80993	0.040977	0.862269	DOWN	271.19	271.1899	271.1902	43.70383	43.64633
359	M317T9_1	1.381283	-0.46601	-2.43856	0.041018	0.862271	DOWN	316.907	316.9068	316.9079	9.474408	9.370583
360	M394T20_	1.85172	-0.88887	-2.69139	0.041069	0.862274	DOWN	393.5458	393.5422	393.5486	20.216	20.21583
361	M342T9_4	1.893752	-0.92125	-2.52111	0.041088	0.862275	DOWN	342.1687	342.1685	342.1688	9.489725	9.432183
362	M382T10_	1.850823	-0.88817	-2.43254	0.041094	0.862275	DOWN	381.7261	381.7259	381.7265	9.55335	9.46325
363	M731T10_	1.40139	0.486859	2.504209	0.041414	0.86229	UP	731.468	731.4658	731.4687	9.536783	9.52515
364	M846T10_	1.726458	-0.78782	-2.5016	0.041498	0.862294	DOWN	845.5868	845.5859	845.5883	9.909442	9.7634
365	M533T9_3	1.964586	-0.97423	-2.42991	0.041586	0.862298	DOWN	533.1102	533.1096	533.1106	9.331475	9.130683
366	M393T10_	1.506787	-0.59148	-2.51082	0.04167	0.862302	DOWN	392.7485	392.7479	392.7486	9.655967	9.52595
367	M312T38	1.197776	-0.26036	-2.54248	0.041884	0.862312	DOWN	312.2976	312.2975	312.2978	38.36667	38.35233
368	M648T9_2	2.648949	-1.40542	-2.81943	0.04191	0.862313	DOWN	648.0744	648.0664	648.0777	9.174967	9.1322
369	M665T31	1.421441	-0.50735	-2.87973	0.042034	0.862319	DOWN	665.4667	665.4661	665.467	31.37233	31.3515
370	M548T11_	1.943996	-0.95903	-2.47234	0.04213	0.862323	DOWN	548.3492	548.3484	548.3499	10.59303	10.55068
371	M338T10_	1.322333	-0.40309	-2.61362	0.042152	0.862324	DOWN	338.1563	338.156	338.1567	9.818525	9.715683
372	M495T36	1.628667	0.703691	2.415501	0.042163	0.862325	UP	495.3895	495.3876	495.3896	36.13633	36.09333
373	M251T9_5	2.544739	-1.34752	-2.57694	0.042176	0.862325	DOWN	251.1358	251.1321	251.1383	9.28135	9.095133
374	M528T9_2	1.948187	-0.96213	-2.5026	0.042242	0.862328	DOWN	527.68	527.6783	527.6805	9.189117	9.159717
375	M203T9_1	1.397627	-0.48298	-2.41516	0.042327	0.862332	DOWN	202.6716	202.6715	202.6718	9.250817	9.133667
376	M725T30	1.555851	0.637704	2.573092	0.042365	0.862334	UP	725.4441	725.4434	725.4447	30.24433	30.20833
377	M590T10_	1.461646	-0.54759	-2.42504	0.042521	0.862341	DOWN	590.4705	590.4701	590.4712	9.903567	9.822117
378	M208T9_2	2.244468	-1.16637	-2.76183	0.042555	0.862342	DOWN	207.6767	207.6761	207.6774	9.287617	9.132267
379	M221T9_4	1.806525	-0.85322	-2.40876	0.042607	0.862345	DOWN	220.7302	220.7259	220.7306	9.3264	9.190317
380	M529T9_1	1.804733	-0.85179	-2.40922	0.042613	0.862345	DOWN	528.8544	528.8494	528.8545	9.163117	9.1322
381	M313T42_	1.276721	-0.35244	-2.83933	0.04268	0.862348	DOWN	313.2006	313.2005	313.2009	42.1935	42.12167
382	M230T10_	1.493561	0.578756	2.529236	0.042723	0.86235	UP	229.9691	229.9689	229.9692	9.945775	9.853533
383	M303T13	1.92635	-0.94587	-2.56526	0.042728	0.86235	DOWN	303.1953	303.1951	303.1953	13.40522	13.40392
384	M316T43_	1.640085	-0.71377	-2.74703	0.042738	0.86235	DOWN	316.1752	316.1751	316.1753	42.59642	42.35167

385	M492T10_	1.809065	-0.85524	-2.45373	0.042755	0.862351	DOWN	491.9297	491.9293	491.9299	9.82645	9.65225
386	M571T9_2	1.380702	-0.4654	-2.45882	0.042801	0.862353	DOWN	570.7256	570.7251	570.7261	9.186133	9.126783
387	M212T9_8	1.704653	-0.76948	-2.57099	0.042841	0.862355	DOWN	211.989	211.9882	211.9892	9.295167	9.26575
388	M825T12	1.401556	-0.48703	-2.44022	0.042917	0.862358	DOWN	825.3733	825.3731	825.3737	11.96146	11.95512
389	M336T9_5	2.709766	-1.43817	-2.63163	0.042917	0.862358	DOWN	335.9992	335.9988	336.0029	9.256567	9.158833
390	M702T18	7.314583	2.870776	2.904486	0.043052	0.862364	UP	702.2902	702.2901	702.2907	18.13608	18.116
391	M1049T10	1.926418	-0.94592	-2.56287	0.043055	0.862364	DOWN	1048.649	1048.648	1048.65	10.07688	9.98005
392	M411T9_3	3.256379	-1.70327	-2.72259	0.043077	0.862365	DOWN	411.0528	411.0501	411.0542	9.295167	9.224517
393	M723T9_2	2.013439	-1.00966	-2.40969	0.04336	0.862378	DOWN	723.2476	723.2456	723.2505	9.1428	9.1011
394	M557T10_	1.464929	-0.55083	-2.39739	0.043481	0.862383	DOWN	557.2453	557.2443	557.247	9.91875	9.79535
395	M189T9_1	2.336482	-1.22434	-2.60999	0.043505	0.862384	DOWN	189.3037	189.3027	189.3047	9.295167	9.11795
396	M371T10_	1.46542	-0.55131	-2.4455	0.043573	0.862387	DOWN	370.7354	370.735	370.7415	9.581933	9.478833
397	M158T8	2.070123	-1.04972	-2.43828	0.043747	0.862394	DOWN	158.1536	158.1505	158.1537	8.149867	8.045417
398	M527T9_1	1.864933	-0.89912	-2.62709	0.043838	0.862398	DOWN	526.5385	526.5383	526.5392	9.12675	9.07945
399	M415T10_	1.614269	-0.69088	-2.47302	0.044118	0.86241	DOWN	415.0541	415.0541	415.0542	9.999	9.932567
400	M691T9_1	1.886199	-0.91548	-2.39809	0.044174	0.862412	DOWN	690.6354	690.6348	690.6363	9.367758	9.324917
401	M249T16	1.451628	-0.53767	-2.39749	0.04447	0.862424	DOWN	249.2057	249.2056	249.2058	15.71347	15.67188
402	M980T10	1.164847	-0.22014	-2.41665	0.044679	0.862433	DOWN	980.0511	980.0492	980.0523	9.843367	9.636483
403	M662T9_1	2.078134	-1.05529	-2.70226	0.044721	0.862434	DOWN	662.1336	662.1323	662.1345	9.275917	9.219483
404	M400T9_8	1.593118	-0.67185	-2.41078	0.044749	0.862435	DOWN	400.4231	400.4225	400.4239	9.191133	9.160617
405	M413T9_3	1.560101	-0.64164	-2.41322	0.044777	0.862437	DOWN	412.6396	412.639	412.64	9.35335	9.219483
406	M396T42_	1.55584	-0.63769	-2.57923	0.044849	0.862439	DOWN	396.2225	396.2223	396.2227	41.8555	41.7035
407	M630T12	1.65091	-0.72326	-2.41493	0.044892	0.862441	DOWN	630.3335	630.333	630.3338	11.59613	11.57787
408	M376T39	1.941365	-0.95707	-2.84218	0.045001	0.862446	DOWN	376.1965	376.1965	376.1968	39.417	39.28767
409	M434T25_	1.661127	-0.73216	-2.40927	0.045056	0.862448	DOWN	434.2439	434.2435	434.2442	24.60867	24.5655
410	M302T9_2	1.463332	-0.54926	-2.5249	0.045141	0.862451	DOWN	301.8769	301.8766	301.8777	9.277833	9.20785
411	M435T9_8	1.469214	-0.55504	-2.44686	0.045347	0.862459	DOWN	435.0448	435.0445	435.0453	9.28995	9.129317
412	M429T9_1	1.71186	-0.77557	-2.39229	0.045373	0.86246	DOWN	428.5413	428.5333	428.5421	9.2585	9.1503
413	M454T20	1.458571	0.544555	2.491782	0.045388	0.862461	UP	454.316	454.3158	454.3164	19.80908	19.79467
414	M1003T10	1.775454	-0.82819	-2.50539	0.045578	0.862468	DOWN	1003.421	1003.421	1003.422	9.626517	9.509533
415	M804T10_	1.531236	-0.6147	-2.39603	0.045647	0.862471	DOWN	804.3489	804.3482	804.3493	9.629008	9.510117
416	M533T11_	1.770003	-0.82375	-2.39921	0.045677	0.862472	DOWN	533.0048	533.004	533.0055	10.51218	10.47197
417	M1993T10	1.963369	-0.97333	-2.50498	0.04571	0.862473	DOWN	1993.361	1993.358	1993.363	9.830558	9.728083
418	M417T9_7	1.582725	-0.66241	-2.3771	0.046108	0.862489	DOWN	416.9984	416.9934	416.9994	9.481367	9.118517
419	M517T9_6	1.651714	-0.72396	-2.41779	0.046231	0.862493	DOWN	517.4054	517.4047	517.4062	9.280992	9.160617

420	M332T10_	1.62357	-0.69917	-2.38191	0.046428	0.862501	DOWN	331.6421	331.6418	331.6422	9.921442	9.811217
421	M591T9_1	1.910517	-0.93396	-2.37128	0.046449	0.862502	DOWN	590.7999	590.7993	590.8004	9.200658	9.07945
422	M521T13_	2.718928	-1.44304	-2.78462	0.046525	0.862504	DOWN	521.4195	521.4195	521.4317	12.61823	12.52927
423	M617T10_	2.268041	1.181447	2.432212	0.046722	0.862512	UP	616.8597	616.8582	616.8644	9.831517	9.699733
424	M494T9_7	2.129061	-1.09022	-2.35795	0.046892	0.862518	DOWN	494.4269	494.4264	494.4276	9.225983	9.147367
425	M277T9_1	2.844253	1.50805	2.346061	0.046991	0.862522	UP	276.805	276.8046	276.8054	9.311042	9.1587
426	M165T10_	7.376533	2.882943	2.81118	0.047044	0.862524	UP	165.4077	165.4076	165.4077	9.977992	9.8753
427	M343T10_	1.606378	-0.68381	-2.34388	0.047182	0.862529	DOWN	343.1723	343.1723	343.1724	9.758367	9.73145
428	M860T11_	1.635897	-0.71008	-2.40576	0.047246	0.862531	DOWN	860.0118	860.011	860.0129	10.75458	10.70663
429	M740T9_3	2.994593	-1.58236	-2.34219	0.047283	0.862532	DOWN	739.9836	739.9826	739.9838	9.312075	9.24215
430	M211T29	2.593428	-1.37486	-2.81112	0.047353	0.862535	DOWN	211.1092	211.1089	211.1093	28.57817	28.55817
431	M994T9_1	2.816535	-1.49392	-2.39003	0.047382	0.862536	DOWN	993.5071	993.5055	993.5085	8.764917	8.697767
432	M182T10_	1.84387	-0.88274	-2.35297	0.047383	0.862536	DOWN	181.9659	181.9659	181.966	9.960817	9.869467
433	M410T21	1.407544	-0.49318	-2.33332	0.047913	0.862555	DOWN	409.7951	409.7947	409.7952	21.24667	21.2445
434	M434T9_1	2.149777	-1.10419	-2.44594	0.04796	0.862556	DOWN	434.4304	434.4303	434.4319	8.8943	8.817367
435	M376T42_	1.929613	-0.94831	-2.81084	0.048053	0.86256	DOWN	376.1965	376.1965	376.1967	41.6615	41.58967
436	M214T9_1	1.506961	-0.59164	-2.54818	0.048093	0.862561	DOWN	214.4364	214.4358	214.4366	9.3735	9.26575
437	M410T9_1	1.693996	-0.76043	-2.37092	0.048146	0.862563	DOWN	409.5038	409.5033	409.506	9.289675	9.1503
438	M811T11_	1.382115	-0.46688	-2.3368	0.04815	0.862563	DOWN	811.3578	811.3543	811.3582	11.13453	10.90393
439	M411T9_9	1.766442	-0.82085	-2.48905	0.048159	0.862563	DOWN	411.4163	411.4154	411.4198	9.3494	9.235933
440	M470T10_	1.360569	-0.44421	-2.56676	0.048195	0.862565	DOWN	469.9504	469.95	469.9518	9.809008	9.696683
441	M605T12_	1.847624	-0.88567	-2.76484	0.048326	0.862569	DOWN	605.2782	605.2765	605.2786	11.55968	11.54617
442	M396T10_	1.235902	-0.30556	-2.33673	0.048443	0.862573	DOWN	395.5757	395.5749	395.5759	9.903283	9.79535
443	M503T9_3	1.459923	-0.54589	-2.33212	0.048589	0.862578	DOWN	502.708	502.7074	502.7083	9.356108	9.1602
444	M198T23	1.683363	0.751347	2.361143	0.048828	0.862586	UP	198.1849	198.1846	198.185	22.97983	22.94367
445	M291T10_	1.71006	-0.77405	-2.32169	0.048878	0.862588	DOWN	291.2066	291.2064	291.2069	9.90315	9.806367
446	M250T10_	1.343572	-0.42607	-2.32585	0.048879	0.862588	DOWN	250.1539	250.1538	250.1542	9.5682	9.46325
447	M1698T10	2.087437	-1.06173	-2.63209	0.048984	0.862592	DOWN	1697.607	1697.603	1697.609	9.8207	9.728083
448	M357T10_	1.249368	-0.3212	-2.33047	0.049086	0.862595	DOWN	357.2143	357.2141	357.2144	9.566317	9.46325
449	M197T42_	1.449062	-0.53512	-2.36582	0.049157	0.862597	DOWN	197.1533	197.1532	197.1534	42.13608	41.96217
450	M853T9	2.074394	-1.05269	-2.42087	0.049185	0.862598	DOWN	853.3817	853.3809	853.3831	9.185192	9.142767
451	M532T10_	4.062679	2.022431	2.725989	0.049268	0.862601	UP	532.4265	532.4257	532.427	9.98155	9.8914
452	M648T9_6	4.040887	-2.01467	-2.74295	0.049306	0.862602	DOWN	648.3083	648.2966	648.311	9.220433	9.089333
453	M318T9_3	1.830688	-0.87239	-2.31741	0.049757	0.862617	DOWN	317.6409	317.6405	317.6413	9.24215	9.17485
454	M357T40_	1.206869	-0.27127	-2.35592	0.049852	0.86262	DOWN	357.1907	357.1905	357.191	39.98542	39.83433

455	M385T25	1.16634	0.221988	2.532492	0.049926	0.862623	UP	385.3421	385.342	385.3423	24.56575	24.55033
456	M423T11_	2.824404	1.497947	2.393227	0.050054	0.862627	UP	423.0832	423.0728	423.0862	10.91407	10.85838
457	M235T9_2	1.958505	-0.96975	-2.34494	0.050272	0.862634	DOWN	234.5966	234.5949	234.5973	9.245983	9.1322
458	M518T11_	1.666337	0.73668	2.41803	0.050356	0.862637	UP	518.1529	518.1515	518.153	10.9291	10.88995
459	M478T39_	1.951896	-0.96488	-2.3033	0.050392	0.862638	DOWN	478.3008	478.3005	478.301	38.68333	38.61133
460	M288T22_	2.683333	-1.42403	-2.6952	0.050562	0.862643	DOWN	288.335	288.3295	288.3358	22.06017	22.04267
461	M1781T10	1.327213	-0.4084	-2.30248	0.050568	0.862643	DOWN	1781.198	1781.191	1781.201	9.779267	9.743767
462	M303T9_1	1.681011	-0.74933	-2.3879	0.050622	0.862645	DOWN	302.9311	302.9307	302.9314	9.250558	9.1445
463	M586T9_4	1.933225	-0.95101	-2.45702	0.050655	0.862646	DOWN	585.9066	585.8995	585.9073	9.312992	9.234417
464	M612T16	1.857815	-0.89361	-2.56616	0.050797	0.862651	DOWN	611.7875	611.7869	611.7877	16.47605	16.45947
465	M264T11_	2.16138	-1.11195	-2.34126	0.050803	0.862651	DOWN	263.7949	263.7943	263.796	10.92106	10.83252
466	M709T9_1	4.071124	-2.02543	-2.57585	0.050842	0.862652	DOWN	708.5115	708.5105	708.5139	8.703817	8.63795
467	M227T9_1	1.952885	-0.96561	-2.31343	0.050987	0.862657	DOWN	227.2744	227.2735	227.2753	9.279417	9.16125
468	M288T9_3	1.544716	-0.62734	-2.62739	0.051007	0.862657	DOWN	287.7876	287.7873	287.7877	8.878342	8.77435
469	M503T9_4	1.858172	-0.89388	-2.64098	0.051233	0.862664	DOWN	502.9037	502.903	502.9046	9.356308	9.249433
470	M1551T9	2.057399	-1.04082	-2.35872	0.051281	0.862666	DOWN	1551.16	1551.159	1551.161	9.333667	9.298683
471	M337T11_	1.585377	0.664826	2.327416	0.051297	0.862666	UP	336.9012	336.901	336.9022	10.90675	10.86008
472	M701T10_	2.953663	-1.56251	-2.35337	0.051313	0.862667	DOWN	701.1042	701.1035	701.1087	9.885167	9.856867
473	M478T20_	3.151305	-1.65595	-2.32059	0.051322	0.862667	DOWN	478.3754	478.3751	478.3821	19.9375	19.88567
474	M242T11_	5.171364	2.370545	2.352683	0.051378	0.862669	UP	242.1928	242.186	242.1931	10.91813	10.85838
475	M476T9_6	2.036181	-1.02587	-2.28872	0.051393	0.862669	DOWN	475.751	475.7441	475.756	9.1991	9.087183
476	M553T9_3	1.696451	0.76252	2.292324	0.051395	0.862669	UP	552.7966	552.7961	552.7969	9.253525	9.06315
477	M378T9_1	1.795096	0.844061	2.315391	0.051423	0.86267	UP	378.4979	378.4976	378.4985	9.22995	9.06315
478	M413T9_1	1.813753	-0.85898	-2.45619	0.051464	0.862671	DOWN	412.5386	412.5382	412.539	9.321425	9.249433
479	M294T10_	3.828226	1.936676	2.697977	0.051544	0.862674	UP	294.2648	294.2647	294.2649	9.98155	9.859233
480	M276T10_	1.604358	-0.682	-2.39609	0.051652	0.862677	DOWN	275.8165	275.8164	275.8166	9.8207	9.73145
481	M1113T11	1.724952	-0.78656	-2.31105	0.051714	0.862679	DOWN	1112.63	1112.628	1112.631	11.22083	11.17813
482	M290T10_	1.335868	-0.41778	-2.45298	0.05174	0.86268	DOWN	290.2543	290.2464	290.2546	9.91765	9.79535
483	M924T9	2.222606	-1.15225	-2.28406	0.052204	0.862693	DOWN	923.7094	923.7092	923.7096	9.3834	9.3261
484	M577T10_	1.843446	-0.88241	-2.34624	0.052423	0.8627	DOWN	577.3669	577.3668	577.3675	10.20043	10.11747
485	M707T10_	1.639956	-0.71366	-2.424	0.052438	0.8627	DOWN	707.2099	707.2089	707.2107	9.830183	9.715683
486	M808T11	1.744638	-0.80293	-2.51234	0.052451	0.862701	DOWN	808.4082	808.4076	808.4086	11.14532	11.11987
487	M458T13	1.268289	-0.34288	-2.39517	0.052498	0.862702	DOWN	458.3643	458.3641	458.3646	13.22963	13.21485
488	M813T10_	1.62529	-0.7007	-2.41099	0.052639	0.862706	DOWN	813.2662	813.2659	813.267	9.951283	9.843367
489	M520T9_4	1.831315	-0.87288	-2.32969	0.052667	0.862707	DOWN	519.8554	519.8541	519.8568	9.390133	9.129317

490	M534T40_	1.370755	0.45497	2.327716	0.052677	0.862707	UP	534.2906	534.2904	534.2908	40.38817	40.09333
491	M1421T10	2.08882	-1.06269	-2.68029	0.052772	0.86271	DOWN	1421.304	1421.303	1421.305	9.91875	9.822117
492	M488T11_	2.435261	-1.28408	-2.39274	0.053125	0.86272	DOWN	487.9741	487.9734	487.9745	10.70756	10.64453
493	M742T9_4	1.780117	-0.83197	-2.29478	0.05318	0.862722	DOWN	742.0331	742.0326	742.034	9.317	9.24215
494	M880T10_	1.410007	-0.4957	-2.36174	0.053246	0.862724	DOWN	880.3627	880.3623	880.3634	9.6129	9.49445
495	M261T13_	1.500914	-0.58584	-2.44513	0.053269	0.862724	DOWN	261.2064	261.2062	261.2066	12.6019	12.58695
496	M730T11_	1.663539	-0.73426	-2.33764	0.053358	0.862727	DOWN	729.9826	729.9826	729.9835	11.23607	11.22427
497	M1432T10	1.709964	-0.77397	-2.28928	0.053372	0.862727	DOWN	1431.689	1431.687	1431.69	9.872917	9.84525
498	M404T12	2.078244	-1.05537	-2.55837	0.053418	0.862729	DOWN	404.1739	404.1731	404.1744	11.7329	11.66582
499	M1152T12	1.593722	-0.6724	-2.50057	0.053553	0.862733	DOWN	1152.099	1152.099	1152.099	12.22276	12.20887
500	M1050T11	1.871091	-0.90388	-2.28573	0.053747	0.862738	DOWN	1050.351	1050.349	1050.353	10.89355	10.83252
501	M1234T45	1.127151	0.172681	2.257639	0.053931	0.862743	UP	1233.828	1233.827	1233.829	44.98333	44.98283
502	M234T9_5	2.07048	-1.04997	-2.26189	0.053982	0.862745	DOWN	233.8772	233.876	233.8781	9.2946	9.132267
503	M367T9_4	1.659248	-0.73053	-2.30499	0.054036	0.862746	DOWN	367.3984	367.398	367.3987	9.143633	9.1178
504	M316T9_3	5.255991	2.393963	2.332106	0.05407	0.862747	UP	316.2261	316.2248	316.2293	8.780533	8.672483
505	M828T9_5	2.703134	-1.43463	-2.38566	0.05408	0.862747	DOWN	828.4245	828.4237	828.4253	8.798117	8.715883
506	M1596T10	1.656385	-0.72804	-2.25579	0.054297	0.862753	DOWN	1595.897	1595.897	1595.898	10.24985	10.18238
507	M232T10_	1.608543	0.685754	2.254885	0.054539	0.86276	UP	231.6151	231.6151	231.6152	9.881192	9.822117
508	M387T25	1.436885	0.522944	2.355062	0.054612	0.862762	UP	387.3489	387.3485	387.3494	24.5775	24.5635
509	M864T9	1.901117	-0.92685	-2.30082	0.054658	0.862763	DOWN	863.5161	863.5151	863.5172	9.321533	9.18975
510	M393T20_	2.25372	-1.17231	-2.56908	0.054728	0.862765	DOWN	393.4388	393.4314	393.4428	20.259	20.21583
511	M880T10_	1.460041	-0.54601	-2.40218	0.055063	0.862774	DOWN	879.8612	879.8609	879.8615	9.6129	9.49445
512	M452T12	1.506267	-0.59098	-2.24661	0.055172	0.862777	DOWN	452.2119	452.2115	452.2125	12.38518	12.36858
513	M231T10_	1.85317	0.889996	2.441607	0.055241	0.862779	UP	231.0489	231.0488	231.0491	9.931108	9.827283
514	M393T15_	1.401112	-0.48657	-2.41496	0.055341	0.862781	DOWN	393.3019	393.3015	393.3022	15.28704	15.24757
515	M504T42_	1.245994	-0.3173	-2.52183	0.055389	0.862783	DOWN	504.2798	504.2797	504.2802	42.33025	42.23667
516	M320T9_4	1.559879	-0.64143	-2.49632	0.055703	0.862791	DOWN	319.9152	319.9113	319.9156	9.3834	9.30965
517	M190T9_3	3.581769	-1.84067	-2.65219	0.055779	0.862793	DOWN	189.5741	189.5733	189.5753	9.21845	9.1322
518	M420T42_	1.4348	-0.52085	-2.59182	0.05587	0.862795	DOWN	420.2225	420.2222	420.2229	42.23683	42.15033
519	M327T30	3.718765	-1.89482	-2.57872	0.055941	0.862797	DOWN	327.201	327.2005	327.2013	30.26733	30.226
520	M1792T10	2.225409	-1.15407	-2.29044	0.056062	0.8628	DOWN	1792.041	1792.039	1792.043	9.8232	9.7124
521	M766T10_	1.560289	-0.64181	-2.45711	0.056176	0.862803	DOWN	766.4085	766.4081	766.4127	9.9014	9.806367
522	M456T9_9	1.650723	-0.7231	-2.30783	0.05626	0.862805	DOWN	456.2911	456.2905	456.2936	9.371592	9.129317
523	M749T10_	2.810295	1.490722	2.27531	0.056405	0.862809	UP	748.6735	748.6705	748.6744	9.847125	9.758367
524	M1153T12	1.559315	-0.64091	-2.40242	0.056457	0.86281	DOWN	1152.6	1152.6	1152.601	12.22248	12.20802

525	M287T11	1.657454	0.728969	2.418007	0.056457	0.86281	UP	286.6228	286.6217	286.623	10.8926	10.86008
526	M600T10_	2.284737	-1.19203	-2.51251	0.056689	0.862816	DOWN	599.882	599.8812	599.8836	10.25792	10.16598
527	M602T10_	2.143818	-1.10018	-2.57228	0.056782	0.862818	DOWN	601.858	601.8575	601.8591	10.24737	10.2024
528	M324T9_1	2.180049	-1.12436	-2.45969	0.056915	0.862822	DOWN	323.5055	323.5047	323.5062	9.220933	9.174917
529	M269T18	6.115585	-2.61249	-2.59169	0.056933	0.862822	DOWN	269.1468	269.1465	269.1471	18.218	18.19283
530	M438T19_	1.356361	-0.43974	-2.24174	0.057008	0.862824	DOWN	438.2844	438.284	438.2849	19.06142	19.04017
531	M378T10_	1.674003	-0.7433	-2.48909	0.057072	0.862826	DOWN	378.3495	378.349	378.3511	9.918792	9.811217
532	M1149T10	1.731762	-0.79224	-2.55569	0.057233	0.86283	DOWN	1149.365	1149.364	1149.366	9.76855	9.665433
533	M826T12	1.364841	-0.44873	-2.27604	0.05734	0.862832	DOWN	826.3768	826.3765	826.3779	11.96225	11.94427
534	M455T9_1	2.443336	-1.28885	-2.2177	0.057473	0.862836	DOWN	454.5121	454.5043	454.5181	9.331383	9.1503
535	M269T31	1.054944	-0.07717	-2.22083	0.057489	0.862836	DOWN	269.2473	269.2472	269.2474	31.3505	31.34883
536	M648T11_	1.571237	-0.6519	-2.22204	0.057551	0.862837	DOWN	648.3445	648.3441	648.3455	10.55008	10.5191
537	M714T10_	1.400286	-0.48572	-2.25624	0.057587	0.862838	DOWN	714.4254	714.4246	714.4261	9.566317	9.47865
538	M784T10_	1.415088	-0.50089	-2.2275	0.057636	0.86284	DOWN	784.4904	784.4898	784.4908	9.645292	9.52595
539	M363T7	4.041915	-2.01504	-2.45407	0.057753	0.862842	DOWN	362.9259	362.9181	362.9262	7.291717	7.120467
540	M316T28_	1.737348	0.796887	2.212797	0.057829	0.862844	UP	316.3581	316.3574	316.3671	28.128	28.08383
541	M357T22_	1.390408	-0.47551	-2.25577	0.057838	0.862844	DOWN	357.3188	357.3185	357.319	21.74	21.71133
542	M810T11_	2.143369	-1.09988	-2.24033	0.057987	0.862848	DOWN	810.3831	810.3818	810.3841	11.22427	11.16928
543	M198T10_	1.531435	0.614884	2.308827	0.058121	0.862851	UP	198.1189	198.1189	198.1191	9.98345	9.8753
544	M815T10_	1.404029	-0.48957	-2.20927	0.05815	0.862852	DOWN	815.3398	815.3393	815.3404	9.629008	9.52515
545	M779T10_	1.985712	-0.98966	-2.2839	0.058325	0.862856	DOWN	779.3738	779.3737	779.3752	9.6055	9.541483
546	M582T11_	2.297762	-1.20023	-2.50767	0.058569	0.862862	DOWN	582.037	582.0367	582.0371	11.22007	11.16928
547	M474T37_	1.160035	-0.21417	-2.53415	0.058634	0.862863	DOWN	474.2696	474.2693	474.2697	37.32383	37.2075
548	M221T9_7	1.678242	-0.74695	-2.2182	0.058685	0.862865	DOWN	220.8249	220.822	220.8256	9.40255	9.132267
549	M362T16	1.24464	-0.31573	-2.2453	0.058697	0.862865	DOWN	362.1808	362.1807	362.181	15.96518	15.92052
550	M508T40_	1.256142	-0.329	-2.3547	0.058708	0.862865	DOWN	508.3111	508.3108	508.3113	39.69033	39.51767
551	M731T11_	2.809505	-1.49032	-2.56692	0.05893	0.86287	DOWN	731.4592	731.4588	731.4599	10.67552	10.66012
552	M807T11_	1.741699	-0.8005	-2.23642	0.059015	0.862872	DOWN	807.4063	807.406	807.4065	11.135	11.10768
553	M414T37	1.062167	-0.08701	-2.23194	0.059063	0.862873	DOWN	414.3574	414.3574	414.3576	37.47483	37.46033
554	M591T10_	1.457858	-0.54385	-2.20326	0.0591	0.862874	DOWN	590.8418	590.841	590.8419	9.924308	9.822117
555	M639T10_	1.405092	-0.49066	-2.20171	0.059146	0.862875	DOWN	638.8769	638.8766	638.8771	10.10826	10.00428
556	M209T10_	2.042215	-1.03013	-2.3787	0.059169	0.862876	DOWN	209.2678	209.2676	209.2679	9.79065	9.73145
557	M201T9_6	1.945658	-0.96026	-2.24012	0.059509	0.862884	DOWN	200.6614	200.661	200.6624	9.265117	9.146383
558	M394T7	1.532559	-0.61594	-2.28696	0.059527	0.862884	DOWN	394.2122	394.2121	394.2126	7.10615	7.08535
559	M318T9_6	1.666199	-0.73656	-2.19721	0.059679	0.862888	DOWN	317.7945	317.7942	317.7951	9.311167	9.129317



560	M295T10_	1.275422	-0.35097	-2.35088	0.059768	0.86289	DOWN	295.0923	295.0922	295.0925	9.955442	9.859233
561	M396T41	1.395575	-0.48086	-2.21498	0.059786	0.86289	DOWN	396.2224	396.2223	396.2228	41.05817	40.87017
562	M494T9_6	1.431853	-0.51788	-2.20395	0.059801	0.86289	DOWN	494.3503	494.3494	494.351	9.311883	9.1445
563	M548T27	1.909549	0.933232	2.258366	0.059876	0.862892	UP	548.3269	548.3267	548.3271	26.75267	26.6835
564	M325T23	1.65824	-0.72965	-2.45172	0.059891	0.862892	DOWN	325.2006	325.2005	325.2007	22.75583	22.741
565	M468T10_	1.423283	-0.50922	-2.20813	0.06	0.862895	DOWN	468.2322	468.2319	468.2331	9.956417	9.885167
566	M518T10_	1.53858	0.6216	2.202472	0.060013	0.862895	UP	517.8471	517.8467	517.8482	9.934025	9.8753
567	M1068T10	1.835943	0.876522	2.395364	0.060065	0.862896	UP	1068.302	1068.3	1068.307	9.840617	9.74925
568	M351T9_1	1.910847	-0.93421	-2.20975	0.060071	0.862896	DOWN	351.1209	351.12	351.1266	9.357033	9.250817
569	M227T11_	5.33764	2.416202	2.591766	0.060073	0.862896	UP	227.0867	227.0866	227.0871	10.93208	10.85838
570	M576T20	1.513465	-0.59786	-2.20323	0.060211	0.8629	DOWN	576.4073	576.4065	576.4084	20.27383	20.21567
571	M314T25_	1.404595	0.490154	2.255224	0.060416	0.862904	UP	314.2302	314.2302	314.2305	25.191	25.1595
572	M345T11_	1.713422	-0.77688	-2.18439	0.060457	0.862905	DOWN	345.4915	345.4904	345.4935	10.91183	10.8926
573	M1716T10	1.757326	-0.81338	-2.30788	0.06051	0.862906	DOWN	1716.241	1716.238	1716.245	9.82645	9.696683
574	M703T11_	1.407946	-0.49359	-2.19479	0.060695	0.86291	DOWN	702.6591	702.6583	702.6598	10.91703	10.89355
575	M318T9_4	1.310131	-0.38971	-2.19945	0.060721	0.862911	DOWN	317.7142	317.7139	317.7145	8.840483	8.745033
576	M307T9_6	1.32482	-0.4058	-2.21766	0.060782	0.862912	DOWN	307.1159	307.1156	307.1159	8.7035	8.623117
577	M827T10_	1.38834	-0.47336	-2.18062	0.06094	0.862916	DOWN	827.3523	827.3519	827.3528	9.613367	9.510117
578	M342T10_	1.338749	-0.42089	-2.26829	0.060997	0.862917	DOWN	342.1216	342.1212	342.1216	9.826875	9.73145
579	M608T9_2	1.406019	-0.49162	-2.23185	0.06119	0.862921	DOWN	608.3845	608.3841	608.3848	9.289925	9.219483
580	M217T7_3	1.450291	-0.53634	-2.30116	0.06119	0.862921	DOWN	217.1044	217.1043	217.1044	6.739167	6.617483
581	M251T10_	2.028723	1.020572	2.237647	0.06124	0.862922	UP	251.3874	251.3873	251.3879	9.956417	9.859233
582	M922T10	1.600061	-0.67813	-2.19078	0.061299	0.862923	DOWN	921.5256	921.5248	921.5261	9.859667	9.774967
583	M498T10_	1.475188	-0.5609	-2.2174	0.061333	0.862924	DOWN	498.3137	498.3119	498.3203	10.4039	10.233
584	M316T28_	2.611248	1.384739	2.275889	0.061355	0.862925	UP	316.336	316.3354	316.3444	28.1425	28.12733
585	M679T11	1.29149	-0.36904	-2.17384	0.06146	0.862927	DOWN	679.3147	679.3145	679.3152	11.01968	10.98193
586	M340T9_4	1.241901	-0.31255	-2.19824	0.061474	0.862927	DOWN	340.0427	340.0425	340.0428	9.296133	9.129317
587	M409T10_	1.644826	-0.71793	-2.1864	0.061564	0.862929	DOWN	409.2967	409.2962	409.2968	9.88865	9.843367
588	M436T9_8	1.755155	-0.8116	-2.22408	0.061569	0.862929	DOWN	435.9877	435.9876	435.988	9.26575	9.129317
589	M284T10_	1.925001	-0.94486	-2.18586	0.061611	0.86293	DOWN	283.717	283.7169	283.7171	9.561767	9.47865
590	M1790T10	1.781901	-0.83342	-2.27235	0.061612	0.86293	DOWN	1789.718	1789.715	1789.719	9.787633	9.715683
591	M592T27	2.015543	1.011169	2.379449	0.061726	0.862933	UP	592.3534	592.3532	592.3539	27.05667	26.99833
592	M189T9_1	1.865395	-0.89948	-2.26415	0.061736	0.862933	DOWN	189.0521	189.0516	189.0525	9.219483	9.160617
593	M1001T11	1.688497	-0.75574	-2.2316	0.061743	0.862933	DOWN	1001.031	1001.029	1001.033	10.93208	10.88747
594	M220T9_6	1.340465	-0.42273	-2.17647	0.061831	0.862935	DOWN	219.8329	219.8288	219.833	9.303525	9.11405

595	M925T9_1	1.796065	-0.84484	-2.23335	0.061839	0.862935	DOWN	924.6534	924.6527	924.6541	9.22775	9.17485
596	M619T11	1.455433	-0.54145	-2.20939	0.062	0.862938	DOWN	619.2576	619.2574	619.2582	10.69792	10.67523
597	M617T10_	1.49882	-0.58383	-2.18836	0.062044	0.862939	DOWN	617.2947	617.2935	617.2949	9.642433	9.52595
598	M233T11_	2.419851	-1.27492	-2.42305	0.062229	0.862943	DOWN	233.15	233.1499	233.1502	10.91152	10.8628
599	M401T11_	2.107329	1.075416	2.316521	0.062251	0.862944	UP	400.5349	400.529	400.5368	10.97928	10.88982
600	M532T10_	1.805813	-0.85265	-2.41515	0.062604	0.862951	DOWN	532.4932	532.4932	532.4935	9.523633	9.447983
601	M413T9_5	11.27826	-3.49547	-2.55234	0.062648	0.862952	DOWN	412.7862	412.7858	412.7959	9.25985	9.145433
602	M270T9_2	1.564822	-0.646	-2.26909	0.062828	0.862956	DOWN	270.2115	270.2114	270.2128	9.47225	9.370583
603	M345T9_9	3.099104	-1.63185	-2.39508	0.062852	0.862956	DOWN	345.0251	345.0248	345.0254	8.88395	8.77435
604	M332T45	1.791389	-0.84108	-2.39327	0.063144	0.862962	DOWN	332.1703	332.1702	332.1703	44.811	44.66733
605	M387T10_	2.442686	1.288469	2.270413	0.063149	0.862962	UP	387.1035	387.0975	387.1051	9.994767	9.918833
606	M313T14	1.341957	-0.42434	-2.26915	0.06319	0.862963	DOWN	313.2353	313.2351	313.2356	13.79976	13.77038
607	M536T38_	1.59802	0.676285	2.205016	0.063225	0.862964	UP	536.3061	536.3059	536.3064	37.60417	37.51783
608	M476T9_5	1.86822	-0.90166	-2.15679	0.063234	0.862964	DOWN	475.7045	475.7034	475.7129	9.342892	9.2033
609	M322T9_2	2.337934	1.225234	2.264585	0.063397	0.862967	UP	321.7005	321.7001	321.7054	9.311883	9.06855
610	M569T10_	2.330057	-1.22037	-2.46424	0.063458	0.862968	DOWN	569.356	569.3527	569.3565	10.22983	10.13887
611	M718T10_	2.218698	1.149714	2.206332	0.063652	0.862972	UP	717.5165	717.5159	717.5178	10.12765	10.05935
612	M499T9_2	1.213007	-0.27859	-2.20434	0.063715	0.862974	DOWN	498.802	498.8017	498.8024	9.424408	9.30965
613	M552T9_8	1.487429	-0.57282	-2.17643	0.063724	0.862974	DOWN	552.173	552.1719	552.1746	9.365833	9.129317
614	M415T9_3	1.663867	-0.73454	-2.22358	0.063878	0.862977	DOWN	414.6521	414.6514	414.6539	9.363375	9.129317
615	M885T11_	1.469944	-0.55576	-2.18101	0.064074	0.862981	DOWN	885.4747	885.4744	885.476	10.91809	10.89355
616	M346T43_	1.759694	0.815324	2.208788	0.064105	0.862981	UP	346.1859	346.1858	346.186	43.1935	43.02783
617	M653T11_	1.393115	-0.47831	-2.16977	0.064207	0.862983	DOWN	653.3006	653.2998	653.3007	10.58803	10.53258
618	M499T9_7	1.236483	-0.30624	-2.20531	0.064232	0.862984	DOWN	499.3037	499.3035	499.304	9.424408	9.340183
619	M524T9_4	1.559363	-0.64096	-2.36117	0.064312	0.862985	DOWN	524.0398	524.0394	524.0402	9.158867	9.07945
620	M235T9_1	2.403696	-1.26525	-2.47567	0.064352	0.862986	DOWN	235.3698	235.3688	235.3701	9.342092	9.249433
621	M1137T10	2.705473	-1.43588	-2.3043	0.064628	0.862991	DOWN	1136.702	1136.702	1136.703	10.22043	10.12287
622	M206T9_1	2.864092	-1.51808	-2.21551	0.064638	0.862992	DOWN	206.1538	206.1528	206.1631	9.295167	9.132267
623	M327T44_	1.212912	-0.27848	-2.3471	0.06478	0.862994	DOWN	327.2164	327.2163	327.2165	44.33675	44.2215
624	M327T44_	1.391448	0.476587	2.141807	0.064956	0.862998	UP	327.1799	327.1799	327.18	43.68967	43.45667
625	M512T26	1.481717	-0.56727	-2.22545	0.065077	0.863	DOWN	511.8625	511.8622	511.8628	25.98083	25.94833
626	M554T10_	1.758111	-0.81403	-2.15173	0.065127	0.863001	DOWN	554.3312	554.3306	554.332	9.657358	9.571683
627	M490T15	1.52409	-0.60795	-2.13627	0.065236	0.863003	DOWN	490.3634	490.3624	490.3636	15.08798	15.0287
628	M619T16_	1.424912	-0.51087	-2.1419	0.065361	0.863005	DOWN	619.4795	619.4785	619.4805	16.11123	16.0998
629	M567T11_	2.574778	-1.36445	-2.42577	0.065382	0.863006	DOWN	567.0274	567.0264	567.0284	11.11671	11.06723

630	M655T11_	2.373958	1.247294	2.143013	0.065389	0.863006	UP	654.805	654.8046	654.8065	10.88445	10.87487
631	M345T9_4	1.470042	-0.55586	-2.16304	0.06541	0.863006	DOWN	344.8247	344.8243	344.8254	8.887317	8.7891
632	M501T9_7	1.379694	-0.46435	-2.13028	0.065767	0.863013	DOWN	501.2643	501.2624	501.266	9.365833	9.129317
633	M213T9_6	7.811657	-2.96563	-2.50806	0.065826	0.863014	DOWN	212.7946	212.7931	212.7988	9.280767	9.219483
634	M225T44_	1.391525	-0.47667	-2.13023	0.065906	0.863016	DOWN	225.1118	225.1117	225.112	43.83333	43.72767
635	M416T9_8	2.048699	-1.03471	-2.18587	0.065982	0.863017	DOWN	416.2894	416.2886	416.2928	9.365833	9.046783
636	M1721T10	1.766755	-0.8211	-2.16483	0.066033	0.863018	DOWN	1721.201	1721.198	1721.204	9.772125	9.715683
637	M452T9_4	1.371571	-0.45583	-2.19587	0.066142	0.86302	DOWN	452.2233	452.2223	452.226	9.363217	9.1158
638	M351T44_	1.054001	-0.07588	-2.13856	0.066341	0.863024	DOWN	351.3255	351.3255	351.3256	43.60342	43.60317
639	M478T38_	1.32521	-0.40622	-2.45375	0.066344	0.863024	DOWN	478.3008	478.3006	478.3009	38.36675	38.2085
640	M402T39	1.781347	-0.83297	-2.4586	0.066532	0.863027	DOWN	402.3574	402.3572	402.3577	38.79842	38.76967
641	M301T29	5.710718	-2.51367	-2.45294	0.066571	0.863028	DOWN	301.156	301.1557	301.1567	28.68817	28.64883
642	M1181T10	3.178316	-1.66826	-2.43057	0.066751	0.863031	DOWN	1180.728	1180.727	1180.729	10.27294	10.18653
643	M406T45_	1.93269	0.95061	2.16044	0.066797	0.863032	UP	406.207	406.2068	406.2071	44.79683	44.71033
644	M367T10_	1.672537	-0.74204	-2.11971	0.067077	0.863037	DOWN	366.7566	366.7553	366.7586	9.830833	9.830733
645	M377T10_	1.25221	-0.32448	-2.29515	0.067085	0.863037	DOWN	377.3661	377.3658	377.367	9.918958	9.8378
646	M380T20_	1.38063	-0.46533	-2.12132	0.067201	0.863039	DOWN	380.1899	380.1897	380.1902	20.17225	20.15783
647	M564T9_2	2.177746	-1.12284	-2.14385	0.067205	0.863039	DOWN	563.8744	563.8737	563.8745	9.431517	9.371417
648	M1798T10	1.607728	-0.68502	-2.36848	0.06725	0.86304	DOWN	1798.309	1798.307	1798.311	9.81635	9.715683
649	M296T24	1.308536	-0.38795	-2.15549	0.067251	0.86304	DOWN	296.1935	296.1934	296.1936	23.78817	23.76083
650	M1017T10	1.91384	-0.93647	-2.12223	0.067331	0.863042	DOWN	1017.438	1017.436	1017.441	10.11782	9.939683
651	M668T45_	1.083309	0.115445	2.416836	0.06741	0.863043	UP	667.9809	667.9804	667.9811	44.71033	44.6815
652	M646T23	1.408953	-0.49462	-2.11454	0.067422	0.863043	DOWN	646.437	646.4364	646.4376	22.88583	22.81383
653	M700T10_	1.334096	0.415863	2.163103	0.067463	0.863044	UP	699.8795	699.8783	699.8803	9.999517	9.923533
654	M478T28	3.967148	1.988102	2.480563	0.067621	0.863047	UP	478.2791	478.2785	478.2797	28.02617	27.99567
655	M302T10_	1.810101	-0.85607	-2.14364	0.067703	0.863048	DOWN	301.6277	301.6273	301.6279	9.918833	9.811217
656	M353T43_	1.182834	-0.24225	-2.27012	0.068082	0.863055	DOWN	353.232	353.2319	353.2321	42.58217	42.323
657	M1328T9	1.299657	-0.37813	-2.14776	0.068141	0.863056	DOWN	1327.924	1327.923	1327.926	9.311167	9.17485
658	M257T10_	2.347318	1.231014	2.110706	0.068166	0.863056	UP	257.4661	257.4661	257.4663	9.746783	9.665433
659	M323T20	1.450949	-0.537	-2.1751	0.068236	0.863058	DOWN	323.1237	323.1236	323.1241	20.17292	20.15833
660	M605T12_	1.330877	-0.41238	-2.12225	0.068453	0.863061	DOWN	605.4639	605.463	605.4645	12.23754	12.20985
661	M206T9_2	3.162879	-1.66124	-2.1381	0.06852	0.863063	DOWN	206.217	206.2169	206.2172	9.296417	9.160467
662	M183T9_8	2.154245	-1.10718	-2.39986	0.068618	0.863064	DOWN	183.1563	183.1556	183.1565	9.166033	9.132033
663	M255T10_	1.925393	0.945153	2.103186	0.068633	0.863065	UP	255.4515	255.4509	255.4519	9.736117	9.62055
664	M281T31_	1.148643	-0.19993	-2.2304	0.068903	0.863069	DOWN	281.2473	281.2471	281.2474	31.26725	31.23383

665	M187T9_1	1.729345	-0.79023	-2.10028	0.068962	0.86307	DOWN	186.8951	186.8946	186.8956	9.3919	9.1602
666	M476T9_1	2.917083	-1.54453	-2.12657	0.06931	0.863076	DOWN	476.1621	476.1588	476.1673	9.323067	9.160467
667	M805T12	1.911471	-0.93468	-2.19375	0.069374	0.863077	DOWN	805.3906	805.3898	805.3917	11.58612	11.5607
668	M305T9_1	2.798267	-1.48453	-2.25386	0.069461	0.863079	DOWN	304.8632	304.8632	304.8633	9.457083	9.401917
669	M229T10_	1.904052	-0.92907	-2.11561	0.069511	0.863079	DOWN	228.9004	228.8921	228.9006	9.8235	9.715683
670	M490T41	1.83008	-0.87191	-2.25664	0.069561	0.86308	DOWN	490.2644	490.2642	490.2647	41.13625	40.81267
671	M635T10_	1.673263	-0.74266	-2.0982	0.069768	0.863084	DOWN	635.4364	635.4358	635.4368	9.803133	9.715683
672	M1493T10	1.653476	-0.7255	-2.0975	0.069886	0.863086	DOWN	1493.118	1493.112	1493.122	9.904767	9.7634
673	M935T12	2.374393	-1.24756	-2.21583	0.069911	0.863086	DOWN	934.5335	934.5333	934.5338	11.5653	11.5505
674	M1973T10	1.561448	-0.64288	-2.18042	0.070008	0.863088	DOWN	1972.702	1972.7	1972.702	9.81635	9.715683
675	M383T9_5	2.091664	-1.06465	-2.27861	0.070239	0.863092	DOWN	382.9289	382.9246	382.9299	9.174883	9.145433
676	M620T9_1	1.821948	-0.86548	-2.09983	0.070295	0.863092	DOWN	619.7437	619.7405	619.7473	9.235933	9.079083
677	M555T10_	1.844352	-0.88311	-2.3346	0.070308	0.863093	DOWN	555.354	555.3531	555.3543	10.12053	10.05268
678	M1736T10	1.450701	-0.53675	-2.10851	0.070365	0.863094	DOWN	1735.728	1735.728	1735.729	9.605508	9.49445
679	M169T44_	2.230464	1.157344	2.433593	0.070561	0.863097	UP	169.122	169.1219	169.1221	44.03467	44.02033
680	M721T10_	1.273205	-0.34846	-2.12984	0.070597	0.863097	DOWN	720.8119	720.8105	720.8125	9.8207	9.699733
681	M480T9_5	1.330081	-0.41151	-2.08484	0.070635	0.863098	DOWN	480.2834	480.2815	480.2841	9.311167	9.129317
682	M710T9_1	2.463943	-1.30097	-2.19544	0.070656	0.863098	DOWN	709.6485	709.6476	709.6494	8.783317	8.701267
683	M809T11_	1.688796	-0.75599	-2.08634	0.070669	0.863099	DOWN	809.3798	809.3785	809.3803	11.232	11.19848
684	M456T9_2	2.020306	-1.01457	-2.24485	0.070772	0.8631	DOWN	455.6945	455.6938	455.6948	9.242617	9.129317
685	M594T10_	1.851102	-0.88838	-2.14293	0.0708	0.863101	DOWN	593.7973	593.7971	593.7977	9.5098	9.416817
686	M917T11_	1.990994	-0.99349	-2.38793	0.070838	0.863101	DOWN	917.0326	917.0317	917.0332	10.6171	10.61192
687	M349T9_7	1.733556	-0.79373	-2.18094	0.070955	0.863103	DOWN	348.7221	348.7216	348.7225	9.498117	9.40135
688	M647T9_1	3.747922	-1.90609	-2.35789	0.07103	0.863104	DOWN	646.5967	646.5877	646.5978	9.166033	9.129317
689	M778T10_	1.268902	-0.34358	-2.08187	0.071143	0.863106	DOWN	778.0816	778.0805	778.0825	9.942317	9.843367
690	M197T10_	1.195433	-0.25753	-2.17114	0.071156	0.863106	DOWN	197.3305	197.3238	197.3308	9.828367	9.699733
691	M502T9_8	1.371352	-0.4556	-2.08313	0.07117	0.863107	DOWN	502.4022	502.4019	502.4027	9.355917	9.249433
692	M336T10_	3.254223	1.702313	2.380813	0.071404	0.86311	UP	336.2303	336.2294	336.2307	9.932033	9.885167
693	M221T9_1	1.6728	-0.74227	-2.21073	0.07147	0.863111	DOWN	221.484	221.4821	221.4847	9.22995	9.132267
694	M426T22	1.438289	-0.52435	-2.12072	0.071511	0.863112	DOWN	426.3057	426.3052	426.3069	21.5535	21.4795
695	M197T43_	1.439253	0.52532	2.152718	0.071599	0.863113	UP	197.1533	197.1533	197.1534	43.1	42.98483
696	M642T10_	1.720306	0.782665	2.342606	0.071738	0.863116	UP	641.8564	641.8555	641.8571	10.1174	10.02042
697	M996T26	1.445378	-0.53145	-2.0773	0.071772	0.863116	DOWN	995.6928	995.6917	995.6933	26.32675	26.31767
698	M503T9_6	2.009605	-1.00691	-2.09444	0.071975	0.863119	DOWN	503.188	503.1813	503.1887	9.3494	9.18195
699	M700T9_4	1.594257	-0.67288	-2.07539	0.072109	0.863121	DOWN	700.4446	700.4445	700.4449	9.29345	9.234417

700	M478T13_	1.689479	-0.75658	-2.1034	0.072115	0.863121	DOWN	478.3395	478.3387	478.3412	13.22963	13.2
701	M441T16	1.561902	-0.6433	-2.20563	0.072163	0.863122	DOWN	440.802	440.8018	440.8026	16.0674	16.06475
702	M247T18	6.65667	-2.7348	-2.42249	0.072188	0.863123	DOWN	247.1649	247.1648	247.1652	18.21683	18.20817
703	M529T9_5	8.148036	-3.02645	-2.38896	0.07221	0.863123	DOWN	529.3701	529.37	529.371	8.658083	8.586967
704	M352T41_	1.203549	-0.2673	-2.12678	0.07232	0.863125	DOWN	352.1964	352.1964	352.1966	41.4455	41.35917
705	M669T9_1	1.448547	-0.53461	-2.07054	0.072387	0.863126	DOWN	668.6664	668.6655	668.6681	9.2796	9.1445
706	M655T9_4	2.037362	-1.0267	-2.06873	0.0724	0.863126	DOWN	655.4794	655.4788	655.4804	9.3332	9.24215
707	M1154T12	1.802877	-0.8503	-2.07721	0.072615	0.863129	DOWN	1154.104	1154.104	1154.106	12.24459	12.19282
708	M281T43_	1.293727	-0.37153	-2.06878	0.072676	0.86313	DOWN	281.1744	281.1743	281.1744	42.53883	42.40917
709	M227T12_	2.639449	-1.40024	-2.06997	0.072749	0.863131	DOWN	227.1062	227.1001	227.1066	11.90352	11.69913
710	M896T12	1.676883	-0.74578	-2.10723	0.072828	0.863132	DOWN	896.4712	896.4706	896.4724	11.59143	11.57545
711	M225T17	1.524658	-0.60849	-2.14346	0.072836	0.863133	DOWN	225.1959	225.1958	225.196	16.88467	16.86967
712	M865T9	2.648105	-1.40496	-2.27649	0.072887	0.863133	DOWN	864.5204	864.5198	864.5215	9.254167	9.1175
713	M423T11_	1.823733	0.866895	2.076759	0.073001	0.863135	UP	422.9935	422.9934	423.0032	10.90197	10.88995
714	M216T10_	1.901846	0.9274	2.158651	0.073029	0.863136	UP	216.1827	216.1748	216.1827	9.970617	9.715683
715	M592T10_	4.520951	2.176626	2.414471	0.073047	0.863136	UP	592.3995	592.3992	592.3997	9.967367	9.8914
716	M592T10_	1.48105	-0.56662	-2.15583	0.073122	0.863137	DOWN	592.4685	592.4678	592.4702	9.896717	9.806367
717	M340T11_	2.657108	1.409857	2.191325	0.073129	0.863137	UP	339.5387	339.5385	339.5389	10.87572	10.82935
718	M495T9_2	1.41721	-0.50305	-2.10033	0.073294	0.86314	DOWN	494.5277	494.527	494.5291	8.8398	8.75965
719	M234T9_3	1.489796	-0.57512	-2.06326	0.073303	0.86314	DOWN	233.7966	233.7939	233.7978	9.296325	9.13445
720	M378T9_4	1.398274	-0.48365	-2.05933	0.07344	0.863142	DOWN	377.6992	377.6978	377.7062	9.189117	9.129317
721	M324T10_	2.030103	1.021553	2.276155	0.073536	0.863143	UP	324.1006	324.0999	324.1009	9.74925	9.715683
722	M1606T9	1.51897	-0.60309	-2.0798	0.073611	0.863144	DOWN	1606.342	1606.339	1606.349	9.269283	9.129317
723	M590T9_3	1.869872	-0.90294	-2.16551	0.073784	0.863147	DOWN	590.3659	590.3643	590.3665	9.275917	9.234417
724	M315T39_	1.235785	0.305428	2.286274	0.073816	0.863147	UP	315.18	315.1798	315.1801	39.05275	38.94217
725	M340T10_	1.35955	-0.44313	-2.1044	0.073858	0.863148	DOWN	340.034	340.0336	340.0344	9.823592	9.715683
726	M780T10_	1.967229	-0.97617	-2.32534	0.073893	0.863149	DOWN	779.7016	779.7	779.703	9.95515	9.869467
727	M251T9_2	1.742267	-0.80097	-2.09613	0.074143	0.863152	DOWN	250.7215	250.719	250.723	9.295167	9.1322
728	M791T11_	1.50616	-0.59088	-2.05854	0.074235	0.863154	DOWN	790.9932	790.9922	790.9941	10.5188	10.47197
729	M504T10_	1.356778	-0.44018	-2.05165	0.074322	0.863155	DOWN	504.1762	504.176	504.1766	9.932	9.827283
730	M620T33_	1.119497	-0.16285	-2.26622	0.074433	0.863156	DOWN	620.3636	620.3635	620.364	32.9505	32.80683
731	M350T39_	1.297759	0.376022	2.074599	0.074457	0.863157	UP	350.2172	350.217	350.2174	39.47458	39.12933
732	M636T10_	2.826285	1.498907	2.2718	0.074566	0.863158	UP	635.8077	635.8072	635.8106	9.8207	9.73145
733	M624T10_	1.970462	-0.97853	-2.358	0.074706	0.86316	DOWN	624.3731	624.3723	624.3749	10.31602	10.2501
734	M546T40_	1.279059	0.355083	2.073695	0.074763	0.863161	UP	546.327	546.3268	546.3271	39.84867	39.704

735	M190T9_2	1.812854	-0.85826	-2.04955	0.074798	0.863162	DOWN	189.5556	189.5554	189.5561	9.311167	9.132267
736	M218T10_	1.509715	-0.59428	-2.1039	0.074798	0.863162	DOWN	217.5363	217.5348	217.5369	9.842	9.7124
737	M609T12	1.836616	0.87705	2.188009	0.0748	0.863162	UP	609.3987	609.3984	609.3987	11.68839	11.6717
738	M731T11_	1.569554	-0.65036	-2.1485	0.07485	0.863163	DOWN	731.4965	731.4947	731.4976	10.53258	10.4704
739	M372T26	1.68864	-0.75586	-2.07554	0.074854	0.863163	DOWN	372.3298	372.3294	372.3304	26.40533	26.36217
740	M637T11_	1.698649	-0.76439	-2.19289	0.074874	0.863163	DOWN	637.305	637.3036	637.3059	10.71272	10.67805
741	M264T11_	3.702871	-1.88864	-2.35867	0.074985	0.863164	DOWN	263.8246	263.8245	263.8253	10.86253	10.8214
742	M323T9_7	1.510125	-0.59467	-2.21813	0.074997	0.863165	DOWN	323.454	323.4537	323.4622	9.353875	9.275917
743	M505T11_	1.821862	-0.86541	-2.36918	0.07511	0.863166	DOWN	505.1709	505.1592	505.172	11.21303	10.95055
744	M415T9_5	1.461237	-0.54719	-2.06287	0.075231	0.863168	DOWN	415.0984	415.0976	415.0994	9.2723	9.1445
745	M278T11_	2.439561	-1.28662	-2.07724	0.0753	0.863169	DOWN	277.7664	277.7664	277.7664	10.90548	10.879
746	M473T29	1.641225	-0.71477	-2.34548	0.075446	0.863171	DOWN	473.335	473.3346	473.3354	29.11467	29.06917
747	M528T17_	10.27182	3.36062	2.382079	0.075622	0.863174	UP	528.2368	528.2367	528.2372	17.14667	17.1305
748	M547T24	1.535842	-0.61903	-2.04938	0.075655	0.863174	DOWN	547.4659	547.4653	547.4664	23.58717	23.56533
749	M910T10	1.576549	-0.65677	-2.19515	0.07588	0.863177	DOWN	909.8062	909.8057	909.8066	9.960817	9.843367
750	M430T9_1	1.421958	-0.50788	-2.11762	0.076018	0.863179	DOWN	430.4521	430.451	430.4546	9.311883	9.129317
751	M201T9_1	1.438445	-0.52451	-2.04017	0.076042	0.863179	DOWN	200.9773	200.9767	200.9776	9.388367	9.250817
752	M206T10_	1.319624	-0.40013	-2.04406	0.07609	0.86318	DOWN	205.5684	205.5682	205.5685	9.82645	9.787433
753	M561T9_1	1.993632	-0.9954	-2.12835	0.076101	0.86318	DOWN	561.3442	561.3431	561.3448	9.275917	9.219483
754	M263T10_	1.33878	-0.42092	-2.30825	0.076173	0.863181	DOWN	262.8743	262.8741	262.8744	9.841858	9.683817
755	M214T17	1.322215	-0.40296	-2.03604	0.076344	0.863184	DOWN	214.0893	214.0893	214.0894	16.97183	16.92817
756	M193T9_4	1.634005	-0.70841	-2.19398	0.076355	0.863184	DOWN	192.9175	192.9167	192.9176	9.40325	9.295817
757	M397T37_	1.044678	-0.06306	-2.11674	0.076378	0.863184	DOWN	397.3309	397.3307	397.3311	36.92625	36.91333
758	M925T9_2	1.364882	-0.44878	-2.03434	0.076379	0.863184	DOWN	925.1551	925.1545	925.1554	9.328967	9.175017
759	M359T9_2	2.054547	-1.03882	-2.07955	0.076409	0.863185	DOWN	358.7024	358.7019	358.7026	9.275917	9.24215
760	M182T10_	1.659655	0.730884	2.038016	0.076467	0.863185	UP	182.471	182.4708	182.4711	9.824183	9.715683
761	M309T10_	2.573899	1.363955	2.221017	0.07651	0.863186	UP	309.1679	309.1675	309.1682	9.979342	9.8753
762	M614T9_3	1.269887	-0.3447	-2.05143	0.076576	0.863187	DOWN	614.3431	614.3428	614.3433	9.289925	9.219483
763	M1723T10	1.293069	-0.3708	-2.04023	0.076701	0.863189	DOWN	1723.15	1723.147	1723.156	9.886608	9.827283
764	M314T13_	1.870379	0.903331	2.055395	0.076725	0.863189	UP	314.2016	314.2013	314.2021	13.3618	13.33217
765	M739T10_	1.757416	-0.81346	-2.17155	0.076853	0.863191	DOWN	739.2226	739.2224	739.2229	9.9847	9.9009
766	M382T9_2	1.513273	-0.59767	-2.03258	0.07687	0.863191	DOWN	381.6576	381.657	381.6582	8.868383	8.712633
767	M580T9_4	5.011608	2.325274	2.33011	0.076937	0.863192	UP	579.9894	579.9889	579.9899	9.317	9.235933
768	M359T9_4	1.785064	-0.83598	-2.19289	0.07695	0.863192	DOWN	359.0241	359.0231	359.0243	9.311883	9.234417
769	M539T10_	1.738751	0.798051	2.033904	0.076969	0.863192	UP	538.6788	538.6784	538.6792	9.910683	9.811217

770	M378T10_	1.612178	-0.68901	-2.04297	0.076979	0.863192	DOWN	378.2886	378.2874	378.2893	10.0807	10.05935
771	M492T13	1.571905	-0.65251	-2.28996	0.077065	0.863194	DOWN	492.3307	492.3301	492.3307	12.61638	12.60358
772	M702T10_	1.768246	0.822319	2.098462	0.077091	0.863194	UP	701.6576	701.6521	701.6589	9.746783	9.696683
773	M209T10_	1.257441	-0.33049	-2.12379	0.077099	0.863194	DOWN	209.1867	209.1866	209.1868	9.816142	9.715683
774	M1867T10	1.213911	-0.27966	-2.12923	0.077128	0.863194	DOWN	1866.531	1866.53	1866.54	9.8397	9.715683
775	M331T9_6	1.683987	-0.75188	-2.20699	0.077143	0.863195	DOWN	330.9775	330.977	330.9776	9.296458	9.234417
776	M396T9_1	1.363821	-0.44765	-2.04131	0.07722	0.863196	DOWN	396.4099	396.4092	396.4116	9.294467	9.129317
777	M315T9_4	1.716349	-0.77934	-2.11405	0.077369	0.863198	DOWN	314.8588	314.8585	314.86	9.311525	9.1445
778	M674T10_	1.532626	0.616006	2.028678	0.077386	0.863198	UP	674.455	674.454	674.4551	10.39007	10.36838
779	M500T9_2	2.20329	-1.13966	-2.09459	0.077561	0.8632	DOWN	499.6911	499.6898	499.6915	9.348817	9.234417
780	M386T25	1.228543	0.296949	2.19219	0.077583	0.863201	UP	386.3454	386.3453	386.3456	24.56558	24.55033
781	M202T15	9.716402	3.280422	2.341092	0.077587	0.863201	UP	202.2162	202.216	202.2163	15.14961	15.11695
782	M174T9_2	1.446863	-0.53293	-2.04916	0.077639	0.863201	DOWN	174.0798	174.0794	174.0805	9.26575	9.160617
783	M456T10_	1.393881	-0.47911	-2.06174	0.077726	0.863203	DOWN	456.3341	456.3335	456.3351	10.45667	10.3828
784	M523T9_6	1.453189	-0.53922	-2.05228	0.078005	0.863206	DOWN	523.4805	523.4796	523.4813	9.262217	9.129317
785	M162T10_	1.956956	-0.96861	-2.11922	0.078252	0.86321	DOWN	162.2643	162.2542	162.2644	9.91765	9.822117
786	M418T9_1	1.450064	-0.53612	-2.0752	0.078304	0.86321	DOWN	418.3766	418.3765	418.3769	9.26575	9.1445
787	M262T12	1.797258	0.845798	2.056993	0.078317	0.86321	UP	262.1411	262.141	262.1412	11.82952	11.78683
788	M576T31	1.212916	-0.27848	-2.1135	0.078409	0.863212	DOWN	576.4103	576.4101	576.4107	31.436	31.42133
789	M784T10_	1.552089	-0.63421	-2.02828	0.07842	0.863212	DOWN	783.9154	783.9153	783.9162	9.903017	9.811217
790	M313T10_	1.811115	-0.85688	-2.13833	0.078504	0.863213	DOWN	312.5873	312.587	312.5875	9.510875	9.432533
791	M327T43_	1.392467	-0.47764	-2.14422	0.078537	0.863213	DOWN	327.18	327.1798	327.18	43.22892	43.1285
792	M235T9_1	1.494601	-0.57976	-2.04135	0.078545	0.863213	DOWN	235.4187	235.4186	235.4188	9.310917	9.146383
793	M430T43_	1.347517	-0.4303	-2.03149	0.078612	0.863214	DOWN	430.2433	430.2431	430.2436	43.32275	43.2855
794	M213T11_	2.532949	-1.34082	-2.2782	0.078667	0.863215	DOWN	212.9448	212.9375	212.9451	10.86773	10.8214
795	M528T18	13.99072	3.806399	2.347571	0.078687	0.863215	UP	528.237	528.2369	528.2372	17.86917	17.85633
796	M680T10_	3.864364	1.950231	2.014636	0.078817	0.863217	UP	679.5332	679.529	679.5406	10.02773	9.772883
797	M341T38	1.082887	-0.11488	-2.04584	0.078868	0.863218	DOWN	341.3048	341.3047	341.3051	37.6905	37.676
798	M270T19_	1.787016	-0.83755	-2.21245	0.078885	0.863218	DOWN	270.1008	270.1006	270.1009	19.31567	19.28883
799	M436T9_2	1.581813	-0.66158	-2.07454	0.078892	0.863218	DOWN	435.6031	435.6024	435.6052	9.297008	9.129317
800	M181T13	1.577226	0.657389	2.014121	0.078892	0.863218	UP	181.1695	181.1694	181.1697	13.44886	13.42028
801	M163T10_	2.419229	1.274547	2.245625	0.078905	0.863218	UP	162.8421	162.8419	162.8424	9.949233	9.843367
802	M314T9_5	1.446904	-0.53297	-2.05188	0.079298	0.863223	DOWN	313.9431	313.9427	313.9434	8.94795	8.863633
803	M269T9	1.802949	-0.85036	-2.01241	0.079374	0.863224	DOWN	269.3898	269.3887	269.3905	9.250083	9.22495
804	M557T10_	1.202148	-0.26561	-2.06458	0.079419	0.863225	DOWN	557.2116	557.2112	557.2126	9.945258	9.843367

805	M563T9_2	2.729072	-1.44841	-2.2143	0.079421	0.863225	DOWN	563.2305	563.2304	563.2308	9.488133	9.447983
806	M627T10_	1.240484	-0.3109	-2.06264	0.079682	0.863228	DOWN	627.4481	627.4467	627.4488	10.21651	10.15473
807	M593T10_	1.847927	-0.88591	-2.08672	0.079933	0.863231	DOWN	593.2118	593.2099	593.2127	9.9351	9.8378
808	M398T9_3	1.737568	0.79707	2.005038	0.079984	0.863232	UP	397.9964	397.9949	397.9977	9.25395	9.048117
809	M251T9_3	1.681345	-0.74962	-2.03719	0.079997	0.863232	DOWN	250.8121	250.811	250.8135	9.322292	9.175017
810	M455T9_2	3.764467	-1.91245	-2.2592	0.080028	0.863233	DOWN	454.5339	454.5267	454.5409	9.303525	9.191283
811	M675T21	1.864709	0.89895	2.292791	0.080156	0.863234	UP	675.3349	675.3342	675.3352	20.62	20.548
812	M825T10_	1.881123	-0.91159	-2.02508	0.08027	0.863236	DOWN	825.4894	825.4885	825.4898	9.613367	9.566767
813	M248T18	2.505741	-1.32524	-2.22707	0.08045	0.863238	DOWN	248.1681	248.1681	248.1683	18.2235	18.218
814	M699T9_7	1.550619	-0.63284	-2.14294	0.080487	0.863238	DOWN	699.4879	699.4878	699.4881	9.318283	9.129317
815	M224T9_3	1.858954	0.894491	2.002067	0.080512	0.863239	UP	224.1634	224.1621	224.1652	8.830042	8.620783
816	M440T11_	1.436704	-0.52276	-2.03506	0.080516	0.863239	DOWN	439.8452	439.8447	439.8462	10.93338	10.90197
817	M639T10_	1.356128	0.439493	1.999859	0.080539	0.863239	UP	639.133	639.1325	639.1336	10.40322	10.34372
818	M1179T10	1.387972	0.472978	2.03832	0.080548	0.863239	UP	1178.977	1178.976	1178.978	9.872167	9.683817
819	M520T40_	1.41364	0.499414	2.116256	0.08064	0.86324	UP	520.3113	520.3108	520.3114	39.84858	39.77667
820	M611T12	1.503192	0.588029	2.035227	0.080794	0.863242	UP	611.4058	611.4054	611.4065	11.70442	11.66582
821	M1559T10	1.245024	-0.31617	-2.08943	0.0808	0.863242	DOWN	1558.579	1558.576	1558.58	9.932983	9.843367
822	M449T11_	2.49827	-1.32093	-2.27473	0.080821	0.863242	DOWN	449.444	449.4435	449.4445	10.91987	10.8646
823	M662T10_	2.171602	1.11876	2.045067	0.080822	0.863242	UP	661.5218	661.521	661.5219	9.82645	9.80415
824	M194T9_8	1.636887	-0.71096	-2.02198	0.081264	0.863248	DOWN	193.9159	193.9156	193.916	9.3735	9.29345
825	M508T38_	1.247022	-0.31849	-1.99246	0.081476	0.863251	DOWN	508.3111	508.3108	508.3113	37.65458	37.57533
826	M350T10_	1.118814	-0.16197	-1.99473	0.081615	0.863252	DOWN	350.1364	350.1362	350.1366	9.8207	9.715683
827	M766T12	1.967184	-0.97613	-2.01084	0.081626	0.863252	DOWN	766.0422	766.0409	766.0434	12.2371	12.19282
828	M566T10_	1.37727	-0.46181	-2.07516	0.081687	0.863253	DOWN	565.6668	565.6661	565.6675	9.990767	9.90755
829	M399T9_4	2.81534	1.493309	2.257012	0.081733	0.863254	UP	398.8741	398.8737	398.8782	9.38665	9.078567
830	M554T10_	2.30386	1.204053	2.203487	0.08199	0.863257	UP	553.5007	553.5003	553.5015	9.973683	9.8914
831	M273T9_1	1.652258	-0.72444	-2.12888	0.082063	0.863258	DOWN	272.6136	272.6133	272.6137	8.834633	8.7575
832	M193T10_	1.768656	-0.82265	-2.2523	0.082063	0.863258	DOWN	192.689	192.6889	192.6892	9.919058	9.853533
833	M575T10_	1.390737	-0.47585	-2.00417	0.082064	0.863258	DOWN	574.5946	574.594	574.5951	9.902008	9.811217
834	M1785T10	1.612727	-0.6895	-2.07814	0.08212	0.863258	DOWN	1785.242	1785.241	1785.247	9.8207	9.715683
835	M402T11_	4.185023	2.065236	2.050304	0.082264	0.86326	UP	402.1614	402.1588	402.1681	10.90765	10.86155
836	M244T9_4	1.641862	-0.71533	-1.98712	0.082271	0.86326	DOWN	243.766	243.7647	243.7682	9.204617	9.078567
837	M706T10_	1.461148	0.547102	2.058707	0.082297	0.86326	UP	706.0097	706.009	706.01	9.960817	9.859233
838	M621T9_4	2.50053	-1.32223	-2.05372	0.082444	0.863262	DOWN	621.3187	621.317	621.3194	8.787267	8.712633
839	M506T42_	1.797581	0.846057	1.989091	0.082619	0.863264	UP	506.2593	506.2593	506.2594	42.43817	42.35183



840	M221T9_5	8.162133	-3.02895	-2.29294	0.082667	0.863265	DOWN	220.7763	220.7694	220.7793	9.224517	9.089733
841	M456T11_	1.397849	-0.48321	-2.01089	0.082752	0.863266	DOWN	455.6196	455.6161	455.6197	10.94208	10.90765
842	M1460T10	1.509818	-0.59437	-2.17249	0.082868	0.863267	DOWN	1460.431	1460.43	1460.432	9.9847	9.90755
843	M1878T10	1.339751	-0.42197	-1.98079	0.082968	0.863268	DOWN	1878.386	1878.384	1878.388	9.830283	9.7124
844	M1095T10	1.695123	0.76139	2.066914	0.082994	0.863269	UP	1094.804	1094.803	1094.805	9.872883	9.743767
845	M602T10_	1.56391	-0.64516	-1.97989	0.083314	0.863272	DOWN	602.3015	602.3011	602.3017	9.598292	9.510117
846	M450T39_	1.090986	-0.12563	-2.00994	0.083361	0.863273	DOWN	450.2333	450.2331	450.2335	38.55367	38.49617
847	M610T12	1.853297	0.890094	2.148217	0.083368	0.863273	UP	610.4022	610.4018	610.4024	11.68691	11.6717
848	M289T23_	1.62484	0.700298	2.070025	0.083403	0.863273	UP	288.7764	288.7736	288.7789	22.91483	22.84233
849	M520T43_	1.375665	-0.46013	-2.04529	0.083641	0.863276	DOWN	520.2749	520.2747	520.2751	42.53883	42.38067
850	M219T9_1	1.587651	-0.66689	-2.04808	0.083981	0.86328	DOWN	218.5587	218.5573	218.5589	9.40325	9.219483
851	M595T11_	1.739139	-0.79837	-1.97302	0.084112	0.863282	DOWN	595.4772	595.4767	595.4778	11.46178	11.42372
852	M193T10_	1.531891	-0.61531	-2.00828	0.08419	0.863283	DOWN	192.7781	192.778	192.7783	9.92825	9.827283
853	M208T10_	2.289464	-1.19501	-2.12546	0.084201	0.863283	DOWN	207.7605	207.7603	207.7683	9.82645	9.715683
854	M708T10_	1.412802	-0.49856	-2.02786	0.084247	0.863283	DOWN	708.4245	708.4228	708.4253	10.05906	9.98005
855	M221T9_1	2.502748	-1.32351	-2.07892	0.084389	0.863285	DOWN	221.1886	221.1868	221.1893	9.257575	9.146383
856	M461T21	1.722839	0.784788	2.076987	0.084426	0.863285	UP	461.3451	461.3448	461.3456	20.77817	20.73683
857	M556T10_	2.119678	-1.08385	-2.20707	0.084458	0.863286	DOWN	555.8554	555.8546	555.8559	10.13295	10.02042
858	M724T21	1.287241	-0.36428	-1.98559	0.084532	0.863286	DOWN	724.4822	724.4818	724.4829	21.21633	21.20783
859	M392T11_	1.560418	-0.64193	-1.96768	0.084819	0.86329	DOWN	391.7248	391.7246	391.7249	10.88995	10.84767
860	M418T10_	1.451656	-0.5377	-2.00307	0.084839	0.86329	DOWN	417.9955	417.9954	417.9961	9.904767	9.8378
861	M207T9_1	2.345821	1.230093	2.086452	0.085076	0.863293	UP	207.0357	207.035	207.0364	9.25985	9.174967
862	M1572T10	1.754894	-0.81138	-2.07946	0.085083	0.863293	DOWN	1572.262	1572.253	1572.266	9.938075	9.822117
863	M518T9_2	1.711203	-0.77501	-1.96771	0.085145	0.863293	DOWN	518.195	518.1946	518.1959	9.241708	9.160467
864	M526T9_6	3.531697	1.820362	2.219741	0.085498	0.863297	UP	526.3391	526.3381	526.3423	9.238858	9.147367
865	M875T11	1.471918	-0.5577	-1.96255	0.08573	0.8633	DOWN	875.4458	875.4454	875.4468	10.90659	10.89355
866	M184T9_4	1.910557	-0.93399	-2.1357	0.085735	0.8633	DOWN	183.874	183.8737	183.8744	9.205717	9.174883
867	M220T9_3	1.862737	-0.89742	-1.96319	0.085736	0.8633	DOWN	219.5889	219.5878	219.5896	9.311525	9.103733
868	M636T11_	1.277447	-0.35326	-1.98388	0.085744	0.8633	DOWN	636.4784	636.4777	636.4788	11.41303	11.37965
869	M244T9_8	1.707775	-0.77212	-1.95838	0.085877	0.863301	DOWN	244.1611	244.1597	244.1622	9.321458	9.1322
870	M343T11_	1.694683	0.761015	2.078816	0.085941	0.863302	UP	342.6399	342.6397	342.64	10.8628	10.83572
871	M472T9_4	1.554351	-0.63631	-1.95674	0.086232	0.863305	DOWN	471.9128	471.9124	471.9261	9.3261	9.279417
872	M667T11	1.432157	-0.51819	-1.96701	0.086275	0.863306	DOWN	667.3157	667.3155	667.3163	11.36835	11.30818
873	M415T9_6	3.119102	1.641131	2.205517	0.086276	0.863306	UP	415.1579	415.1559	415.1586	9.379475	9.048117
874	M807T10_	1.416272	-0.5021	-1.99557	0.08628	0.863306	DOWN	806.9665	806.9662	806.9679	10.27719	10.16598

875	M622T9_1	3.340806	-1.7402	-2.07156	0.086342	0.863307	DOWN	621.5696	621.569	621.5707	8.753417	8.697767
876	M169T10_	2.233267	-1.15916	-2.09374	0.086424	0.863307	DOWN	168.7245	168.722	168.7247	9.8445	9.683817
877	M710T9_3	2.827765	-1.49966	-2.14036	0.086462	0.863308	DOWN	709.9349	709.9343	709.9354	8.791683	8.686867
878	M176T10_	1.75033	-0.80763	-1.9636	0.086681	0.86331	DOWN	176.3584	176.3583	176.3585	9.8214	9.715683
879	M715T10_	2.607959	-1.38292	-2.2091	0.086713	0.863311	DOWN	714.7263	714.7248	714.728	10.02345	9.90755
880	M221T10_	1.194907	-0.2569	-1.98942	0.086762	0.863311	DOWN	220.7903	220.7819	220.7908	9.918792	9.827283
881	M260T9_7	1.674676	-0.74388	-1.99337	0.086811	0.863312	DOWN	260.086	260.0841	260.0934	9.357033	9.18975
882	M394T14	1.954296	0.966649	2.09649	0.086812	0.863312	UP	394.2198	394.2195	394.2204	13.76303	13.74103
883	M370T10_	1.630179	-0.70503	-1.96575	0.086871	0.863312	DOWN	369.8412	369.8399	369.8432	9.903567	9.806367
884	M1396T10	1.726081	-0.7875	-2.10084	0.086958	0.863313	DOWN	1396.198	1396.196	1396.2	9.938708	9.8378
885	M577T10_	1.287922	-0.36505	-1.99397	0.086965	0.863313	DOWN	576.8835	576.8833	576.8836	9.954767	9.859233
886	M212T9_1	1.769467	-0.82332	-1.95729	0.087029	0.863314	DOWN	212.1964	212.1935	212.197	9.295817	9.132267
887	M963T10_	1.581227	-0.66104	-1.98618	0.087115	0.863315	DOWN	963.4765	963.476	963.4782	9.61185	9.5731
888	M354T9_5	1.668615	-0.73865	-2.09357	0.087239	0.863316	DOWN	353.8083	353.808	353.8091	8.872733	8.825567
889	M295T9_1	1.481461	-0.56702	-2.02267	0.087338	0.863317	DOWN	294.5477	294.5471	294.549	9.322542	9.234417
890	M668T10_	2.47782	-1.30907	-2.21435	0.08735	0.863317	DOWN	667.8982	667.8974	667.8988	10.4791	10.40882
891	M584T11	1.852279	-0.8893	-1.95267	0.087376	0.863318	DOWN	583.8086	583.8083	583.8089	11.24756	11.2071
892	M429T9_4	1.688196	-0.75548	-2.01995	0.087582	0.86332	DOWN	429.1391	429.1371	429.1397	9.235933	9.061
893	M795T11_	1.43366	-0.5197	-2.01352	0.087808	0.863322	DOWN	795.1331	795.1319	795.1338	10.93752	10.90785
894	M478T10_	1.732394	0.792767	2.036213	0.087884	0.863323	UP	477.6971	477.6969	477.6975	9.95605	9.843367
895	M454T9_6	2.259948	-1.17629	-1.94591	0.08791	0.863323	DOWN	453.6849	453.6802	453.691	9.4812	9.166033
896	M1719T10	1.175147	-0.23284	-2.10515	0.087974	0.863324	DOWN	1719.484	1719.482	1719.486	9.729367	9.636483
897	M378T37	2.115791	1.081197	2.24484	0.088011	0.863324	UP	378.2482	378.2482	378.2483	36.953	36.75633
898	M230T10_	4.065492	2.02343	2.222968	0.088073	0.863325	UP	230.1441	230.1385	230.1442	9.6095	9.49445
899	M617T10_	1.527593	-0.61126	-1.96825	0.088183	0.863326	DOWN	616.7931	616.7924	616.7934	9.637333	9.52595
900	M271T9_2	1.37733	-0.46187	-2.00261	0.088212	0.863326	DOWN	270.6849	270.6848	270.685	8.817708	8.715883
901	M273T9_4	1.562972	-0.64429	-2.08706	0.088319	0.863328	DOWN	272.7569	272.7568	272.7573	8.82795	8.7575
902	M806T11_	1.580091	-0.66001	-1.97667	0.0884	0.863328	DOWN	806.4026	806.4024	806.403	11.13164	11.10768
903	M404T42_	1.421952	-0.50787	-2.06092	0.088411	0.863328	DOWN	404.2639	404.2637	404.2641	41.94917	41.8915
904	M476T10_	2.630668	1.395429	1.949514	0.088424	0.863329	UP	476.4709	476.4708	476.4726	9.746783	9.715683
905	M169T44_	2.167478	1.116017	2.234388	0.088595	0.86333	UP	169.122	169.122	169.122	43.70383	43.63217
906	M470T9_4	1.460782	-0.54674	-2.09953	0.088726	0.863332	DOWN	470.2101	470.2099	470.2104	9.1747	9.159717
907	M318T29_	1.352002	-0.4351	-1.96794	0.088733	0.863332	DOWN	318.3274	318.327	318.3276	29.03917	29.0175
908	M207T9_1	1.538147	-0.62119	-2.08901	0.088853	0.863333	DOWN	207.2779	207.2772	207.2789	9.330642	9.11795
909	M340T10_	2.753808	-1.46143	-1.95264	0.088868	0.863333	DOWN	340.1803	340.1785	340.1839	9.886083	9.80755

910	M222T9_5	1.611744	-0.68862	-1.93797	0.088896	0.863333	DOWN	222.1928	222.1925	222.194	9.300267	9.132267
911	M217T10_	1.308819	-0.38827	-1.9644	0.088915	0.863334	DOWN	217.2566	217.2564	217.2571	9.830283	9.715683
912	M227T9_1	1.92194	-0.94256	-1.93547	0.088966	0.863334	DOWN	227.2503	227.2489	227.251	9.295817	9.1178
913	M747T10_	1.465196	-0.55109	-1.93566	0.088992	0.863334	DOWN	746.9665	746.9656	746.9671	10.39249	10.32768
914	M828T9_4	2.371404	-1.24574	-2.02696	0.089098	0.863336	DOWN	828.2572	828.2561	828.2576	8.798117	8.697767
915	M557T10_	1.47073	-0.55653	-1.98911	0.089141	0.863336	DOWN	557.3461	557.3453	557.3464	10.32034	10.26607
916	M202T11_	1.44675	-0.53282	-1.98955	0.089175	0.863336	DOWN	201.6796	201.6793	201.6798	10.93208	10.89355
917	M811T11_	1.333353	-0.41506	-1.93961	0.089238	0.863337	DOWN	811.3584	811.3577	811.3588	10.54073	10.50338
918	M243T9_5	1.926196	-0.94575	-1.98359	0.089273	0.863337	DOWN	242.9502	242.9475	242.9509	9.204617	9.132267
919	M417T9_5	1.429627	-0.51564	-2.06434	0.089443	0.863339	DOWN	416.9191	416.9186	416.9199	9.296133	9.129317
920	M1002T11	1.663473	-0.7342	-2.0587	0.089498	0.86334	DOWN	1002.446	1002.446	1002.446	11.38408	11.35247
921	M229T11_	1.972195	-0.9798	-2.07219	0.08955	0.86334	DOWN	229.1951	229.195	229.1957	10.89125	10.8628
922	M854T10_	1.822395	-0.86584	-2.0237	0.089561	0.86334	DOWN	854.4239	854.4229	854.425	10.10015	10.04355
923	M183T10_	1.21986	-0.28672	-1.9475	0.089689	0.863342	DOWN	183.1741	183.174	183.1742	9.967367	9.859233
924	M687T11	2.91051	-1.54127	-2.17195	0.089706	0.863342	DOWN	687.4328	687.432	687.4332	10.50917	10.50278
925	M451T9_6	1.336157	-0.41809	-1.94597	0.089859	0.863343	DOWN	451.1096	451.1093	451.1101	9.311883	9.146383
926	M335T9_1	1.534657	-0.61792	-2.0097	0.089866	0.863343	DOWN	334.551	334.5507	334.5514	8.90275	8.802417
927	M859T11	1.453792	-0.53982	-2.03618	0.090206	0.863347	DOWN	859.0084	859.0078	859.0096	10.72995	10.6937
928	M287T39	1.221824	0.289036	1.967209	0.090207	0.863347	UP	287.1486	287.1484	287.1488	39.45883	39.22983
929	M557T11_	1.458092	-0.54408	-2.07725	0.090208	0.863347	DOWN	556.6798	556.6794	556.6817	10.65302	10.629
930	M494T11_	1.763685	-0.81859	-2.00003	0.090232	0.863347	DOWN	494.1112	494.1108	494.1115	10.94406	10.90553
931	M163T10_	1.478633	0.564264	2.00058	0.09027	0.863347	UP	163.1325	163.1324	163.1326	9.918417	9.859233
932	M365T11_	1.665252	-0.73574	-2.14559	0.090295	0.863348	DOWN	365.1453	365.145	365.1455	10.89125	10.8646
933	M896T11_	1.609616	-0.68672	-2.103	0.090546	0.86335	DOWN	896.0276	896.0254	896.0285	10.5297	10.50338
934	M837T12	1.53991	0.622846	1.988184	0.090611	0.863351	UP	836.5707	836.5703	836.5711	12.37287	12.3538
935	M551T9_6	1.528636	-0.61224	-2.17255	0.090644	0.863351	DOWN	551.4334	551.4329	551.4339	9.174967	9.0637
936	M377T10_	1.852262	0.889288	2.021377	0.090645	0.863351	UP	377.2891	377.2883	377.2898	9.970617	9.859233
937	M301T11_	1.686889	0.754365	1.925488	0.090646	0.863351	UP	301.1619	301.1609	301.1621	10.5617	10.49138
938	M356T10_	2.750132	1.459501	2.134577	0.090702	0.863352	UP	356.3925	356.383	356.3928	9.78305	9.7124
939	M365T9_9	1.412745	-0.4985	-1.97665	0.090759	0.863352	DOWN	365.078	365.0777	365.0783	8.863025	8.77435
940	M235T9_3	1.659149	-0.73044	-2.00821	0.090768	0.863352	DOWN	234.6223	234.6199	234.6228	9.311883	9.132267
941	M287T42	1.345803	0.428468	1.998661	0.090806	0.863353	UP	287.1486	287.1485	287.1488	42.1145	41.7475
942	M573T9_4	2.146705	-1.10212	-1.9225	0.090833	0.863353	DOWN	573.3868	573.386	573.3873	9.143633	9.1158
943	M1779T10	1.542972	-0.62571	-2.11019	0.090903	0.863354	DOWN	1779.24	1779.239	1779.242	9.830283	9.715683
944	M620T9_3	2.229642	-1.15681	-1.92284	0.091053	0.863355	DOWN	619.8762	619.875	619.8766	9.26575	9.234417

945	M1863T10	1.835278	-0.876	-2.12231	0.091614	0.863361	DOWN	1863.007	1863.004	1863.01	9.813475	9.728083
946	M856T10_	1.870537	-0.90345	-2.00599	0.091738	0.863362	DOWN	855.7712	855.7709	855.7722	9.958492	9.9009
947	M253T9_5	1.49874	-0.58375	-1.9198	0.09179	0.863362	DOWN	253.1559	253.1526	253.1567	9.329025	9.280767
948	M706T9_1	1.782053	-0.83354	-1.92212	0.091812	0.863362	DOWN	706.0833	706.0823	706.0835	8.849933	8.7891
949	M417T9_1	1.473788	0.559529	1.953721	0.091971	0.863364	UP	417.3221	417.3215	417.3224	9.330217	9.1445
950	M749T11_	1.464197	-0.55011	-1.99115	0.09205	0.863365	DOWN	749.4154	749.4151	749.4159	11.22302	11.19848
951	M579T9_8	1.500261	-0.58521	-1.92652	0.092077	0.863365	DOWN	579.4442	579.4434	579.4461	9.24215	9.12675
952	M188T9_1	3.315399	1.729182	2.135269	0.092115	0.863365	UP	187.6746	187.6736	187.6747	9.365833	9.278717
953	M592T22	1.382126	-0.46689	-1.91414	0.092379	0.863368	DOWN	592.3842	592.3838	592.3849	22.14583	22.13433
954	M430T9_7	1.366923	-0.45093	-2.03938	0.092407	0.863368	DOWN	430.2775	430.2767	430.278	8.88765	8.7891
955	M477T9_3	1.293663	-0.37146	-1.91289	0.092429	0.863368	DOWN	476.6556	476.6551	476.6561	9.352667	9.220933
956	M699T9_2	1.646819	-0.71968	-1.92508	0.092481	0.863369	DOWN	698.9862	698.9859	698.9866	9.18975	9.129317
957	M871T10_	1.30889	-0.38834	-1.92591	0.092663	0.863371	DOWN	871.3094	871.3083	871.3101	9.965892	9.859233
958	M363T9_3	1.411536	-0.49727	-2.03033	0.092693	0.863371	DOWN	362.638	362.637	362.6414	9.3494	9.204617
959	M297T11_	1.292438	-0.3701	-1.92386	0.092851	0.863372	DOWN	296.7852	296.7851	296.7856	10.90628	10.877
960	M686T10_	1.619012	0.695113	1.919329	0.092961	0.863373	UP	685.6651	685.6647	685.6659	9.831467	9.743667
961	M609T11_	4.496793	2.168897	2.134768	0.09302	0.863374	UP	609.4225	609.4209	609.4239	11.47808	11.45398
962	M661T9_3	1.418688	-0.50456	-1.90963	0.093113	0.863375	DOWN	661.4139	661.4132	661.4144	9.317	9.234417
963	M323T9_3	1.556064	-0.6379	-2.00918	0.09312	0.863375	DOWN	322.902	322.9011	322.9068	9.251225	9.053483
964	M592T10_	2.308728	-1.2071	-1.94843	0.09313	0.863375	DOWN	592.2316	592.2308	592.2319	9.60105	9.509533
965	M341T10_	2.367949	1.243638	2.119499	0.093261	0.863376	UP	340.8184	340.8173	340.8237	9.82645	9.76065
966	M277T21	1.205317	-0.26941	-1.98285	0.093317	0.863377	DOWN	277.1796	277.1794	277.1797	20.95025	20.92417
967	M794T10_	1.639987	-0.71368	-2.03134	0.093458	0.863378	DOWN	794.0428	794.0426	794.0434	9.886083	9.806367
968	M204T9_2	1.624087	-0.69963	-1.90356	0.09361	0.863379	DOWN	203.9119	203.9118	203.9122	9.2903	9.129317
969	M860T10	1.387326	-0.47231	-1.92342	0.093701	0.86338	DOWN	859.9327	859.9319	859.9338	9.999517	9.90755
970	M288T23_	1.698105	0.763926	1.901744	0.093722	0.86338	UP	288.1814	288.174	288.1817	22.88583	22.85683
971	M189T9_6	1.777969	-0.83023	-1.96499	0.093903	0.863382	DOWN	188.92	188.9196	188.9205	9.280767	9.146383
972	M598T11	1.570736	-0.65144	-1.96429	0.09392	0.863382	DOWN	597.8335	597.8324	597.8359	10.8937	10.80695
973	M451T10_	2.072155	-1.05113	-1.91203	0.094031	0.863383	DOWN	451.2676	451.2675	451.2681	9.9351	9.933967
974	M423T11_	1.966732	0.9758	1.976819	0.094063	0.863384	UP	423.1458	423.1398	423.1481	10.99775	10.77073
975	M402T11_	1.862307	-0.89709	-1.89881	0.094159	0.863384	DOWN	401.9381	401.9295	401.9427	10.92928	10.87708
976	M475T9_2	1.459051	-0.54503	-1.91765	0.094528	0.863388	DOWN	474.6256	474.6244	474.6259	9.311167	9.129317
977	M791T11_	1.578903	-0.65892	-2.05695	0.094571	0.863388	DOWN	791.4947	791.4931	791.4954	10.53962	10.47197
978	M332T9_4	1.660436	-0.73156	-1.94545	0.09464	0.863389	DOWN	331.9168	331.9167	331.917	9.455367	9.401917
979	M569T11	2.235453	-1.16057	-2.05483	0.094658	0.863389	DOWN	568.6801	568.6783	568.6814	11.14038	11.11987

980	M842T11_	2.578904	-1.36676	-2.07429	0.094784	0.86339	DOWN	841.5255	841.5241	841.5266	11.12933	11.10528
981	M653T27	1.803192	0.850553	1.89989	0.09488	0.863391	UP	653.4065	653.4051	653.4076	27.30233	27.19917
982	M475T10_	3.802149	1.926815	1.994492	0.09519	0.863394	UP	475.2204	475.2169	475.226	9.533767	9.284283
983	M554T9_1	1.985189	-0.98928	-1.89737	0.095279	0.863395	DOWN	553.5196	553.5193	553.5196	9.298683	9.279417
984	M162T9_1	1.762688	-0.81778	-2.11866	0.095311	0.863395	DOWN	161.5631	161.5627	161.5671	9.275917	9.129317
985	M379T20	1.336895	-0.41889	-1.89527	0.095322	0.863395	DOWN	379.1864	379.1863	379.1866	20.17225	20.15783
986	M873T10_	1.458162	-0.54415	-2.05798	0.095353	0.863395	DOWN	872.6986	872.698	872.6989	9.972483	9.8753
987	M839T10_	2.346272	-1.23037	-1.9337	0.095452	0.863396	DOWN	839.4971	839.4967	839.4984	10.041	10.00428
988	M478T20_	1.884477	-0.91416	-1.96557	0.095526	0.863397	DOWN	478.3254	478.324	478.3311	19.95433	19.9125
989	M456T10_	1.688399	-0.75566	-1.9434	0.095582	0.863397	DOWN	456.352	456.3519	456.3522	9.6315	9.509533
990	M230T9	1.634695	-0.70902	-1.90024	0.095716	0.863398	DOWN	229.6298	229.6287	229.6302	9.2368	9.1322
991	M642T18_	1.359892	-0.44349	-1.89008	0.095785	0.863399	DOWN	642.4326	642.4322	642.433	18.16283	18.116
992	M534T42_	1.356789	0.440197	1.94236	0.095837	0.863399	UP	534.2905	534.2903	534.2909	41.81967	41.618
993	M538T9_2	1.342385	-0.4248	-1.92962	0.095921	0.8634	DOWN	538.0052	538.0047	538.0054	9.438833	9.370583
994	M678T10_	4.172912	-2.06105	-2.12671	0.096047	0.863401	DOWN	678.1641	678.1623	678.1659	9.767192	9.65225
995	M372T11_	1.577584	0.657717	2.036638	0.096168	0.863402	UP	371.8364	371.8363	371.8371	10.90553	10.86008
996	M195T9_1	1.443293	-0.52936	-1.93165	0.096173	0.863402	DOWN	195.4235	195.4234	195.4241	9.280767	9.132267
997	M797T31	1.34878	-0.43166	-2.03479	0.096233	0.863403	DOWN	796.5421	796.5419	796.5426	31.25042	31.24817
998	M747T11	1.427261	-0.51325	-1.94264	0.09625	0.863403	DOWN	747.4089	747.4085	747.4093	11.2229	11.19848
999	M1163T12	1.508587	-0.5932	-1.94896	0.096278	0.863403	DOWN	1163.09	1163.089	1163.091	12.22238	12.20873
1000	M436T9_1	2.735191	1.451642	1.893987	0.096321	0.863404	UP	436.402	436.4014	436.4021	9.365833	9.29345
1001	M869T12_	1.317877	-0.39822	-1.97061	0.096365	0.863404	DOWN	869.3996	869.3992	869.4	12.47035	12.4563
1002	M1823T10	1.433991	-0.52004	-2.11919	0.096369	0.863404	DOWN	1822.597	1822.597	1822.599	9.8207	9.715683
1003	M431T19	1.284384	-0.36108	-1.94011	0.096452	0.863405	DOWN	431.2666	431.2664	431.2668	18.953	18.951
1004	M387T10_	3.385994	1.759579	1.901359	0.09649	0.863405	UP	387.1697	387.1671	387.1727	10.04417	9.859233
1005	M684T9_1	1.216597	-0.28285	-1.89024	0.096728	0.863407	DOWN	683.511	683.5105	683.5122	9.22495	9.206
1006	M664T9_1	1.596922	-0.67529	-1.88447	0.096748	0.863407	DOWN	664.0561	664.0555	664.0579	9.46925	9.38595
1007	M485T11_	1.290633	-0.36808	-1.87997	0.096913	0.863409	DOWN	485.2161	485.216	485.2163	10.91386	10.90197
1008	M360T9_1	2.000968	-1.0007	-1.91422	0.096998	0.86341	DOWN	360.4399	360.4397	360.4401	9.275917	9.204617
1009	M527T9_9	2.362478	1.240301	1.912151	0.097229	0.863412	UP	527.0418	527.0399	527.043	9.320875	9.12675
1010	M718T9_3	2.110988	-1.07792	-1.90745	0.097232	0.863412	DOWN	718.37	718.3697	718.3702	9.444692	9.38595
1011	M273T42_	1.271971	-0.34707	-1.91055	0.097247	0.863412	DOWN	273.1693	273.1692	273.1694	41.53192	41.35917
1012	M675T11_	1.53288	-0.61625	-1.88154	0.097276	0.863412	DOWN	675.3628	675.3623	675.3631	11.01157	10.98885
1013	M331T9_1	1.946212	-0.96067	-1.88671	0.097294	0.863412	DOWN	331.2572	331.2571	331.2576	9.100792	9.048117
1014	M1156T11	1.16407	-0.21918	-1.9145	0.097352	0.863413	DOWN	1155.838	1155.838	1155.839	10.5188	10.47223

1015	M605T10_	1.614002	-0.69064	-1.99985	0.097354	0.863413	DOWN	604.9164	604.9158	604.917	9.990767	9.9009
1016	M398T9_1	2.458228	-1.29762	-2.12154	0.097402	0.863413	DOWN	398.4166	398.4164	398.4176	8.97715	8.863633
1017	M564T36	1.361385	-0.44508	-2.05487	0.097438	0.863413	DOWN	564.3013	564.301	564.3016	36.396	36.23117
1018	M877T11	1.656935	-0.72852	-1.8885	0.097489	0.863414	DOWN	877.4412	877.4398	877.4418	10.91813	10.90785
1019	M1606T10	1.663517	-0.73424	-2.00797	0.097538	0.863414	DOWN	1606.354	1606.353	1606.356	9.984083	9.916767
1020	M250T9_7	1.471319	0.55711	2.023135	0.097636	0.863415	UP	250.3023	250.3022	250.3024	8.742483	8.6529
1021	M255T11_	1.691535	-0.75833	-1.87505	0.097677	0.863415	DOWN	254.5787	254.5785	254.5792	10.8926	10.8914
1022	M201T9_1	1.98259	-0.98739	-1.95983	0.097699	0.863416	DOWN	200.8721	200.8712	200.873	9.343517	9.26575
1023	M1225T10	2.849708	-1.51081	-2.0348	0.097906	0.863417	DOWN	1224.755	1224.753	1224.756	10.31602	10.2501
1024	M587T9_5	2.463788	-1.30088	-1.94785	0.098004	0.863418	DOWN	587.3788	587.3775	587.3807	9.3141	9.219483
1025	M497T9_8	1.424575	-0.51053	-1.99949	0.09804	0.863418	DOWN	497.0456	497.0451	497.0458	9.296133	9.129317
1026	M355T10_	1.482752	-0.56828	-2.10775	0.0981	0.863419	DOWN	354.8443	354.8408	354.8447	9.861942	9.699733
1027	M416T11_	1.324547	0.405499	1.880972	0.0981	0.863419	UP	415.6792	415.6789	415.681	10.92828	10.86008
1028	M299T9_2	1.69412	-0.76054	-1.8765	0.098182	0.86342	DOWN	298.7866	298.7848	298.7875	9.295208	9.111033
1029	M526T11	1.339306	-0.42149	-1.98189	0.098194	0.86342	DOWN	526.1678	526.1674	526.1684	10.93655	10.84395
1030	M672T9_3	1.389147	-0.4742	-1.87287	0.098281	0.863421	DOWN	672.2694	672.2687	672.2697	9.311167	9.129317
1031	M470T20	1.3755	-0.45996	-1.91634	0.098298	0.863421	DOWN	470.2856	470.2854	470.2857	20.17667	20.17233
1032	M476T9_1	2.311569	1.208872	2.064701	0.098358	0.863421	UP	476.4185	476.4172	476.4234	9.331175	9.095133
1033	M212T9_6	1.845117	-0.88371	-2.00205	0.098444	0.863422	DOWN	211.9464	211.9457	211.947	9.3735	9.161683
1034	M220T10_	1.703636	-0.76862	-1.93873	0.098467	0.863422	DOWN	219.8852	219.8845	219.8944	9.830283	9.7124
1035	M1181T10	1.638233	0.712141	2.017314	0.098492	0.863422	UP	1181.054	1181.053	1181.056	9.844033	9.747533
1036	M403T7	1.584399	-0.66394	-1.87701	0.098534	0.863423	DOWN	403.1569	403.1568	403.1569	7.12615	7.06105
1037	M324T10_	1.407971	-0.49362	-1.89286	0.098536	0.863423	DOWN	323.8259	323.8256	323.8262	9.740517	9.634283
1038	M1085T10	1.606152	0.683609	2.020352	0.098611	0.863423	UP	1084.743	1084.74	1084.75	9.810125	9.715683
1039	M252T9_2	3.177436	-1.66786	-2.1164	0.098614	0.863423	DOWN	251.5496	251.5455	251.5517	9.121433	9.078567
1040	M966T10_	1.45459	-0.54061	-1.8978	0.098702	0.863424	DOWN	965.5516	965.5509	965.5526	9.94785	9.8378
1041	M401T11_	2.151989	-1.10567	-1.87873	0.098791	0.863425	DOWN	401.0114	401.0072	401.0157	10.92498	10.84395
1042	M885T31	1.510569	-0.59509	-1.96521	0.098842	0.863425	DOWN	884.5945	884.5938	884.5952	31.18017	31.16183
1043	M350T10_	1.871726	0.904369	1.898784	0.098871	0.863425	UP	350.4068	350.4066	350.4072	9.970617	9.859233
1044	M431T9_1	2.481927	1.311461	1.91563	0.098882	0.863426	UP	431.1712	431.1639	431.1767	9.3907	9.3261
1045	M151T10_	1.580293	0.660192	1.899852	0.098983	0.863426	UP	150.6118	150.6071	150.6153	9.821317	9.715683
1046	M468T21	1.621555	-0.69738	-1.92609	0.098985	0.863426	DOWN	468.272	468.2715	468.2724	21.09025	21.079
1047	M370T9_8	1.301515	-0.38019	-1.97206	0.099004	0.863427	DOWN	370.2461	370.2458	370.2469	9.168325	9.126783
1048	M162T10_	1.868157	-0.90162	-1.90693	0.099124	0.863428	DOWN	161.8665	161.8663	161.8749	9.9093	9.746783
1049	M291T10_	1.495256	-0.58039	-1.9028	0.099161	0.863428	DOWN	290.9298	290.9296	290.9299	9.97155	9.8753

1050	M780T10_	2.230249	-1.15721	-2.03638	0.099282	0.863429	DOWN	779.5195	779.5181	779.5205	9.987508	9.923533
1051	M621T31	1.363813	-0.44765	-1.86664	0.09935	0.863429	DOWN	621.4403	621.4397	621.4406	31.40692	31.39283
1052	M313T9_5	1.708614	-0.77283	-1.86946	0.099477	0.86343	DOWN	313.0678	313.0676	313.0681	8.857667	8.75965
1053	M585T11_	1.351724	-0.4348	-1.88093	0.099483	0.86343	DOWN	585.4013	585.4007	585.4016	10.51713	10.47197
1054	M161T10_	1.245759	-0.31703	-1.92773	0.099511	0.863431	DOWN	160.9933	160.9931	160.9935	9.8207	9.699733
1055	M371T9_4	1.701207	-0.76656	-1.91161	0.099597	0.863431	DOWN	371.3017	371.3008	371.3019	8.688517	8.629617
1056	M681T11_	1.247755	-0.31933	-1.86747	0.099618	0.863432	DOWN	681.499	681.4989	681.4995	10.98539	10.96538
1057	M646T9_3	1.577834	-0.65795	-1.86931	0.099747	0.863433	DOWN	646.4278	646.4267	646.4281	9.275617	9.219483
1058	M299T43_	1.782258	-0.83371	-1.904	0.099751	0.863433	DOWN	299.185	299.1849	299.1852	42.61067	42.45267
1059	M504T11_	1.441116	-0.52719	-1.85987	0.100006	0.863435	DOWN	503.7075	503.7037	503.7089	10.9049	10.85018
1060	M215T9_6	1.693587	-0.76008	-1.90037	0.100018	0.863435	DOWN	215.3948	215.3941	215.3951	9.311167	9.160617
1061	M333T10_	1.543277	-0.626	-1.86017	0.100183	0.863436	DOWN	332.6391	332.6389	332.64	9.845483	9.683817
1062	M722T10_	1.57561	-0.65591	-1.99089	0.100191	0.863436	DOWN	721.7114	721.711	721.7121	9.823575	9.728083
1063	M590T9_1	2.099983	-1.07038	-1.86343	0.100198	0.863436	DOWN	590.1401	590.1399	590.1436	9.298683	9.249433
1064	M551T9_3	1.490721	-0.57601	-1.89381	0.100216	0.863436	DOWN	550.8293	550.8274	550.8301	9.251908	9.133667
1065	M707T10_	1.438759	0.524825	1.976979	0.100226	0.863437	UP	706.8852	706.8848	706.8858	9.856867	9.715683
1066	M704T17	3.98846	1.995832	2.102925	0.100412	0.863438	UP	704.3055	704.3054	704.3064	17.26333	17.219
1067	M700T9_1	1.581586	-0.66137	-1.90313	0.10051	0.863439	DOWN	699.5281	699.5275	699.529	9.311883	9.219483
1068	M638T10_	1.275556	-0.35113	-1.89138	0.100523	0.863439	DOWN	638.2021	638.2011	638.2024	9.82645	9.728083
1069	M325T11_	1.963338	0.973308	2.012321	0.100538	0.863439	UP	324.8899	324.8895	324.8899	10.93618	10.9049
1070	M347T10_	5.058391	2.338678	2.094531	0.100612	0.86344	UP	346.9425	346.9424	346.9428	9.872067	9.79065
1071	M455T11_	1.401894	-0.48738	-1.94615	0.100634	0.86344	DOWN	454.8458	454.845	454.8461	11.07605	11.0414
1072	M207T9_2	2.037584	-1.02686	-1.88628	0.100658	0.86344	DOWN	207.3666	207.3662	207.3673	9.219483	9.1175
1073	M660T9_4	1.716638	-0.77959	-1.85478	0.100745	0.863441	DOWN	660.0765	660.0755	660.078	9.22495	9.129317
1074	M613T9_1	1.763601	-0.81852	-1.87139	0.100815	0.863441	DOWN	613.096	613.0942	613.0969	9.084208	9.06855
1075	M558T10_	1.312651	-0.39248	-2.00714	0.100858	0.863442	DOWN	558.2627	558.2622	558.2636	9.947667	9.843367
1076	M536T10_	1.679524	0.748052	1.870515	0.100895	0.863442	UP	535.927	535.9267	535.9275	9.918833	9.811217
1077	M480T9_8	1.347549	-0.43034	-1.87849	0.10098	0.863443	DOWN	480.4277	480.4261	480.4285	9.311167	9.1445
1078	M474T39_	1.77148	-0.82496	-1.88814	0.100987	0.863443	DOWN	474.2695	474.2691	474.2698	38.84867	38.48217
1079	M876T11_	1.427422	-0.51341	-1.91922	0.101194	0.863444	DOWN	876.4493	876.4488	876.4502	10.90551	10.88995
1080	M187T44_	1.543071	0.625804	1.861363	0.101256	0.863445	UP	187.0962	187.0961	187.0964	43.81883	43.72767
1081	M256T10_	1.377143	-0.46168	-1.8723	0.101418	0.863446	DOWN	255.5386	255.5385	255.539	9.9264	9.62055
1082	M510T12	1.42877	-0.51477	-1.9371	0.101422	0.863446	DOWN	510.2498	510.249	510.2502	12.22212	12.20985
1083	M418T11_	1.214641	-0.28053	-1.85037	0.101436	0.863446	DOWN	417.6373	417.6366	417.6382	10.90657	10.879
1084	M636T12	1.422769	-0.5087	-1.91567	0.101503	0.863447	DOWN	636.2926	636.292	636.2938	11.60771	11.58408

1085	M478T40_	1.338365	-0.42047	-1.90175	0.101577	0.863447	DOWN	478.3006	478.3005	478.3009	39.53217	39.38817
1086	M404T19	2.037108	-1.02652	-1.84937	0.101585	0.863447	DOWN	404.3156	404.3153	404.3158	18.55717	18.5295
1087	M557T9_1	1.643556	-0.71682	-1.87122	0.101652	0.863448	DOWN	556.6328	556.6317	556.6338	9.253967	9.130683
1088	M547T10_	1.771451	-0.82493	-2.05376	0.101656	0.863448	DOWN	546.8406	546.84	546.8409	10.12765	10.03658
1089	M353T15_	1.451432	-0.53748	-1.89735	0.101657	0.863448	DOWN	353.2221	353.2219	353.2223	15.16223	15.14527
1090	M436T11_	2.608374	1.383151	2.095938	0.101724	0.863448	UP	435.5477	435.5473	435.5483	10.91289	10.873
1091	M214T9_3	1.596812	-0.67519	-1.92556	0.101805	0.863449	DOWN	213.5769	213.5763	213.5777	9.321425	9.250817
1092	M694T3_2	2.665984	-1.41467	-1.86993	0.101846	0.863449	DOWN	694.4939	694.4936	694.4939	2.76775	2.750983
1093	M299T44_	1.603699	0.681404	1.922112	0.102066	0.863451	UP	299.1487	299.1486	299.1488	44.25475	44.04917
1094	M328T9_1	1.358192	-0.44169	-1.86356	0.102234	0.863452	DOWN	327.5051	327.5047	327.5053	9.328967	9.129317
1095	M516T10_	1.270431	0.345318	1.879061	0.102405	0.863454	UP	516.3098	516.309	516.3145	10.21867	9.995817
1096	M620T10_	1.357543	-0.441	-1.92717	0.102544	0.863455	DOWN	620.3763	620.3753	620.3768	9.818525	9.715683
1097	M1976T10	1.270198	0.345053	1.845364	0.102591	0.863455	UP	1975.853	1975.851	1975.858	9.841308	9.715683
1098	M366T9_4	1.544896	-0.62751	-1.89652	0.102623	0.863455	DOWN	365.7824	365.7821	365.7826	9.388617	9.234417
1099	M293T30_	1.6541	0.726046	1.859445	0.102649	0.863456	UP	292.747	292.7468	292.7472	29.83383	29.805
1100	M518T9_3	1.772531	-0.82581	-1.86245	0.102726	0.863456	DOWN	518.2775	518.2748	518.2838	9.257033	9.160617
1101	M472T10_	3.63674	1.862646	1.91633	0.1028	0.863457	UP	471.7929	471.7927	471.7932	9.931675	9.811217
1102	M686T10_	1.331004	-0.41252	-2.04679	0.102862	0.863457	DOWN	686.3821	686.3816	686.3832	9.816258	9.699733
1103	M401T11_	1.824982	-0.86788	-1.84157	0.102904	0.863458	DOWN	401.0248	401.0218	401.0254	10.92225	10.86275
1104	M234T12	1.558891	0.64052	1.900674	0.102912	0.863458	UP	234.1462	234.1459	234.1462	12.28482	12.26795
1105	M641T10_	1.147187	-0.1981	-1.90925	0.102953	0.863458	DOWN	641.3223	641.3215	641.3252	9.825492	9.728083
1106	M462T45	1.416857	-0.50269	-2.00609	0.103101	0.863459	DOWN	462.2694	462.2691	462.2695	44.5235	44.25033
1107	M665T10_	1.349142	-0.43204	-1.85127	0.103184	0.86346	DOWN	665.3001	665.3	665.3004	10.09283	9.988
1108	M358T10_	1.565507	0.64663	1.940786	0.103277	0.86346	UP	357.8486	357.8472	357.8515	9.842	9.8374
1109	M212T10_	1.228832	-0.29729	-1.84782	0.103282	0.86346	DOWN	211.6501	211.65	211.6502	9.8207	9.715683
1110	M402T11_	2.875953	-1.52404	-1.88314	0.103302	0.863461	DOWN	402.2347	402.2291	402.2435	10.97531	10.83393
1111	M415T25_	3.333832	-1.73718	-1.8432	0.103311	0.863461	DOWN	415.2303	415.2299	415.2305	24.58	24.55033
1112	M712T9_5	1.924778	-0.94469	-1.83875	0.103338	0.863461	DOWN	712.2198	712.2194	712.2206	8.712025	8.601067
1113	M532T10_	1.540863	-0.62374	-1.85684	0.103354	0.863461	DOWN	531.816	531.814	531.8166	9.624117	9.52515
1114	M493T11_	1.441015	-0.52709	-1.92904	0.103356	0.863461	DOWN	493.1741	493.1738	493.1747	11.24971	11.23882
1115	M364T9_3	1.717666	-0.78045	-1.8402	0.103373	0.863461	DOWN	363.82	363.819	363.8207	9.365833	9.174917
1116	M173T9_6	1.593129	-0.67186	-1.94896	0.103576	0.863463	DOWN	173.4698	173.4696	173.47	9.188725	9.146383
1117	M313T42_	1.089693	-0.12392	-1.97182	0.103593	0.863463	DOWN	313.2008	313.2007	313.201	41.73317	41.575
1118	M288T23_	1.460934	0.546891	1.874192	0.10373	0.863464	UP	288.1024	288.0952	288.1035	23.0015	22.87117
1119	M405T21_	1.649748	-0.72225	-1.85817	0.103761	0.863464	DOWN	404.6153	404.6152	404.6153	20.60933	20.57783



1120	M548T9_1	1.58935	-0.66844	-1.9093	0.103777	0.863464	DOWN	547.6872	547.6859	547.6878	9.311167	9.1445
1121	M1318T10	2.421775	-1.27607	-1.99865	0.10378	0.863464	DOWN	1317.762	1317.761	1317.762	10.4705	10.40882
1122	M710T9_6	2.492551	-1.31762	-1.89132	0.103924	0.863465	DOWN	710.2213	710.2197	710.2219	8.791683	8.686867
1123	M313T24	2.94247	1.557028	1.836023	0.10393	0.863465	UP	313.2199	313.2196	313.2202	23.7765	23.74683
1124	M534T25	1.087996	-0.12167	-1.92781	0.103956	0.863466	DOWN	534.2541	534.2537	534.2543	24.60433	24.5795
1125	M440T26	1.479883	-0.56548	-1.99939	0.103989	0.863466	DOWN	440.321	440.3202	440.3213	25.59367	25.56217
1126	M494T10_	1.391883	-0.47704	-1.90214	0.104029	0.863466	DOWN	494.3785	494.3782	494.3791	9.838958	9.62055
1127	M341T10_	1.128752	-0.17473	-1.85373	0.104126	0.863467	DOWN	341.293	341.2926	341.2936	9.823575	9.699733
1128	M212T9_2	1.589685	-0.66874	-1.94649	0.104145	0.863467	DOWN	211.8534	211.8522	211.854	9.417717	9.219483
1129	M368T9_2	1.916164	-0.93822	-1.83811	0.104177	0.863467	DOWN	367.6558	367.6538	367.656	9.355425	9.207667
1130	M347T10_	1.648381	0.72105	1.845085	0.104259	0.863468	UP	347.1832	347.1817	347.1838	10.19043	10.12287
1131	M454T9_1	1.373396	-0.45775	-1.87667	0.104286	0.863468	DOWN	454.3448	454.3445	454.3453	9.298283	9.146383
1132	M223T18	1.45091	-0.53696	-1.94311	0.104288	0.863468	DOWN	223.0962	223.0961	223.0963	18.49692	18.48167
1133	M551T9_4	1.509168	-0.59375	-1.88459	0.104398	0.863469	DOWN	550.9216	550.9188	550.9218	9.328583	9.1445
1134	M401T11_	1.907753	-0.93187	-1.9852	0.104403	0.863469	DOWN	401.0525	401.0443	401.0559	10.8914	10.8646
1135	M362T7	2.815981	-1.49364	-2.06412	0.10452	0.86347	DOWN	362.2409	362.2408	362.2409	7.2745	7.181883
1136	M576T10_	1.512732	-0.59716	-1.84651	0.10454	0.86347	DOWN	576.4751	576.4742	576.4758	9.914217	9.811217
1137	M418T22	1.339764	-0.42198	-1.92791	0.1046	0.86347	DOWN	417.7922	417.7918	417.793	21.53717	21.52
1138	M389T33	1.210191	-0.27523	-1.83588	0.104691	0.863471	DOWN	389.1114	389.1111	389.112	33.06608	33.037
1139	M291T9_2	1.41746	-0.50331	-1.88405	0.104708	0.863471	DOWN	290.591	290.5888	290.5911	9.012525	8.89395
1140	M806T10_	1.589897	-0.66893	-1.86265	0.104752	0.863471	DOWN	806.4235	806.4212	806.4248	9.6413	9.571683
1141	M520T11_	1.470086	0.5559	1.83921	0.104763	0.863472	UP	519.7083	519.7061	519.7086	10.90553	10.88995
1142	M364T10_	1.507504	-0.59216	-1.89473	0.104875	0.863472	DOWN	364.2395	364.2378	364.2399	9.82645	9.699733
1143	M317T9_9	1.692272	-0.75896	-1.85564	0.104913	0.863473	DOWN	317.4875	317.4868	317.4942	9.37735	9.129317
1144	M390T44_	1.389511	-0.47458	-1.98847	0.10494	0.863473	DOWN	390.2483	390.2482	390.2487	43.8305	43.68967
1145	M331T9_9	1.412027	-0.49777	-1.84997	0.105195	0.863475	DOWN	331.2322	331.2319	331.2324	9.314442	9.234417
1146	M335T10_	1.384547	0.469414	1.830233	0.105199	0.863475	UP	334.5207	334.5206	334.5208	9.946367	9.859233
1147	M299T41_	1.446047	-0.53211	-1.99253	0.105276	0.863475	DOWN	299.1487	299.1486	299.1489	41.25125	41.2155
1148	M846T10_	1.414669	-0.50046	-1.83843	0.10528	0.863475	DOWN	846.4065	846.4052	846.4073	9.91875	9.811217
1149	M520T11_	1.771459	-0.82494	-1.83696	0.105306	0.863476	DOWN	519.6264	519.6256	519.6276	10.94208	10.88995
1150	M179T10_	1.590184	-0.66919	-1.92277	0.105317	0.863476	DOWN	179.1066	179.1064	179.1067	9.934533	9.8378
1151	M824T9_2	3.062202	-1.61457	-1.9632	0.105397	0.863476	DOWN	823.9308	823.9282	823.9309	8.837567	8.77435
1152	M340T10_	2.15378	1.106871	1.827755	0.105452	0.863477	UP	340.1593	340.1548	340.1612	9.762917	9.665433
1153	M1438T10	1.603333	-0.68107	-2.01542	0.105479	0.863477	DOWN	1437.628	1437.627	1437.63	9.970617	9.859233
1154	M297T10_	3.693947	1.885163	1.87368	0.105612	0.863478	UP	296.9049	296.9048	296.905	9.999517	9.994767

1155	M657T10_	1.320607	-0.4012	-2.02711	0.105618	0.863478	DOWN	656.8097	656.8092	656.8133	9.827158	9.743667
1156	M179T9_4	2.529021	1.338579	1.852722	0.10567	0.863478	UP	179.2403	179.24	179.2525	9.40255	9.1503
1157	M504T43_	1.137677	-0.18609	-2.02423	0.105708	0.863478	DOWN	504.28	504.2796	504.2801	43.02767	42.94167
1158	M391T11_	1.462552	-0.54849	-1.87949	0.105719	0.863479	DOWN	391.2867	391.2859	391.2918	10.90598	10.83252
1159	M410T9_6	1.528151	-0.61179	-1.91926	0.105762	0.863479	DOWN	410.2483	410.2474	410.2486	9.294467	9.1445
1160	M223T17	1.424833	0.510793	1.89416	0.106227	0.863482	UP	223.169	223.1689	223.1691	17.33633	17.30467
1161	M219T9_1	3.316908	-1.72984	-2.06384	0.106264	0.863482	DOWN	219.1781	219.1763	219.1787	9.22245	9.132033
1162	M568T9_2	1.410267	-0.49597	-1.82047	0.106269	0.863482	DOWN	567.9063	567.906	567.9067	9.176533	9.11405
1163	M375T9_1	1.50372	-0.58854	-1.83592	0.106316	0.863483	DOWN	374.5691	374.5685	374.5704	9.2678	9.1602
1164	M413T9_1	1.558991	-0.64061	-1.87637	0.106372	0.863483	DOWN	413.1545	413.1531	413.157	9.29345	9.129317
1165	M219T11_	1.369329	0.453469	1.826678	0.106389	0.863483	UP	218.9941	218.994	218.9943	10.91977	10.85018
1166	M1125T10_	1.55766	0.639381	2.005968	0.106435	0.863484	UP	1125.088	1125.085	1125.088	9.7987	9.65225
1167	M334T13	5.881827	-2.55626	-1.95948	0.106557	0.863485	DOWN	334.2432	334.2429	334.2433	12.95191	12.92288
1168	M475T11_	1.187557	-0.248	-1.95606	0.10664	0.863485	DOWN	475.1873	475.1868	475.1875	10.91977	10.90785
1169	M546T10_	1.330486	-0.41195	-1.90475	0.106697	0.863486	DOWN	546.1573	546.1563	546.1588	9.946417	9.8378
1170	M277T10_	2.711355	-1.43901	-1.81756	0.106769	0.863486	DOWN	277.4695	277.4692	277.4788	9.837433	9.743767
1171	M452T20_	1.844328	-0.8831	-1.82083	0.106812	0.863486	DOWN	451.9788	451.9776	451.9795	19.85283	19.74383
1172	M399T12_	5.157209	-2.36659	-2.06459	0.106968	0.863487	DOWN	399.1777	399.1775	399.1778	12.04664	12.03217
1173	M506T43	1.859613	0.895002	1.816097	0.106976	0.863488	UP	506.2593	506.2591	506.2595	42.84092	42.71133
1174	M610T9_1	1.589084	-0.6682	-1.81573	0.107011	0.863488	DOWN	610.2467	610.2429	610.2477	9.167733	9.145433
1175	M666T9	1.726775	-0.78808	-1.86425	0.107232	0.863489	DOWN	666.3909	666.3902	666.3912	9.461908	9.38595
1176	M966T11_	1.612498	-0.6893	-1.81466	0.107301	0.86349	DOWN	966.3188	966.3165	966.32	10.92225	10.87487
1177	M609T9_6	1.413651	-0.49943	-1.81309	0.107492	0.863491	DOWN	609.3879	609.3876	609.3887	9.287417	9.219483
1178	M399T9_7	2.216698	-1.14841	-1.82026	0.107532	0.863491	DOWN	399.0951	399.0943	399.1072	9.071467	8.877267
1179	M546T10_	1.514283	-0.59863	-1.82774	0.107574	0.863492	DOWN	545.6609	545.6599	545.6637	10.36388	10.2501
1180	M871T10_	1.456579	-0.54258	-1.82026	0.107623	0.863492	DOWN	870.5289	870.5282	870.5293	10.42597	10.3771
1181	M273T10_	1.681236	-0.74952	-1.87806	0.107859	0.863494	DOWN	273.0127	273.0123	273.0129	9.962692	9.869467
1182	M375T15	1.481479	-0.56704	-1.81217	0.10787	0.863494	DOWN	375.2039	375.2037	375.204	15.16223	15.13058
1183	M423T11_	2.889687	1.530913	1.812731	0.108047	0.863495	UP	423.3264	423.3217	423.3277	10.92541	10.82935
1184	M641T12	2.395361	-1.26024	-1.98426	0.108055	0.863495	DOWN	640.7391	640.7387	640.7397	11.67968	11.67165
1185	M1863T10_	1.436378	-0.52244	-2.01588	0.108056	0.863495	DOWN	1862.796	1862.794	1862.798	9.8207	9.715683
1186	M748T11	1.463918	-0.54983	-1.83902	0.108133	0.863496	DOWN	748.4122	748.4117	748.4126	11.2229	11.19848
1187	M474T39_	1.534533	-0.6178	-1.81243	0.108133	0.863496	DOWN	474.2696	474.2694	474.2698	39.37842	39.33067
1188	M304T23_	1.249144	-0.32094	-1.84643	0.108359	0.863497	DOWN	304.2843	304.2841	304.2844	23.08917	23.05983
1189	M549T9_4	1.501905	-0.58679	-1.94248	0.108501	0.863498	DOWN	549.4906	549.4888	549.4915	9.20785	9.174917

1190	M414T21_	1.892621	-0.92039	-1.85373	0.108541	0.863498	DOWN	413.5344	413.5341	413.5347	20.7385	20.66583
1191	M294T10_	8.151795	3.027118	2.057276	0.108604	0.863499	UP	293.7211	293.7209	293.7245	9.958492	9.840617
1192	M277T10_	1.290338	-0.36775	-1.80576	0.108617	0.863499	DOWN	277.2702	277.2699	277.2705	9.969925	9.859233
1193	M690T11	2.689776	-1.42749	-2.0138	0.108675	0.863499	DOWN	689.9115	689.9105	689.9126	10.57314	10.48782
1194	M1888T10	1.563019	-0.64434	-1.85093	0.10872	0.8635	DOWN	1887.626	1887.623	1887.629	9.830283	9.699733
1195	M626T9_3	1.870518	-0.90344	-1.80486	0.108745	0.8635	DOWN	626.3314	626.3302	626.3323	9.304558	9.234417
1196	M486T14	1.458726	-0.54471	-1.80555	0.108761	0.8635	DOWN	486.2719	486.2717	486.2723	14.05579	14.03383
1197	M1496T10	1.375138	-0.45958	-1.80427	0.108847	0.863501	DOWN	1496.23	1496.228	1496.23	9.887117	9.79065
1198	M213T9_1	7.991516	2.998469	2.046703	0.10889	0.863501	UP	213.1174	213.1165	213.1294	9.354958	9.264333
1199	M1230T20	1.760604	-0.81607	-1.83283	0.109065	0.863502	DOWN	1229.621	1229.62	1229.623	19.67317	19.615
1200	M446T42_	1.187992	-0.24853	-1.90082	0.109091	0.863502	DOWN	446.2383	446.2381	446.2384	41.73317	41.66133
1201	M622T10_	2.215426	-1.14758	-2.00287	0.109167	0.863503	DOWN	621.8949	621.8947	621.8955	10.30985	10.23087
1202	M227T14	1.829406	-0.87138	-1.95473	0.109202	0.863503	DOWN	227.1752	227.1751	227.183	14.28207	14.07797
1203	M753T31	1.266975	-0.34139	-1.8688	0.109232	0.863503	DOWN	752.5157	752.5152	752.5161	31.29142	31.277
1204	M434T9_8	3.390944	1.761687	1.804296	0.109357	0.863504	UP	433.819	433.8152	433.8259	9.221317	9.175017
1205	M953T9_1	1.964214	-0.97395	-1.91398	0.10948	0.863505	DOWN	953.0952	953.0929	953.0954	8.798117	8.767783
1206	M504T45	1.481599	0.567155	1.910364	0.109618	0.863506	UP	504.28	504.2797	504.2802	44.83267	44.59433
1207	M546T9_1	1.706244	-0.77082	-1.98379	0.10967	0.863506	DOWN	545.5088	545.5086	545.5094	9.207133	9.174967
1208	M462T40_	1.818195	-0.86251	-1.87093	0.109735	0.863507	DOWN	462.2694	462.2692	462.2697	40.48875	40.23717
1209	M261T9_3	1.303981	-0.38292	-1.79877	0.109761	0.863507	DOWN	260.9597	260.953	260.9655	9.277967	9.13445
1210	M329T16	2.118448	-1.08301	-1.91459	0.109763	0.863507	DOWN	329.2229	329.222	329.2286	15.69185	15.61447
1211	M306T9_2	1.619696	-0.69572	-1.8326	0.10978	0.863507	DOWN	305.98	305.9797	305.9812	9.311883	9.234417
1212	M1085T10	1.677885	-0.74664	-1.8005	0.109795	0.863507	DOWN	1084.981	1084.981	1084.982	9.809108	9.715683
1213	M423T10_	1.738432	-0.79779	-1.80462	0.109832	0.863507	DOWN	423.3188	423.3142	423.3205	9.943183	9.869467
1214	M282T10_	1.947607	0.961702	1.979045	0.109891	0.863508	UP	282.1472	282.147	282.1477	9.98155	9.8753
1215	M575T10_	1.371114	-0.45535	-1.83123	0.110002	0.863508	DOWN	575.3742	575.3738	575.3752	9.9149	9.79535
1216	M1273T10	2.577186	1.365797	1.927656	0.110053	0.863509	UP	1272.954	1272.951	1272.956	9.960967	9.8914
1217	M1058T10	1.36256	-0.44632	-1.79707	0.110125	0.863509	DOWN	1057.774	1057.771	1057.775	9.970617	9.853533
1218	M211T10_	1.735227	-0.79512	-1.9958	0.110279	0.86351	DOWN	210.6728	210.6727	210.6808	9.816267	9.699733
1219	M583T11	1.669058	-0.73903	-1.89338	0.110342	0.863511	DOWN	583.3552	583.3546	583.3591	11.24743	11.18767
1220	M709T10_	1.360746	-0.4444	-1.79562	0.110539	0.863512	DOWN	708.7005	708.6999	708.7009	9.8397	9.747533
1221	M489T11_	1.738754	-0.79805	-1.88007	0.110606	0.863512	DOWN	489.1988	489.1985	489.1997	11.23463	11.18397
1222	M229T9_2	1.861463	-0.89644	-1.79819	0.110668	0.863513	DOWN	228.5503	228.548	228.5514	9.20785	9.13445
1223	M549T9_2	1.460573	-0.54653	-1.79453	0.110689	0.863513	DOWN	549.1089	549.1043	549.1098	9.29345	9.064833
1224	M886T31	1.523989	-0.60785	-1.84861	0.110715	0.863513	DOWN	885.598	885.5977	885.5993	31.18233	31.1665

1225	M568T10_	1.203144	-0.26681	-1.91873	0.110717	0.863513	DOWN	568.0882	568.0878	568.0884	9.964417	9.859233
1226	M454T9_1	1.816259	-0.86097	-1.79373	0.110721	0.863513	DOWN	454.0944	454.09	454.0985	9.329875	9.132033
1227	M1056T10	1.309858	-0.38941	-1.81459	0.110811	0.863514	DOWN	1056.064	1056.063	1056.071	9.830833	9.728083
1228	M710T9_7	2.37785	-1.24966	-1.87389	0.110831	0.863514	DOWN	710.3645	710.3642	710.3655	8.77255	8.701267
1229	M603T9_1	1.508853	-0.59345	-1.79405	0.111076	0.863515	DOWN	603.1676	603.1658	603.1711	9.246483	9.129317
1230	M1093T10	1.995023	-0.99641	-1.914	0.11117	0.863516	DOWN	1092.676	1092.675	1092.677	10.12955	10.02755
1231	M703T9_1	1.477452	-0.56311	-1.87988	0.111229	0.863516	DOWN	703.3236	703.3232	703.3243	9.474408	9.38595
1232	M393T9_7	1.739884	-0.79899	-1.79338	0.111285	0.863517	DOWN	393.33	393.3284	393.3321	9.249433	9.06855
1233	M238T11_	2.019746	-1.01417	-1.96077	0.111341	0.863517	DOWN	238.1322	238.1319	238.1328	10.94728	10.84767
1234	M323T38	1.071765	-0.09999	-1.82383	0.111368	0.863517	DOWN	323.2943	323.2942	323.2945	37.70483	37.6905
1235	M897T10_	7.794982	2.962546	2.034202	0.111459	0.863518	UP	897.1639	897.1629	897.1643	9.98155	9.8753
1236	M615T10_	1.85364	-0.89036	-1.92364	0.111696	0.86352	DOWN	614.8872	614.8864	614.8881	10.05959	9.964133
1237	M408T9_5	1.450971	-0.53702	-1.88695	0.111708	0.86352	DOWN	408.0882	408.088	408.0884	9.46855	9.432183
1238	M614T8	6.088938	-2.60619	-1.97544	0.111773	0.86352	DOWN	614.2717	614.2716	614.2719	8.464158	8.413783
1239	M316T23_	1.582792	-0.66247	-1.79479	0.11183	0.86352	DOWN	316.4839	316.4837	316.4843	23.04533	23.0015
1240	M229T10_	1.177735	-0.23602	-1.83398	0.111889	0.863521	DOWN	229.4248	229.4247	229.4249	9.95385	9.843367
1241	M616T10_	1.533965	-0.61727	-1.78968	0.111905	0.863521	DOWN	616.318	616.3179	616.3184	10.24579	10.16598
1242	M321T11_	1.250683	-0.32272	-1.81068	0.11212	0.863522	DOWN	321.2209	321.2204	321.2253	10.90765	10.8914
1243	M446T45_	2.281795	-1.19017	-1.94756	0.112225	0.863523	DOWN	446.2383	446.2381	446.2384	44.85417	44.65267
1244	M503T10_	1.319885	0.400413	1.809902	0.112262	0.863523	UP	502.8957	502.8953	502.8962	10.04792	9.955733
1245	M195T9_1	2.190392	-1.13119	-1.79148	0.112713	0.863526	DOWN	194.5769	194.5754	194.5772	9.403375	9.1322
1246	M815T11_	1.872814	-0.90521	-1.7816	0.112812	0.863527	DOWN	815.3223	815.3217	815.3237	11.2194	11.19848
1247	M263T9_3	1.760728	-0.81617	-1.93234	0.112846	0.863527	DOWN	263.1651	263.1642	263.166	9.304558	9.219483
1248	M504T41_	1.908537	0.932467	1.867558	0.112874	0.863527	UP	504.2799	504.2796	504.2802	41.47433	41.2875
1249	M387T9_2	1.377601	-0.46216	-1.78606	0.112918	0.863527	DOWN	387.197	387.1966	387.1981	9.449367	9.370583
1250	M435T9_1	1.291485	-0.36903	-1.79461	0.112919	0.863527	DOWN	435.333	435.3328	435.3332	9.29345	9.146383
1251	M234T11_	2.013573	-1.00976	-1.78278	0.112926	0.863527	DOWN	234.2063	234.2062	234.2064	10.69002	10.67523
1252	M354T15	1.548953	-0.63129	-1.83327	0.113052	0.863528	DOWN	354.2255	354.2251	354.2257	15.16933	15.14527
1253	M493T9_1	1.318948	-0.39939	-1.79825	0.113068	0.863528	DOWN	492.5555	492.5551	492.5558	9.272133	9.1445
1254	M546T43	1.288437	0.365622	1.811082	0.113106	0.863529	UP	546.3269	546.3268	546.3271	43.15	42.99933
1255	M415T10_	1.593917	-0.67258	-1.81767	0.113176	0.863529	DOWN	414.7617	414.7614	414.7622	9.688717	9.5889
1256	M219T9_2	1.481066	-0.56664	-1.78882	0.113183	0.863529	DOWN	218.5812	218.5802	218.5835	9.372008	9.264333
1257	M710T11_	2.003314	-1.00239	-1.83716	0.113253	0.86353	DOWN	709.9474	709.9469	709.9475	10.62492	10.56775
1258	M375T14_	1.27801	-0.3539	-1.77811	0.113277	0.86353	DOWN	374.7921	374.7919	374.7922	13.6974	13.69375
1259	M679T10_	1.857392	-0.89328	-1.88055	0.113288	0.86353	DOWN	678.8899	678.8838	678.8951	9.824233	9.79535

1260	M688T11	3.027144	-1.59796	-1.98767	0.113376	0.86353	DOWN	687.9349	687.9346	687.9359	10.55887	10.52067
1261	M337T9_3	1.683121	-0.75114	-1.80321	0.113486	0.863531	DOWN	336.6272	336.6267	336.6391	9.289067	9.142767
1262	M526T9_1	1.946852	0.961144	1.941659	0.113615	0.863532	UP	525.5328	525.529	525.5338	9.250817	9.11795
1263	M183T13	4.784147	-2.25826	-1.91094	0.113639	0.863532	DOWN	183.1165	183.1161	183.1166	13.45618	13.40577
1264	M702T10_	2.154904	1.107623	1.79048	0.113666	0.863532	UP	701.6021	701.5997	701.6076	9.848417	9.810767
1265	M393T40	1.210406	-0.27549	-1.9955	0.113677	0.863532	DOWN	393.2313	393.2312	393.2315	39.52483	39.2875
1266	M510T11_	1.392423	0.477597	1.845749	0.113683	0.863532	UP	509.9812	509.978	509.982	10.89061	10.7223
1267	M621T9_8	1.463627	-0.54955	-1.84145	0.113831	0.863533	DOWN	621.4792	621.478	621.4816	9.322542	9.234417
1268	M332T15	2.201027	1.138177	1.776301	0.11386	0.863533	UP	332.2217	332.2215	332.2226	15.4096	15.39512
1269	M482T25	1.860094	0.895375	1.786772	0.113963	0.863534	UP	482.3469	482.3463	482.3474	25.40517	25.34783
1270	M200T9_2	3.244623	-1.69805	-1.97674	0.114022	0.863534	DOWN	200.3666	200.3662	200.3674	9.250083	9.146383
1271	M363T9_1	1.635862	-0.71005	-1.78474	0.114034	0.863534	DOWN	363.3442	363.3437	363.3562	9.314442	9.234417
1272	M365T30	3.15319	-1.65681	-1.96805	0.114061	0.863535	DOWN	365.1357	365.1355	365.1359	30.45233	30.437
1273	M358T10_	1.449333	-0.53539	-1.80014	0.114158	0.863535	DOWN	358.4744	358.4742	358.4745	9.960817	9.859233
1274	M340T36	2.469259	1.304078	1.855683	0.114168	0.863535	UP	340.3207	340.32	340.321	35.94908	35.92017
1275	M1023T10	1.726843	-0.78814	-1.77296	0.114189	0.863535	DOWN	1023.069	1023.067	1023.07	9.914217	9.8378
1276	M327T10_	1.177729	0.236008	1.785317	0.114216	0.863536	UP	326.8165	326.8161	326.8169	9.818433	9.715683
1277	M852T10_	1.751102	-0.80826	-1.94402	0.114258	0.863536	DOWN	852.1205	852.1193	852.1206	9.909442	9.806367
1278	M1386T10	1.262302	0.336057	1.868735	0.114281	0.863536	UP	1385.98	1385.978	1385.984	9.830833	9.699733
1279	M243T44_	1.218926	-0.28561	-1.78732	0.114427	0.863537	DOWN	243.1225	243.1223	243.1226	43.69675	43.51717
1280	M1783T10	1.685728	-0.75337	-1.9165	0.114427	0.863537	DOWN	1783.494	1783.494	1783.498	9.830283	9.728083
1281	M434T10_	1.401979	-0.48747	-1.86925	0.114431	0.863537	DOWN	434.0058	434.0045	434.0062	9.964092	9.859233
1282	M482T20	1.661602	-0.73257	-1.77109	0.114496	0.863537	DOWN	482.3236	482.3228	482.3243	20.37533	20.375
1283	M659T10_	1.292667	-0.37035	-1.85332	0.114506	0.863537	DOWN	658.9375	658.9369	658.9392	9.846225	9.743667
1284	M324T9_6	1.590432	-0.66942	-1.79275	0.114543	0.863538	DOWN	323.8622	323.8619	323.8625	8.9177	8.8486
1285	M465T11_	1.349061	-0.43196	-1.77122	0.114548	0.863538	DOWN	465.2117	465.2111	465.2119	10.89875	10.8646
1286	M674T12	1.407826	-0.49347	-1.79232	0.114567	0.863538	DOWN	674.3599	674.3596	674.3602	11.60305	11.59007
1287	M455T10_	1.243071	-0.31391	-1.8009	0.114626	0.863538	DOWN	454.8463	454.8459	454.8483	10.3781	10.08517
1288	M538T10_	1.131004	-0.1776	-1.85712	0.114632	0.863538	DOWN	537.59	537.5896	537.5902	9.945775	9.843367
1289	M1500T10	2.151622	-1.10542	-1.85678	0.114648	0.863538	DOWN	1499.515	1499.509	1499.519	9.9014	9.8753
1290	M966T10_	1.833282	0.874428	1.925141	0.114659	0.863538	UP	966.202	966.2019	966.2034	9.946367	9.843367
1291	M196T11	1.969403	0.977758	1.936399	0.114817	0.863539	UP	195.9083	195.908	195.9085	10.90031	10.877
1292	M200T10_	1.640054	-0.71374	-1.77557	0.114841	0.863539	DOWN	200	199.9998	200.0046	9.915767	9.8161
1293	M277T9_2	1.525921	-0.60968	-1.79951	0.114887	0.86354	DOWN	276.8379	276.8362	276.8385	9.3471	9.1322
1294	M550T22	1.478465	-0.5641	-1.80832	0.114945	0.86354	DOWN	550.3868	550.3865	550.3869	22.33733	22.32183

1295	M1779T10	1.503004	-0.58785	-1.95713	0.114957	0.86354	DOWN	1779.439	1779.437	1779.441	9.825492	9.715683
1296	M617T9_4	1.868661	-0.902	-1.78046	0.115049	0.863541	DOWN	617.2736	617.2732	617.2743	9.369958	9.324917
1297	M710T9_4	2.488592	-1.31533	-1.86748	0.115084	0.863541	DOWN	710.0782	710.0773	710.0784	8.783317	8.701267
1298	M311T14	1.49932	-0.58431	-1.82497	0.11511	0.863541	DOWN	310.7591	310.7585	310.7592	13.69757	13.68217
1299	M478T10_	1.765035	0.819697	1.935426	0.115171	0.863541	UP	478.2631	478.2624	478.2637	9.770733	9.6681
1300	M411T9_1	1.593125	-0.67186	-1.90319	0.115208	0.863542	DOWN	410.5523	410.5507	410.5529	9.351358	9.219483
1301	M315T9_1	1.677262	0.746108	1.813512	0.115238	0.863542	UP	314.5863	314.5859	314.5865	8.870808	8.803967
1302	M794T9_1	2.429556	-1.28069	-1.86333	0.115356	0.863543	DOWN	794.2459	794.2453	794.2465	8.767783	8.730433
1303	M456T9_7	1.595609	-0.67411	-1.87592	0.115387	0.863543	DOWN	456.1691	456.1687	456.1694	9.241708	9.129317
1304	M435T9_1	4.473574	-2.16143	-1.98896	0.115414	0.863543	DOWN	435.4567	435.4565	435.4569	9.196858	9.1602
1305	M858T10_	2.484346	-1.31287	-1.99471	0.115504	0.863543	DOWN	857.5711	857.57	857.5721	10.02769	9.995817
1306	M651T9_1	2.518781	-1.33273	-1.86949	0.115519	0.863544	DOWN	651.3634	651.362	651.364	9.438833	9.340183
1307	M405T10_	1.378441	-0.46304	-1.77425	0.115648	0.863544	DOWN	405.3431	405.3431	405.3433	9.958492	9.8753
1308	M404T44_	1.225038	-0.29283	-1.95305	0.11565	0.863544	DOWN	404.2639	404.2638	404.2641	43.7705	43.646
1309	M320T10_	1.272988	-0.34822	-1.8165	0.115789	0.863545	DOWN	319.6414	319.6411	319.6424	9.8207	9.715683
1310	M416T12	1.488294	0.573659	1.774368	0.115821	0.863545	UP	416.2834	416.2826	416.2841	11.87075	11.8442
1311	M622T30	1.392546	0.477725	1.83326	0.115867	0.863546	UP	622.4218	622.4207	622.4224	30.26683	30.252
1312	M719T23	1.236497	-0.30626	-1.78309	0.11592	0.863546	DOWN	719.4765	719.476	719.477	22.922	22.88583
1313	M341T11_	1.43447	-0.52052	-1.79387	0.11595	0.863546	DOWN	341.2621	341.262	341.2629	10.6624	10.66105
1314	M357T45	1.463839	-0.54976	-1.9686	0.115976	0.863546	DOWN	357.1906	357.1905	357.1907	44.71767	44.4805
1315	M662T10_	1.305446	-0.38454	-1.82776	0.116067	0.863547	DOWN	661.5027	661.5021	661.5031	9.841442	9.728083
1316	M829T10_	1.372399	-0.4567	-1.82902	0.116117	0.863547	DOWN	829.4814	829.4807	829.4823	10.32788	10.26307
1317	M324T26_	2.622299	1.390832	1.767765	0.116168	0.863547	UP	324.2444	324.2441	324.2449	25.95133	25.9205
1318	M438T34	3.307132	-1.72558	-1.9758	0.116237	0.863548	DOWN	438.3422	438.3415	438.3424	33.8165	33.802
1319	M350T11_	1.419395	-0.50528	-1.79305	0.116254	0.863548	DOWN	349.7074	349.7073	349.7082	10.91987	10.90197
1320	M381T9_1	1.258602	-0.33182	-1.80765	0.116273	0.863548	DOWN	381.4571	381.4569	381.4574	8.855342	8.742633
1321	M719T10_	1.742051	0.800787	1.773991	0.116382	0.863549	UP	719.1262	719.124	719.1268	9.8207	9.7124
1322	M479T10_	1.726379	0.787749	1.905779	0.116383	0.863549	UP	478.8281	478.8272	478.8286	9.746783	9.65225
1323	M1148T10	1.649176	-0.72175	-1.78812	0.116425	0.863549	DOWN	1148.475	1148.474	1148.475	9.565017	9.47865
1324	M830T10_	1.621735	-0.69754	-1.86436	0.116466	0.863549	DOWN	829.5208	829.52	829.5221	9.688425	9.5889
1325	M522T13_	1.250494	-0.3225	-1.77219	0.116542	0.86355	DOWN	522.4044	522.4039	522.4055	13.06235	13.03953
1326	M645T9_1	1.589766	-0.66881	-1.76063	0.116543	0.86355	DOWN	644.778	644.7677	644.7784	9.262217	9.22495
1327	M379T11_	1.275129	-0.35064	-1.85294	0.116597	0.86355	DOWN	379.2956	379.2954	379.2958	11.34627	11.34105
1328	M556T9_8	1.650636	-0.72302	-1.76899	0.116618	0.86355	DOWN	556.3483	556.348	556.35	9.401917	9.23865
1329	M506T39	1.564376	0.645588	1.991596	0.116643	0.86355	UP	506.2593	506.2593	506.2594	38.76967	38.6835

1330	M1261T10	1.530024	-0.61355	-1.76768	0.116661	0.86355	DOWN	1260.723	1260.722	1260.725	10.1108	10.02755
1331	M478T42_	1.42066	0.506562	1.779918	0.116693	0.863551	UP	478.2643	478.2639	478.2646	42.38067	42.12167
1332	M661T10_	1.320089	-0.40064	-1.79846	0.116696	0.863551	DOWN	660.8539	660.853	660.8561	9.836042	9.715683
1333	M201T10_	1.4224	-0.50833	-1.76484	0.116704	0.863551	DOWN	201.0837	201.0834	201.0847	9.885167	9.73145
1334	M410T9_8	1.407606	-0.49324	-1.76041	0.116765	0.863551	DOWN	410.3643	410.3636	410.3679	9.220933	9.1445
1335	M462T10_	1.348112	0.430941	1.791024	0.116805	0.863551	UP	461.8885	461.8882	461.8889	9.814025	9.699733
1336	M680T42	1.327084	-0.40826	-1.92553	0.11681	0.863551	DOWN	680.3854	680.3853	680.3857	41.58967	41.5175
1337	M431T9_6	1.456949	-0.54295	-1.81787	0.116925	0.863552	DOWN	430.9877	430.9863	430.9888	9.365833	9.129317
1338	M289T10_	1.394645	-0.4799	-1.81412	0.116944	0.863552	DOWN	289.0716	289.0711	289.0719	9.961892	9.859233
1339	M334T21	1.628218	-0.70329	-1.99089	0.117012	0.863552	DOWN	334.235	334.2348	334.2351	20.86667	20.84967
1340	M228T10_	2.179181	-1.12379	-1.91768	0.117168	0.863553	DOWN	227.8712	227.8709	227.8715	9.81525	9.65225
1341	M490T11_	1.298924	-0.37732	-1.76278	0.117295	0.863554	DOWN	489.9247	489.923	489.9253	10.91977	10.8926
1342	M513T33	1.282962	-0.35948	-1.75438	0.11747	0.863555	DOWN	513.3979	513.397	513.3985	32.82067	32.79167
1343	M273T16	2.0404	-1.02885	-1.86695	0.117518	0.863555	DOWN	273.1094	273.1092	273.1095	16.30658	16.27878
1344	M295T10_	1.280715	-0.35695	-1.90249	0.117583	0.863556	DOWN	295.497	295.4969	295.4974	9.962617	9.859233
1345	M335T9_7	2.551934	-1.35159	-1.93357	0.117603	0.863556	DOWN	334.8107	334.8091	334.8141	9.29665	9.1011
1346	M391T10_	1.386575	-0.47153	-1.7611	0.117721	0.863557	DOWN	390.8148	390.8145	390.8151	9.538267	9.416817
1347	M343T9_7	1.416156	-0.50198	-1.78195	0.117891	0.863558	DOWN	343.4504	343.4502	343.4515	9.046783	9.031633
1348	M345T11_	1.180658	-0.23959	-1.891	0.117898	0.863558	DOWN	345.206	345.2057	345.2064	11.21347	11.19848
1349	M752T10_	1.429086	0.515093	1.796939	0.117942	0.863558	UP	751.9873	751.9859	751.9885	9.98345	9.8753
1350	M829T9_1	2.173681	-1.12014	-1.78092	0.118126	0.863559	DOWN	828.5911	828.5906	828.5914	8.77555	8.730433
1351	M215T10_	3.412039	1.770634	1.940108	0.1182	0.863559	UP	215.1753	215.1749	215.1756	9.6628	9.571683
1352	M716T25	1.386375	-0.47132	-1.77101	0.118235	0.86356	DOWN	715.5396	715.5392	715.5407	25.29125	25.2745
1353	M734T11_	2.343922	-1.22892	-1.93547	0.118255	0.86356	DOWN	734.4386	734.4377	734.4392	10.69824	10.64453
1354	M1678T10_	1.578948	-0.65896	-1.78932	0.118381	0.863561	DOWN	1677.653	1677.651	1677.656	9.817017	9.715683
1355	M248T10_	1.923469	-0.94371	-1.75636	0.1184	0.863561	DOWN	248.2408	248.2406	248.2411	9.932033	9.8378
1356	M357T22_	1.607188	-0.68454	-1.75363	0.118588	0.863562	DOWN	357.419	357.4186	357.4192	21.57283	21.53733
1357	M195T18	2.273672	-1.18502	-1.74769	0.118656	0.863562	DOWN	195.1164	195.1162	195.1166	18.32742	18.3115
1358	M1541T10	1.568995	-0.64984	-1.82289	0.118661	0.863562	DOWN	1541.044	1541.043	1541.051	9.918792	9.806367
1359	M443T11_	1.521152	-0.60516	-1.79577	0.118776	0.863563	DOWN	442.8317	442.8312	442.8323	11.41772	11.3515
1360	M351T10_	1.49573	-0.58085	-1.76242	0.118813	0.863563	DOWN	350.6085	350.6082	350.6087	9.942167	9.8378
1361	M203T11_	1.151392	0.203379	1.807901	0.119088	0.863565	UP	202.9829	202.9828	202.9831	10.8926	10.88995
1362	M282T10_	1.149831	0.201421	1.748875	0.119246	0.863565	UP	282.1941	282.194	282.1943	9.873067	9.79535
1363	M1360T11	1.364902	-0.4488	-1.74689	0.119346	0.863566	DOWN	1360.023	1360.022	1360.024	10.91667	10.85018
1364	M309T11_	1.605505	0.683028	1.747302	0.119354	0.863566	UP	309.1847	309.1841	309.1854	11.22767	11.2174

1365	M393T21	1.383164	-0.46797	-1.7633	0.11952	0.863567	DOWN	393.2857	393.2854	393.2859	21.17525	21.1505
1366	M260T10_	1.343989	-0.42652	-1.89722	0.119667	0.863568	DOWN	259.8515	259.8513	259.8517	9.741117	9.636483
1367	M225T9	1.492781	-0.578	-1.76496	0.11971	0.863568	DOWN	224.5559	224.5556	224.556	9.2796	9.129317
1368	M659T10_	5.424743	2.439555	1.84032	0.11973	0.863568	UP	659.4588	659.452	659.4638	9.842217	9.747533
1369	M841T31	1.382497	-0.46728	-1.9103	0.119751	0.863568	DOWN	840.5684	840.5681	840.569	31.21967	31.20533
1370	M472T9_2	1.70833	-0.77259	-1.75833	0.119847	0.863569	DOWN	471.7521	471.7518	471.7526	9.277967	9.1445
1371	M324T10_	1.344529	-0.4271	-1.92314	0.120156	0.863571	DOWN	323.9055	323.9053	323.9057	9.8207	9.715683
1372	M699T10_	1.318242	-0.39862	-1.81196	0.120457	0.863572	DOWN	698.9664	698.9661	698.9668	9.830183	9.715683
1373	M254T11_	1.795063	-0.84403	-1.80303	0.120474	0.863572	DOWN	253.9208	253.9207	253.9211	10.91852	10.87708
1374	M900T10_	1.328281	-0.40956	-1.7815	0.120521	0.863573	DOWN	899.5368	899.536	899.5372	9.504583	9.416817
1375	M901T9	1.431859	-0.51789	-1.75472	0.120549	0.863573	DOWN	900.5395	900.5392	900.5417	9.475667	9.417317
1376	M636T41	1.183598	-0.24318	-1.73803	0.12081	0.863574	DOWN	636.359	636.3587	636.3593	41.00683	40.89883
1377	M190T11_	1.532589	-0.61597	-1.84365	0.120865	0.863575	DOWN	190.3905	190.3904	190.3908	10.9198	10.87765
1378	M332T10_	1.37535	-0.4598	-1.82988	0.12088	0.863575	DOWN	332.4372	332.4369	332.4375	9.830558	9.715683
1379	M815T11_	1.33178	-0.41336	-1.76762	0.12098	0.863575	DOWN	814.9821	814.9815	814.9823	10.58424	10.55068
1380	M350T10_	1.296514	-0.37464	-1.87931	0.120984	0.863575	DOWN	349.6017	349.6015	349.6018	9.83535	9.715683
1381	M458T10_	1.164319	-0.21949	-1.79564	0.121066	0.863576	DOWN	458.3992	458.3988	458.3996	9.855658	9.7634
1382	M463T10_	2.92452	1.5482	1.803648	0.12108	0.863576	UP	463.0391	463.0386	463.0397	9.915933	9.74925
1383	M1817T10	1.550347	-0.63259	-1.80933	0.121162	0.863576	DOWN	1816.69	1816.688	1816.692	9.8207	9.699733
1384	M310T10_	1.653004	-0.72509	-1.87543	0.121183	0.863576	DOWN	310.4147	310.4146	310.4148	9.9174	9.822117
1385	M742T9_5	1.925994	-0.9456	-1.73431	0.121205	0.863576	DOWN	742.0774	742.0766	742.0776	9.296458	9.234417
1386	M634T10_	1.298054	-0.37635	-1.75263	0.121206	0.863576	DOWN	633.6276	633.627	633.6279	9.821308	9.715683
1387	M842T30	1.293484	0.371262	1.799675	0.121247	0.863577	UP	841.5498	841.5491	841.5513	30.20133	30.19317
1388	M1777T10	1.504042	-0.58884	-1.87358	0.121337	0.863577	DOWN	1776.947	1776.945	1776.948	9.857983	9.747533
1389	M1496T10	1.758076	-0.814	-1.74397	0.12134	0.863577	DOWN	1496.387	1496.383	1496.389	9.930333	9.822117
1390	M349T9_1	1.502021	-0.5869	-1.74436	0.121463	0.863578	DOWN	349.3225	349.32	349.3263	9.201992	9.129317
1391	M288T21_	1.464293	-0.5502	-1.88129	0.121491	0.863578	DOWN	288.2895	288.2893	288.2896	21.40833	21.39167
1392	M652T27	1.639432	0.713196	1.742892	0.121511	0.863578	UP	652.4032	652.4027	652.4034	27.31217	27.25583
1393	M548T39_	4.868199	2.283388	1.959821	0.121546	0.863578	UP	548.3063	548.306	548.3065	39.43858	39.043
1394	M561T9_2	3.121984	-1.64246	-1.86917	0.121618	0.863579	DOWN	561.3604	561.3592	561.3607	8.842717	8.55815
1395	M665T10_	2.344924	-1.22954	-1.93462	0.121688	0.863579	DOWN	665.42	665.4192	665.421	10.45167	10.40807
1396	M338T9_5	1.463702	-0.54962	-1.78687	0.121789	0.86358	DOWN	337.917	337.9167	337.9174	9.297417	9.1445
1397	M359T9_3	1.710742	-0.77462	-1.77626	0.121851	0.86358	DOWN	358.8195	358.8188	358.82	9.172008	9.048117
1398	M520T39_	1.180948	-0.23995	-1.8808	0.121879	0.86358	DOWN	520.3115	520.311	520.3116	39.1725	39.05717
1399	M313T13_	31.66734	4.984924	1.95609	0.122051	0.863581	UP	313.2847	313.284	313.2848	13.11377	13.09803



1400	M481T9_7	1.398017	-0.48338	-1.78718	0.122333	0.863583	DOWN	481.3772	481.3765	481.3818	9.204617	9.1445
1401	M824T9_1	1.981406	-0.98652	-1.75566	0.12247	0.863583	DOWN	823.7629	823.7625	823.765	8.842717	8.75965
1402	M187T40	1.23302	-0.3022	-1.9316	0.122581	0.863584	DOWN	187.0962	187.0962	187.0963	40.38808	40.20833
1403	M223T23	1.127747	0.173443	1.794735	0.122582	0.863584	UP	223.169	223.169	223.1692	22.81325	22.78483
1404	M245T45_	1.38807	0.47308	1.73034	0.122584	0.863584	UP	245.1381	245.1379	245.1381	44.854	44.79667
1405	M334T9_4	1.541125	-0.62398	-1.80637	0.122593	0.863584	DOWN	334.1327	334.1322	334.1356	9.220933	9.158833
1406	M813T10_	2.085588	-1.06045	-1.8263	0.122595	0.863584	DOWN	813.4834	813.4817	813.484	9.979667	9.914217
1407	M572T10_	1.60379	-0.68149	-1.73508	0.122731	0.863585	DOWN	572.404	572.4038	572.4043	9.95385	9.869467
1408	M397T9_6	1.736315	-0.79603	-1.8434	0.122816	0.863585	DOWN	397.282	397.281	397.2831	9.279417	9.132033
1409	M987T11	1.591578	-0.67046	-1.73553	0.122922	0.863586	DOWN	987.4271	987.4267	987.4278	10.5836	10.52067
1410	M196T10_	1.384563	-0.46943	-1.8787	0.122924	0.863586	DOWN	196.3936	196.3934	196.3937	9.8207	9.715683
1411	M398T10_	1.392109	-0.47727	-1.75841	0.122926	0.863586	DOWN	398.139	398.1388	398.1391	9.932442	9.827283
1412	M461T10_	1.625883	-0.70122	-1.74277	0.122953	0.863586	DOWN	461.28	461.2797	461.2802	10.21435	10.13887
1413	M820T11_	2.901086	-1.53659	-1.89746	0.12298	0.863586	DOWN	820.0133	820.0126	820.0134	11.03245	11.00902
1414	M396T10_	2.957593	1.564423	1.898649	0.123009	0.863586	UP	395.7789	395.7788	395.7793	9.902617	9.79535
1415	M275T10_	1.424083	-0.51003	-1.75906	0.12334	0.863588	DOWN	275.205	275.2049	275.2052	9.8322	9.747533
1416	M827T12	1.373817	-0.45819	-1.75698	0.123601	0.863589	DOWN	827.3792	827.3782	827.3796	11.96611	11.94427
1417	M667T12	1.612408	-0.68922	-1.81106	0.123716	0.86359	DOWN	667.3868	667.3849	667.3878	11.78703	11.72435
1418	M313T9_1	1.215901	-0.28203	-1.72129	0.123946	0.863591	DOWN	312.5533	312.553	312.5536	9.277967	9.129317
1419	M236T10_	2.813514	1.492373	1.806468	0.123961	0.863591	UP	236.4618	236.4617	236.462	9.939233	9.843367
1420	M288T22_	2.18477	1.127481	1.893633	0.123984	0.863591	UP	288.275	288.273	288.2787	22.05333	22.016
1421	M189T9_1	1.727363	-0.78857	-1.73476	0.123985	0.863591	DOWN	189.1895	189.189	189.1902	9.18975	9.1322
1422	M211T9_1	1.43977	-0.52584	-1.86672	0.124002	0.863592	DOWN	210.7815	210.7814	210.7817	9.339242	9.219483
1423	M576T10_	1.366986	-0.451	-1.75507	0.124122	0.863592	DOWN	575.693	575.6924	575.6936	9.902008	9.811217
1424	M195T9_1	1.376236	-0.46073	-1.7187	0.124147	0.863592	DOWN	195.1601	195.1599	195.1612	9.280767	9.132267
1425	M600T12	1.384104	-0.46895	-1.72199	0.124215	0.863593	DOWN	600.3229	600.3225	600.3246	11.55805	11.52522
1426	M401T11_	3.30803	1.725973	1.718245	0.124291	0.863593	UP	401.2856	401.278	401.2872	10.94208	10.873
1427	M504T39_	1.311042	-0.39071	-1.72038	0.124323	0.863593	DOWN	504.28	504.2796	504.2803	39.00933	38.84167
1428	M1043T19	1.379633	0.464285	1.75227	0.124443	0.863594	UP	1043.489	1043.488	1043.489	19.4165	19.34417
1429	M1988T10	1.446339	-0.53241	-1.8507	0.124525	0.863594	DOWN	1987.642	1987.638	1987.643	9.8207	9.699733
1430	M338T10_	1.485536	0.570983	1.728196	0.124656	0.863595	UP	337.621	337.6191	337.6216	9.804242	9.45135
1431	M464T22	1.500221	-0.58518	-1.849	0.124685	0.863595	DOWN	464.3131	464.3127	464.3135	21.56567	21.55233
1432	M283T11_	1.538264	-0.6213	-1.81601	0.124734	0.863595	DOWN	283.1958	283.1952	283.1974	10.90785	10.83417
1433	M408T9_3	1.542803	-0.62555	-1.71988	0.124749	0.863595	DOWN	407.8283	407.828	407.8286	9.496092	9.40135
1434	M661T10_	1.258212	-0.33137	-1.72992	0.124787	0.863596	DOWN	661.4642	661.4638	661.4682	9.818525	9.715683

1435	M513T25	1.501537	0.58644	1.715253	0.125048	0.863597	UP	513.2092	513.2077	513.2102	24.72417	24.71033
1436	M474T42_	1.24041	0.310817	1.712727	0.125256	0.863598	UP	474.2694	474.2692	474.2695	42.03533	41.949
1437	M151T43_	1.526483	0.610212	1.767803	0.125298	0.863598	UP	151.1115	151.1115	151.1115	42.85517	42.71133
1438	M541T10_	2.046548	-1.03319	-1.74519	0.12535	0.863599	DOWN	540.9997	540.9995	541.0006	9.942317	9.90755
1439	M1097T10_	1.622011	-0.69778	-1.73028	0.125433	0.863599	DOWN	1096.854	1096.851	1096.862	9.8322	9.715683
1440	M289T21	1.514014	-0.59838	-1.86123	0.125448	0.863599	DOWN	289.2929	289.2927	289.2931	21.409	21.39167
1441	M413T10_	1.326688	-0.40783	-1.76065	0.125496	0.863599	DOWN	412.5343	412.5342	412.5345	9.964417	9.859233
1442	M1154T12_	1.546863	-0.62935	-1.7768	0.125505	0.863599	DOWN	1153.603	1153.602	1153.604	12.23006	12.2077
1443	M243T23	1.887776	0.916688	1.884989	0.125638	0.8636	UP	243.0898	243.0898	243.09	23.3815	23.381
1444	M398T10_	1.561317	-0.64276	-1.86357	0.126103	0.863602	DOWN	398.3105	398.3101	398.3112	9.582167	9.447617
1445	M418T9_4	1.250499	-0.3225	-1.72396	0.126116	0.863602	DOWN	417.9209	417.92	417.9213	8.96255	8.877267
1446	M605T10_	1.234552	-0.30399	-1.73376	0.126143	0.863603	DOWN	605.3741	605.3738	605.3749	9.677883	9.557333
1447	M659T35	1.765575	-0.82014	-1.79402	0.126209	0.863603	DOWN	659.4924	659.4918	659.4929	35.11117	35.07033
1448	M389T11_	1.671857	-0.74145	-1.70676	0.126255	0.863603	DOWN	388.6838	388.6835	388.6853	10.93412	10.8628
1449	M1765T9_	1.440386	-0.52646	-1.7094	0.126318	0.863604	DOWN	1765.431	1765.427	1765.435	9.269283	9.089733
1450	M379T10_	1.381395	-0.46613	-1.75849	0.126338	0.863604	DOWN	378.7643	378.7639	378.7648	9.960417	9.859233
1451	M826T10_	1.451485	-0.53753	-1.80026	0.126433	0.863604	DOWN	825.8293	825.8288	825.8303	9.638308	9.540717
1452	M374T9_7	1.585957	-0.66535	-1.79621	0.126519	0.863605	DOWN	374.2369	374.2367	374.237	9.042633	9.023483
1453	M576T9_2	1.610166	-0.68721	-1.85655	0.126614	0.863605	DOWN	575.6404	575.6397	575.6481	9.18975	9.142767
1454	M160T9_3	1.445426	-0.5315	-1.71877	0.12663	0.863605	DOWN	160.0807	160.0801	160.0809	9.365833	9.22495
1455	M681T9_2	2.189601	-1.13067	-1.73279	0.126635	0.863605	DOWN	681.3552	681.3549	681.3558	8.753417	8.730433
1456	M329T21_	2.279448	1.188684	1.713205	0.126646	0.863605	UP	329.2149	329.2144	329.2152	20.62033	20.6055
1457	M193T9_1	2.632898	1.396652	1.719979	0.126867	0.863606	UP	193.2336	193.2325	193.2348	9.27445	9.0511
1458	M433T9_1	1.292537	-0.37021	-1.70432	0.126901	0.863606	DOWN	433.4562	433.4528	433.4565	9.347458	9.1445
1459	M351T15_	1.668377	-0.73845	-1.82082	0.127007	0.863607	DOWN	351.1777	351.1775	351.1777	14.97067	14.95502
1460	M806T11_	1.499083	-0.58408	-1.73154	0.127014	0.863607	DOWN	806.4027	806.4026	806.403	10.53152	10.51422
1461	M738T9	1.343233	-0.42571	-1.71742	0.127035	0.863607	DOWN	737.7576	737.7562	737.7581	9.314442	9.234417
1462	M766T9_2	2.032564	-1.0233	-1.72029	0.127077	0.863607	DOWN	766.486	766.4857	766.4863	9.467433	9.356517
1463	M545T10_	1.365894	-0.44985	-1.75005	0.12712	0.863608	DOWN	545.2851	545.2845	545.2863	9.618792	9.52595
1464	M828T9_3	2.117121	-1.0821	-1.74655	0.127132	0.863608	DOWN	828.0899	828.0892	828.0906	8.791683	8.701267
1465	M221T10_	1.375695	-0.46016	-1.72366	0.127164	0.863608	DOWN	221.1534	221.1531	221.1537	9.917167	9.811217
1466	M363T11_	3.377618	1.756006	1.772049	0.127179	0.863608	UP	363.2286	363.2279	363.2353	11.1829	11.1603
1467	M237T11_	2.955022	-1.56317	-1.90681	0.127182	0.863608	DOWN	237.2596	237.2591	237.26	10.91487	10.8646
1468	M562T10_	2.72994	1.448869	1.910522	0.127247	0.863608	UP	561.9229	561.9224	561.9234	9.975142	9.859233
1469	M660T9_6	1.339751	-0.42196	-1.71471	0.127259	0.863608	DOWN	660.4895	660.4887	660.4913	9.314442	9.234417

1470	M554T9_9	1.537533	-0.62062	-1.80027	0.127484	0.863609	DOWN	554.489	554.486	554.4899	9.206	9.142767
1471	M206T9_4	1.974833	-0.98173	-1.70778	0.127551	0.86361	DOWN	205.5833	205.5822	205.5843	9.295167	9.132267
1472	M196T10_	1.483431	-0.56894	-1.87187	0.127597	0.86361	DOWN	196.0757	196.0756	196.0758	9.8207	9.715683
1473	M237T11_	1.780849	-0.83257	-1.85426	0.127613	0.86361	DOWN	237.1078	237.1075	237.1095	10.8926	10.877
1474	M306T24	1.540402	-0.62331	-1.73441	0.12788	0.863611	DOWN	306.29	306.2899	306.2901	24.2635	24.24717
1475	M311T10_	1.211471	-0.27676	-1.7032	0.127903	0.863611	DOWN	311.2605	311.2604	311.2608	10.27583	10.21468
1476	M358T9_6	1.48041	-0.566	-1.78298	0.128177	0.863613	DOWN	358.3674	358.3665	358.3676	9.322983	9.219483
1477	M294T28	1.270297	-0.34517	-1.74058	0.128225	0.863613	DOWN	294.2061	294.206	294.2064	27.95175	27.9245
1478	M1109T10	1.369479	-0.45363	-1.77253	0.128236	0.863613	DOWN	1108.952	1108.951	1108.953	9.914217	9.729367
1479	M450T9_1	1.283816	-0.36044	-1.71257	0.128255	0.863613	DOWN	450.4196	450.419	450.42	9.31255	9.129317
1480	M741T9_4	1.543993	-0.62667	-1.69921	0.128277	0.863613	DOWN	741.441	741.4398	741.4414	9.328967	9.129317
1481	M890T9	1.992173	-0.99434	-1.77774	0.12829	0.863613	DOWN	890.0047	890.0041	890.0057	9.275917	9.234417
1482	M416T25_	1.761752	0.817011	1.698963	0.128349	0.863614	UP	416.2483	416.2478	416.2492	25.341	25.28867
1483	M340T10_	1.344866	-0.42746	-1.82155	0.128401	0.863614	DOWN	339.753	339.7529	339.7531	9.531583	9.432183
1484	M330T10_	1.920433	0.941432	1.753515	0.128519	0.863615	UP	329.8149	329.8147	329.815	10.13219	10.06883
1485	M734T11_	2.363639	-1.24101	-1.86136	0.128529	0.863615	DOWN	733.9367	733.9365	733.9371	10.69952	10.64453
1486	M252T13	1.923669	0.94386	1.694515	0.128637	0.863615	UP	252.1568	252.1566	252.1647	12.59504	12.58705
1487	M457T10_	1.31634	-0.39653	-1.69795	0.128706	0.863615	DOWN	457.2925	457.2919	457.2929	9.795892	9.665433
1488	M833T10_	1.43564	-0.52169	-1.78256	0.128773	0.863616	DOWN	833.4727	833.4725	833.4737	9.7091	9.602967
1489	M753T11_	2.32825	-1.21925	-1.85796	0.12878	0.863616	DOWN	753.4726	753.4715	753.4731	10.74694	10.7188
1490	M851T10_	1.285122	-0.36191	-1.69563	0.128813	0.863616	DOWN	850.9932	850.9918	850.9935	10.35367	10.32768
1491	M420T11_	1.30473	-0.38375	-1.71214	0.128921	0.863616	DOWN	420.2372	420.2369	420.2379	10.90659	10.89355
1492	M251T11_	1.54243	-0.6252	-1.73623	0.128963	0.863617	DOWN	251.43	251.4298	251.4304	10.8926	10.8914
1493	M199T22_	1.335428	-0.4173	-1.75719	0.129174	0.863618	DOWN	199.169	199.1689	199.1691	21.75467	21.7515
1494	M591T11	1.396827	-0.48215	-1.82629	0.12918	0.863618	DOWN	591.2625	591.2619	591.2629	10.67582	10.63273
1495	M536T10_	1.624439	-0.69994	-1.84675	0.129191	0.863618	DOWN	535.8182	535.8178	535.8188	10.06125	9.971833
1496	M708T31	1.301923	-0.38064	-1.85155	0.129587	0.86362	DOWN	708.4894	708.489	708.4898	31.32975	31.32017
1497	M808T9_1	1.421333	-0.50725	-1.70137	0.129595	0.86362	DOWN	808.2296	808.2264	808.2309	9.251992	9.160617
1498	M295T28	1.366505	-0.45049	-1.73336	0.129655	0.86362	DOWN	295.2093	295.2092	295.2095	27.95175	27.9235
1499	M397T10_	1.196427	-0.25873	-1.72428	0.129686	0.86362	DOWN	397.0971	397.0969	397.0972	9.917208	9.811217
1500	M508T42_	1.233242	0.302456	1.777359	0.129707	0.86362	UP	508.311	508.3108	508.3113	42.13575	42.0065
1501	M415T39_	1.300175	-0.37871	-1.73469	0.12987	0.863621	DOWN	415.2322	415.2321	415.2323	39.49617	39.46017
1502	M217T10_	1.543272	-0.62599	-1.68953	0.129947	0.863621	DOWN	216.8127	216.8123	216.8213	9.830833	9.715683
1503	M171T9_5	1.749709	-0.80711	-1.74366	0.129952	0.863621	DOWN	171.3558	171.3553	171.3564	9.241708	9.1892
1504	M820T11_	3.020517	-1.5948	-1.88941	0.129961	0.863622	DOWN	819.5113	819.511	819.5126	11.05325	11.01793

1505	M1634T9	1.61097	-0.68793	-1.69755	0.129985	0.863622	DOWN	1634.249	1634.246	1634.252	9.246483	9.11795
1506	M330T9_9	1.678419	0.747103	1.696804	0.130052	0.863622	UP	330.3099	330.3008	330.3112	9.374083	9.234417
1507	M365T23	1.55598	0.637824	1.771546	0.130054	0.863622	UP	365.2895	365.2891	365.2899	22.84233	22.7705
1508	M383T10_	1.404854	-0.49042	-1.72997	0.130072	0.863622	DOWN	382.8036	382.8035	382.8041	9.556292	9.447617
1509	M361T9_1	1.558911	-0.64054	-1.68907	0.130402	0.863624	DOWN	360.5474	360.5453	360.5514	9.273908	9.06855
1510	M572T10_	1.397794	-0.48315	-1.72765	0.13043	0.863624	DOWN	572.4711	572.4704	572.4717	9.9149	9.827283
1511	M235T10_	2.116769	1.081864	1.814239	0.130579	0.863624	UP	235.1958	235.1955	235.1958	9.943183	9.827283
1512	M353T10_	1.496992	-0.58207	-1.8422	0.13061	0.863625	DOWN	353.1345	353.1339	353.1347	10.34961	10.26307
1513	M648T11_	1.461698	-0.54765	-1.74957	0.130678	0.863625	DOWN	647.7229	647.7219	647.7237	10.6824	10.64453
1514	M335T14	1.486279	-0.57171	-1.7261	0.130682	0.863625	DOWN	335.2509	335.2505	335.2513	14.48805	14.47187
1515	M402T11_	1.964788	-0.97437	-1.6839	0.1307	0.863625	DOWN	401.9552	401.954	401.9577	10.90297	10.8214
1516	M213T16	1.602783	0.680579	1.683899	0.130709	0.863625	UP	213.1675	213.1674	213.1676	16.49057	16.45715
1517	M483T14	1.538575	-0.62159	-1.72118	0.130715	0.863625	DOWN	483.3684	483.3676	483.3687	13.75568	13.68265
1518	M199T43	1.46474	0.550645	1.686298	0.130909	0.863626	UP	199.1326	199.1325	199.1326	42.98483	42.55333
1519	M220T9_1	1.494749	-0.5799	-1.82321	0.130951	0.863626	DOWN	220.3104	220.3102	220.3107	9.3261	9.1322
1520	M535T11_	1.311952	-0.39171	-1.77641	0.130989	0.863626	DOWN	534.9911	534.9905	534.9915	10.55938	10.45607
1521	M622T10_	1.150735	-0.20256	-1.7702	0.131049	0.863627	DOWN	622.4008	622.4004	622.4046	9.678733	9.5731
1522	M813T11_	1.36013	-0.44374	-1.707	0.131068	0.863627	DOWN	813.0059	813.005	813.0074	10.59162	10.55068
1523	M199T9_1	1.476219	-0.56191	-1.68658	0.131123	0.863627	DOWN	199.318	199.3177	199.3185	9.302883	9.166033
1524	M804T12	1.553513	-0.63553	-1.77086	0.131162	0.863627	DOWN	804.387	804.3867	804.3876	11.57397	11.5607
1525	M562T40_	1.898101	-0.92456	-1.89257	0.131188	0.863627	DOWN	562.322	562.3215	562.3223	40.48892	40.22267
1526	M476T10_	7.131592	2.834224	1.891854	0.131207	0.863627	UP	475.8849	475.8845	475.8852	9.746508	9.649833
1527	M208T10_	1.316731	-0.39696	-1.76635	0.131295	0.863628	DOWN	207.5991	207.599	207.5991	9.830183	9.715683
1528	M214T10_	1.217937	0.28444	1.75738	0.131342	0.863628	UP	213.7126	213.7125	213.7126	9.9149	9.79535
1529	M236T9_2	1.466287	-0.55217	-1.70893	0.131417	0.863628	DOWN	235.5861	235.5829	235.5867	9.295817	9.1503
1530	M397T31_	1.726637	0.787965	1.703994	0.131488	0.863629	UP	396.945	396.9448	396.9452	31.133	31.11883
1531	M248T9_2	1.439884	0.525953	1.755063	0.131619	0.863629	UP	248.0195	248.0193	248.0196	8.735275	8.63795
1532	M229T10_	1.169259	-0.22559	-1.72443	0.131738	0.86363	DOWN	229.1478	229.1477	229.1479	9.945258	9.843367
1533	M332T10_	1.330627	-0.41211	-1.85279	0.132178	0.863632	DOWN	331.893	331.8925	331.8933	9.8207	9.699733
1534	M1771T10	1.483429	0.568936	1.773266	0.13218	0.863632	UP	1770.988	1770.987	1771.001	9.856867	9.747533
1535	M464T44_	1.459626	-0.5456	-1.84504	0.132266	0.863632	DOWN	464.285	464.2848	464.2853	43.87333	43.61767
1536	M642T10_	1.257384	-0.33042	-1.6854	0.132313	0.863633	DOWN	641.6577	641.6572	641.6585	9.82645	9.699733
1537	M165T9_2	1.425254	-0.51122	-1.73636	0.132314	0.863633	DOWN	164.8455	164.8454	164.8461	9.3494	9.264333
1538	M287T10_	1.22787	-0.29616	-1.7047	0.132368	0.863633	DOWN	286.7735	286.7734	286.7736	9.937175	9.843367
1539	M446T10_	1.379559	-0.46421	-1.70876	0.132441	0.863633	DOWN	445.6691	445.6687	445.6693	9.80185	9.699733

1540	M761T4	1.712572	0.776165	1.674647	0.132554	0.863634	UP	761.4417	761.4414	761.4424	3.626575	3.50555
1541	M871T10_	1.416931	-0.50277	-1.71381	0.132583	0.863634	DOWN	871.0302	871.0295	871.0309	10.45237	10.40882
1542	M228T9_1	1.847329	-0.88544	-1.67615	0.132681	0.863634	DOWN	228.4491	228.4479	228.4499	9.280767	9.2585
1543	M228T9_2	1.567983	-0.64891	-1.80662	0.13271	0.863634	DOWN	227.5308	227.5279	227.5309	9.321883	9.11405
1544	M207T9_1	3.270045	-1.70931	-1.86445	0.132715	0.863634	DOWN	207.0576	207.0561	207.0583	9.342333	9.13445
1545	M690T18	8.662846	3.114841	1.883304	0.132727	0.863635	UP	690.3268	690.3265	690.327	18.25775	18.241
1546	M629T10_	1.45178	-0.53782	-1.70462	0.132747	0.863635	DOWN	629.0114	629.0108	629.012	9.52755	9.432183
1547	M382T41_	1.376182	-0.46067	-1.74341	0.132894	0.863635	DOWN	382.2433	382.2432	382.2435	41.15083	41.1145
1548	M428T9_7	1.370534	-0.45474	-1.68305	0.132897	0.863635	DOWN	428.3427	428.3423	428.3432	9.191433	9.11795
1549	M201T10_	1.297076	-0.37526	-1.76521	0.132915	0.863635	DOWN	200.5359	200.5358	200.536	9.831142	9.715683
1550	M944T10_	1.252453	-0.32476	-1.72031	0.132958	0.863636	DOWN	943.9923	943.9915	943.9935	9.977025	9.843367
1551	M341T10_	1.229767	-0.29838	-1.74647	0.13302	0.863636	DOWN	341.343	341.3427	341.3439	9.825492	9.715683
1552	M355T11_	1.706076	0.770682	1.676169	0.133052	0.863636	UP	355.184	355.1832	355.1845	10.93208	10.91977
1553	M828T9_2	2.35311	-1.23457	-1.75248	0.133061	0.863636	DOWN	827.9226	827.922	827.9235	8.798117	8.686867
1554	M651T10_	1.355177	-0.43848	-1.67203	0.13307	0.863636	DOWN	651.2833	651.2829	651.2862	9.640117	9.52595
1555	M349T9_1	2.600926	1.379025	1.823986	0.133137	0.863636	UP	349.2753	349.2745	349.2792	9.130358	8.9997
1556	M270T11_	1.554412	-0.63637	-1.68547	0.133225	0.863637	DOWN	269.5341	269.534	269.5348	10.90668	10.8628
1557	M158T10_	1.53603	-0.61921	-1.71326	0.133266	0.863637	DOWN	157.5465	157.5465	157.5467	9.91765	9.822117
1558	M1158T10	1.727408	-0.78861	-1.67796	0.133274	0.863637	DOWN	1157.962	1157.96	1157.963	9.5483	9.47865
1559	M1158T10	1.641781	-0.71526	-1.67984	0.133304	0.863637	DOWN	1158.462	1158.461	1158.464	9.553017	9.47865
1560	M343T9_2	1.774568	0.827468	1.671014	0.133313	0.863637	UP	342.7901	342.7899	342.7956	9.2887	9.048117
1561	M788T9_1	1.41458	-0.50037	-1.70945	0.133442	0.863638	DOWN	788.4247	788.4218	788.4256	9.322983	9.234417
1562	M542T33	1.424636	-0.51059	-1.70333	0.133521	0.863638	DOWN	542.426	542.4256	542.4266	33.14558	33.12367
1563	M415T11_	1.254593	-0.32722	-1.69657	0.133551	0.863638	DOWN	414.626	414.6258	414.6264	10.9212	10.90197
1564	M710T11_	1.640695	-0.71431	-1.72644	0.133562	0.863638	DOWN	709.514	709.5128	709.5149	10.57357	10.50338
1565	M388T11_	7.30914	2.869702	1.877805	0.133563	0.863638	UP	387.7291	387.7286	387.7316	10.93097	10.80695
1566	M420T39_	1.554757	-0.63669	-1.76013	0.133643	0.863639	DOWN	420.2229	420.2223	420.223	38.669	38.53917
1567	M712T11_	2.158736	-1.11019	-1.83266	0.133702	0.863639	DOWN	711.9236	711.9223	711.9245	10.62363	10.5518
1568	M819T13	1.587072	-0.66637	-1.7428	0.133856	0.86364	DOWN	819.4061	819.4051	819.4065	12.96013	12.95202
1569	M652T10_	1.290962	-0.36845	-1.69029	0.133869	0.86364	DOWN	652.0858	652.0855	652.0874	9.8371	9.699733
1570	M813T10_	1.44341	-0.52948	-1.68187	0.13388	0.86364	DOWN	812.8551	812.8549	812.8558	9.923542	9.822117
1571	M247T11_	2.039705	1.028361	1.758048	0.133986	0.86364	UP	247.2566	247.256	247.2566	10.87765	10.85018
1572	M586T28	1.245041	-0.31619	-1.67146	0.13407	0.863641	DOWN	586.4158	586.4153	586.4161	28.1715	28.14183
1573	M313T16	30.38443	4.92526	1.873941	0.134153	0.863641	UP	313.2847	313.2846	313.2848	16.37372	16.37367
1574	M403T44_	1.348755	-0.43163	-1.82833	0.134193	0.863641	DOWN	403.2323	403.2322	403.2324	44.49183	44.33667

1575	M347T10_	2.287135	-1.19354	-1.75476	0.134346	0.863642	DOWN	347.3952	347.3949	347.3954	9.830733	9.743667
1576	M382T42_	1.314909	-0.39496	-1.67602	0.1344	0.863642	DOWN	382.2433	382.2431	382.2435	41.58217	41.3735
1577	M1737T10	1.362431	-0.44618	-1.67845	0.134447	0.863642	DOWN	1736.732	1736.731	1736.733	9.603917	9.49445
1578	M591T10_	1.86522	-0.89935	-1.76323	0.134492	0.863643	DOWN	590.867	590.8664	590.8685	10.23818	10.18238
1579	M533T10_	1.794989	-0.84397	-1.76628	0.134502	0.863643	DOWN	533.3404	533.3401	533.3417	10.0926	9.955733
1580	M464T11_	1.325587	-0.40663	-1.74917	0.134628	0.863643	DOWN	463.7075	463.7073	463.7079	10.90551	10.88747
1581	M223T10_	1.718658	-0.78128	-1.67128	0.134703	0.863643	DOWN	222.5895	222.5892	222.5896	9.843625	9.76065
1582	M859T9	2.000799	-1.00058	-1.67085	0.134791	0.863644	DOWN	858.7595	858.759	858.7601	9.204617	9.14695
1583	M471T10_	1.389333	-0.47439	-1.66536	0.134919	0.863644	DOWN	471.1039	471.1032	471.1052	9.830283	9.73145
1584	M955T10	2.09544	1.067253	1.674061	0.134951	0.863645	UP	955.0439	955.0433	955.0443	9.946367	9.859233
1585	M396T10_	17.78966	4.152967	1.867693	0.135135	0.863645	UP	396.2241	396.2237	396.2244	9.961892	9.859233
1586	M351T44_	1.44713	-0.53319	-1.85816	0.135136	0.863645	DOWN	351.3255	351.3254	351.3257	43.97717	43.95667
1587	M420T9_3	1.519886	-0.60396	-1.75426	0.135229	0.863646	DOWN	420.3071	420.3064	420.3079	8.970583	8.93705
1588	M670T9_1	2.764849	1.467201	1.856658	0.135255	0.863646	UP	670.3419	670.3403	670.3426	9.443225	9.142767
1589	M479T9_7	1.339114	-0.42128	-1.66713	0.135489	0.863647	DOWN	479.2679	479.2639	479.2684	9.276658	8.952283
1590	M375T10_	2.015551	-1.01117	-1.66002	0.135515	0.863647	DOWN	374.8395	374.8389	374.8538	9.851867	9.8207
1591	M448T9_5	1.279475	-0.35555	-1.68099	0.135535	0.863647	DOWN	448.3762	448.3759	448.3766	9.294467	9.129317
1592	M617T10_	1.424513	-0.51047	-1.6751	0.135582	0.863647	DOWN	617.3217	617.3207	617.3282	10.24422	9.983433
1593	M242T11_	5.028556	2.330144	1.860873	0.135637	0.863648	UP	242.3578	242.3575	242.3581	10.93468	10.85838
1594	M393T9_3	1.462617	-0.54855	-1.66138	0.135674	0.863648	DOWN	392.6334	392.6301	392.6339	9.2386	8.978067
1595	M347T9_3	1.389353	-0.47441	-1.66482	0.135748	0.863648	DOWN	346.9947	346.9861	346.9948	9.390992	9.324917
1596	M395T9_1	1.662937	-0.73373	-1.73791	0.135864	0.863649	DOWN	395.3542	395.3536	395.3553	9.390083	9.145433
1597	M828T10_	1.312376	-0.39218	-1.66987	0.136121	0.86365	DOWN	828.3557	828.3551	828.3567	9.6501	9.52595
1598	M490T40_	1.16856	-0.22473	-1.81249	0.1362	0.86365	DOWN	490.2644	490.2643	490.2645	39.9925	39.93517
1599	M241T26	1.280689	0.35692	1.666944	0.136286	0.86365	UP	241.1795	241.1794	241.1796	25.68375	25.63983
1600	M532T37	1.524678	-0.6085	-1.66539	0.136357	0.863651	DOWN	532.3115	532.3112	532.3117	37.11017	36.88967
1601	M391T9_1	1.650545	-0.72294	-1.66116	0.136386	0.863651	DOWN	390.5565	390.5562	390.5565	9.450542	9.416817
1602	M559T10_	1.305468	-0.38457	-1.65789	0.136638	0.863652	DOWN	559.0077	559.0072	559.0106	9.88815	9.79535
1603	M568T10_	3.283462	1.715218	1.804741	0.136725	0.863652	UP	568.4257	568.4254	568.4263	9.932	9.859233
1604	M354T11_	1.239972	0.310308	1.777274	0.136915	0.863653	UP	353.6908	353.6906	353.6915	10.91977	10.879
1605	M885T10_	1.335518	-0.4174	-1.74174	0.136931	0.863653	DOWN	885.1749	885.1736	885.1758	9.94785	9.843367
1606	M465T16	1.388383	-0.47341	-1.69063	0.13719	0.863654	DOWN	465.2935	465.2934	465.2942	16.02337	16.00862
1607	M207T9_9	1.266363	-0.34069	-1.65197	0.137208	0.863654	DOWN	206.8792	206.8786	206.8799	9.341242	9.250817
1608	M775T10_	1.474536	0.560261	1.68982	0.137259	0.863655	UP	774.7158	774.7135	774.7171	9.948825	9.843367
1609	M1016T10	1.465367	0.551262	1.722036	0.137314	0.863655	UP	1015.677	1015.676	1015.681	9.834067	9.73145

1610	M557T11_	1.426908	-0.51289	-1.71258	0.137338	0.863655	DOWN	557.0135	557.0134	557.0148	10.66002	10.63825
1611	M332T9_2	1.320388	-0.40096	-1.66485	0.137374	0.863655	DOWN	331.5604	331.5601	331.5606	9.322983	9.234417
1612	M815T10_	1.674797	-0.74399	-1.65957	0.137478	0.863656	DOWN	814.5422	814.5416	814.5435	9.547092	9.40135
1613	M271T9_1	1.417971	-0.50383	-1.74807	0.137492	0.863656	DOWN	270.5176	270.5173	270.5177	8.825567	8.715883
1614	M195T9_1	1.503398	-0.58823	-1.65942	0.137502	0.863656	DOWN	195.0414	195.04	195.0416	9.307575	9.13445
1615	M571T20	1.467534	-0.55339	-1.66656	0.13755	0.863656	DOWN	571.4237	571.4237	571.4245	20.4905	20.47667
1616	M710T9_2	2.484188	-1.31277	-1.73213	0.137858	0.863657	DOWN	709.7919	709.7912	709.7922	8.791683	8.701267
1617	M382T40_	1.308034	-0.3874	-1.65765	0.137884	0.863657	DOWN	382.2433	382.2431	382.2433	40.40983	40.22283
1618	M295T9_4	1.504233	-0.58903	-1.66025	0.138023	0.863658	DOWN	294.7972	294.7967	294.7975	9.317	9.234417
1619	M339T10_	2.572148	1.362973	1.769693	0.13807	0.863658	UP	338.5252	338.525	338.5354	9.82645	9.715683
1620	M358T10_	1.34898	-0.43187	-1.83524	0.138186	0.863659	DOWN	357.8839	357.8837	357.884	9.8207	9.715683
1621	M412T9_1	1.35452	-0.43778	-1.66033	0.138276	0.863659	DOWN	412.3221	412.3221	412.3224	9.465	9.355317
1622	M431T9_1	2.617302	-1.38808	-1.71675	0.13835	0.863659	DOWN	431.4471	431.4469	431.4473	8.915283	8.892117
1623	M871T10_	2.393703	-1.25924	-1.75931	0.138367	0.863659	DOWN	871.379	871.3781	871.3794	9.640367	9.557333
1624	M863T10	1.574247	-0.65466	-1.65277	0.138409	0.86366	DOWN	862.7289	862.7276	862.7321	9.979667	9.932567
1625	M212T10_	1.498494	0.583514	1.746345	0.138621	0.86366	UP	212.3821	212.3739	212.387	9.827283	9.758367
1626	M475T9_5	2.197735	1.136017	1.671603	0.138652	0.863661	UP	474.9963	474.9895	474.9997	9.38665	9.158833
1627	M166T9_7	1.945932	-0.96046	-1.69714	0.138774	0.863661	DOWN	166.1728	166.1726	166.1731	9.317	9.250817
1628	M339T20_	1.486496	-0.57192	-1.71207	0.138945	0.863662	DOWN	339.3615	339.3609	339.3618	19.86417	19.73617
1629	M301T9_4	1.408691	-0.49436	-1.64494	0.139087	0.863662	DOWN	301.2962	301.2957	301.2969	9.280992	9.129317
1630	M883T10_	1.300136	-0.37866	-1.7704	0.139092	0.863662	DOWN	883.0777	883.0761	883.0785	9.956417	9.859233
1631	M754T31	1.372952	-0.45728	-1.79005	0.139123	0.863663	DOWN	753.5192	753.5185	753.5198	31.30567	31.28017
1632	M250T9_3	1.373231	-0.45757	-1.68936	0.139138	0.863663	DOWN	250.0177	250.0171	250.019	9.348233	9.2585
1633	M514T22	1.474114	-0.55985	-1.66196	0.13928	0.863663	DOWN	514.358	514.3577	514.3588	22.41633	22.383
1634	M372T23_	1.227823	-0.2961	-1.65638	0.139298	0.863663	DOWN	372.2376	372.2376	372.2379	23.08117	23.05933
1635	M245T9_4	1.632727	-0.70728	-1.6439	0.139316	0.863663	DOWN	244.9543	244.9536	244.9556	9.264333	9.207667
1636	M200T11_	1.678141	-0.74686	-1.69139	0.139323	0.863663	DOWN	199.8291	199.829	199.8293	10.91977	10.90197
1637	M613T9_3	1.226194	-0.29419	-1.73489	0.139342	0.863664	DOWN	613.3397	613.3393	613.3399	9.2817	9.219483
1638	M371T11_	1.339172	-0.42134	-1.73395	0.139348	0.863664	DOWN	371.0127	371.0086	371.0135	10.90548	10.88995
1639	M700T9_2	1.70115	-0.76651	-1.71381	0.139435	0.863664	DOWN	700.3128	700.3118	700.3131	9.29345	9.234417
1640	M267T9_2	1.558815	-0.64045	-1.64104	0.139575	0.863664	DOWN	266.9861	266.9846	266.9863	9.311883	9.279417
1641	M299T45_	1.770772	0.824378	1.783508	0.139591	0.863665	UP	299.185	299.1849	299.1852	44.79158	44.50883
1642	M564T41_	1.399737	-0.48516	-1.74507	0.139617	0.863665	DOWN	564.3013	564.3009	564.3016	40.70325	40.53917
1643	M196T9_7	1.850069	-0.88758	-1.64675	0.139624	0.863665	DOWN	196.2575	196.2574	196.2581	9.307217	9.174883
1644	M824T13	1.336795	-0.41878	-1.69426	0.139642	0.863665	DOWN	824.3609	824.3607	824.3615	12.96833	12.95282

1645	M321T16	1.70946	-0.77354	-1.65134	0.139705	0.863665	DOWN	321.2979	321.2976	321.2986	15.64571	15.5851
1646	M367T11_	1.454838	0.540858	1.641073	0.139744	0.863665	UP	367.1873	367.1871	367.188	10.94696	10.90785
1647	M333T10_	1.241106	-0.31163	-1.63949	0.139771	0.863665	DOWN	332.9534	332.9532	332.9537	9.872875	9.779267
1648	M253T11_	1.698249	0.764048	1.748182	0.139885	0.863666	UP	253.3115	253.3114	253.3117	10.8926	10.85018
1649	M295T9_6	1.419678	-0.50556	-1.69032	0.14001	0.863666	DOWN	295.0728	295.0723	295.0743	9.314442	9.234417
1650	M644T10_	2.001184	-1.00085	-1.79008	0.140047	0.863666	DOWN	643.9083	643.9075	643.9091	10.36838	10.34542
1651	M342T10_	1.323288	-0.40413	-1.77955	0.140069	0.863667	DOWN	341.667	341.6668	341.6673	9.82645	9.715683
1652	M596T10_	1.641584	-0.71509	-1.66503	0.140132	0.863667	DOWN	595.7232	595.7227	595.7236	9.505883	9.416817
1653	M463T11_	1.437503	-0.52357	-1.707	0.140467	0.863668	DOWN	463.1413	463.1411	463.1421	11.23882	11.20453
1654	M453T9_1	3.126084	1.644356	1.642147	0.140479	0.863668	UP	453.2673	453.2596	453.2731	9.321425	9.07145
1655	M984T10	1.422293	-0.50822	-1.75487	0.140482	0.863668	DOWN	983.7623	983.7621	983.7624	9.823575	9.715683
1656	M382T44_	1.308761	-0.3882	-1.82437	0.140646	0.863669	DOWN	382.2432	382.2431	382.2433	44.40125	44.3655
1657	M560T13	1.342386	0.4248	1.644266	0.140725	0.863669	UP	560.3667	560.3663	560.3675	13.08373	13.06962
1658	M1164T12	1.571444	-0.65209	-1.6533	0.140839	0.86367	DOWN	1164.093	1164.092	1164.095	12.23062	12.19362
1659	M559T22	1.416719	-0.50255	-1.63523	0.141005	0.86367	DOWN	559.4063	559.4055	559.4068	22.00508	21.9805
1660	M714T10_	1.568646	-0.64952	-1.65427	0.141109	0.863671	DOWN	714.0624	714.0624	714.063	9.8374	9.79485
1661	M187T10_	1.324347	-0.40528	-1.70904	0.141184	0.863671	DOWN	186.6232	186.6167	186.6233	9.930125	9.827283
1662	M398T9_2	1.49725	-0.58232	-1.67605	0.141325	0.863672	DOWN	397.9399	397.9386	397.9414	9.268217	9.1445
1663	M955T12	6.213815	-2.63548	-1.82679	0.141327	0.863672	DOWN	954.5707	954.5692	954.5708	11.64247	11.52295
1664	M232T10_	1.399034	-0.48443	-1.63273	0.141397	0.863672	DOWN	232.1524	232.1516	232.1532	9.830083	9.715683
1665	M281T10_	1.344447	-0.42701	-1.69727	0.141418	0.863672	DOWN	281.2821	281.2819	281.2823	9.923542	9.811217
1666	M422T11_	1.520441	-0.60449	-1.63472	0.14147	0.863672	DOWN	422.3315	422.3305	422.332	10.93428	10.90785
1667	M631T12_	1.493801	-0.57899	-1.72717	0.141816	0.863674	DOWN	631.3375	631.3313	631.3379	11.5936	11.28597
1668	M197T10_	1.253346	-0.32578	-1.74169	0.14187	0.863674	DOWN	196.7622	196.762	196.7624	9.830658	9.715683
1669	M224T18	1.301863	-0.38058	-1.69576	0.141886	0.863674	DOWN	224.0995	224.0994	224.0997	18.482	18.467
1670	M1781T10	1.369432	-0.45358	-1.65867	0.141898	0.863674	DOWN	1781.385	1781.383	1781.389	9.823317	9.715683
1671	M728T25	1.748817	0.806379	1.749761	0.141987	0.863674	UP	727.5261	727.5248	727.5266	24.66683	24.6525
1672	M265T10_	1.326199	-0.4073	-1.62967	0.142131	0.863675	DOWN	265.2972	265.297	265.3037	9.8207	9.699733
1673	M369T10_	2.00406	1.002926	1.633518	0.142178	0.863675	UP	368.9446	368.9441	368.9522	9.816167	9.79485
1674	M713T10_	1.181331	-0.24041	-1.63998	0.142249	0.863675	DOWN	713.4217	713.4214	713.4221	9.566317	9.46325
1675	M1554T10	1.63247	-0.70706	-1.81065	0.142333	0.863676	DOWN	1553.681	1553.68	1553.681	9.914217	9.822117
1676	M456T10_	1.599121	-0.67728	-1.62916	0.142346	0.863676	DOWN	455.722	455.7207	455.7223	9.931875	9.827283
1677	M479T10_	1.420554	-0.50645	-1.64228	0.142352	0.863676	DOWN	479.198	479.1975	479.2012	9.8397	9.715683
1678	M790T10_	1.157274	-0.21073	-1.67704	0.142426	0.863676	DOWN	790.2611	790.2601	790.2638	9.945258	9.843367
1679	M270T9_1	1.742796	-0.8014	-1.64975	0.142493	0.863676	DOWN	269.5223	269.5219	269.5235	9.280767	9.126783



1680	M562T43_	1.413604	-0.49938	-1.62654	0.142631	0.863677	DOWN	562.3218	562.3217	562.3222	42.74025	42.66833
1681	M217T10_	1.763294	0.818273	1.660551	0.142675	0.863677	UP	217.1231	217.115	217.1262	9.932558	9.556217
1682	M224T11_	1.854498	-0.89103	-1.64278	0.142677	0.863677	DOWN	224.1183	224.1182	224.1191	10.8914	10.89125
1683	M280T28	1.468425	-0.55427	-1.62567	0.142689	0.863677	DOWN	280.1904	280.1903	280.1907	28.34725	28.316
1684	M1781T10	1.150493	-0.20225	-1.62686	0.14291	0.863678	DOWN	1781.18	1781.179	1781.183	9.823575	9.728083
1685	M177T45	1.430896	0.516919	1.628037	0.142977	0.863678	UP	177.1271	177.1271	177.1272	44.88283	44.653
1686	M466T23_	3.058888	-1.61301	-1.76403	0.142982	0.863678	DOWN	466.3285	466.3282	466.3291	23.1245	23.10367
1687	M332T21	1.771102	0.824647	1.692657	0.142985	0.863678	UP	332.237	332.2369	332.2372	21.14283	21.108
1688	M657T27	1.837435	0.877693	1.659135	0.143203	0.863679	UP	657.3585	657.3583	657.3594	27.30533	27.25583
1689	M545T10_	1.381265	-0.46599	-1.75511	0.143286	0.86368	DOWN	545.4695	545.4688	545.47	9.970617	9.859233
1690	M580T17_	1.559608	-0.64118	-1.62773	0.143304	0.86368	DOWN	580.3755	580.3746	580.3764	16.51079	16.40297
1691	M1546T10	1.561593	-0.64302	-1.62339	0.14351	0.86368	DOWN	1546.003	1546	1546.005	9.93355	9.8378
1692	M293T10_	1.705843	-0.77048	-1.69316	0.143568	0.863681	DOWN	293.4733	293.473	293.4734	9.870433	9.79535
1693	M557T10_	1.257688	-0.33077	-1.74842	0.143595	0.863681	DOWN	556.5028	556.5024	556.5037	9.948875	9.843367
1694	M508T10_	1.439306	-0.52537	-1.69964	0.143717	0.863681	DOWN	507.6667	507.6665	507.6669	9.519183	9.40135
1695	M369T35	1.145182	-0.19558	-1.62117	0.143781	0.863681	DOWN	369.2998	369.2995	369.2998	34.89442	34.867
1696	M450T41_	1.406278	-0.49188	-1.73912	0.143801	0.863682	DOWN	450.2331	450.2331	450.2335	41.45292	41.273
1697	M277T9_3	1.442507	-0.52858	-1.66376	0.143837	0.863682	DOWN	277.3154	277.3144	277.3168	9.295208	9.1322
1698	M412T10_	1.236888	-0.30672	-1.62045	0.143897	0.863682	DOWN	412.2541	412.2536	412.2593	9.991758	9.972483
1699	M365T18_	2.038786	1.027711	1.744633	0.143905	0.863682	UP	365.2222	365.222	365.2224	18.36583	18.33483
1700	M702T10_	1.184854	-0.24471	-1.70257	0.143944	0.863682	DOWN	701.9237	701.9235	701.9242	9.82645	9.715683
1701	M312T14	1.163193	-0.21809	-1.65843	0.144217	0.863683	DOWN	312.232	312.2311	312.2321	13.79979	13.785
1702	M888T11_	2.394514	-1.25973	-1.72113	0.144224	0.863683	DOWN	888.03	888.0296	888.0301	11.33025	11.3207
1703	M189T9_1	2.749159	1.458991	1.758963	0.144246	0.863683	UP	189.2671	189.2658	189.2683	9.160725	9.064833
1704	M409T12_	1.690985	0.757864	1.638661	0.144332	0.863684	UP	409.3366	409.3356	409.3371	12.27392	12.22317
1705	M459T9_8	1.911775	-0.93491	-1.66253	0.144346	0.863684	DOWN	459.4703	459.4679	459.4714	8.892333	8.802417
1706	M288T22_	2.162531	1.112721	1.699294	0.144347	0.863684	UP	288.3041	288.3035	288.307	22.0235	21.76667
1707	M542T10_	1.23123	-0.3001	-1.7572	0.144349	0.863684	DOWN	541.7123	541.7119	541.7125	9.975142	9.859233
1708	M473T9_1	1.443936	-0.53001	-1.72888	0.14447	0.863684	DOWN	473.3828	473.3823	473.3837	9.329083	9.129317
1709	M372T9_5	1.781212	-0.83286	-1.61735	0.144484	0.863684	DOWN	372.3892	372.3891	372.3895	9.441	9.38665
1710	M229T12	2.239906	1.163438	1.785758	0.144525	0.863684	UP	229.1196	229.1193	229.1201	12.25235	12.23162
1711	M470T9_1	1.481519	-0.56708	-1.68161	0.144541	0.863684	DOWN	469.9943	469.9927	469.9957	9.29345	9.1445
1712	M1921T10	1.406135	0.491735	1.67792	0.144584	0.863685	UP	1920.666	1920.664	1920.667	9.840617	9.715683
1713	M215T9_3	1.996037	-0.99714	-1.66223	0.144633	0.863685	DOWN	214.7843	214.7838	214.785	9.227717	9.160617
1714	M579T9_1	1.534697	-0.61795	-1.68262	0.144773	0.863685	DOWN	578.5177	578.5138	578.5231	9.167733	9.1445

1715	M556T10_	1.294899	-0.37284	-1.64259	0.144815	0.863685	DOWN	555.7608	555.7605	555.7611	9.9014	9.79535
1716	M864T12	1.741669	-0.80047	-1.63944	0.144969	0.863686	DOWN	864.4446	864.4444	864.4449	12.09195	12.0457
1717	M425T15	3.981256	1.993224	1.805609	0.145058	0.863686	UP	425.3005	425.3	425.3014	15.07308	15.05857
1718	M302T10_	1.439788	-0.52586	-1.61472	0.145074	0.863686	DOWN	302.4132	302.4131	302.4133	9.816133	9.7124
1719	M364T9_6	1.441327	-0.5274	-1.61418	0.14519	0.863687	DOWN	364.0638	364.0634	364.064	9.314442	9.234417
1720	M716T9_4	1.346191	-0.42888	-1.63001	0.145206	0.863687	DOWN	716.1019	716.0997	716.1025	9.311167	9.129317
1721	M335T9_1	1.848823	0.886607	1.714037	0.145304	0.863687	UP	335.2273	335.2268	335.2274	9.317	9.24215
1722	M474T9_8	1.602395	-0.68023	-1.63423	0.145307	0.863687	DOWN	474.399	474.3975	474.3997	9.27355	9.046783
1723	M255T43_	1.210963	-0.27615	-1.69629	0.145341	0.863688	DOWN	255.1224	255.1223	255.1225	43.05675	42.812
1724	M382T38_	1.488766	-0.57412	-1.62207	0.145364	0.863688	DOWN	382.2432	382.243	382.2437	38.1295	37.87783
1725	M794T9_2	2.966141	-1.56859	-1.70119	0.145421	0.863688	DOWN	794.4134	794.4085	794.4151	8.742633	8.638817
1726	M580T9_1	1.526417	-0.61015	-1.69086	0.145479	0.863688	DOWN	579.768	579.7663	579.769	9.262217	9.174883
1727	M705T10_	1.25633	-0.32922	-1.72616	0.14548	0.863688	DOWN	705.0397	705.0392	705.0398	9.8207	9.715683
1728	M381T27	1.403577	-0.48911	-1.66695	0.145484	0.863688	DOWN	381.2977	381.2972	381.298	26.97233	26.95483
1729	M497T9_6	1.682285	0.750422	1.63263	0.145548	0.863688	UP	496.8726	496.8716	496.8767	9.250817	9.06315
1730	M653T10_	2.33625	-1.22419	-1.73199	0.145637	0.863689	DOWN	653.3599	653.3595	653.3602	9.82645	9.81635
1731	M299T36	1.143061	0.192902	1.766154	0.14581	0.863689	UP	299.1488	299.1487	299.1488	36.35075	36.1075
1732	M576T9_5	1.519296	-0.6034	-1.61666	0.145953	0.86369	DOWN	576.051	576.0503	576.0568	9.195192	9.1445
1733	M379T10_	20.26107	4.340638	1.801519	0.145967	0.86369	UP	378.5742	378.5738	378.575	9.969158	9.859233
1734	M424T11_	2.402865	-1.26476	-1.61027	0.146005	0.86369	DOWN	424.2065	424.2032	424.211	10.96008	10.84828
1735	M842T11_	2.243068	-1.16547	-1.70821	0.146017	0.86369	DOWN	842.0277	842.0274	842.028	11.10931	11.0962
1736	M723T28	1.869916	0.902973	1.635894	0.146158	0.863691	UP	723.4284	723.428	723.4289	27.69667	27.61033
1737	M908T11	3.506001	-1.80983	-1.78152	0.14631	0.863691	DOWN	908.0673	908.067	908.0684	11.427	11.37965
1738	M366T9_5	1.488717	-0.57407	-1.60883	0.146352	0.863691	DOWN	365.9906	365.9897	365.9923	9.241267	9.1445
1739	M151T41	1.331198	-0.41273	-1.68916	0.146364	0.863691	DOWN	151.1115	151.1114	151.1116	41.47683	41.3595
1740	M788T11_	1.451505	0.537549	1.608658	0.14639	0.863692	UP	788.0727	788.0719	788.0731	10.83252	10.80695
1741	M161T9_4	1.540474	-0.62337	-1.61017	0.14641	0.863692	DOWN	161.3504	161.3499	161.3508	9.312075	9.219483
1742	M558T9_2	1.607431	-0.68476	-1.61069	0.146421	0.863692	DOWN	558.4791	558.4757	558.4804	9.285192	9.1892
1743	M453T9_7	2.633539	-1.397	-1.75553	0.146452	0.863692	DOWN	452.9506	452.9459	452.9574	9.3072	9.18975
1744	M464T14	1.475327	-0.56104	-1.68274	0.146505	0.863692	DOWN	464.2902	464.29	464.2905	14.06248	14.03425
1745	M625T10_	2.244099	1.166136	1.664587	0.146514	0.863692	UP	624.6863	624.6817	624.6898	9.789375	9.715683
1746	M430T9_4	1.434656	-0.5207	-1.63113	0.146569	0.863692	DOWN	430.0624	430.0619	430.0632	9.311167	9.129317
1747	M247T9_2	1.659527	-0.73077	-1.72772	0.146597	0.863692	DOWN	246.6501	246.65	246.6551	9.353717	9.1322
1748	M411T11_	1.31284	-0.39269	-1.60872	0.146699	0.863693	DOWN	411.3214	411.3208	411.3217	11.09731	11.06392
1749	M384T11_	1.369538	-0.45369	-1.60849	0.146701	0.863693	DOWN	384.4836	384.4832	384.4838	10.90548	10.879

1750	M520T41_	1.737132	-0.79671	-1.73685	0.146917	0.863694	DOWN	520.275	520.2747	520.2753	41.38092	41.20117
1751	M848T10_	1.189952	-0.2509	-1.62395	0.146948	0.863694	DOWN	847.6705	847.6695	847.672	9.929017	9.811217
1752	M617T9_2	1.389162	0.474215	1.646482	0.147087	0.863694	UP	616.6652	616.665	616.6659	9.3471	9.22495
1753	M172T10_	1.25389	-0.32641	-1.73432	0.147092	0.863694	DOWN	172.4656	172.4655	172.4657	9.825492	9.715683
1754	M630T28	1.257644	-0.33072	-1.71431	0.147109	0.863694	DOWN	630.4422	630.4418	630.4424	28.2005	28.17133
1755	M1154T10	1.186278	-0.24644	-1.62102	0.147158	0.863694	DOWN	1153.784	1153.783	1153.786	9.7936	9.696683
1756	M187T9_4	2.205758	1.141274	1.720474	0.147162	0.863694	UP	187.1787	187.1784	187.1795	9.203483	9.111033
1757	M326T10_	1.506784	-0.59147	-1.68364	0.147345	0.863695	DOWN	325.9247	325.9243	325.9293	9.508883	9.40135
1758	M194T9_1	3.751209	1.907356	1.731294	0.14735	0.863695	UP	194.295	194.2944	194.2962	9.356517	9.126783
1759	M156T10_	1.639501	-0.71326	-1.61064	0.147382	0.863695	DOWN	156.1019	156.1016	156.1022	9.836367	9.715683
1760	M450T9_5	1.373048	-0.45738	-1.62404	0.147384	0.863695	DOWN	449.712	449.7112	449.7138	9.320067	9.129317
1761	M683T10_	1.177974	-0.23631	-1.6044	0.147411	0.863695	DOWN	683.438	683.4368	683.4394	9.8184	9.715683
1762	M245T41	1.42225	0.508176	1.616114	0.147441	0.863695	UP	245.138	245.1379	245.1382	41.07133	40.79817
1763	M281T43_	1.388147	-0.47316	-1.6422	0.147471	0.863696	DOWN	281.1744	281.1743	281.1745	42.86983	42.79767
1764	M504T21	1.411154	-0.49688	-1.61424	0.147538	0.863696	DOWN	503.8472	503.8469	503.8479	21.44667	21.39167
1765	M491T23_	1.444778	0.530847	1.657807	0.147554	0.863696	UP	491.3435	491.3432	491.3448	22.958	22.929
1766	M459T9_1	1.468296	-0.55414	-1.62837	0.147562	0.863696	DOWN	459.0477	459.0475	459.0482	9.294567	9.1445
1767	M403T11_	1.489017	0.57436	1.665514	0.147596	0.863696	UP	402.647	402.6457	402.6473	10.91301	10.88995
1768	M350T44_	1.81982	0.863796	1.668596	0.147735	0.863697	UP	350.2171	350.217	350.2173	43.94817	43.71833
1769	M701T10_	1.159126	-0.21304	-1.62394	0.147766	0.863697	DOWN	701.06	701.0598	701.0605	9.830083	9.715683
1770	M732T11_	2.319608	-1.21388	-1.71707	0.147832	0.863697	DOWN	731.9611	731.9606	731.9617	10.67149	10.64667
1771	M417T9_8	2.230219	1.157185	1.724628	0.147901	0.863697	UP	417.0517	417.0492	417.0528	9.22775	9.06855
1772	M598T22	1.313005	-0.39287	-1.66014	0.147906	0.863697	DOWN	598.4521	598.4519	598.4524	22.38783	22.36383
1773	M723T10_	1.290417	-0.36784	-1.74315	0.147915	0.863697	DOWN	723.0048	723.0041	723.0056	9.811408	9.7124
1774	M672T9_1	1.403945	-0.48949	-1.6023	0.147985	0.863697	DOWN	672.0216	672.0207	672.0221	9.25985	9.1445
1775	M315T43_	1.367369	0.451403	1.666212	0.148069	0.863698	UP	315.18	315.1799	315.18	42.82667	42.6395
1776	M1097T10	1.642425	-0.71583	-1.62702	0.1481	0.863698	DOWN	1096.762	1096.761	1096.768	9.8753	9.743767
1777	M371T26	1.829277	-0.87127	-1.73701	0.148295	0.863699	DOWN	371.3266	371.3263	371.3267	26.40067	26.39067
1778	M478T43_	1.968973	-0.97744	-1.65927	0.148303	0.863699	DOWN	478.2642	478.2641	478.2646	43.27233	43.0565
1779	M348T21_	2.704636	1.435434	1.603717	0.148348	0.863699	UP	348.2168	348.2166	348.2169	20.74917	20.72233
1780	M615T9_3	1.378373	-0.46297	-1.59961	0.148423	0.863699	DOWN	614.9695	614.9598	614.9698	9.233108	9.1503
1781	M187T38_	1.311505	-0.39122	-1.76582	0.148556	0.8637	DOWN	187.0962	187.0961	187.0963	37.93583	37.77683
1782	M255T43_	1.538006	-0.62106	-1.63692	0.148576	0.8637	DOWN	255.1224	255.1223	255.1225	42.53917	42.39483
1783	M1867T10	1.424826	-0.51079	-1.67673	0.148627	0.8637	DOWN	1866.739	1866.737	1866.74	9.830283	9.715683
1784	M344T10_	3.042195	-1.60511	-1.68078	0.148787	0.8637	DOWN	343.7839	343.7836	343.7845	9.809075	9.715683

1785	M256T10_	1.612841	0.689604	1.610855	0.148955	0.863701	UP	255.729	255.7211	255.7291	9.983467	9.859233
1786	M257T11_	1.383085	-0.46789	-1.63257	0.149073	0.863701	DOWN	256.5076	256.5074	256.5082	10.91234	10.879
1787	M501T9_2	1.496584	-0.58167	-1.60106	0.149119	0.863702	DOWN	500.852	500.8499	500.8542	9.183067	9.1445
1788	M576T25	2.143885	1.100228	1.70921	0.149164	0.863702	UP	576.3294	576.3291	576.3296	24.93517	24.92733
1789	M1111T11	1.617317	-0.6936	-1.63996	0.149206	0.863702	DOWN	1110.623	1110.622	1110.624	11.22813	11.19848
1790	M532T31	1.20147	-0.2648	-1.68218	0.14921	0.863702	DOWN	532.384	532.3837	532.3841	31.45917	31.44967
1791	M1968T10	1.185522	-0.24552	-1.76784	0.149252	0.863702	DOWN	1967.99	1967.989	1967.991	9.823575	9.715683
1792	M489T9_2	1.238453	0.308539	1.65795	0.149307	0.863702	UP	489.305	489.3028	489.3053	9.065842	8.95495
1793	M351T16_	1.910681	-0.93409	-1.70426	0.149372	0.863703	DOWN	351.1775	351.1773	351.1778	16.34881	16.18233
1794	M449T9_4	1.69039	-0.75736	-1.60219	0.149405	0.863703	DOWN	448.7251	448.7225	448.7266	9.219483	9.089733
1795	M462T39	1.183912	-0.24356	-1.68947	0.149458	0.863703	DOWN	462.2695	462.2693	462.2697	39.22267	39.05717
1796	M828T9_1	2.181048	-1.12502	-1.6611	0.14946	0.863703	DOWN	827.756	827.7553	827.7568	8.791683	8.686867
1797	M209T10_	3.179753	1.668915	1.769211	0.149566	0.863703	UP	208.5617	208.5615	208.5619	9.983467	9.8914
1798	M276T43_	1.369425	-0.45357	-1.60694	0.149577	0.863703	DOWN	276.1439	276.1438	276.1439	43.0855	42.88417
1799	M270T27	3.685955	-1.88204	-1.73715	0.149655	0.863704	DOWN	270.3151	270.3149	270.3153	27.31667	27.25633
1800	M213T10_	1.55273	-0.63481	-1.68806	0.149661	0.863704	DOWN	212.5507	212.5505	212.5577	9.831925	9.772883
1801	M536T41_	1.402091	0.48758	1.607269	0.149662	0.863704	UP	536.3061	536.3053	536.3063	40.77667	40.683
1802	M395T10_	2.421829	-1.2761	-1.65112	0.149721	0.863704	DOWN	395.346	395.3455	395.3464	9.964433	9.946367
1803	M452T9_5	1.474627	-0.56035	-1.59923	0.149785	0.863704	DOWN	452.2734	452.2727	452.2737	9.29565	9.129317
1804	M461T12	8.279762	-3.04959	-1.77809	0.149941	0.863705	DOWN	461.1482	461.1478	461.1486	12.03728	12.03522
1805	M594T10_	2.278855	-1.18831	-1.62328	0.150093	0.863705	DOWN	594.3885	594.3883	594.3886	9.947783	9.853533
1806	M397T9_5	4.381084	2.131288	1.771795	0.150098	0.863705	UP	397.2303	397.2275	397.2313	9.235933	8.94625
1807	M1903T10	1.462409	-0.54835	-1.63825	0.150145	0.863705	DOWN	1903.325	1903.323	1903.329	9.816317	9.715683
1808	M340T9_3	1.416964	-0.5028	-1.64058	0.150148	0.863705	DOWN	339.6731	339.673	339.6732	9.174867	9.1602
1809	M1165T10	1.64824	-0.72093	-1.62008	0.150321	0.863706	DOWN	1164.8	1164.797	1164.801	9.969925	9.885167
1810	M1993T10	1.340148	-0.42239	-1.63296	0.150334	0.863706	DOWN	1992.9	1992.898	1992.907	9.825492	9.715683
1811	M360T10_	1.199581	-0.26253	-1.60445	0.150351	0.863706	DOWN	359.7498	359.7497	359.75	9.825492	9.715683
1812	M583T9_4	1.591261	-0.67017	-1.67059	0.150418	0.863706	DOWN	582.7738	582.7693	582.7748	9.191133	9.142767
1813	M518T45	1.62703	-0.70224	-1.62796	0.150649	0.863707	DOWN	518.2956	518.2952	518.2957	44.91167	44.811
1814	M1494T10	1.492441	-0.57767	-1.6226	0.150652	0.863707	DOWN	1494.461	1494.459	1494.461	9.949233	9.827283
1815	M578T10_	1.296385	-0.37449	-1.59113	0.150702	0.863707	DOWN	578.454	578.4534	578.4543	9.964092	9.853533
1816	M657T9_2	1.754505	-0.81106	-1.62147	0.150772	0.863708	DOWN	656.9778	656.9766	656.9809	9.2796	9.234417
1817	M1351T10	1.333731	-0.41547	-1.64872	0.15078	0.863708	DOWN	1350.998	1350.997	1350.999	9.887133	9.859667
1818	M184T9_3	1.762863	-0.81792	-1.59381	0.150833	0.863708	DOWN	183.707	183.7064	183.708	9.311883	9.1322
1819	M276T44_	1.867818	0.901354	1.675569	0.150953	0.863708	UP	276.1439	276.1437	276.144	44.42275	44.308

1820	M478T9_6	5.62324	-2.4914	-1.76147	0.150959	0.863708	DOWN	478.3593	478.3467	478.3595	9.129317	8.98945
1821	M359T41	1.24928	-0.3211	-1.59382	0.150979	0.863708	DOWN	359.2062	359.2061	359.2065	41.17942	40.95633
1822	M647T9_2	1.435147	-0.5212	-1.58786	0.151008	0.863708	DOWN	646.6263	646.6259	646.6268	9.314442	9.234417
1823	M207T10_	1.271032	-0.346	-1.66176	0.151043	0.863709	DOWN	207.1229	207.1228	207.123	9.836042	9.715683
1824	M1949T10	1.32158	-0.40226	-1.72627	0.151085	0.863709	DOWN	1948.841	1948.84	1948.848	9.825492	9.715683
1825	M836T12	1.363118	0.44691	1.589896	0.151114	0.863709	UP	835.5672	835.5668	835.5677	12.39787	12.38278
1826	M213T20	1.357751	-0.44122	-1.69035	0.151133	0.863709	DOWN	213.1846	213.1845	213.1847	20.32433	20.30267
1827	M490T9_3	1.324739	-0.40571	-1.5928	0.151139	0.863709	DOWN	490.3205	490.3202	490.3208	9.40175	9.317167
1828	M193T9_1	1.573164	-0.65367	-1.58743	0.151208	0.863709	DOWN	193.2748	193.2747	193.2754	9.174992	9.132033
1829	M877T10_	1.540746	-0.62363	-1.59702	0.151261	0.863709	DOWN	877.4987	877.4984	877.5	9.758367	9.665433
1830	M296T11_	1.226728	-0.29482	-1.60806	0.151334	0.86371	DOWN	295.5888	295.5885	295.589	10.91372	10.8646
1831	M335T9_1	1.42612	-0.5121	-1.58598	0.151406	0.86371	DOWN	335.3495	335.3492	335.35	9.314442	9.234417
1832	M373T10_	4.172041	2.060753	1.744604	0.151449	0.86371	UP	373.2372	373.2332	373.2377	9.810767	9.715683
1833	M365T9_4	1.512495	-0.59693	-1.58656	0.15148	0.86371	DOWN	364.7361	364.7359	364.7363	9.314442	9.234417
1834	M953T9_2	2.188043	-1.12964	-1.71343	0.151488	0.86371	DOWN	953.295	953.2939	953.2958	8.82795	8.782183
1835	M250T9_2	1.659363	-0.73063	-1.68439	0.151491	0.86371	DOWN	249.9013	249.9011	249.9023	9.3558	9.280767
1836	M805T7	1.679841	-0.74832	-1.64669	0.151525	0.86371	DOWN	804.5137	804.5134	804.5138	7.024983	6.996867
1837	M890T10_	1.207545	-0.27208	-1.63687	0.151596	0.863711	DOWN	889.6593	889.6581	889.6598	9.94785	9.843367
1838	M578T20	1.253589	-0.32606	-1.58516	0.151627	0.863711	DOWN	578.3684	578.3683	578.369	19.71483	19.6705
1839	M291T14	1.615582	0.692054	1.614099	0.151756	0.863711	UP	291.2064	291.2059	291.2066	14.13649	14.12162
1840	M306T10_	1.761568	0.81686	1.593824	0.151831	0.863711	UP	306.2428	306.2426	306.243	10.35314	10.31147
1841	M207T10_	2.03017	1.0216	1.708604	0.151843	0.863711	UP	206.5193	206.5191	206.5271	9.825767	9.715683
1842	M359T9_5	1.404173	-0.48972	-1.67229	0.151923	0.863712	DOWN	359.0722	359.0678	359.0724	9.311883	9.158833
1843	M248T14	21.49907	-4.4262	-1.76692	0.151947	0.863712	DOWN	248.1675	248.1674	248.1677	13.68302	13.68265
1844	M336T9_6	1.536466	-0.61962	-1.58581	0.151968	0.863712	DOWN	336.0426	336.0418	336.0454	9.227675	9.1445
1845	M267T10_	1.591294	0.6702	1.60271	0.151982	0.863712	UP	267.099	267.0884	267.1002	9.979875	9.843367
1846	M374T9_2	1.967593	-0.97643	-1.5832	0.152149	0.863712	DOWN	373.7551	373.755	373.7552	9.246483	9.234417
1847	M259T9_1	1.553097	-0.63515	-1.59384	0.152237	0.863713	DOWN	258.9787	258.9784	258.9788	8.790425	8.686867
1848	M276T11_	2.058693	1.041729	1.671898	0.152389	0.863713	UP	276.196	276.1959	276.1961	10.91642	10.90393
1849	M1028T18	1.331891	-0.41348	-1.66016	0.1525	0.863714	DOWN	1028.461	1028.46	1028.462	17.56833	17.51067
1850	M1230T10	2.452315	-1.29414	-1.76204	0.152539	0.863714	DOWN	1229.71	1229.709	1229.711	10.31875	10.2501
1851	M844T10_	1.570326	-0.65106	-1.68613	0.152553	0.863714	DOWN	843.6287	843.6276	843.6301	9.900133	9.859233
1852	M343T21	1.983122	-0.98777	-1.64642	0.152558	0.863714	DOWN	343.2953	343.2952	343.2963	21.33733	21.3275
1853	M514T14	1.195876	-0.25807	-1.65474	0.152572	0.863714	DOWN	514.3609	514.3607	514.3615	14.384	14.3696
1854	M370T45	1.075037	-0.10439	-1.61653	0.152579	0.863714	DOWN	370.3678	370.3675	370.3679	44.70325	44.66817

1855	M504T10_	1.583774	-0.66337	-1.58566	0.152628	0.863714	DOWN	503.6538	503.6531	503.6549	10.39379	10.37437
1856	M704T10_	1.281046	-0.35732	-1.65474	0.152637	0.863714	DOWN	704.0307	704.0303	704.0335	9.83545	9.715683
1857	M606T10_	1.610397	-0.68742	-1.58213	0.152646	0.863714	DOWN	605.7494	605.7493	605.75	9.90185	9.874067
1858	M976T10_	1.408145	-0.4938	-1.66524	0.15273	0.863715	DOWN	975.9924	975.9919	975.9932	9.743317	9.649833
1859	M756T11_	2.320356	-1.21435	-1.73065	0.152969	0.863715	DOWN	755.9497	755.9497	755.9503	10.80047	10.73768
1860	M1953T10	1.538458	-0.62149	-1.57916	0.152972	0.863715	DOWN	1952.976	1952.974	1952.98	9.847542	9.6681
1861	M722T10_	1.752992	0.809819	1.5825	0.153057	0.863716	UP	722.3167	722.3154	722.3176	9.949233	9.843367
1862	M233T16	1.877698	-0.90897	-1.59296	0.153106	0.863716	DOWN	233.1169	233.1167	233.1173	16.31487	16.25792
1863	M508T42_	1.212026	-0.27742	-1.59794	0.153169	0.863716	DOWN	508.2747	508.2746	508.275	42.25117	42.093
1864	M1802T10	1.407385	-0.49302	-1.58095	0.153271	0.863716	DOWN	1802.431	1802.43	1802.432	9.823575	9.715683
1865	M438T11_	2.742889	-1.4557	-1.598	0.153291	0.863716	DOWN	437.5556	437.5524	437.5563	10.89237	10.84847
1866	M529T9_6	1.520404	-0.60445	-1.70542	0.153448	0.863717	DOWN	529.3872	529.3859	529.3884	9.25985	9.160617
1867	M1426T10	1.443277	-0.52935	-1.57968	0.15348	0.863717	DOWN	1425.592	1425.589	1425.595	9.9404	9.8378
1868	M432T22	1.882589	-0.91272	-1.6086	0.153585	0.863717	DOWN	432.3104	432.2994	432.3108	21.69433	21.40867
1869	M349T9_1	1.444863	-0.53093	-1.63325	0.153758	0.863718	DOWN	349.23	349.2264	349.2301	9.135642	8.889467
1870	M548T40_	1.250298	-0.32227	-1.7536	0.153796	0.863718	DOWN	548.3425	548.3422	548.343	39.748	39.70483
1871	M932T10_	1.503676	-0.58849	-1.57691	0.153858	0.863718	DOWN	932.2415	932.2402	932.242	9.958492	9.859233
1872	M354T9_6	1.360775	-0.44443	-1.59561	0.153914	0.863719	DOWN	354.2384	354.2383	354.2385	9.352667	9.17485
1873	M454T25	4.47408	2.161591	1.706846	0.153932	0.863719	UP	454.291	454.2907	454.2915	25.20117	25.18417
1874	M233T18	1.418897	-0.50477	-1.58075	0.153997	0.863719	DOWN	233.1744	233.1743	233.1745	18.30808	18.26967
1875	M219T11_	1.503023	-0.58787	-1.60094	0.154001	0.863719	DOWN	218.6329	218.6328	218.6333	10.91977	10.90197
1876	M394T9_1	1.733766	-0.79391	-1.57626	0.154089	0.863719	DOWN	394.4845	394.4837	394.4871	9.191433	9.089333
1877	M457T10_	1.581545	-0.66133	-1.6471	0.154109	0.863719	DOWN	456.7754	456.7748	456.7759	9.960817	9.859233
1878	M653T11_	1.391272	-0.4764	-1.58933	0.154201	0.86372	DOWN	653.3712	653.3704	653.3716	10.71197	10.6606
1879	M648T9_5	1.518674	-0.60281	-1.57654	0.154225	0.86372	DOWN	648.2186	648.2183	648.2196	9.314442	9.234417
1880	M254T11_	1.618249	-0.69443	-1.60313	0.154399	0.86372	DOWN	253.9975	253.9972	253.9977	10.85552	10.83252
1881	M469T9_1	1.793036	-0.8424	-1.57961	0.154606	0.863721	DOWN	468.9403	468.9395	468.9405	9.360617	9.174883
1882	M219T10_	1.601663	-0.67957	-1.57234	0.154645	0.863721	DOWN	219.3521	219.3519	219.3522	9.8374	9.73145
1883	M201T9_2	1.347641	-0.43044	-1.62815	0.154678	0.863721	DOWN	201.4647	201.464	201.4651	9.330283	9.26575
1884	M702T9_1	1.609089	-0.68624	-1.59582	0.154751	0.863721	DOWN	702.3674	702.3666	702.3688	9.29345	9.219483
1885	M313T45_	1.693024	-0.7596	-1.63722	0.154758	0.863721	DOWN	313.1644	313.1643	313.1646	44.60983	44.59533
1886	M272T10_	1.499826	0.584796	1.67452	0.154765	0.863721	UP	271.9732	271.9731	271.9737	9.886083	9.770733
1887	M658T10_	1.068605	-0.09573	-1.60479	0.154809	0.863722	DOWN	657.6795	657.679	657.6813	9.8397	9.715683
1888	M260T9_5	2.131938	-1.09217	-1.57133	0.154858	0.863722	DOWN	259.936	259.9357	259.9363	8.767783	8.686867
1889	M647T10_	1.49825	-0.58328	-1.62344	0.154993	0.863722	DOWN	647.1362	647.1357	647.1367	9.985117	9.8914

1890	M271T9_3	1.575515	-0.65582	-1.60947	0.155119	0.863723	DOWN	270.7133	270.713	270.7133	9.442533	9.370583
1891	M334T10_	1.161544	-0.21604	-1.66406	0.155144	0.863723	DOWN	334.299	334.2988	334.2994	9.83535	9.715683
1892	M543T10_	1.523574	-0.60746	-1.57582	0.155156	0.863723	DOWN	543.0365	543.0362	543.0392	9.88815	9.806367
1893	M404T9_9	1.454941	0.54096	1.633877	0.155163	0.863723	UP	404.4427	404.4425	404.4431	9.457083	9.370583
1894	M424T11_	2.350681	1.233079	1.56956	0.155192	0.863723	UP	424.1807	424.1777	424.1814	10.87636	10.86517
1895	M724T10_	1.37733	-0.46187	-1.65299	0.155199	0.863723	DOWN	723.9091	723.9089	723.9097	9.82645	9.699733
1896	M806T11_	1.478539	0.564172	1.585038	0.155325	0.863723	UP	806.0571	806.0557	806.0577	10.91111	10.8914
1897	M317T9_2	1.671141	0.740833	1.579245	0.155338	0.863723	UP	316.9162	316.9158	316.9166	9.3735	9.26575
1898	M480T41	1.261768	-0.33545	-1.57202	0.155734	0.863725	DOWN	480.2799	480.2798	480.2802	40.99983	40.79333
1899	M318T9_1	1.502869	-0.58772	-1.56656	0.155876	0.863725	DOWN	318.3831	318.3828	318.3834	9.24215	9.129317
1900	M291T9_5	1.427233	-0.51322	-1.60831	0.156169	0.863726	DOWN	290.7917	290.791	290.7919	9.008417	8.892117
1901	M1790T10	1.343678	-0.42619	-1.70357	0.156273	0.863727	DOWN	1789.519	1789.518	1789.522	9.82645	9.728083
1902	M358T40	1.187913	-0.24843	-1.56782	0.156288	0.863727	DOWN	358.2222	358.2222	358.2224	39.61842	39.40267
1903	M1876T10	1.304651	-0.38366	-1.70109	0.156354	0.863727	DOWN	1875.679	1875.676	1875.686	9.830283	9.715683
1904	M244T9_7	1.50053	-0.58547	-1.56492	0.15637	0.863727	DOWN	244.1335	244.1297	244.1349	9.268608	9.132267
1905	M168T10_	1.855833	-0.89207	-1.57965	0.156373	0.863727	DOWN	167.9654	167.9654	167.9655	9.924092	9.8378
1906	M890T10_	1.419215	-0.50509	-1.62685	0.156403	0.863727	DOWN	890.3508	890.3502	890.3516	9.611308	9.49445
1907	M557T9_2	1.311257	-0.39095	-1.69709	0.156552	0.863727	DOWN	556.9285	556.9182	556.93	9.206233	9.1445
1908	M616T21	1.361617	-0.44532	-1.65333	0.156552	0.863727	DOWN	616.4631	616.4628	616.4634	20.821	20.76567
1909	M408T10_	3.127779	1.645139	1.658433	0.156578	0.863728	UP	408.3169	408.3157	408.3172	9.960967	9.8914
1910	M996T12_	2.340641	-1.2269	-1.72729	0.156722	0.863728	DOWN	996.1197	996.118	996.1212	11.90427	11.88257
1911	M277T28	1.23356	-0.30283	-1.6126	0.156768	0.863728	DOWN	277.1796	277.1794	277.1798	27.95175	27.9245
1912	M209T43	1.238778	0.308918	1.577914	0.156876	0.863729	UP	209.1533	209.1532	209.1534	42.99208	42.62517
1913	M490T10_	1.693264	0.759807	1.708279	0.156984	0.863729	UP	489.9299	489.9293	489.9303	9.965892	9.843367
1914	M709T11_	2.324878	-1.21715	-1.68928	0.157176	0.86373	DOWN	709.4461	709.4457	709.4474	10.60208	10.5518
1915	M330T9_8	1.353051	-0.43622	-1.56102	0.157192	0.86373	DOWN	330.288	330.2815	330.295	9.263367	9.110833
1916	M732T10_	1.862421	-0.89718	-1.5787	0.15724	0.86373	DOWN	732.2863	732.2856	732.2865	9.772125	9.715683
1917	M388T11_	1.306007	-0.38516	-1.57907	0.157332	0.86373	DOWN	387.787	387.7823	387.7873	10.94443	10.8646
1918	M207T10_	1.271909	-0.347	-1.6321	0.157344	0.86373	DOWN	207.3609	207.3608	207.361	9.836042	9.715683
1919	M541T10_	1.522862	-0.60679	-1.57312	0.157349	0.86373	DOWN	540.7077	540.7074	540.7084	9.979667	9.90755
1920	M234T10_	1.42066	-0.50656	-1.62403	0.157472	0.86373	DOWN	233.549	233.5482	233.5587	9.830283	9.715683
1921	M206T9_2	2.385161	-1.25409	-1.55974	0.157491	0.863731	DOWN	206.4189	206.4186	206.4193	9.264258	9.160617
1922	M376T21	1.32781	-0.40905	-1.5934	0.157515	0.863731	DOWN	376.259	376.2588	376.2592	21.17525	21.15717
1923	M238T10_	1.579031	0.65904	1.677407	0.157576	0.863731	UP	238.1082	238.1042	238.1086	10.00385	9.8914
1924	M508T31	2.362648	1.240405	1.647531	0.157718	0.863731	UP	508.3396	508.3392	508.3405	31.0465	30.96817

1925	M528T9_1	1.623899	-0.69946	-1.57844	0.15779	0.863732	DOWN	527.5945	527.5912	527.5971	9.212775	9.129317
1926	M683T9_2	2.400476	-1.26332	-1.58834	0.157884	0.863732	DOWN	683.2106	683.21	683.2107	8.658083	8.629617
1927	M559T13	1.349261	-0.43217	-1.57649	0.157911	0.863732	DOWN	559.3611	559.36	559.3621	12.60203	12.5891
1928	M753T10_	1.482912	-0.56843	-1.58318	0.157991	0.863732	DOWN	753.4361	753.4352	753.4364	9.94405	9.6681
1929	M499T19	1.494354	0.579522	1.559981	0.158082	0.863732	UP	499.1755	499.1725	499.1766	19.14367	19.12633
1930	M357T10_	1.195263	-0.25733	-1.72059	0.158092	0.863733	DOWN	357.1196	357.1194	357.1198	9.823575	9.715683
1931	M676T10_	1.597906	0.676183	1.632581	0.158172	0.863733	UP	675.6139	675.6123	675.6145	9.8322	9.715683
1932	M364T11_	1.278907	-0.35491	-1.65005	0.158173	0.863733	DOWN	364.2201	364.2199	364.2203	11.2229	11.19848
1933	M671T10_	1.488011	-0.57338	-1.63636	0.158244	0.863733	DOWN	670.728	670.7275	670.7287	9.76065	9.683817
1934	M524T9_7	1.616712	-0.69306	-1.60231	0.158287	0.863733	DOWN	524.2834	524.2809	524.2867	9.29345	9.11405
1935	M519T9_2	1.807148	-0.85371	-1.61268	0.158348	0.863733	DOWN	518.627	518.6255	518.6281	9.28135	9.204617
1936	M1785T10	1.457283	-0.54328	-1.70761	0.158348	0.863733	DOWN	1785.444	1785.442	1785.446	9.8161	9.715683
1937	M725T9_2	1.233494	-0.30275	-1.57128	0.158417	0.863734	DOWN	724.9676	724.9653	724.968	8.985492	8.878667
1938	M378T45	4.986911	2.318147	1.727011	0.158435	0.863734	UP	378.2483	378.2481	378.2485	44.82533	44.59567
1939	M417T9_2	1.56544	-0.64657	-1.57983	0.158439	0.863734	DOWN	416.5582	416.5576	416.5584	9.329642	9.24215
1940	M657T10_	1.173454	-0.23076	-1.57183	0.15859	0.863734	DOWN	657.2421	657.2417	657.2427	9.830083	9.715683
1941	M229T9_1	1.677585	-0.74639	-1.62912	0.158611	0.863734	DOWN	228.5263	228.525	228.5264	9.294883	9.132267
1942	M331T9_5	1.282532	-0.35899	-1.59166	0.158873	0.863735	DOWN	330.9349	330.9347	330.9351	9.331083	9.234417
1943	M379T9_1	1.247886	-0.31949	-1.61273	0.158878	0.863735	DOWN	378.5784	378.5752	378.5787	8.94605	8.817367
1944	M214T9_1	3.067547	-1.61709	-1.70563	0.158995	0.863735	DOWN	214.3913	214.3903	214.3924	9.302758	9.142767
1945	M664T21	1.428476	-0.51448	-1.56103	0.159113	0.863736	DOWN	664.4607	664.46	664.4615	20.76367	20.72367
1946	M701T10_	1.383702	-0.46853	-1.55604	0.159169	0.863736	DOWN	700.8733	700.8729	700.8774	9.848417	9.759383
1947	M652T9_2	1.705454	-0.77016	-1.55324	0.159281	0.863736	DOWN	651.6301	651.6221	651.6309	9.249433	9.202433
1948	M381T43	1.070403	-0.09815	-1.65173	0.159336	0.863737	DOWN	381.3359	381.3359	381.3361	42.72617	42.697
1949	M476T9_3	1.463877	-0.54979	-1.56883	0.159409	0.863737	DOWN	475.6131	475.6036	475.6156	9.201583	9.129317
1950	M429T11_	1.294939	-0.37288	-1.55798	0.159413	0.863737	DOWN	428.886	428.8854	428.886	10.90628	10.88747
1951	M594T11_	1.47942	-0.56503	-1.55339	0.159414	0.863737	DOWN	594.4734	594.4731	594.4738	11.45394	11.41772
1952	M1387T10	1.439768	-0.52584	-1.62639	0.159456	0.863737	DOWN	1386.55	1386.548	1386.55	9.9677	9.869467
1953	M313T15	42.42613	5.406881	1.724842	0.159571	0.863737	UP	313.2848	313.2838	313.2849	14.52452	14.48632
1954	M536T40_	1.581628	0.66141	1.662066	0.159767	0.863738	UP	536.3062	536.3058	536.3065	40.3235	40.194
1955	M550T9_2	1.797591	-0.84607	-1.55308	0.159813	0.863738	DOWN	549.6743	549.6732	549.6746	9.278125	9.219483
1956	M765T25	2.357428	-1.23721	-1.61279	0.159818	0.863738	DOWN	764.5367	764.5367	764.5371	25.02075	25.01183
1957	M423T11_	1.934136	0.951689	1.554226	0.159819	0.863738	UP	423.4336	423.4275	423.4377	10.95643	10.91813
1958	M212T10_	1.623764	0.699342	1.630944	0.159861	0.863738	UP	212.3976	212.3974	212.4037	9.983467	9.8753
1959	M214T9_1	1.417573	-0.50342	-1.54956	0.159886	0.863738	DOWN	214.4586	214.4569	214.4595	9.28135	9.18975



1960	M288T23_	1.584241	-0.66379	-1.55673	0.159893	0.863738	DOWN	288.249	288.2393	288.2497	22.9725	22.8715
1961	M352T27_	1.959926	-0.9708	-1.61874	0.159995	0.863739	DOWN	352.2509	352.2507	352.2514	26.842	26.81017
1962	M510T44_	1.381469	-0.4662	-1.55029	0.160064	0.863739	DOWN	510.2905	510.2901	510.2907	44.38692	44.27917
1963	M326T10_	3.28125	1.714245	1.718512	0.160089	0.863739	UP	326.498	326.4978	326.4991	9.818525	9.699733
1964	M1040T10	1.422234	-0.50816	-1.54871	0.160096	0.863739	DOWN	1040.134	1040.133	1040.135	9.82645	9.715683
1965	M573T9_2	1.506917	-0.5916	-1.56296	0.160122	0.863739	DOWN	573.3049	573.304	573.3057	9.355633	9.220933
1966	M685T12_	1.696267	-0.76236	-1.64803	0.16018	0.863739	DOWN	684.7658	684.764	684.7659	12.06378	12.03483
1967	M458T9_7	1.726133	0.787544	1.584217	0.160267	0.863739	UP	458.1807	458.1798	458.183	9.383033	9.219483
1968	M349T10_	8.143996	3.025737	1.720982	0.160279	0.86374	UP	349.0458	349.0454	349.046	9.801958	9.683817
1969	M350T10_	1.46201	-0.54795	-1.55209	0.1604	0.86374	DOWN	349.77	349.7698	349.7701	9.841308	9.81635
1970	M212T9_5	1.671795	-0.7414	-1.55572	0.160417	0.86374	DOWN	211.9195	211.9184	211.9199	9.304867	9.264333
1971	M1794T10	1.322528	-0.4033	-1.54718	0.160449	0.86374	DOWN	1793.809	1793.806	1793.81	9.81635	9.715683
1972	M338T7	1.144767	-0.19505	-1.60857	0.160464	0.86374	DOWN	338.1934	338.1934	338.1938	7.302217	7.2707
1973	M701T9_1	1.636231	-0.71038	-1.54725	0.160513	0.86374	DOWN	700.908	700.9075	700.9083	9.311167	9.11405
1974	M423T19	1.439789	0.525857	1.604401	0.160555	0.86374	UP	423.3264	423.3259	423.3281	18.74633	18.673
1975	M624T10_	1.900974	-0.92674	-1.67934	0.16069	0.863741	DOWN	623.8711	623.8706	623.8716	10.32374	10.2501
1976	M489T10_	1.232909	0.302066	1.548711	0.160745	0.863741	UP	489.3566	489.3562	489.3568	9.8374	9.699733
1977	M473T9_1	1.683686	-0.75162	-1.59436	0.16076	0.863741	DOWN	473.3969	473.3966	473.3973	9.18975	9.160617
1978	M337T10_	3.597544	1.847012	1.670021	0.160769	0.863741	UP	336.8627	336.8551	336.8634	9.88865	9.840617
1979	M347T22	1.910127	0.933669	1.692658	0.16086	0.863741	UP	347.192	347.1917	347.1923	22.10067	22.088
1980	M333T10_	2.058722	-1.04175	-1.54556	0.160924	0.863742	DOWN	332.9054	332.9053	332.9056	9.794733	9.699733
1981	M712T9_3	2.010853	-1.00781	-1.56054	0.161036	0.863742	DOWN	712.0769	712.0762	712.0776	8.676792	8.586967
1982	M337T9_2	1.680635	-0.74901	-1.58531	0.161122	0.863742	DOWN	336.5952	336.5943	336.5977	9.152767	9.110833
1983	M537T11_	1.687755	0.755106	1.619129	0.161285	0.863743	UP	537.334	537.3336	537.3344	11.39547	11.36692
1984	M227T9_7	1.715825	-0.7789	-1.56564	0.161416	0.863743	DOWN	227.0832	227.0793	227.0869	8.73905	8.7035
1985	M360T9_1	1.522292	-0.60625	-1.59412	0.161428	0.863743	DOWN	360.4887	360.4886	360.4888	9.305225	9.234417
1986	M363T11_	1.270704	-0.34563	-1.63462	0.161479	0.863743	DOWN	363.2167	363.2165	363.2169	11.22813	11.19848
1987	M280T9_3	1.659455	-0.73071	-1.545	0.161625	0.863744	DOWN	280.0794	280.0789	280.0806	9.235933	9.145433
1988	M672T10_	1.221269	-0.28838	-1.56883	0.161732	0.863744	DOWN	671.912	671.911	671.9129	10.21885	10.14983
1989	M328T10_	1.216163	-0.28234	-1.61573	0.161814	0.863744	DOWN	328.2963	328.2959	328.2964	10.17587	10.08517
1990	M643T10_	2.355688	-1.23615	-1.68175	0.16185	0.863744	DOWN	643.4067	643.4064	643.407	10.41657	10.32768
1991	M199T9_5	1.680491	-0.74888	-1.55922	0.161852	0.863744	DOWN	199.0266	199.0262	199.0279	9.18975	9.132267
1992	M357T10_	1.251015	-0.3231	-1.69043	0.161864	0.863744	DOWN	356.7558	356.7556	356.756	9.823575	9.715683
1993	M221T9_8	1.923495	-0.94373	-1.55021	0.161966	0.863745	DOWN	220.8483	220.846	220.8491	9.215892	9.160617
1994	M197T10_	1.140389	-0.18953	-1.636	0.161967	0.863745	DOWN	197.3877	197.3809	197.3879	9.823575	9.699733

1995	M729T4	1.721806	0.783922	1.561878	0.161996	0.863745	UP	729.4515	729.451	729.4522	3.542983	3.30525
1996	M841T12	1.633647	-0.7081	-1.66431	0.162026	0.863745	DOWN	841.348	841.3472	841.3487	11.94687	11.91892
1997	M729T10_	1.35121	-0.43425	-1.64309	0.162038	0.863745	DOWN	729.4462	729.4458	729.4467	9.8207	9.715683
1998	M839T15	1.251637	-0.32382	-1.55779	0.162144	0.863745	DOWN	839.3887	839.3879	839.3915	15.48282	15.28145
1999	M343T9_1	1.783694	-0.83487	-1.57452	0.162163	0.863745	DOWN	342.591	342.5905	342.5913	9.340717	9.24215
2000	M378T10_	18.4384	4.204642	1.711055	0.16222	0.863746	UP	378.1585	378.1582	378.1591	9.901375	9.79535
2001	M276T41_	1.202747	-0.26633	-1.54831	0.162235	0.863746	DOWN	276.1802	276.18	276.1804	40.89183	40.61133
2002	M455T11_	1.518901	-0.60303	-1.55535	0.162269	0.863746	DOWN	454.9779	454.9778	454.9799	10.9049	10.88747
2003	M224T10_	1.385097	-0.46999	-1.55805	0.162298	0.863746	DOWN	223.812	223.8117	223.8127	9.816167	9.7124
2004	M388T43_	1.142164	0.19177	1.586915	0.162397	0.863746	UP	388.2326	388.2326	388.2329	43.40217	43.3445
2005	M708T9	1.446936	-0.533	-1.59582	0.162405	0.863746	DOWN	708.2162	708.2152	708.2168	9.294467	9.129317
2006	M364T11_	2.128845	1.090071	1.565383	0.162548	0.863747	UP	364.1552	364.1545	364.1557	11.18767	11.17813
2007	M472T9_1	5.336297	-2.41584	-1.64974	0.162601	0.863747	DOWN	472.3439	472.3432	472.3452	9.104833	9.060817
2008	M157T10_	1.407376	-0.49301	-1.62152	0.162618	0.863747	DOWN	157.2116	157.2116	157.2168	9.931675	9.827283
2009	M1059T11	1.431334	-0.51736	-1.58463	0.162641	0.863747	DOWN	1058.557	1058.556	1058.558	10.89355	10.88747
2010	M364T9_9	1.723294	0.785169	1.597119	0.162732	0.863747	UP	364.125	364.1232	364.1286	9.337367	9.0839
2011	M441T9	1.928716	0.947641	1.640916	0.162794	0.863747	UP	441.0834	441.0827	441.0847	9.29345	9.110833
2012	M171T10_	2.040967	-1.02925	-1.56931	0.162803	0.863747	DOWN	171.2979	171.2978	171.298	9.842	9.699733
2013	M454T42_	1.386482	0.471429	1.580884	0.162825	0.863747	UP	454.2642	454.2641	454.2645	41.978	41.76233
2014	M953T10_	1.512648	-0.59708	-1.63996	0.162907	0.863748	DOWN	953.0627	953.0619	953.0644	9.880075	9.743767
2015	M680T23_	1.355217	-0.43852	-1.55829	0.162913	0.863748	DOWN	679.5111	679.5109	679.5114	23.04533	23.0305
2016	M1186T10	2.154661	-1.10746	-1.67084	0.162976	0.863748	DOWN	1185.683	1185.681	1185.685	10.24737	10.19852
2017	M643T10_	1.248934	-0.3207	-1.53932	0.163064	0.863748	DOWN	643.4992	643.4989	643.4998	9.802117	9.728083
2018	M199T10_	1.355861	0.439209	1.569286	0.163072	0.863748	UP	199.3102	199.3099	199.3104	9.975217	9.859233
2019	M307T24_	1.517938	-0.60211	-1.5431	0.16313	0.863748	DOWN	307.2934	307.2932	307.2936	24.26733	24.24717
2020	M308T10_	1.26604	-0.34032	-1.59303	0.16333	0.863749	DOWN	308.2025	308.2023	308.2025	9.962617	9.843367
2021	M212T10_	1.395931	-0.48123	-1.55316	0.163398	0.863749	DOWN	211.7789	211.7786	211.7794	9.816175	9.715683
2022	M1377T10	1.382267	-0.46704	-1.59796	0.163412	0.863749	DOWN	1376.992	1376.99	1376.994	9.851025	9.747533
2023	M431T9_1	1.362897	-0.44668	-1.58946	0.163437	0.863749	DOWN	430.5284	430.5277	430.5299	8.930317	8.7891
2024	M340T10_	1.35146	-0.43452	-1.63143	0.163467	0.863749	DOWN	339.7669	339.7668	339.7673	9.507075	9.38595
2025	M676T9_1	1.383525	-0.46835	-1.56762	0.163493	0.863749	DOWN	675.6517	675.6511	675.6535	9.313325	9.20785
2026	M414T11_	1.266125	-0.34042	-1.62851	0.163554	0.86375	DOWN	413.5762	413.576	413.5778	10.90659	10.88747
2027	M644T9_1	2.761684	-1.46555	-1.57759	0.163568	0.86375	DOWN	644.1118	644.111	644.1122	9.325333	9.275917
2028	M519T10_	1.434661	-0.52071	-1.53751	0.163668	0.86375	DOWN	518.6634	518.6628	518.6638	10.45568	10.40807
2029	M353T11_	1.987658	-0.99107	-1.54224	0.163803	0.86375	DOWN	352.8641	352.8633	352.8649	10.8926	10.879

2030	M673T9_2	1.256411	-0.32931	-1.53973	0.163824	0.86375	DOWN	673.34	673.3396	673.3406	9.389617	9.30965
2031	M327T45_	1.575949	-0.65622	-1.57902	0.163827	0.86375	DOWN	327.2163	327.2162	327.2166	44.811	44.61
2032	M450T9_9	2.829737	1.500668	1.690813	0.163938	0.863751	UP	450.3546	450.3492	450.3606	9.311167	9.0839
2033	M349T10_	2.105286	-1.07402	-1.53335	0.16396	0.863751	DOWN	348.8975	348.8974	348.8976	9.812417	9.715683
2034	M266T15_	1.759867	0.815466	1.583884	0.164004	0.863751	UP	266.1536	266.1531	266.1541	15.43913	15.35868
2035	M431T9_1	1.354956	-0.43825	-1.53908	0.164005	0.863751	DOWN	431.3166	431.3156	431.3187	9.276658	9.06855
2036	M555T10_	1.319016	-0.39946	-1.57798	0.164075	0.863751	DOWN	554.7475	554.7471	554.7476	9.902617	9.79535
2037	M320T10_	1.091645	-0.1265	-1.53391	0.164081	0.863751	DOWN	319.8316	319.8312	319.8331	9.828367	9.715683
2038	M359T45	1.344761	0.42735	1.532419	0.164116	0.863751	UP	359.2064	359.2062	359.2064	44.93933	44.81083
2039	M335T9_3	1.363896	-0.44773	-1.54296	0.164125	0.863751	DOWN	334.7237	334.7232	334.7241	9.183833	9.145433
2040	M612T9_6	1.457647	-0.54364	-1.53082	0.164377	0.863752	DOWN	611.9495	611.9489	611.9511	9.314442	9.234417
2041	M854T16_	2.348713	-1.23187	-1.62374	0.164388	0.863752	DOWN	854.4499	854.4492	854.4516	16.2856	16.23408
2042	M667T13	1.502971	-0.58782	-1.53094	0.164393	0.863752	DOWN	667.4794	667.479	667.4806	12.95248	12.9227
2043	M368T11_	1.407606	-0.49324	-1.64907	0.164452	0.863752	DOWN	367.5431	367.5429	367.5434	10.92253	10.90553
2044	M373T11_	1.715238	-0.77841	-1.57877	0.164485	0.863752	DOWN	373.3968	373.3962	373.3985	10.89193	10.85018
2045	M223T9	1.379248	-0.46388	-1.57887	0.164521	0.863753	DOWN	223.4876	223.4873	223.4877	8.976033	8.90715
2046	M636T43_	1.656936	-0.72852	-1.54179	0.164712	0.863753	DOWN	636.359	636.3586	636.3594	42.7835	42.53883
2047	M331T10_	1.295496	-0.3735	-1.67869	0.165041	0.863754	DOWN	331.443	331.4428	331.4435	9.825392	9.699733
2048	M1558T10	1.640851	-0.71444	-1.58002	0.165052	0.863754	DOWN	1558.416	1558.415	1558.416	9.886608	9.806367
2049	M525T9_4	1.506801	-0.59149	-1.55582	0.16506	0.863754	DOWN	525.1735	525.1734	525.174	9.16125	9.12675
2050	M666T10_	2.424909	-1.27793	-1.63349	0.165098	0.863754	DOWN	665.9211	665.9205	665.922	10.4923	10.40882
2051	M468T41	1.288719	-0.36594	-1.59235	0.165125	0.863754	DOWN	468.2798	468.2797	468.2801	40.942	40.87017
2052	M602T45	1.194172	0.25601	1.533118	0.165205	0.863755	UP	601.9413	601.9412	601.9422	44.98342	44.98333
2053	M487T16	1.402363	-0.48786	-1.60722	0.165285	0.863755	DOWN	487.2752	487.2744	487.2761	16.02312	15.99417
2054	M420T45	1.579796	0.659738	1.679366	0.165333	0.863755	UP	420.2226	420.2225	420.2228	44.926	44.72467
2055	M435T20	1.31632	-0.39651	-1.54834	0.165381	0.863755	DOWN	435.2485	435.2482	435.2486	20.17283	20.17217
2056	M478T9_5	1.278726	-0.35471	-1.58201	0.165396	0.863755	DOWN	478.3363	478.3318	478.3463	9.168108	9.009533
2057	M392T9_4	2.324653	1.217015	1.581181	0.165427	0.863755	UP	391.9962	391.9932	391.9966	9.271333	9.245983
2058	M473T9_1	1.258755	-0.332	-1.52893	0.16543	0.863755	DOWN	472.564	472.5637	472.5646	9.295167	9.129317
2059	M373T39_	1.778084	-0.83032	-1.59672	0.165471	0.863755	DOWN	373.2218	373.2217	373.2221	38.7265	38.40983
2060	M214T9_9	2.558185	-1.35512	-1.5389	0.16557	0.863756	DOWN	213.8076	213.8072	213.809	9.295492	9.146383
2061	M587T28	1.400829	-0.48628	-1.56079	0.165577	0.863756	DOWN	587.4193	587.4188	587.42	28.18658	28.14183
2062	M450T9_4	1.717073	-0.77995	-1.57609	0.165649	0.863756	DOWN	449.6487	449.6434	449.6505	9.235933	9.03845
2063	M790T11_	1.733319	-0.79354	-1.53148	0.165652	0.863756	DOWN	790.3716	790.3714	790.3727	10.62363	10.5836
2064	M361T9_6	1.615797	0.692246	1.555666	0.165745	0.863756	UP	361.2592	361.2583	361.2626	9.230817	9.09495

2065	M191T11_	1.511145	-0.59564	-1.57665	0.165832	0.863756	DOWN	190.8459	190.8458	190.846	10.88141	10.83572
2066	M387T24	2.118234	1.082862	1.686158	0.165858	0.863757	UP	387.1929	387.1927	387.193	24.32775	24.30217
2067	M785T28	1.464213	0.550126	1.563681	0.165901	0.863757	UP	785.4853	785.4843	785.4863	27.84208	27.76717
2068	M545T9_1	1.631205	-0.70594	-1.52487	0.165914	0.863757	DOWN	545.1305	545.1225	545.131	9.264333	9.174967
2069	M680T39	1.282155	-0.35857	-1.64665	0.165924	0.863757	DOWN	680.3857	680.3852	680.3858	38.99267	38.81267
2070	M623T9_6	1.791848	-0.84145	-1.5288	0.165925	0.863757	DOWN	623.4458	623.4454	623.4474	9.377342	9.324917
2071	M705T10_	1.402518	0.488019	1.550314	0.166441	0.863758	UP	705.0889	705.0864	705.0896	9.842	9.65225
2072	M208T12	3.124314	-1.64354	-1.66521	0.166445	0.863758	DOWN	208.0748	208.0747	208.075	12.06433	12.06353
2073	M370T9_1	1.367064	-0.45108	-1.52366	0.166985	0.86376	DOWN	369.508	369.5078	369.5089	9.160258	9.130683
2074	M272T18	1.769262	0.823148	1.667686	0.167064	0.86376	UP	272.1854	272.1853	272.1854	17.99633	17.98167
2075	M268T10_	3.032695	1.600601	1.651324	0.167078	0.86376	UP	267.7655	267.7546	267.766	9.932567	9.665433
2076	M356T10_	4.070758	2.025297	1.677771	0.167246	0.863761	UP	356.2544	356.254	356.2654	9.595867	9.275917
2077	M345T11_	1.263897	0.337879	1.556074	0.16731	0.863761	UP	344.7546	344.7542	344.7562	10.94962	10.90548
2078	M1883T10	1.302965	-0.3818	-1.55943	0.167319	0.863761	DOWN	1882.996	1882.995	1883	9.825492	9.715683
2079	M229T10_	2.731521	1.449705	1.652435	0.167474	0.863761	UP	229.1407	229.1407	229.1409	9.59825	9.478833
2080	M314T10_	1.173453	-0.23076	-1.58575	0.16748	0.863761	DOWN	314.3878	314.3873	314.3884	9.983467	9.8753
2081	M177T18	1.332874	-0.41454	-1.60889	0.16748	0.863761	DOWN	177.0544	177.0543	177.0545	18.49692	18.48167
2082	M278T11_	1.748925	-0.80647	-1.59285	0.167501	0.863761	DOWN	278.237	278.2367	278.2372	10.76537	10.74033
2083	M598T20	1.310212	-0.3898	-1.52411	0.167506	0.863761	DOWN	598.4523	598.452	598.4526	20.44767	20.41833
2084	M376T10_	1.391501	0.476642	1.539193	0.167534	0.863761	UP	376.2062	376.1965	376.2064	9.972217	9.63045
2085	M464T10_	1.314714	0.394749	1.634676	0.167567	0.863762	UP	463.9533	463.9527	463.9535	9.967367	9.790617
2086	M178T9_1	1.798368	0.846688	1.585355	0.167594	0.863762	UP	178.3718	178.3715	178.372	9.176542	9.09495
2087	M324T10_	1.09036	-0.1248	-1.63859	0.167598	0.863762	DOWN	324.2508	324.2505	324.2511	9.8207	9.699733
2088	M343T10_	1.183385	-0.24292	-1.53083	0.167636	0.863762	DOWN	343.048	343.0477	343.0482	9.825492	9.715683
2089	M453T25	1.435791	0.521846	1.525061	0.167651	0.863762	UP	453.1669	453.1666	453.1673	24.6005	24.58017
2090	M587T12	1.607258	0.684601	1.594031	0.167676	0.863762	UP	587.4167	587.4164	587.4169	11.67752	11.66582
2091	M444T10_	1.674594	0.743811	1.519408	0.167721	0.863762	UP	443.5059	443.5057	443.5059	9.999217	9.8914
2092	M177T30	1.92035	0.941369	1.516703	0.167818	0.863762	UP	177.1119	177.1115	177.1119	30.237	30.209
2093	M297T10_	1.589845	-0.66889	-1.62793	0.167819	0.863762	DOWN	296.5065	296.5065	296.5066	9.964092	9.869467
2094	M740T9_2	1.278932	-0.35494	-1.5548	0.167871	0.863762	DOWN	739.8411	739.8398	739.8414	9.322542	9.234417
2095	M790T10_	1.449985	-0.53604	-1.51991	0.168008	0.863763	DOWN	789.7456	789.7435	789.7479	9.93035	9.822117
2096	M377T10_	1.448738	0.534797	1.516385	0.168026	0.863763	UP	377.0138	377.0135	377.0143	9.967367	9.859233
2097	M422T11_	1.348404	-0.43125	-1.51821	0.16804	0.863763	DOWN	422.312	422.3102	422.313	10.71765	10.61512
2098	M397T9_4	1.314032	-0.394	-1.52656	0.168065	0.863763	DOWN	397.1737	397.173	397.175	9.280992	9.129317
2099	M304T24	1.202538	-0.26608	-1.53085	0.168102	0.863763	DOWN	304.2843	304.2842	304.2845	23.8275	23.806

2100	M189T9_1	2.544666	1.347476	1.613031	0.168106	0.863763	UP	189.2486	189.2378	189.2494	9.174967	9.0839
2101	M621T10_	1.942308	-0.95777	-1.60672	0.168133	0.863763	DOWN	621.3936	621.3933	621.3944	10.31292	10.26307
2102	M1272T10	2.228897	1.15633	1.60702	0.168187	0.863763	UP	1271.809	1271.809	1271.81	9.983467	9.8753
2103	M1229T10	2.462771	1.300283	1.648983	0.168202	0.863763	UP	1229.491	1229.488	1229.497	9.847125	9.73145
2104	M334T10_	1.180069	-0.23887	-1.63553	0.168346	0.863764	DOWN	333.8121	333.8119	333.8125	9.843017	9.715683
2105	M406T21_	1.267908	-0.34245	-1.51714	0.168473	0.863764	DOWN	406.3524	406.3522	406.3525	21.06475	21.04317
2106	M197T45	1.494065	-0.57924	-1.58863	0.168564	0.863764	DOWN	197.1533	197.1533	197.1534	44.92583	44.83967
2107	M1020T11	1.249561	0.321421	1.513564	0.168685	0.863765	UP	1019.774	1019.774	1019.775	10.9119	10.879
2108	M436T10_	2.140688	1.098075	1.582475	0.168699	0.863765	UP	436.1352	436.1351	436.1356	9.960967	9.8753
2109	M468T10_	1.395569	0.480853	1.52265	0.168768	0.863765	UP	468.193	468.1922	468.1932	9.9754	9.8753
2110	M416T10_	1.45047	-0.53652	-1.52931	0.168887	0.863765	DOWN	415.7644	415.764	415.7649	9.9351	9.8378
2111	M552T42_	1.169419	-0.22579	-1.66227	0.168963	0.863766	DOWN	552.3012	552.301	552.3013	42.45267	42.38067
2112	M399T9_8	1.718799	-0.7814	-1.51959	0.16905	0.863766	DOWN	399.1151	399.1101	399.1167	9.235175	9.1428
2113	M355T10_	2.336641	1.224436	1.530054	0.169106	0.863766	UP	354.876	354.8757	354.8763	9.78305	9.665433
2114	M386T9_4	1.634463	0.708817	1.51346	0.169207	0.863766	UP	385.7748	385.7727	385.7751	8.753167	8.670133
2115	M488T42	1.571779	-0.6524	-1.5486	0.169255	0.863766	DOWN	488.2849	488.2848	488.2852	42.11425	41.73317
2116	M415T9_2	2.309435	1.20754	1.628415	0.169395	0.863767	UP	414.5917	414.5899	414.5958	9.355917	9.06855
2117	M607T10_	2.509194	1.327224	1.600512	0.169404	0.863767	UP	607.1426	607.1418	607.1435	9.975217	9.8753
2118	M704T10_	3.968735	1.988679	1.671127	0.169472	0.863767	UP	703.8911	703.8903	703.8916	9.970617	9.843367
2119	M874T10_	1.39108	-0.47621	-1.52895	0.1695	0.863767	DOWN	874.4709	874.4698	874.472	9.66805	9.58735
2120	M570T7	1.284125	-0.36079	-1.50976	0.169546	0.863767	DOWN	570.4776	570.477	570.479	7.057133	6.954633
2121	M670T10_	1.357635	-0.4411	-1.56047	0.169551	0.863767	DOWN	670.4013	670.4001	670.4016	9.744183	9.62055
2122	M506T9_2	1.874057	-0.90617	-1.50979	0.169575	0.863767	DOWN	505.8713	505.8687	505.8724	9.256525	9.175017
2123	M260T24	1.334818	-0.41664	-1.5173	0.169614	0.863767	DOWN	260.1681	260.1679	260.1684	24.20383	24.1715
2124	M394T12	3.656315	-1.87039	-1.63124	0.169773	0.863768	DOWN	394.2223	394.2125	394.2225	12.04834	11.87323
2125	M1480T9	1.924005	-0.94411	-1.52916	0.1698	0.863768	DOWN	1479.564	1479.561	1479.568	9.437367	9.297883
2126	M259T20	1.236347	-0.30608	-1.51863	0.169812	0.863768	DOWN	259.169	259.1689	259.1691	20.17233	20.15783
2127	M421T10_	1.389809	0.474887	1.509338	0.169832	0.863768	UP	421.0453	421.045	421.0458	9.970617	9.859233
2128	M182T10_	1.520131	-0.6042	-1.57296	0.169875	0.863768	DOWN	181.909	181.9089	181.909	9.914217	9.822117
2129	M245T39_	1.298059	0.376356	1.552124	0.169881	0.863768	UP	245.138	245.1379	245.1382	39.08617	39.043
2130	M1862T10	1.244053	-0.31505	-1.5659	0.169947	0.863768	DOWN	1862.188	1862.187	1862.189	9.8374	9.73145
2131	M272T10_	2.716745	1.441879	1.610025	0.169958	0.863768	UP	271.8642	271.8614	271.8672	9.743158	9.595867
2132	M378T10_	1.189177	-0.24996	-1.5577	0.17003	0.863769	DOWN	377.5913	377.591	377.592	9.961892	9.859233
2133	M480T18	1.259743	-0.33313	-1.51438	0.17009	0.863769	DOWN	480.3586	480.3583	480.3591	17.527	17.51067
2134	M434T25_	5.510386	-2.46215	-1.66985	0.170105	0.863769	DOWN	434.3308	434.3303	434.331	24.58967	24.5795

2135	M417T43_	1.470848	-0.55665	-1.55038	0.170633	0.86377	DOWN	417.248	417.2477	417.2483	43.29417	42.913
2136	M742T10_	1.426576	-0.51256	-1.55918	0.170659	0.86377	DOWN	741.9298	741.9286	741.9301	10.14225	9.840617
2137	M225T43_	1.208324	-0.27301	-1.65872	0.170748	0.863771	DOWN	225.1482	225.1481	225.1483	42.9775	42.86967
2138	M556T9_7	1.528023	-0.61167	-1.53178	0.170778	0.863771	DOWN	556.2803	556.2792	556.2804	8.658083	8.643767
2139	M992T10	1.440166	-0.52623	-1.58445	0.170861	0.863771	DOWN	991.9684	991.9669	991.9721	9.810125	9.636483
2140	M1959T10	1.18453	-0.24432	-1.65651	0.170914	0.863771	DOWN	1958.606	1958.605	1958.607	9.823575	9.715683
2141	M347T10_	1.229861	-0.2985	-1.53092	0.170993	0.863771	DOWN	346.8955	346.8953	346.8958	9.849433	9.715683
2142	M389T11_	1.152521	-0.20479	-1.5194	0.171036	0.863771	DOWN	388.5359	388.5357	388.5362	10.90659	10.879
2143	M520T10_	1.456824	-0.54283	-1.53719	0.171089	0.863771	DOWN	520.3155	520.3141	520.3157	10.45967	10.39197
2144	M455T9_3	1.626069	-0.70139	-1.50625	0.171108	0.863772	DOWN	454.5624	454.5604	454.5632	9.274067	9.174917
2145	M579T10_	1.206623	-0.27097	-1.56279	0.171142	0.863772	DOWN	579.3775	579.3773	579.3778	9.597658	9.49445
2146	M200T9_1	1.82109	-0.8648	-1.51789	0.171185	0.863772	DOWN	199.5074	199.5058	199.5084	9.340183	9.07525
2147	M624T9_1	2.669419	-1.41653	-1.60258	0.171419	0.863772	DOWN	623.5685	623.5675	623.5694	8.661258	8.601067
2148	M226T17	1.464958	-0.55086	-1.61836	0.171438	0.863772	DOWN	226.1991	226.199	226.1994	16.88433	16.82617
2149	M588T12	1.658892	0.73022	1.59763	0.171522	0.863773	UP	588.4203	588.42	588.4205	11.68251	11.65717
2150	M358T37	1.269864	-0.34467	-1.56082	0.171525	0.863773	DOWN	358.2223	358.2221	358.2225	37.48183	37.331
2151	M557T9_4	1.384078	-0.46893	-1.52121	0.171592	0.863773	DOWN	557.1134	557.1094	557.1162	9.255925	9.1445
2152	M828T11	1.435175	-0.52123	-1.54947	0.171668	0.863773	DOWN	828.2546	828.2539	828.2563	10.9049	10.879
2153	M521T11_	1.372431	-0.45673	-1.52146	0.171669	0.863773	DOWN	521.2569	521.2562	521.2575	10.6471	10.63083
2154	M452T22	1.534827	0.618076	1.532165	0.171689	0.863773	UP	452.3278	452.326	452.3283	21.68233	21.66567
2155	M538T10_	1.245567	-0.3168	-1.52266	0.171757	0.863773	DOWN	538.0055	538.0047	538.0064	9.918833	9.827283
2156	M464T43_	1.460641	0.546602	1.636646	0.171764	0.863773	UP	464.285	464.2846	464.2851	43.22917	42.94133
2157	M331T10_	7.240602	2.85611	1.661419	0.171771	0.863773	UP	331.271	331.2709	331.2713	9.823575	9.743667
2158	M378T39	5.587889	2.482303	1.662031	0.17178	0.863773	UP	378.2482	378.2481	378.2485	38.81283	38.64
2159	M659T9_1	1.275517	-0.35108	-1.53643	0.171794	0.863773	DOWN	658.732	658.7314	658.7334	9.322542	9.234417
2160	M378T10_	1.180162	-0.23899	-1.50186	0.171803	0.863773	DOWN	377.8009	377.8006	377.8015	9.924308	9.811217
2161	M490T11_	1.160297	0.214494	1.502618	0.171823	0.863774	UP	489.8485	489.8483	489.849	10.91987	10.89355
2162	M628T15_	1.623384	-0.699	-1.51616	0.171927	0.863774	DOWN	628.4172	628.4169	628.4179	14.67782	14.66168
2163	M493T12	1.318162	-0.39853	-1.57488	0.171984	0.863774	DOWN	493.4189	493.4185	493.4192	11.65717	11.65555
2164	M491T21	1.271724	0.346786	1.540833	0.172049	0.863774	UP	491.3098	491.309	491.3108	21.07358	21.04117
2165	M308T10_	3.850577	1.945075	1.659482	0.17205	0.863774	UP	308.0629	308.0628	308.0632	9.95385	9.859233
2166	M578T10_	1.228046	-0.29636	-1.54562	0.172068	0.863774	DOWN	578.374	578.3738	578.3743	9.597658	9.49445
2167	M306T9_1	1.459472	-0.54545	-1.50961	0.172107	0.863774	DOWN	305.689	305.6827	305.6892	9.317	9.219483
2168	M508T40_	1.227553	-0.29579	-1.61648	0.172186	0.863774	DOWN	508.2748	508.2746	508.275	39.65433	39.561
2169	M422T43	1.119426	-0.16276	-1.5577	0.172222	0.863775	DOWN	422.2745	422.2742	422.2747	42.5245	42.29433

2170	M617T10_	1.402906	-0.48842	-1.55102	0.172243	0.863775	DOWN	616.7477	616.7468	616.7499	9.9351	9.827283
2171	M709T9_2	1.294845	-0.37278	-1.50927	0.172256	0.863775	DOWN	708.9268	708.9264	708.9274	9.280992	9.129317
2172	M688T21	1.236101	-0.3058	-1.53888	0.172312	0.863775	DOWN	687.5081	687.508	687.5087	20.90683	20.89283
2173	M742T9_3	1.561871	-0.64327	-1.50234	0.172471	0.863775	DOWN	741.9678	741.9662	741.9685	9.46925	9.38595
2174	M332T44_	1.405632	-0.49122	-1.51819	0.172616	0.863776	DOWN	332.1702	332.1701	332.1705	43.9625	43.84783
2175	M409T9_1	1.433014	-0.51905	-1.50358	0.172623	0.863776	DOWN	408.5874	408.5867	408.5881	9.271467	9.18975
2176	M396T40_	1.457955	-0.54395	-1.49857	0.172698	0.863776	DOWN	396.2225	396.2224	396.2227	40.48175	40.3955
2177	M382T16_	1.233495	-0.30275	-1.50829	0.172721	0.863776	DOWN	382.2719	382.2717	382.2723	16.25613	16.22762
2178	M559T10_	1.306404	-0.3856	-1.50515	0.172896	0.863776	DOWN	558.6636	558.6632	558.664	10.34472	10.23087
2179	M305T24	1.218954	-0.28564	-1.5061	0.173039	0.863777	DOWN	305.2877	305.2876	305.2879	23.82708	23.806
2180	M173T10_	3.077665	1.621836	1.651681	0.173122	0.863777	UP	173.3492	173.3492	173.3493	9.887292	9.79065
2181	M351T11_	1.614289	0.690899	1.51947	0.173183	0.863777	UP	351.2178	351.2173	351.2278	10.93415	10.76215
2182	M360T10_	2.305874	1.205314	1.596386	0.173212	0.863777	UP	360.4024	360.4019	360.4028	9.856867	9.728083
2183	M227T11_	2.458139	-1.29757	-1.5194	0.173266	0.863777	DOWN	226.9865	226.9863	226.9867	10.9398	10.85018
2184	M332T10_	1.231072	-0.29992	-1.56459	0.173326	0.863778	DOWN	331.7683	331.768	331.7689	9.836367	9.715683
2185	M430T10_	1.470427	0.556236	1.578052	0.173357	0.863778	UP	429.8413	429.8405	429.8415	9.762917	9.65225
2186	M426T10_	2.002804	1.002021	1.581946	0.173359	0.863778	UP	426.2076	426.1992	426.2086	9.969158	9.843367
2187	M390T10_	1.323846	-0.40473	-1.5569	0.173361	0.863778	DOWN	390.3131	390.313	390.3133	9.543158	9.432183
2188	M512T10_	1.462748	-0.54868	-1.55255	0.173419	0.863778	DOWN	511.778	511.7775	511.7788	9.965792	9.885167
2189	M201T10_	1.258754	-0.332	-1.55853	0.173497	0.863778	DOWN	200.6306	200.6305	200.6309	9.830183	9.715683
2190	M646T10_	1.793662	-0.84291	-1.55508	0.173522	0.863778	DOWN	645.8852	645.885	645.8858	10.37923	10.34542
2191	M250T9_8	1.625011	-0.70045	-1.49392	0.173555	0.863778	DOWN	250.428	250.4274	250.4288	9.265117	9.22495
2192	M705T10_	1.691304	0.758136	1.495348	0.173613	0.863778	UP	705.1385	705.1375	705.1386	9.8207	9.802117
2193	M382T11_	1.325376	-0.4064	-1.54923	0.173652	0.863778	DOWN	381.9502	381.95	381.9516	10.92598	10.88747
2194	M261T10_	1.336735	-0.41871	-1.50755	0.173788	0.863779	DOWN	260.7915	260.7913	260.7917	9.761042	9.636483
2195	M589T9_2	1.777707	-0.83002	-1.51568	0.173884	0.863779	DOWN	588.7586	588.7561	588.7601	9.264333	9.126783
2196	M623T10_	1.425834	-0.51181	-1.50772	0.173894	0.863779	DOWN	623.2791	623.2782	623.2893	10.2024	10.07528
2197	M682T9_3	2.02652	-1.019	-1.51199	0.173923	0.863779	DOWN	682.4817	682.4811	682.4827	9.360867	9.275917
2198	M523T11_	1.619205	0.695286	1.556425	0.174143	0.86378	UP	522.5071	522.506	522.5073	10.92438	10.83572
2199	M555T9_1	1.487477	-0.57287	-1.54881	0.174143	0.86378	DOWN	554.5821	554.5753	554.5834	9.2651	9.11405
2200	M243T9_1	1.263631	-0.33757	-1.50018	0.174185	0.86378	DOWN	243.1829	243.1826	243.183	8.519125	8.4194
2201	M540T32	1.249206	0.321012	1.560723	0.174191	0.86378	UP	540.4257	540.4256	540.4258	31.76767	31.72483
2202	M201T44	1.38004	-0.46471	-1.50341	0.174255	0.86378	DOWN	201.1118	201.1117	201.1119	43.91967	43.546
2203	M332T10_	1.56031	0.641832	1.495851	0.174263	0.86378	UP	332.2962	332.2959	332.2963	9.841442	9.802117
2204	M170T10_	1.399771	-0.48519	-1.60741	0.174274	0.86378	DOWN	170.2547	170.2546	170.2547	9.845483	9.743667

2205	M377T12	5.896508	-2.55986	-1.64968	0.174306	0.86378	DOWN	377.1957	377.1955	377.1959	12.04791	12.03328
2206	M238T10_	1.557013	-0.63878	-1.55461	0.174319	0.86378	DOWN	237.9006	237.9005	237.9008	9.951283	9.8378
2207	M829T10_	1.430395	-0.51641	-1.55576	0.174342	0.86378	DOWN	828.9799	828.9789	828.9802	10.34218	10.26607
2208	M800T10_	1.311241	-0.39093	-1.49642	0.17436	0.86378	DOWN	800.468	800.4676	800.4684	9.544775	9.416817
2209	M435T9_3	2.227756	-1.15559	-1.59395	0.174478	0.863781	DOWN	434.6612	434.6605	434.6625	9.329642	9.129317
2210	M444T12	1.376108	-0.46059	-1.49095	0.174665	0.863781	DOWN	443.969	443.9689	443.9699	11.75844	11.72088
2211	M664T31	1.280041	-0.35619	-1.60279	0.17473	0.863781	DOWN	664.4631	664.4628	664.4634	31.36558	31.34883
2212	M559T10_	1.76375	0.818646	1.526346	0.174776	0.863781	UP	558.8284	558.8281	558.8285	9.93815	9.8753
2213	M762T16_	1.209816	-0.27479	-1.49086	0.174889	0.863782	DOWN	761.5313	761.5311	761.5317	16.25613	16.2422
2214	M192T10_	1.195786	-0.25796	-1.59711	0.174926	0.863782	DOWN	191.7207	191.7206	191.721	9.989733	9.8914
2215	M465T14	1.467418	-0.55328	-1.55936	0.174945	0.863782	DOWN	465.2936	465.2934	465.2937	14.063	14.04855
2216	M319T9_6	1.389694	-0.47477	-1.52485	0.174955	0.863782	DOWN	319.2689	319.2683	319.2691	9.3332	9.234417
2217	M365T11_	1.305432	-0.38453	-1.57782	0.174982	0.863782	DOWN	364.8286	364.8284	364.829	11.22813	11.19848
2218	M336T36	1.502783	0.587636	1.561174	0.175027	0.863782	UP	336.3107	336.3101	336.3112	36.29467	36.26583
2219	M201T9_2	1.796517	-0.8452	-1.49816	0.175041	0.863782	DOWN	201.2929	201.2926	201.2938	9.310917	9.24215
2220	M508T44_	1.406955	-0.49258	-1.49007	0.175071	0.863782	DOWN	508.2748	508.2746	508.2751	44.35117	44.17233
2221	M446T40_	1.565201	0.646348	1.524361	0.175087	0.863782	UP	446.2746	446.2742	446.2748	40.28733	40.07883
2222	M221T9_1	2.314965	-1.21099	-1.50506	0.175138	0.863782	DOWN	221.4612	221.4596	221.4618	9.27975	9.11795
2223	M193T10_	1.649128	-0.7217	-1.48909	0.175193	0.863783	DOWN	192.7976	192.7908	192.7977	9.811408	9.715683
2224	M373T11_	1.648923	-0.72152	-1.54403	0.175263	0.863783	DOWN	372.6166	372.6121	372.6189	10.90618	10.83417
2225	M763T16_	1.21843	-0.28502	-1.51923	0.175267	0.863783	DOWN	762.5346	762.5343	762.535	15.51777	15.51198
2226	M332T10_	1.239859	-0.31018	-1.63981	0.175433	0.863783	DOWN	332.0946	332.0943	332.095	9.83535	9.715683
2227	M623T9_5	2.118388	-1.08297	-1.55002	0.175435	0.863783	DOWN	623.3181	623.3167	623.3201	8.669583	8.5728
2228	M804T9	1.384622	-0.46949	-1.50767	0.175442	0.863783	DOWN	803.6438	803.643	803.6449	9.1988	9.142767
2229	M198T9_2	1.323466	-0.40432	-1.52784	0.175501	0.863783	DOWN	198.4655	198.4649	198.4656	9.277158	9.1428
2230	M622T10_	1.2938	-0.37161	-1.48742	0.175508	0.863783	DOWN	622.2767	622.2764	622.2772	10.24579	10.18238
2231	M295T9_2	1.469442	-0.55527	-1.52282	0.175597	0.863784	DOWN	294.5835	294.5831	294.5837	9.317	9.234417
2232	M409T11_	1.166927	-0.22271	-1.56925	0.175649	0.863784	DOWN	409.3058	409.3057	409.306	11.09573	11.06723
2233	M212T9_1	1.85826	-0.89395	-1.48638	0.17567	0.863784	DOWN	212.3091	212.3076	212.3097	9.272792	8.94625
2234	M182T9_1	1.401335	-0.4868	-1.48707	0.175877	0.863784	DOWN	181.6577	181.6571	181.6578	9.382858	9.26575
2235	M411T10_	1.405186	-0.49076	-1.49829	0.176096	0.863785	DOWN	410.6607	410.6604	410.6608	9.589158	9.478833
2236	M731T22	1.33547	-0.41735	-1.54295	0.176362	0.863786	DOWN	730.5312	730.531	730.5317	21.62367	21.578
2237	M831T9_2	2.068768	-1.04877	-1.52989	0.176427	0.863786	DOWN	830.756	830.7552	830.7562	8.6763	8.578067
2238	M182T9_9	2.155071	-1.10774	-1.49506	0.176492	0.863786	DOWN	182.3871	182.3867	182.3872	9.175183	9.1428
2239	M620T27	1.496851	-0.58193	-1.49075	0.176562	0.863786	DOWN	620.2912	620.2905	620.2913	26.89683	26.8555



2240	M697T10_	1.216763	-0.28305	-1.57823	0.176636	0.863786	DOWN	697.4965	697.496	697.4968	9.82645	9.699733
2241	M823T9	4.862747	-2.28177	-1.60427	0.176981	0.863787	DOWN	823.4294	823.429	823.4307	8.799758	8.75965
2242	M449T9_8	1.24928	-0.3211	-1.49634	0.177012	0.863787	DOWN	449.4305	449.4302	449.4309	9.294408	9.129317
2243	M1190T45	1.324461	0.405406	1.508976	0.177055	0.863787	UP	1189.802	1189.799	1189.803	44.9835	44.98333
2244	M697T9_5	1.890328	-0.91864	-1.58162	0.177066	0.863787	DOWN	697.0723	697.0712	697.0727	9.336992	9.18975
2245	M429T22_	1.38502	-0.46991	-1.48216	0.177116	0.863788	DOWN	429.1177	429.1169	429.1191	22.27592	22.22083
2246	M553T10_	2.268244	-1.18158	-1.52829	0.177129	0.863788	DOWN	553.3576	553.3558	553.3594	9.947167	9.869467
2247	M621T10_	1.880308	0.910969	1.601457	0.177157	0.863788	UP	621.3845	621.3834	621.385	9.718283	9.62055
2248	M612T9_3	1.722324	-0.78436	-1.48327	0.177327	0.863788	DOWN	611.8149	611.8126	611.8173	9.26025	9.064833
2249	M1062T10	1.460725	-0.54668	-1.49097	0.177397	0.863788	DOWN	1062.406	1062.405	1062.407	9.80185	9.665433
2250	M820T12	1.450718	-0.53677	-1.54196	0.177466	0.863789	DOWN	820.4181	820.4179	820.4185	11.95898	11.94427
2251	M645T9_4	1.477524	-0.56318	-1.47899	0.177538	0.863789	DOWN	645.3658	645.3655	645.3665	9.314442	9.234417
2252	M339T10_	1.302592	-0.38139	-1.57377	0.177632	0.863789	DOWN	339.2513	339.2471	339.2513	9.553017	9.432183
2253	M350T9_7	1.727705	-0.78886	-1.49568	0.177645	0.863789	DOWN	350.0013	349.9991	350.0048	9.217867	9.09495
2254	M366T9_6	1.80208	-0.84966	-1.61585	0.177663	0.863789	DOWN	366.0403	366.0377	366.0407	9.190775	9.126783
2255	M212T9_3	1.712324	0.775956	1.546403	0.177799	0.863789	UP	211.876	211.8745	211.8773	9.329083	9.0839
2256	M451T9_8	1.248738	-0.32047	-1.48762	0.177836	0.863789	DOWN	451.2786	451.2782	451.2787	9.294408	9.129317
2257	M182T10_	1.149888	-0.20149	-1.48484	0.17792	0.86379	DOWN	182.3045	182.3043	182.3046	9.933	9.827283
2258	M732T21	1.255971	-0.3288	-1.48431	0.177926	0.86379	DOWN	731.5348	731.5346	731.5352	21.03617	20.99983
2259	M331T10_	1.690533	-0.75748	-1.50225	0.17795	0.86379	DOWN	330.8418	330.8414	330.8419	9.970317	9.951283
2260	M683T10_	2.269878	-1.18262	-1.49233	0.177968	0.86379	DOWN	682.8927	682.887	682.8931	9.76065	9.699733
2261	M528T10_	1.545298	-0.62788	-1.52	0.177977	0.86379	DOWN	527.995	527.9947	527.9961	10.24744	10.10718
2262	M589T9_1	1.850294	-0.88775	-1.51749	0.178125	0.86379	DOWN	588.6562	588.6548	588.6603	9.181525	9.098833
2263	M636T11_	1.637284	-0.7113	-1.47645	0.178149	0.86379	DOWN	636.0657	636.0647	636.0677	11.06297	11.03245
2264	M212T10_	1.587997	-0.66721	-1.47598	0.178198	0.86379	DOWN	211.5436	211.5395	211.5476	9.823575	9.699733
2265	M224T10_	1.473867	-0.55961	-1.55321	0.17822	0.86379	DOWN	224.459	224.4587	224.4595	9.8235	9.715683
2266	M456T9_1	1.279124	-0.35516	-1.48782	0.178267	0.863791	DOWN	456.3593	456.3588	456.3625	9.328967	9.129317
2267	M271T9_9	1.35918	-0.44274	-1.47729	0.178282	0.863791	DOWN	271.3691	271.3682	271.3702	9.329083	9.1587
2268	M740T11_	1.395858	-0.48115	-1.47716	0.178289	0.863791	DOWN	740.4924	740.4921	740.4925	10.69296	10.66012
2269	M868T10_	1.241095	-0.31161	-1.50622	0.178308	0.863791	DOWN	868.407	868.4056	868.4074	9.953742	9.859233
2270	M451T9_2	1.341649	-0.42401	-1.5317	0.178343	0.863791	DOWN	450.5531	450.5528	450.5557	9.306308	9.040017
2271	M363T24	2.05794	-1.0412	-1.5686	0.178374	0.863791	DOWN	362.5925	362.5919	362.5926	23.95775	23.93533
2272	M252T12	16.55713	4.04938	1.630036	0.178389	0.863791	UP	252.1569	252.1569	252.157	11.73695	11.72808
2273	M669T31	1.192231	-0.25366	-1.49629	0.178397	0.863791	DOWN	669.418	669.4178	669.4185	31.35192	31.34917
2274	M256T10_	1.435949	0.522005	1.486978	0.178476	0.863791	UP	255.5181	255.5176	255.5183	9.975217	9.8753

2275	M288T23_	1.773799	0.826843	1.483987	0.178499	0.863791	UP	288.2033	288.1996	288.2112	22.893	22.857
2276	M697T28	1.711108	0.774931	1.477873	0.17851	0.863791	UP	697.4326	697.432	697.4331	27.52367	27.45433
2277	M400T12_	3.691755	-1.88431	-1.6199	0.178589	0.863791	DOWN	400.1811	400.1808	400.1813	12.03728	12.031
2278	M438T7	1.488689	-0.57404	-1.51757	0.178616	0.863791	DOWN	438.2384	438.2384	438.2389	7.366883	7.288367
2279	M212T21	2.474568	-1.30718	-1.57932	0.178667	0.863792	DOWN	212.0736	212.0734	212.0738	20.69333	20.64933
2280	M733T21	1.334584	-0.41639	-1.48154	0.178722	0.863792	DOWN	732.5382	732.5364	732.5387	21.029	20.9685
2281	M542T10_	1.390264	-0.47536	-1.51038	0.178877	0.863792	DOWN	542.336	542.3354	542.3368	10.27583	10.2024
2282	M629T10_	1.38218	0.466945	1.476907	0.178889	0.863792	UP	629.3619	629.3613	629.3626	9.674742	9.5731
2283	M368T9_5	1.269186	-0.3439	-1.48173	0.179065	0.863793	DOWN	368.1948	368.194	368.195	8.992917	8.936617
2284	M480T42_	1.506942	0.591624	1.492712	0.179119	0.863793	UP	480.2799	480.2796	480.2804	41.733	41.41683
2285	M574T10_	1.27647	-0.35216	-1.52164	0.179188	0.863793	DOWN	574.275	574.2744	574.2757	9.917167	9.811217
2286	M792T10_	1.37286	-0.45718	-1.54053	0.179324	0.863793	DOWN	791.9268	791.9263	791.9278	9.9014	9.79535
2287	M470T11_	1.681926	0.750114	1.477289	0.179328	0.863793	UP	469.8365	469.8362	469.8368	10.8926	10.88995
2288	M527T9_8	1.36055	-0.44419	-1.49837	0.179432	0.863794	DOWN	526.9556	526.9548	526.9561	9.174967	9.159717
2289	M302T9_4	1.469995	-0.55581	-1.51283	0.17961	0.863794	DOWN	302.3846	302.3842	302.3848	9.29345	9.129317
2290	M545T10_	1.254082	-0.32663	-1.52241	0.179668	0.863794	DOWN	544.7496	544.7487	544.751	9.948875	9.859233
2291	M205T9_5	1.555836	-0.63769	-1.47587	0.179839	0.863795	DOWN	205.2373	205.2348	205.2375	9.311167	9.11795
2292	M596T11_	1.723313	-0.78518	-1.52561	0.179902	0.863795	DOWN	596.3786	596.3776	596.38	11.3514	11.25678
2293	M634T9_1	1.470202	-0.55601	-1.47574	0.179906	0.863795	DOWN	633.766	633.7648	633.7689	9.280992	9.129317
2294	M698T10_	1.677783	0.746556	1.515065	0.179921	0.863795	UP	697.5241	697.5232	697.525	9.657075	9.540717
2295	M229T9_9	1.475237	-0.56095	-1.50127	0.179922	0.863795	DOWN	229.2691	229.2675	229.2709	9.2946	9.142767
2296	M218T11_	1.143912	-0.19398	-1.46972	0.179935	0.863795	DOWN	218.3562	218.356	218.3562	10.90659	10.88747
2297	M339T10_	12.95062	3.694949	1.622666	0.179961	0.863795	UP	339.1604	339.1602	339.1605	9.880683	9.774967
2298	M312T24	1.315786	-0.39593	-1.53712	0.179983	0.863795	DOWN	312.2166	312.2164	312.2169	23.78817	23.7755
2299	M285T10_	1.355058	-0.43835	-1.5171	0.180006	0.863795	DOWN	285.4392	285.4391	285.4516	9.969925	9.859233
2300	M460T26_	1.930593	0.949044	1.46917	0.180066	0.863795	UP	460.3415	460.3413	460.3416	25.62608	25.59717
2301	M1104T10	1.278412	-0.35435	-1.50928	0.180141	0.863795	DOWN	1103.703	1103.702	1103.703	9.945775	9.843367
2302	M464T10_	1.789647	0.839675	1.514471	0.180228	0.863796	UP	463.5765	463.576	463.5778	9.853633	9.758367
2303	M278T28	1.320031	-0.40057	-1.50708	0.180244	0.863796	DOWN	278.1828	278.1826	278.1829	27.95175	27.9245
2304	M716T10_	1.418322	-0.50418	-1.46971	0.180326	0.863796	DOWN	715.9377	715.9373	715.9394	10.34868	10.28192
2305	M660T9_2	1.301257	-0.37991	-1.49539	0.180502	0.863796	DOWN	659.6526	659.652	659.6541	9.322542	9.234417
2306	M1376T10	1.270133	-0.34498	-1.58743	0.180506	0.863796	DOWN	1375.768	1375.767	1375.769	10.03065	9.932567
2307	M226T9_7	13.90229	-3.79725	-1.61841	0.180625	0.863797	DOWN	226.2346	226.2339	226.2354	9.2946	9.132267
2308	M176T9_1	1.256738	-0.32968	-1.55962	0.180634	0.863797	DOWN	175.8887	175.888	175.8891	9.3332	9.219483
2309	M510T10_	2.013421	-1.00965	-1.4989	0.180641	0.863797	DOWN	509.6042	509.6038	509.6044	9.979667	9.970617

2310	M397T9_7	3.695662	-1.88583	-1.60918	0.180659	0.863797	DOWN	397.3514	397.3503	397.3558	9.16125	9.145433
2311	M530T9_2	1.751755	-0.8088	-1.50154	0.18076	0.863797	DOWN	530.206	530.2046	530.2071	9.298683	9.12675
2312	M319T10_	1.251749	-0.32395	-1.47383	0.180766	0.863797	DOWN	318.572	318.5715	318.5735	9.8207	9.715683
2313	M526T10_	1.447324	0.533388	1.468837	0.180869	0.863797	UP	525.6111	525.61	525.6114	9.999	9.8914
2314	M332T23	1.170493	-0.22712	-1.48057	0.181084	0.863798	DOWN	332.3156	332.3154	332.3157	23.16058	23.14617
2315	M487T34	1.283909	-0.36054	-1.47738	0.18111	0.863798	DOWN	487.3237	487.3234	487.3239	33.802	33.78767
2316	M382T42_	1.242623	-0.31339	-1.52892	0.181128	0.863798	DOWN	382.2432	382.2431	382.2434	42.07125	41.90567
2317	M555T10_	1.298671	-0.37704	-1.49994	0.181153	0.863798	DOWN	555.4876	555.4873	555.4889	9.952017	9.843367
2318	M401T11_	1.690221	0.757212	1.468819	0.18127	0.863798	UP	400.9895	400.9855	400.9945	10.93388	10.84395
2319	M339T9_2	1.448095	-0.53416	-1.54878	0.181354	0.863798	DOWN	338.6037	338.6035	338.6038	9.462325	9.40135
2320	M288T24_	2.202741	-1.1393	-1.46517	0.181407	0.863798	DOWN	288.267	288.2655	288.2729	24.07883	24.03917
2321	M330T10_	1.379803	0.464462	1.485952	0.181528	0.863799	UP	329.976	329.9757	329.9879	9.95785	9.75805
2322	M512T20	1.351088	-0.43412	-1.56432	0.181534	0.863799	DOWN	512.3343	512.334	512.3348	20.21642	20.20133
2323	M243T9_6	1.776514	-0.82905	-1.51898	0.181589	0.863799	DOWN	242.9773	242.9752	242.9844	9.333667	9.1322
2324	M355T9_1	1.332591	-0.41423	-1.46949	0.18164	0.863799	DOWN	354.5052	354.5043	354.5055	9.280992	9.129317
2325	M825T11_	1.403391	-0.48892	-1.5714	0.181674	0.863799	DOWN	825.3522	825.3518	825.3524	11.22896	11.19848
2326	M554T22	1.240788	-0.31126	-1.48413	0.181749	0.863799	DOWN	554.4257	554.4254	554.4259	22.23492	22.22517
2327	M790T11_	1.31631	-0.3965	-1.48843	0.181753	0.863799	DOWN	790.4914	790.4907	790.492	10.52609	10.48782
2328	M240T21	2.175517	-1.12136	-1.5642	0.181801	0.863799	DOWN	240.2319	240.2317	240.232	21.33708	21.3275
2329	M502T25_	6.488795	-2.69795	-1.60987	0.181828	0.863799	DOWN	502.3527	502.3522	502.3529	24.80467	24.75367
2330	M365T11_	1.385083	-0.46997	-1.55249	0.181858	0.8638	DOWN	365.2228	365.2227	365.2232	11.22813	11.19848
2331	M313T9_9	1.664381	-0.73499	-1.46971	0.181896	0.8638	DOWN	313.2112	313.2107	313.2115	8.9015	8.772383
2332	M612T11_	1.47946	0.565071	1.545142	0.181932	0.8638	UP	612.0891	612.0883	612.0903	10.93097	10.88982
2333	M436T9_1	1.417391	-0.50324	-1.52388	0.181977	0.8638	DOWN	436.4327	436.4325	436.4331	9.285558	9.129317
2334	M675T28	1.499377	-0.58436	-1.47269	0.182034	0.8638	DOWN	675.4721	675.4718	675.4724	28.22867	28.1565
2335	M325T10_	1.153488	-0.206	-1.50593	0.182044	0.8638	DOWN	324.5812	324.581	324.5816	9.851025	9.715683
2336	M355T39	1.358395	0.441903	1.467877	0.182146	0.8638	UP	355.2114	355.2112	355.2115	39.17242	38.97117
2337	M1023T26	1.468725	-0.55456	-1.54024	0.182209	0.8638	DOWN	1022.72	1022.719	1022.721	25.99708	25.97017
2338	M290T10_	1.592377	-0.67118	-1.4705	0.182224	0.8638	DOWN	289.5952	289.595	289.5953	9.95825	9.946367
2339	M155T10_	1.205171	-0.26924	-1.46057	0.182304	0.863801	DOWN	155.0682	155.0681	155.0683	9.918833	9.811217
2340	M877T12	1.418305	0.504167	1.527235	0.182316	0.863801	UP	876.5873	876.5861	876.5881	12.10695	12.07727
2341	M1872T10	1.376501	-0.46101	-1.54386	0.182332	0.863801	DOWN	1871.527	1871.524	1871.529	9.8207	9.715683
2342	M331T9_2	1.300079	-0.3786	-1.48809	0.182388	0.863801	DOWN	330.6076	330.6074	330.6079	9.322542	9.234417
2343	M443T10_	2.917027	1.544499	1.60674	0.182462	0.863801	UP	442.86	442.8593	442.8605	9.75365	9.636483
2344	M712T10_	1.509374	-0.59395	-1.55858	0.182624	0.863801	DOWN	711.539	711.5382	711.5392	9.728817	9.6048

2345	M931T10_	1.425556	0.511525	1.45921	0.182636	0.863801	UP	930.6731	930.6725	930.6753	10.14972	10.08517
2346	M336T9_3	1.476642	-0.56232	-1.45917	0.182639	0.863801	DOWN	335.8214	335.821	335.8224	9.314442	9.234417
2347	M339T10_	1.241312	-0.31187	-1.49977	0.182737	0.863802	DOWN	339.181	339.1808	339.1811	9.825767	9.715683
2348	M197T9_1	1.68194	-0.75013	-1.47256	0.1829	0.863802	DOWN	196.6883	196.6873	196.6891	9.264333	9.161683
2349	M695T10_	1.18777	-0.24826	-1.46475	0.182948	0.863802	DOWN	694.5313	694.531	694.5317	10.12412	10.03658
2350	M522T11_	1.478308	-0.56395	-1.49534	0.18298	0.863802	DOWN	521.9884	521.9878	521.989	10.53618	10.44008
2351	M290T9_3	1.428352	-0.51435	-1.52802	0.183118	0.863803	DOWN	289.6907	289.6898	289.6908	8.978067	8.892117
2352	M373T9_4	1.771678	-0.82512	-1.46063	0.183178	0.863803	DOWN	373.0066	373.0062	373.0073	9.275917	9.219483
2353	M487T14	1.460459	-0.54642	-1.47363	0.183234	0.863803	DOWN	487.2753	487.2746	487.2776	14.04863	13.87298
2354	M536T10_	1.379893	-0.46456	-1.53654	0.183235	0.863803	DOWN	536.4342	536.434	536.4354	9.677883	9.571683
2355	M191T11_	1.194195	-0.25604	-1.46588	0.18326	0.863803	DOWN	191.0652	191.0651	191.0655	10.89193	10.8646
2356	M421T11_	1.150831	-0.20268	-1.57691	0.183497	0.863804	DOWN	420.7389	420.7388	420.739	10.90551	10.89355
2357	M1265T11_	1.582666	-0.66236	-1.46541	0.183623	0.863804	DOWN	1264.965	1264.964	1264.966	10.84029	10.83252
2358	M577T31	1.235936	-0.3056	-1.5144	0.183665	0.863804	DOWN	577.4139	577.4136	577.4142	31.43592	31.42083
2359	M333T10_	34.4598	5.106842	1.605317	0.18369	0.863804	UP	333.0769	333.0766	333.0772	9.830558	9.715683
2360	M299T41_	1.355116	0.438416	1.476613	0.183856	0.863804	UP	299.185	299.1849	299.1852	40.6975	40.58233
2361	M658T9_3	1.173619	-0.23096	-1.58443	0.183873	0.863804	DOWN	658.3694	658.369	658.3697	9.415533	9.324917
2362	M200T10_	1.365933	-0.44989	-1.54948	0.183878	0.863804	DOWN	200.0838	200.0765	200.0839	9.830183	9.715683
2363	M763T10_	1.175617	-0.23342	-1.45801	0.183944	0.863805	DOWN	763.4696	763.4676	763.4709	9.934533	9.811217
2364	M801T11_	1.594697	-0.67328	-1.46387	0.184083	0.863805	DOWN	800.5552	800.5541	800.5563	11.12262	11.06855
2365	M857T10_	2.623179	-1.39132	-1.59461	0.184087	0.863805	DOWN	857.3732	857.3714	857.3738	10.02508	10.01545
2366	M291T9_7	1.454881	-0.5409	-1.52571	0.184095	0.863805	DOWN	290.9923	290.9916	290.9925	8.964767	8.89395
2367	M1874T10_	1.45437	-0.54039	-1.49947	0.184137	0.863805	DOWN	1874.001	1873.999	1874.004	9.830083	9.715683
2368	M783T10_	1.415919	0.501739	1.456938	0.184192	0.863805	UP	783.4153	783.4144	783.4183	9.943767	9.827283
2369	M384T11_	1.234525	-0.30396	-1.45778	0.184193	0.863805	DOWN	383.6168	383.6165	383.6176	10.89875	10.879
2370	M337T34	1.17206	-0.22905	-1.45879	0.184252	0.863805	DOWN	337.2735	337.2734	337.2737	34.06283	34.04683
2371	M235T10_	1.268125	-0.3427	-1.46237	0.18428	0.863805	DOWN	235.1598	235.1596	235.16	9.930142	9.827283
2372	M418T25	2.28115	1.189761	1.547754	0.184305	0.863805	UP	417.6776	417.6775	417.6777	24.5945	24.5795
2373	M441T10_	1.242474	0.313216	1.482986	0.184504	0.863806	UP	441.2626	441.2621	441.2645	9.900133	9.729367
2374	M650T9_4	1.568922	-0.64977	-1.50639	0.18451	0.863806	DOWN	650.0507	650.0502	650.0516	9.317	9.24215
2375	M195T10_	2.532188	1.340385	1.590017	0.18453	0.863806	UP	194.501	194.501	194.5012	9.9754	9.8914
2376	M564T42_	1.50531	0.59006	1.55716	0.184702	0.863806	UP	564.3375	564.3372	564.3378	42.20775	41.93333
2377	M681T9_1	1.983335	-0.98793	-1.53652	0.184775	0.863807	DOWN	681.2122	681.2116	681.2127	8.786108	8.701267
2378	M263T11_	1.954505	-0.9668	-1.45092	0.184922	0.863807	DOWN	263.3029	263.3021	263.3032	10.93231	10.8646
2379	M398T30	1.360641	-0.44429	-1.57039	0.185167	0.863808	DOWN	398.3383	398.3374	398.3395	30.15133	30.137

2380	M288T23_	1.68298	0.751018	1.534388	0.185191	0.863808	UP	288.0647	288.059	288.0665	22.9	22.8425
2381	M790T9	1.498591	-0.58361	-1.49551	0.185323	0.863808	DOWN	789.6303	789.6299	789.6312	9.317	9.234417
2382	M996T11	1.446577	-0.53264	-1.46495	0.185627	0.863809	DOWN	996.4878	996.4875	996.488	11.36618	11.34105
2383	M892T10_	1.285695	0.362549	1.501548	0.185651	0.863809	UP	891.5151	891.5128	891.5159	10.19578	10.09108
2384	M599T10_	6.313139	2.658358	1.59557	0.185758	0.863809	UP	599.377	599.3766	599.3772	9.931675	9.811217
2385	M400T10_	1.381457	-0.46619	-1.50735	0.185786	0.863809	DOWN	400.2803	400.2798	400.2808	9.596358	9.510117
2386	M1887T10	1.623442	-0.69906	-1.45735	0.185836	0.863809	DOWN	1886.802	1886.8	1886.803	9.830283	9.802117
2387	M481T10_	1.271281	-0.34628	-1.45171	0.185853	0.863809	DOWN	481.3379	481.3242	481.338	10.07398	9.9677
2388	M307T10_	1.676665	-0.74559	-1.52451	0.185891	0.863809	DOWN	307.1615	307.1614	307.1615	9.886083	9.806367
2389	M427T17	1.416957	-0.5028	-1.45712	0.18596	0.863809	DOWN	427.2927	427.2921	427.2931	16.92783	16.86967
2390	M373T15_	1.535894	-0.61908	-1.44729	0.186014	0.86381	DOWN	373.1885	373.1881	373.189	15.43891	15.39865
2391	M406T44_	1.449343	0.5354	1.461757	0.186018	0.86381	UP	406.2069	406.2067	406.2072	43.68958	43.54567
2392	M207T9_8	1.767666	-0.82185	-1.52501	0.186033	0.86381	DOWN	206.8578	206.8574	206.8583	9.279025	9.126783
2393	M205T10_	2.834781	1.503237	1.565092	0.186089	0.86381	UP	204.9655	204.9654	204.9655	9.898425	9.874067
2394	M674T10_	1.227881	-0.29617	-1.46126	0.186092	0.86381	DOWN	674.1677	674.1669	674.1678	9.816142	9.715683
2395	M946T10_	1.337056	0.41906	1.510148	0.186192	0.86381	UP	945.5603	945.559	945.5613	9.979667	9.8753
2396	M679T10_	1.641738	0.715224	1.499254	0.186223	0.86381	UP	679.1854	679.1846	679.1855	9.872067	9.8378
2397	M1087T25	8.889207	-3.15205	-1.59142	0.186303	0.86381	DOWN	1086.607	1086.605	1086.608	24.761	24.71033
2398	M230T10_	1.270125	-0.34497	-1.46957	0.186357	0.86381	DOWN	229.6215	229.6214	229.6216	9.902008	9.79535
2399	M373T10_	3.086987	1.6262	1.486857	0.186458	0.863811	UP	373.0229	373.0146	373.0231	9.853533	9.827283
2400	M352T11_	1.224916	-0.29268	-1.44473	0.186538	0.863811	DOWN	352.2746	352.2745	352.2756	10.90659	10.879
2401	M202T9_8	1.481391	-0.56695	-1.44986	0.186615	0.863811	DOWN	202.0717	202.071	202.0723	9.296325	9.219483
2402	M490T10_	1.418483	0.504349	1.459597	0.18663	0.863811	UP	490.2225	490.2223	490.223	9.748708	9.636483
2403	M261T9_7	1.570003	-0.65077	-1.46066	0.186645	0.863811	DOWN	261.4976	261.4973	261.4979	9.431517	9.356517
2404	M821T10_	1.36342	0.44723	1.505833	0.186657	0.863811	UP	820.6651	820.6634	820.6664	9.775633	9.649833
2405	M815T10_	2.487111	1.314471	1.585567	0.186789	0.863811	UP	814.7635	814.7629	814.7657	9.960417	9.859233
2406	M205T9_7	1.816649	0.86128	1.463718	0.186835	0.863811	UP	205.3247	205.3183	205.325	9.175017	9.166033
2407	M508T44_	1.41458	-0.50037	-1.52867	0.186861	0.863811	DOWN	508.2749	508.2746	508.2751	43.81183	43.66083
2408	M841T13	1.353503	-0.4367	-1.45308	0.186954	0.863812	DOWN	841.4048	841.4037	841.406	13.12005	13.08365
2409	M952T12_	1.810553	-0.85643	-1.49781	0.186955	0.863812	DOWN	952.0922	952.0917	952.0928	11.66443	11.65107
2410	M200T10_	2.023073	-1.01655	-1.54096	0.186965	0.863812	DOWN	199.9164	199.9119	199.9165	9.818442	9.699733
2411	M1429T10	1.596666	-0.67506	-1.44299	0.187028	0.863812	DOWN	1428.632	1428.63	1428.641	9.871467	9.7634
2412	M492T22	1.745647	0.803762	1.543934	0.187124	0.863812	UP	492.3448	492.3447	492.3455	21.846	21.83833
2413	M500T10_	1.782633	0.83401	1.475173	0.187131	0.863812	UP	500.0962	500.0951	500.0966	9.989733	9.8914
2414	M622T9_4	1.475885	-0.56158	-1.46365	0.187145	0.863812	DOWN	622.3228	622.3214	622.3236	9.3332	9.219483

2415	M200T10_	1.258918	-0.33218	-1.48039	0.187157	0.863812	DOWN	200.4041	200.404	200.4044	9.830183	9.715683
2416	M471T9_3	1.369779	-0.45394	-1.48641	0.187207	0.863812	DOWN	471.0526	471.0517	471.053	9.303467	9.129317
2417	M763T16_	1.191796	-0.25314	-1.44508	0.187275	0.863812	DOWN	762.5346	762.5345	762.5353	16.25587	16.2422
2418	M1496T10	1.909484	0.933183	1.509024	0.187297	0.863812	UP	1496.239	1496.238	1496.241	9.976075	9.859233
2419	M435T9_9	64.54395	6.01221	1.588467	0.187377	0.863813	UP	435.2684	435.2683	435.2694	9.311167	9.160617
2420	M1418T9	1.327039	-0.40821	-1.45053	0.187433	0.863813	DOWN	1417.539	1417.538	1417.54	9.333267	9.237017
2421	M398T44_	1.375345	0.459793	1.486026	0.187438	0.863813	UP	398.2382	398.2381	398.2385	43.90225	43.8475
2422	M1219T10	2.039897	-1.0285	-1.51264	0.187445	0.863813	DOWN	1218.984	1218.976	1218.986	9.979667	9.9009
2423	M798T31	1.393868	-0.47909	-1.55631	0.187496	0.863813	DOWN	797.5455	797.5448	797.5461	31.25	31.23383
2424	M332T9_1	1.288117	-0.36526	-1.47593	0.187496	0.863813	DOWN	331.5176	331.5174	331.5178	9.322542	9.234417
2425	M827T10_	1.556429	-0.63824	-1.4447	0.187588	0.863813	DOWN	826.502	826.5011	826.503	10.34082	10.19348
2426	M657T9_4	1.189991	-0.25095	-1.50334	0.187659	0.863813	DOWN	657.366	657.3656	657.3678	9.4159	9.324917
2427	M680T43	1.165806	-0.22133	-1.57355	0.187662	0.863813	DOWN	680.3855	680.3852	680.3859	43.4305	43.30133
2428	M522T10_	21.24678	4.409172	1.58629	0.187824	0.863814	UP	522.3146	522.3132	522.3229	10.19387	10.11747
2429	M336T9_4	1.528853	-0.61245	-1.44001	0.187826	0.863814	DOWN	335.9876	335.9872	335.9881	9.314442	9.249433
2430	M445T11_	1.212865	-0.27842	-1.44944	0.187885	0.863814	DOWN	444.6461	444.6459	444.6466	10.91878	10.8914
2431	M562T11_	1.474752	-0.56047	-1.46803	0.187992	0.863814	DOWN	562.3557	562.355	562.3561	10.66105	10.61512
2432	M352T10_	3.132029	1.647097	1.445324	0.188025	0.863814	UP	351.776	351.7757	351.7763	9.746783	9.636483
2433	M334T10_	1.193406	-0.25509	-1.54111	0.188062	0.863814	DOWN	333.9538	333.9535	333.9545	9.8397	9.715683
2434	M453T20	2.621037	1.390138	1.460329	0.18821	0.863815	UP	453.2592	453.2587	453.2599	19.93417	19.87883
2435	M452T20_	1.428578	-0.51458	-1.46553	0.188292	0.863815	DOWN	452.1458	452.1455	452.1465	19.83008	19.77983
2436	M404T24	2.24004	1.163524	1.578057	0.188296	0.863815	UP	404.2195	404.2193	404.2196	24.33092	24.30217
2437	M310T9_1	1.418194	-0.50405	-1.43885	0.188349	0.863815	DOWN	309.5828	309.5823	309.5831	8.8398	8.77435
2438	M1011T12	1.430041	-0.51606	-1.46872	0.188392	0.863815	DOWN	1010.503	1010.503	1010.503	12.48635	12.45842
2439	M334T10_	1.557258	-0.63901	-1.56599	0.188562	0.863815	DOWN	334.1568	334.1542	334.1575	9.830558	9.715683
2440	M229T13	1.261917	-0.33562	-1.43783	0.188685	0.863816	DOWN	228.6824	228.6823	228.6826	13.22963	13.21463
2441	M716T10_	1.3385	-0.42062	-1.43666	0.188746	0.863816	DOWN	716.4356	716.4348	716.4389	10.07923	9.971833
2442	M521T9_1	1.652318	-0.72449	-1.44758	0.188794	0.863816	DOWN	520.5714	520.5657	520.5722	9.371592	9.0511
2443	M474T10_	1.418166	-0.50403	-1.50567	0.188822	0.863816	DOWN	474.1754	474.1753	474.1758	9.538267	9.447983
2444	M229T9_3	1.438775	-0.52484	-1.44151	0.189023	0.863816	DOWN	228.5759	228.5739	228.5761	9.320483	9.132267
2445	M395T11_	1.280241	-0.35642	-1.44501	0.189218	0.863817	DOWN	395.0676	395.067	395.0677	10.93208	10.877
2446	M640T10_	1.106502	-0.14601	-1.44147	0.189372	0.863817	DOWN	640.3633	640.3628	640.3662	9.831517	9.728083
2447	M348T21_	1.494891	-0.58004	-1.43755	0.189376	0.863817	DOWN	348.326	348.3253	348.3265	21.11592	21.08317
2448	M344T21	2.173507	-1.12002	-1.50886	0.189452	0.863817	DOWN	344.2986	344.2984	344.2989	21.33933	21.32283
2449	M638T9_2	1.584017	-0.66359	-1.48855	0.189458	0.863817	DOWN	638.0631	638.0619	638.0634	9.475667	9.40135

2450	M248T10_	1.380806	-0.46551	-1.49171	0.189472	0.863817	DOWN	248.3898	248.3893	248.3899	9.803033	9.696683
2451	M661T10_	1.333655	-0.41539	-1.43433	0.189479	0.863817	DOWN	661.0258	661.0252	661.0263	9.842	9.699733
2452	M245T9_2	1.418891	-0.50476	-1.4526	0.189531	0.863818	DOWN	244.5574	244.5544	244.5583	9.340383	9.132267
2453	M1274T10	2.771538	-1.47069	-1.5664	0.189772	0.863818	DOWN	1273.737	1273.734	1273.739	10.40218	10.32952
2454	M386T11_	1.386362	-0.4713	-1.45714	0.189775	0.863818	DOWN	385.5196	385.5183	385.5197	10.97857	10.93097
2455	M673T9_1	1.500233	-0.58519	-1.56099	0.18986	0.863818	DOWN	673.1993	673.1989	673.1996	9.475667	9.40135
2456	M881T10_	1.26117	-0.33476	-1.50363	0.189901	0.863818	DOWN	880.8639	880.8635	880.8648	9.61185	9.510117
2457	M330T25_	1.399107	0.484506	1.47541	0.189904	0.863818	UP	330.2272	330.227	330.2274	25.17333	25.146
2458	M274T12	2.492541	1.317617	1.536995	0.190001	0.863819	UP	274.1389	274.1386	274.1392	11.75188	11.74603
2459	M579T20	1.218225	-0.28478	-1.43189	0.190079	0.863819	DOWN	579.3719	579.3717	579.3725	19.70758	19.6705
2460	M288T11_	1.229771	-0.29839	-1.45222	0.190085	0.863819	DOWN	288.0989	288.0988	288.0992	10.90584	10.86275
2461	M443T10_	1.417494	-0.50334	-1.52672	0.190198	0.863819	DOWN	442.8985	442.8984	442.8989	9.743767	9.636483
2462	M394T9_2	1.355927	-0.43928	-1.4385	0.190225	0.863819	DOWN	393.7283	393.727	393.7287	9.206	9.146383
2463	M1441T9	1.34056	-0.42284	-1.44341	0.190249	0.863819	DOWN	1441.019	1441.018	1441.02	9.26775	9.160467
2464	M333T10_	1.750714	0.807944	1.477505	0.190358	0.863819	UP	333.2158	333.213	333.2177	10.14543	10.10142
2465	M754T11_	2.342177	-1.22785	-1.55522	0.190374	0.863819	DOWN	753.975	753.9742	753.9751	10.77167	10.7223
2466	M184T9_9	2.791107	1.480838	1.497372	0.190548	0.86382	UP	184.1894	184.189	184.1897	9.261475	9.1175
2467	M1549T10	1.481032	-0.5666	-1.44064	0.190592	0.86382	DOWN	1549.443	1549.441	1549.446	9.929783	9.869467
2468	M792T10_	1.530229	-0.61375	-1.52495	0.190615	0.86382	DOWN	791.5771	791.5766	791.5777	9.893742	9.806367
2469	M443T11_	1.761994	0.817209	1.434968	0.190715	0.86382	UP	443.1572	443.1565	443.1575	11.24955	11.232
2470	M183T9_1	1.724661	0.786313	1.500151	0.190729	0.86382	UP	183.4495	183.4492	183.4502	9.2143	9.1428
2471	M499T9_1	1.877352	-0.9087	-1.45642	0.190739	0.86382	DOWN	498.7826	498.7817	498.7846	9.319233	9.20785
2472	M1876T10	1.513857	-0.59823	-1.46557	0.190859	0.863821	DOWN	1876.11	1876.11	1876.113	9.8374	9.696683
2473	M380T9_2	2.731693	1.449796	1.561378	0.190897	0.863821	UP	379.784	379.7836	379.7883	9.215475	9.064833
2474	M277T10_	2.386436	1.254857	1.557289	0.190962	0.863821	UP	277.0339	277.0338	277.0341	9.961892	9.843367
2475	M507T18	1.356764	0.44017	1.539074	0.190978	0.863821	UP	507.3422	507.3419	507.3439	17.89433	17.87417
2476	M327T10_	1.242749	-0.31353	-1.54537	0.19098	0.863821	DOWN	327.2109	327.2083	327.2121	9.831517	9.715683
2477	M357T9_2	8.411305	-3.07233	-1.55986	0.191037	0.863821	DOWN	357.1756	357.1753	357.1808	9.457083	9.295167
2478	M713T10_	1.218708	-0.28535	-1.42817	0.191127	0.863821	DOWN	712.986	712.9854	712.987	9.830283	9.699733
2479	M395T12	5.675866	-2.50484	-1.56552	0.191138	0.863821	DOWN	395.2255	395.2252	395.2261	12.0457	12.02542
2480	M638T21	9.651467	3.270748	1.570706	0.191159	0.863821	UP	638.3027	638.3011	638.311	20.59333	20.58
2481	M762T11_	1.554062	-0.63604	-1.45078	0.19135	0.863822	DOWN	761.9245	761.9241	761.9251	10.86275	10.83252
2482	M378T41_	1.72199	-0.78408	-1.5475	0.191498	0.863822	DOWN	378.2483	378.248	378.2485	41.01383	40.63883
2483	M621T9_1	2.033216	-1.02376	-1.4706	0.191575	0.863822	DOWN	621.0674	621.0667	621.0684	8.753417	8.686867
2484	M552T24	1.896627	0.923436	1.545426	0.191576	0.863822	UP	552.3292	552.3289	552.3297	23.789	23.7765

2485	M1081T10	1.464042	-0.54996	-1.4374	0.191628	0.863822	DOWN	1080.623	1080.622	1080.624	9.81635	9.715683
2486	M325T10_	1.236921	-0.30675	-1.5519	0.191637	0.863822	DOWN	324.8814	324.8812	324.8819	9.823575	9.715683
2487	M228T10_	1.326344	-0.40745	-1.42668	0.191674	0.863822	DOWN	228.1196	228.1188	228.1204	9.816167	9.7124
2488	M329T19	3.057947	-1.61256	-1.55684	0.191792	0.863823	DOWN	329.2163	329.2161	329.2165	18.63342	18.61233
2489	M154T10_	1.49837	-0.58339	-1.42641	0.19181	0.863823	DOWN	153.9175	153.9171	153.9177	9.8322	9.715683
2490	M334T10_	3.633066	-1.86119	-1.5523	0.191841	0.863823	DOWN	333.6703	333.67	333.6706	9.8214	9.8161
2491	M666T10_	1.246986	-0.31844	-1.42533	0.191914	0.863823	DOWN	666.3033	666.3031	666.3036	10.44697	10.4121
2492	M333T10_	1.176199	-0.23413	-1.50488	0.19203	0.863823	DOWN	333.4831	333.4829	333.4844	9.8397	9.715683
2493	M378T22	1.645732	-0.71873	-1.56247	0.192052	0.863823	DOWN	378.2119	378.2118	378.212	22.46567	22.4105
2494	M235T9_1	1.774774	-0.82764	-1.5085	0.192135	0.863823	DOWN	234.5183	234.5129	234.5183	9.280767	9.111033
2495	M826T10_	1.337817	-0.41988	-1.49134	0.192218	0.863824	DOWN	825.586	825.5855	825.5864	10.21733	10.11747
2496	M294T30_	3.569945	1.835902	1.443956	0.192253	0.863824	UP	294.2239	294.2197	294.2282	29.82658	29.77583
2497	M330T10_	1.305745	-0.38487	-1.49902	0.192337	0.863824	DOWN	330.3623	330.3621	330.3625	9.9351	9.822117
2498	M227T10_	1.322929	0.403735	1.431407	0.192348	0.863824	UP	227.1417	227.1415	227.1419	9.951283	9.843367
2499	M568T43_	1.211965	0.277348	1.453029	0.192424	0.863824	UP	568.3326	568.3324	568.3328	42.53175	42.40933
2500	M171T10_	1.252869	-0.32524	-1.43803	0.192503	0.863824	DOWN	171.3824	171.3823	171.3826	9.940783	9.827283
2501	M499T9_8	1.726716	0.788031	1.50922	0.192519	0.863824	UP	499.3479	499.3474	499.3499	9.432533	9.275917
2502	M1964T10	1.278085	-0.35398	-1.44828	0.192578	0.863824	DOWN	1964.176	1964.175	1964.183	9.8397	9.73145
2503	M388T10_	1.821518	-0.86514	-1.49912	0.192588	0.863824	DOWN	388.1723	388.1714	388.1759	9.932	9.830083
2504	M290T24_	1.335519	0.4174	1.473153	0.192618	0.863824	UP	289.7153	289.7151	289.7153	24.06292	24.059
2505	M201T9_2	1.612908	-0.68966	-1.45654	0.192625	0.863824	DOWN	201.2725	201.2717	201.2738	9.311883	9.1322
2506	M360T9_6	1.468977	-0.55481	-1.42289	0.192696	0.863825	DOWN	359.8388	359.8372	359.8417	9.325933	9.191133
2507	M374T9_1	1.861669	-0.8966	-1.43587	0.192699	0.863825	DOWN	373.7039	373.7038	373.7041	9.332617	9.275917
2508	M296T30_	1.596171	0.674615	1.431706	0.19275	0.863825	UP	295.6763	295.676	295.6764	29.8195	29.805
2509	M357T10_	1.081922	-0.1136	-1.48304	0.192793	0.863825	DOWN	357.4836	357.4833	357.4837	9.8207	9.715683
2510	M564T9_3	1.237921	-0.30792	-1.42485	0.192823	0.863825	DOWN	564.3579	564.3575	564.3599	9.20965	9.126783
2511	M404T39_	1.249222	-0.32103	-1.55743	0.192825	0.863825	DOWN	404.264	404.2638	404.2643	39.1725	38.99967
2512	M580T43_	1.367119	-0.45114	-1.46634	0.193068	0.863825	DOWN	580.3325	580.3322	580.3328	43.179	42.89867
2513	M506T30	2.650171	-1.40609	-1.43312	0.193168	0.863826	DOWN	506.3164	506.3158	506.3172	30.28	30.226
2514	M534T41_	1.294815	0.372746	1.495885	0.19318	0.863826	UP	534.2906	534.2905	534.291	40.94217	40.81267
2515	M504T10_	1.814702	0.859733	1.526777	0.193252	0.863826	UP	503.9219	503.9216	503.9223	9.967367	9.8753
2516	M712T11_	1.725014	-0.78661	-1.49663	0.193291	0.863826	DOWN	712.4256	712.4247	712.4268	10.57284	10.54367
2517	M715T10_	1.150132	-0.2018	-1.42367	0.193303	0.863826	DOWN	715.4079	715.4073	715.4088	9.892708	9.7634
2518	M552T9_1	1.540362	-0.62327	-1.47699	0.193314	0.863826	DOWN	551.6052	551.6029	551.606	9.272233	9.11405
2519	M433T9_5	2.333949	-1.22277	-1.42004	0.193374	0.863826	DOWN	432.8797	432.8729	432.8806	9.264333	9.09495



2520	M382T40_	1.968421	-0.97704	-1.50359	0.193389	0.863826	DOWN	382.2433	382.2432	382.2436	39.57533	39.47117
2521	M361T9_8	1.946263	-0.96071	-1.47002	0.193446	0.863826	DOWN	361.4613	361.4608	361.469	9.224517	9.145433
2522	M1113T10	1.252961	-0.32534	-1.4279	0.193506	0.863826	DOWN	1112.613	1112.612	1112.614	9.6694	9.557333
2523	M403T11_	1.167899	-0.22392	-1.45432	0.19357	0.863827	DOWN	403.1352	403.1351	403.1357	10.91983	10.90197
2524	M633T10_	2.260584	1.176696	1.443907	0.19365	0.863827	UP	632.9811	632.9809	632.9814	9.870475	9.811217
2525	M709T31	1.224022	-0.29163	-1.47874	0.19378	0.863827	DOWN	709.4929	709.4924	709.4934	31.33467	31.30567
2526	M296T11_	1.473745	-0.55949	-1.42102	0.193816	0.863827	DOWN	296.4963	296.4961	296.4966	10.88228	10.83252
2527	M470T9_9	1.532008	0.615424	1.420739	0.193879	0.863827	UP	470.3662	470.3652	470.3671	9.391733	9.219483
2528	M657T10_	2.718383	-1.44275	-1.53394	0.193904	0.863827	DOWN	656.9075	656.9062	656.9078	10.49363	10.40882
2529	M337T28_	1.423119	-0.50906	-1.43478	0.194026	0.863828	DOWN	337.2631	337.2629	337.2632	28.41083	28.38767
2530	M339T10_	2.255486	-1.17344	-1.52205	0.194031	0.863828	DOWN	339.2614	339.2612	339.2619	9.88865	9.746783
2531	M325T10_	1.183586	-0.24316	-1.52985	0.194051	0.863828	DOWN	325.0326	325.0323	325.0333	9.823575	9.699733
2532	M1137T10	1.441063	-0.52713	-1.44617	0.194075	0.863828	DOWN	1137.484	1137.483	1137.485	9.551608	9.547133
2533	M316T27_	1.176788	-0.23485	-1.41738	0.19419	0.863828	DOWN	316.3208	316.3206	316.3209	27.21292	27.20167
2534	M315T43_	1.372662	0.456976	1.419024	0.194336	0.863828	UP	315.18	315.1798	315.1801	43.40183	43.215
2535	M227T9_1	1.453874	-0.5399	-1.50318	0.194338	0.863828	DOWN	227.1751	227.1717	227.1751	9.389042	9.279417
2536	M525T10_	1.545886	-0.62843	-1.49847	0.194447	0.863828	DOWN	524.8271	524.8263	524.8313	10.05918	9.8378
2537	M316T39_	1.276351	-0.35203	-1.43374	0.194452	0.863828	DOWN	316.1753	316.1752	316.1754	39.3955	39.30183
2538	M394T10_	1.209619	0.274553	1.41557	0.194691	0.863829	UP	394.3426	394.3419	394.3429	9.954767	9.843367
2539	M324T26_	1.624665	-0.70014	-1.41557	0.194749	0.863829	DOWN	323.9936	323.9934	323.994	25.99917	25.90867
2540	M574T10_	1.384632	-0.4695	-1.47908	0.19475	0.863829	DOWN	573.5657	573.5648	573.5668	9.940783	9.827283
2541	M1782T9	1.241731	-0.31235	-1.43903	0.194752	0.863829	DOWN	1781.894	1781.893	1781.897	9.277967	9.1445
2542	M320T44_	1.722966	-0.78489	-1.43465	0.194875	0.863829	DOWN	320.1702	320.17	320.1703	44.4085	44.13533
2543	M795T9	3.628838	-1.85951	-1.5092	0.194893	0.863829	DOWN	794.7475	794.7434	794.7482	8.746175	8.638817
2544	M225T44_	1.13966	-0.1886	-1.47113	0.194933	0.863829	DOWN	225.1119	225.1117	225.1119	44.34817	44.1785
2545	M682T11_	1.517011	-0.60123	-1.51425	0.194963	0.86383	DOWN	681.5169	681.5168	681.5171	10.64593	10.63083
2546	M391T15_	1.184045	-0.24372	-1.41443	0.194969	0.86383	DOWN	391.2952	391.295	391.2953	15.2927	15.26215
2547	M1004T25	6.900633	-2.78673	-1.55308	0.195056	0.86383	DOWN	1003.51	1003.51	1003.511	24.551	24.508
2548	M409T23	1.435787	0.521842	1.484531	0.195058	0.86383	UP	409.2872	409.2866	409.2874	22.97267	22.91483
2549	M534T44_	1.14051	-0.18968	-1.44977	0.195064	0.86383	DOWN	534.3268	534.3266	534.3269	43.67508	43.642
2550	M831T9_3	1.84034	-0.87997	-1.41779	0.195166	0.86383	DOWN	830.9224	830.9219	830.924	8.676792	8.601067
2551	M387T11_	1.602052	-0.67992	-1.41326	0.195285	0.86383	DOWN	386.7792	386.7781	386.7805	10.91868	10.83417
2552	M345T9_1	1.292948	-0.37066	-1.47059	0.195287	0.86383	DOWN	345.1923	345.1921	345.1987	9.275917	8.95495
2553	M807T10_	1.203235	-0.26692	-1.41402	0.195301	0.86383	DOWN	807.4679	807.4676	807.4691	10.27939	10.18238
2554	M520T9_7	1.940197	-0.9562	-1.4138	0.195417	0.86383	DOWN	520.333	520.3327	520.3456	8.961583	8.872733

2555	M242T11_	1.814575	-0.85963	-1.41317	0.195417	0.86383	DOWN	241.8882	241.8879	241.8882	10.89125	10.87765
2556	M325T9_7	1.36216	-0.4459	-1.4139	0.195422	0.86383	DOWN	325.0617	325.0614	325.0716	9.25985	8.90275
2557	M454T28	3.435585	-1.78056	-1.52941	0.195491	0.863831	DOWN	454.3289	454.3285	454.3294	28.45175	28.437
2558	M365T12	1.92947	0.948204	1.534076	0.195669	0.863831	UP	365.2409	365.2408	365.2409	11.76178	11.7298
2559	M542T9_1	1.795499	-0.84439	-1.41186	0.195705	0.863831	DOWN	541.5918	541.5916	541.5921	9.249433	9.235933
2560	M263T10_	2.163476	1.113351	1.467636	0.195762	0.863831	UP	262.764	262.7639	262.7642	9.9762	9.90755
2561	M697T9_2	1.490383	-0.57568	-1.48988	0.195971	0.863832	DOWN	696.573	696.5723	696.5734	9.329083	9.129317
2562	M706T9_3	3.099464	-1.63202	-1.51652	0.195977	0.863832	DOWN	706.3703	706.3683	706.3708	8.84285	8.7575
2563	M355T11_	1.305069	-0.38413	-1.43145	0.195993	0.863832	DOWN	354.7586	354.7581	354.7588	10.54788	10.50338
2564	M569T12	1.664008	0.734662	1.505288	0.196055	0.863832	UP	569.406	569.4057	569.4062	11.68612	11.67107
2565	M225T10_	1.578647	-0.65869	-1.44165	0.196111	0.863832	DOWN	224.6991	224.6989	224.6993	9.903283	9.806367
2566	M812T10_	1.261949	-0.33565	-1.40991	0.196412	0.863833	DOWN	812.1732	812.1725	812.1748	9.97155	9.859233
2567	M197T43_	1.269307	0.344041	1.421976	0.196444	0.863833	UP	197.1533	197.1532	197.1534	42.59633	42.42383
2568	M432T10_	1.629653	-0.70456	-1.41841	0.19645	0.863833	DOWN	432.3122	432.3119	432.3124	9.901433	9.822117
2569	M469T28	1.481469	0.567028	1.425113	0.196461	0.863833	UP	469.3113	469.3109	469.3115	27.504	27.48017
2570	M358T11_	1.33895	-0.4211	-1.46696	0.196479	0.863833	DOWN	357.8095	357.8093	357.81	10.90628	10.88747
2571	M414T10_	1.35147	-0.43453	-1.429	0.196523	0.863833	DOWN	413.7879	413.7874	413.7883	10.46667	10.39197
2572	M188T9_1	9.263262	3.21152	1.547047	0.196552	0.863833	UP	188.1307	188.1278	188.1338	9.276717	9.162767
2573	M396T10_	1.170904	-0.22762	-1.41313	0.196553	0.863833	DOWN	396.1833	396.1831	396.1835	9.924775	9.827283
2574	M316T43_	1.459135	0.545113	1.429613	0.196556	0.863833	UP	316.1753	316.175	316.1754	43.258	43.12867
2575	M680T10_	1.866919	-0.90066	-1.40858	0.196622	0.863833	DOWN	679.8004	679.7929	679.802	9.787633	9.696683
2576	M503T9_2	1.623233	0.69887	1.467373	0.196875	0.863834	UP	502.5895	502.5887	502.5903	9.34825	9.280767
2577	M200T10_	1.376778	-0.4613	-1.49417	0.196927	0.863834	DOWN	200.3098	200.3023	200.3098	9.830183	9.715683
2578	M700T10_	8.246471	-3.04378	-1.54577	0.196963	0.863834	DOWN	700.3949	700.3942	700.3951	9.85045	9.73145
2579	M635T11_	1.246225	-0.31756	-1.41206	0.196971	0.863834	DOWN	635.4132	635.4125	635.4135	10.8926	10.86253
2580	M250T7_3	1.62949	0.704421	1.427861	0.197209	0.863834	UP	250.3021	250.3019	250.3023	7.034442	6.969117
2581	M252T9_7	1.68251	-0.75061	-1.41811	0.197335	0.863835	DOWN	252.3786	252.3779	252.3793	9.295817	9.25985
2582	M838T12	1.73825	0.797635	1.417361	0.197472	0.863835	UP	837.574	837.5732	837.5758	12.37572	12.3163
2583	M364T10_	1.158172	-0.21185	-1.48755	0.197662	0.863835	DOWN	364.0443	364.0436	364.0447	9.823575	9.699733
2584	M1748T10_	1.26987	-0.34468	-1.47928	0.197713	0.863835	DOWN	1748.263	1748.261	1748.264	9.830283	9.728083
2585	M652T10_	1.233916	0.303244	1.404723	0.197728	0.863835	UP	652.4736	652.4728	652.4746	10.39012	10.34542
2586	M411T9_7	2.256344	1.173987	1.474944	0.197773	0.863835	UP	411.2886	411.2814	411.293	9.407658	9.0511
2587	M470T9_2	1.315687	-0.39582	-1.42954	0.197779	0.863835	DOWN	470.0658	470.065	470.0661	9.29345	9.11405
2588	M800T11	1.488094	-0.57347	-1.40462	0.197829	0.863836	DOWN	799.5518	799.5513	799.5522	11.10612	11.09303
2589	M217T10_	1.355405	-0.43872	-1.40381	0.197983	0.863836	DOWN	217.174	217.1734	217.1746	9.830283	9.696683

2590	M350T9_1	2.195069	1.134266	1.519682	0.198014	0.863836	UP	350.3925	350.3918	350.3929	9.309717	9.1602
2591	M437T9_1	1.561468	-0.6429	-1.40411	0.198023	0.863836	DOWN	437.4282	437.4264	437.4305	9.232283	9.133667
2592	M377T21	1.454159	-0.54018	-1.48224	0.198083	0.863836	DOWN	377.2624	377.262	377.2631	21.16258	21.13617
2593	M845T10_	1.382453	-0.46723	-1.41469	0.198089	0.863836	DOWN	845.3633	845.3619	845.365	9.643967	9.556217
2594	M862T17	1.247836	-0.31943	-1.40421	0.198153	0.863836	DOWN	861.5477	861.5468	861.5486	17.154	17.145
2595	M271T14_	2.802177	-1.48655	-1.50189	0.198363	0.863837	DOWN	271.1149	271.1147	271.115	14.22407	14.00433
2596	M708T10_	2.009038	-1.0065	-1.40454	0.198384	0.863837	DOWN	707.8555	707.8536	707.8561	9.9754	9.90755
2597	M829T10_	1.351268	-0.43431	-1.44011	0.198417	0.863837	DOWN	828.5176	828.517	828.518	9.704617	9.5889
2598	M288T9_6	1.495496	-0.58062	-1.40255	0.198431	0.863837	DOWN	288.2583	288.2571	288.2588	9.287617	9.146383
2599	M335T10_	1.388044	0.473053	1.436226	0.198477	0.863837	UP	335.1794	335.1787	335.1796	9.816167	9.699733
2600	M1363T10	1.737354	-0.79689	-1.40199	0.198525	0.863837	DOWN	1362.862	1362.861	1362.863	9.8207	9.7124
2601	M741T9_2	1.289441	-0.36675	-1.42193	0.198585	0.863837	DOWN	740.937	740.936	740.9374	9.322542	9.234417
2602	M360T30	2.858466	-1.51524	-1.50948	0.198702	0.863837	DOWN	360.1804	360.1801	360.1805	30.4785	30.42383
2603	M408T10_	3.454611	1.788523	1.532843	0.198711	0.863837	UP	408.3393	408.3388	408.3397	9.942317	9.811217
2604	M403T11_	1.152862	-0.20522	-1.41695	0.198773	0.863837	DOWN	403.2697	403.2696	403.2702	10.90659	10.89355
2605	M440T44	1.47384	-0.55958	-1.40274	0.198774	0.863837	DOWN	440.3153	440.3148	440.3156	43.84783	43.80483
2606	M481T10_	1.494542	-0.5797	-1.45459	0.198793	0.863838	DOWN	481.3509	481.3398	481.3518	9.903425	9.732983
2607	M460T45_	1.215626	-0.2817	-1.42458	0.198882	0.863838	DOWN	460.2539	460.2536	460.254	44.61692	44.40417
2608	M1036T10	1.39041	-0.47551	-1.40432	0.198923	0.863838	DOWN	1036.352	1036.351	1036.352	9.830183	9.715683
2609	M534T41_	1.535042	-0.61828	-1.51842	0.198957	0.863838	DOWN	534.3269	534.3268	534.3271	40.7765	40.6545
2610	M1187T10	2.191404	-1.13186	-1.51363	0.198965	0.863838	DOWN	1186.687	1186.686	1186.689	10.24337	10.2024
2611	M404T11_	1.236673	-0.30646	-1.45586	0.198985	0.863838	DOWN	404.1457	404.1455	404.1467	10.9361	10.90785
2612	M151T12	1.16272	-0.2175	-1.42462	0.198996	0.863838	DOWN	151.1479	151.1478	151.148	12.48495	12.4426
2613	M498T9_8	1.419302	-0.50518	-1.48817	0.199094	0.863838	DOWN	498.1186	498.1183	498.119	9.344792	9.11795
2614	M1608T10	1.420876	-0.50678	-1.49152	0.19911	0.863838	DOWN	1607.69	1607.688	1607.691	9.6315	9.52515
2615	M607T12	1.307235	-0.38652	-1.41852	0.199125	0.863838	DOWN	607.4794	607.4792	607.4797	11.71528	11.69913
2616	M801T10_	1.791547	-0.84121	-1.44509	0.199147	0.863838	DOWN	800.5986	800.5976	800.6053	9.507933	9.416767
2617	M647T9_3	1.986531	-0.99025	-1.4039	0.199261	0.863838	DOWN	646.9538	646.9536	646.9552	9.317	9.24215
2618	M483T28	1.294885	0.372824	1.403523	0.199293	0.863839	UP	483.3553	483.3538	483.3561	28.21617	28.186
2619	M392T22	1.685716	-0.75336	-1.401	0.199314	0.863839	DOWN	391.5585	391.5581	391.5592	22.1055	22.02333
2620	M263T11_	1.36463	-0.44851	-1.39955	0.199439	0.863839	DOWN	262.625	262.6249	262.6252	11.22918	11.19848
2621	M628T10_	1.211388	-0.27666	-1.40361	0.199477	0.863839	DOWN	628.3595	628.3544	628.3598	9.681133	9.295167
2622	M413T10_	1.450544	-0.53659	-1.43189	0.199531	0.863839	DOWN	413.2036	413.2035	413.2038	9.970617	9.8753
2623	M178T18	1.430641	-0.51666	-1.4965	0.199569	0.863839	DOWN	178.0577	178.0576	178.0578	18.48475	18.46383
2624	M675T11_	1.210274	-0.27533	-1.42377	0.199725	0.863839	DOWN	675.4091	675.4086	675.4098	10.90553	10.89125

2625	M485T8	1.294079	-0.37193	-1.46261	0.199782	0.86384	DOWN	485.3578	485.3576	485.358	8.485642	8.413783
2626	M157T9_2	1.487296	-0.57269	-1.45048	0.19983	0.86384	DOWN	156.8557	156.8553	156.8563	9.300733	9.219483
2627	M569T27	1.944467	0.959375	1.440455	0.199877	0.86384	UP	569.3062	569.3058	569.3092	26.72383	26.69783
2628	M512T10_	1.212928	-0.27849	-1.50461	0.1999	0.86384	DOWN	512.4033	512.4027	512.4042	9.972917	9.859233
2629	M539T10_	1.218952	-0.28564	-1.40368	0.199904	0.86384	DOWN	539.0024	539.0017	539.0035	9.924308	9.827283
2630	M591T10_	1.198826	-0.26162	-1.47867	0.199996	0.86384	DOWN	590.5081	590.5077	590.5087	9.916525	9.8378
2631	M200T10_	1.256881	-0.32985	-1.48551	0.200002	0.86384	DOWN	200.1569	200.1497	200.157	9.830183	9.715683
2632	M475T11_	1.476994	-0.56266	-1.44035	0.200019	0.86384	DOWN	475.4685	475.4672	475.4689	10.95835	10.93655
2633	M821T12	1.419047	-0.50492	-1.45391	0.200151	0.86384	DOWN	821.4217	821.4214	821.4221	11.96146	11.94427
2634	M228T9_1	1.689771	-0.75683	-1.40036	0.200188	0.86384	DOWN	228.1927	228.1903	228.1941	9.2341	9.132267
2635	M270T10_	1.867228	0.900898	1.474882	0.200217	0.86384	UP	270.2996	270.2994	270.3073	9.74925	9.636483
2636	M1482T10	1.423095	-0.50903	-1.39647	0.200287	0.863841	DOWN	1482.333	1482.327	1482.336	9.904767	9.827283
2637	M411T10_	2.3645	1.241535	1.422245	0.200303	0.863841	UP	410.6823	410.682	410.6825	9.93625	9.827283
2638	M621T9_2	2.357998	-1.23756	-1.49115	0.200355	0.863841	DOWN	621.1934	621.1926	621.1943	8.798117	8.697767
2639	M389T10_	1.428158	-0.51416	-1.43372	0.200399	0.863841	DOWN	389.0139	389.0137	389.0141	9.514733	9.40135
2640	M393T11_	1.309927	0.389486	1.410909	0.200609	0.863841	UP	393.3043	393.3039	393.3055	10.8926	10.87487
2641	M213T10_	1.188727	-0.24942	-1.40002	0.200615	0.863841	DOWN	213.1014	213.1013	213.1014	9.984083	9.8753
2642	M687T21	1.221779	-0.28898	-1.44482	0.200618	0.863841	DOWN	686.5048	686.5044	686.5052	20.91125	20.88133
2643	M560T10_	1.55177	-0.63391	-1.48368	0.20063	0.863841	DOWN	560.1978	560.1972	560.1981	9.893742	9.806367
2644	M504T9_5	1.342673	-0.42511	-1.44845	0.20064	0.863841	DOWN	504.3603	504.3598	504.3606	9.206	9.159717
2645	M432T40	1.282085	-0.35849	-1.5212	0.20073	0.863841	DOWN	432.2228	432.2226	432.2229	39.77667	39.57517
2646	M1038T10	1.513896	-0.59827	-1.45847	0.200764	0.863842	DOWN	1038.463	1038.462	1038.463	9.746783	9.65225
2647	M438T9_2	1.800241	0.84819	1.398435	0.200824	0.863842	UP	437.6165	437.616	437.6169	9.25985	9.11405
2648	M330T11_	1.785678	0.836472	1.439945	0.200857	0.863842	UP	330.0034	330.003	330.0039	10.88982	10.84487
2649	M268T10_	1.994223	0.995827	1.519457	0.201006	0.863842	UP	267.5343	267.5298	267.5345	9.968992	9.77355
2650	M291T10_	1.194278	-0.25614	-1.43245	0.201027	0.863842	DOWN	290.5343	290.5341	290.5346	9.97155	9.859233
2651	M478T39_	1.33784	-0.41991	-1.42024	0.201036	0.863842	DOWN	478.2643	478.264	478.2646	38.748	38.38117
2652	M641T9_1	1.542835	-0.62558	-1.39898	0.201037	0.863842	DOWN	640.8944	640.8936	640.8951	9.300733	9.191133
2653	M717T9	1.352255	-0.43537	-1.42225	0.201083	0.863842	DOWN	717.3666	717.3662	717.367	9.484417	9.38595
2654	M259T11_	1.258529	0.331739	1.42308	0.201106	0.863842	UP	258.9037	258.9035	258.9038	10.90618	10.85838
2655	M582T11_	1.316276	-0.39646	-1.43935	0.201165	0.863842	DOWN	582.3946	582.3943	582.3952	11.10705	11.08352
2656	M700T10_	1.2509	-0.32297	-1.43452	0.201171	0.863842	DOWN	699.8253	699.825	699.8255	9.830083	9.715683
2657	M408T10_	1.950521	0.96386	1.435477	0.201182	0.863842	UP	408.2303	408.2298	408.2306	9.971292	9.859233
2658	M683T11_	3.507027	1.810248	1.526819	0.201213	0.863842	UP	682.5194	682.519	682.5212	10.63825	10.54603
2659	M676T9_3	1.419283	-0.50516	-1.40012	0.201285	0.863843	DOWN	675.7696	675.7678	675.7721	9.29345	9.159717

2660	M390T10_	1.280423	-0.35662	-1.44125	0.201289	0.863843	DOWN	389.8115	389.8113	389.8115	9.539883	9.432183
2661	M675T10_	1.256237	-0.32911	-1.45574	0.201297	0.863843	DOWN	675.1598	675.1596	675.16	9.83135	9.715683
2662	M378T11_	1.328779	-0.4101	-1.39363	0.201318	0.863843	DOWN	378.1856	378.1849	378.1903	10.92925	10.88982
2663	M363T38	1.349891	0.432843	1.404458	0.201381	0.863843	UP	363.2866	363.2862	363.2869	37.6905	37.66183
2664	M380T27_	1.187948	-0.24847	-1.39719	0.201425	0.863843	DOWN	380.2943	380.2941	380.2945	26.97233	26.96917
2665	M1082T25	10.98784	-3.45784	-1.52486	0.201489	0.863843	DOWN	1081.653	1081.651	1081.653	24.76833	24.75367
2666	M548T9_6	1.302145	-0.38089	-1.42479	0.201601	0.863843	DOWN	548.2474	548.2465	548.2487	9.219483	9.142767
2667	M217T10_	1.158408	-0.21214	-1.40391	0.201656	0.863843	DOWN	216.6879	216.6876	216.6883	9.916617	9.79535
2668	M822T11	1.326646	-0.40778	-1.39335	0.201696	0.863843	DOWN	822.3791	822.3788	822.3798	10.85838	10.8214
2669	M618T9_3	1.377263	0.461804	1.395548	0.201834	0.863844	UP	618.1487	618.1407	618.1507	9.257033	9.1178
2670	M367T10_	2.340104	1.226573	1.510838	0.201859	0.863844	UP	366.6125	366.6123	366.6131	9.9847	9.8753
2671	M731T37	5.729561	2.518425	1.522079	0.201923	0.863844	UP	730.5679	730.5673	730.568	37.115	37.07183
2672	M478T12	1.131429	-0.17815	-1.4037	0.202027	0.863844	DOWN	478.3998	478.3996	478.3999	11.71984	11.70755
2673	M469T10_	1.295829	0.373875	1.482341	0.202044	0.863844	UP	469.3146	469.3142	469.3147	9.9754	9.8753
2674	M321T9_3	1.608379	-0.68561	-1.45604	0.202059	0.863844	DOWN	320.9506	320.9502	320.951	9.262975	9.18975
2675	M163T10_	1.71666	0.779604	1.509254	0.202128	0.863844	UP	162.9775	162.9774	162.9829	9.971383	9.8753
2676	M327T10_	2.404311	1.265623	1.504708	0.202177	0.863844	UP	327.2265	327.226	327.2285	9.818525	9.68775
2677	M553T9_7	1.432001	-0.51803	-1.39543	0.202249	0.863845	DOWN	553.2286	553.2247	553.2292	9.16125	9.129317
2678	M266T14	2.011611	1.008351	1.503474	0.202592	0.863845	UP	266.1724	266.1722	266.1725	14.29753	14.26818
2679	M233T10_	1.374651	-0.45907	-1.38912	0.202595	0.863845	DOWN	232.5436	232.543	232.5538	9.830083	9.7124
2680	M348T10_	1.345296	-0.42792	-1.43697	0.202656	0.863845	DOWN	348.3612	348.3609	348.3614	9.830833	9.715683
2681	M332T10_	1.223435	-0.29094	-1.47369	0.202711	0.863845	DOWN	332.2511	332.2509	332.2512	9.830783	9.715683
2682	M572T9_2	1.413385	-0.49915	-1.40073	0.202724	0.863845	DOWN	571.9799	571.9787	571.9809	9.360783	9.250817
2683	M581T9_2	1.264827	-0.33894	-1.46598	0.20275	0.863845	DOWN	581.2717	581.271	581.273	9.2817	9.219483
2684	M383T45	1.206672	-0.27103	-1.51857	0.202775	0.863846	DOWN	383.3517	383.3516	383.3519	44.509	44.49183
2685	M1112T11	1.6175	-0.69377	-1.41403	0.202823	0.863846	DOWN	1111.626	1111.625	1111.627	11.22302	11.19848
2686	M176T9_4	1.46684	-0.55271	-1.4079	0.202869	0.863846	DOWN	176.151	176.1503	176.1514	9.277158	9.103733
2687	M669T9_3	1.365897	-0.44985	-1.38785	0.203046	0.863846	DOWN	669.1957	669.1949	669.1975	9.272992	9.129317
2688	M385T7_1	1.405064	-0.49064	-1.41619	0.203131	0.863846	DOWN	384.7715	384.7713	384.772	7.065917	6.94005
2689	M1969T10	1.303849	-0.38278	-1.41849	0.20315	0.863846	DOWN	1969.105	1969.104	1969.11	9.839008	9.73145
2690	M781T36	1.379858	0.46452	1.392847	0.203203	0.863846	UP	781.4711	781.4703	781.4716	35.89383	35.87683
2691	M348T10_	1.2571	-0.3301	-1.39309	0.203229	0.863846	DOWN	347.5087	347.5085	347.5088	9.908617	9.811217
2692	M345T9_1	1.268634	-0.34328	-1.45472	0.203366	0.863847	DOWN	345.0913	345.0912	345.0915	9.398375	9.30965
2693	M208T10_	1.325634	-0.40668	-1.46586	0.203398	0.863847	DOWN	207.8682	207.8603	207.8682	9.823575	9.715683
2694	M470T9_1	1.270964	-0.34592	-1.39068	0.203426	0.863847	DOWN	470.4392	470.4387	470.4404	9.285867	9.129317

2695	M207T9_2	1.788631	-0.83886	-1.3945	0.203472	0.863847	DOWN	207.4096	207.4078	207.4098	9.329083	9.250817
2696	M196T16	1.365679	0.449619	1.40478	0.203491	0.863847	UP	196.1692	196.169	196.1694	16.37473	16.34448
2697	M556T9_5	1.450298	-0.53635	-1.39184	0.203494	0.863847	DOWN	555.9409	555.9377	555.9412	9.242683	9.17485
2698	M502T10_	2.703026	1.434575	1.513174	0.203539	0.863847	UP	502.1053	502.1047	502.106	9.75365	9.743767
2699	M504T37	1.441059	-0.52713	-1.38587	0.203584	0.863847	DOWN	504.28	504.2798	504.2804	36.871	36.49617
2700	M454T42_	1.33316	-0.41485	-1.49965	0.203588	0.863847	DOWN	454.2642	454.2641	454.2645	41.53183	41.35917
2701	M550T23	1.33005	-0.41148	-1.41796	0.203665	0.863847	DOWN	549.8711	549.8708	549.8727	22.74133	22.7125
2702	M562T24	1.612148	-0.68898	-1.39811	0.203676	0.863847	DOWN	562.3738	562.3731	562.3744	23.72483	23.70483
2703	M552T10_	1.252511	-0.32482	-1.39024	0.203705	0.863847	DOWN	551.7147	551.7141	551.715	9.8348	9.743667
2704	M742T9_1	1.2571	-0.3301	-1.4064	0.203753	0.863847	DOWN	741.7902	741.789	741.7905	9.322542	9.234417
2705	M528T9_4	1.227004	-0.29514	-1.42644	0.203851	0.863848	DOWN	527.9557	527.9543	527.9563	9.250817	9.146383
2706	M379T9_2	1.398944	-0.48434	-1.43562	0.203871	0.863848	DOWN	378.7994	378.7981	378.8005	9.285508	9.11795
2707	M423T11_	1.688632	-0.75585	-1.4927	0.203927	0.863848	DOWN	422.9782	422.977	422.9871	10.84767	10.83393
2708	M806T9	1.343937	-0.42647	-1.39609	0.203942	0.863848	DOWN	806.0128	806.0111	806.0146	9.17485	9.146383
2709	M415T20_	1.543897	0.626576	1.44852	0.203949	0.863848	UP	415.3965	415.3921	415.3969	20.24783	20.245
2710	M593T9_1	1.253698	-0.32619	-1.38374	0.203982	0.863848	DOWN	592.7985	592.798	592.799	9.29795	9.1158
2711	M317T10_	1.527497	0.61117	1.397571	0.204024	0.863848	UP	317.3045	317.3043	317.3058	9.81635	9.715683
2712	M258T10_	1.575377	0.655697	1.388365	0.204039	0.863848	UP	257.562	257.5619	257.5622	9.903017	9.714783
2713	M318T10_	1.549707	0.631996	1.390894	0.204071	0.863848	UP	317.6574	317.6445	317.6576	9.884917	9.811217
2714	M395T10_	1.768894	-0.82285	-1.43614	0.204151	0.863848	DOWN	395.251	395.2509	395.251	9.975217	9.8753
2715	M158T10_	1.705747	-0.7704	-1.38578	0.204239	0.863848	DOWN	157.9251	157.9205	157.93	9.847767	9.816167
2716	M339T10_	1.235714	-0.30534	-1.48956	0.204244	0.863848	DOWN	338.8606	338.8605	338.8608	9.825767	9.715683
2717	M247T10_	1.672954	0.742398	1.384551	0.204279	0.863848	UP	246.6266	246.6265	246.6268	9.902283	9.843367
2718	M151T43	1.123654	-0.1682	-1.50111	0.20441	0.863849	DOWN	151.1115	151.1115	151.1115	43.37333	43.301
2719	M470T17_	1.227353	-0.29555	-1.38396	0.204418	0.863849	DOWN	470.3736	470.3732	470.3739	17.13925	17.1305
2720	M512T10_	1.501246	-0.58616	-1.43197	0.204535	0.863849	DOWN	511.8057	511.805	511.8072	9.602967	9.586183
2721	M824T9_3	1.950193	-0.96362	-1.38742	0.204719	0.863849	DOWN	824.0983	824.098	824.0999	8.796167	8.75965
2722	M297T10_	1.447358	-0.53342	-1.3808	0.204771	0.863849	DOWN	296.7476	296.7475	296.7477	9.972483	9.8753
2723	M456T13_	1.10876	-0.14895	-1.38073	0.204805	0.86385	DOWN	456.3576	456.3574	456.3579	13.22937	13.21485
2724	M448T11_	1.244219	-0.31524	-1.38662	0.20483	0.86385	DOWN	448.2865	448.2862	448.2875	10.51669	10.45613
2725	M230T10_	1.33212	-0.41372	-1.39258	0.204847	0.86385	DOWN	229.8012	229.8011	229.8013	9.902617	9.79535
2726	M392T15	1.210049	-0.27507	-1.38025	0.204864	0.86385	DOWN	392.2985	392.2983	392.2986	15.29263	15.26215
2727	M760T9_1	1.26657	-0.34093	-1.41641	0.204901	0.86385	DOWN	760.0037	760.0035	760.0046	9.307575	9.20785
2728	M479T10_	1.365224	-0.44914	-1.38588	0.204906	0.86385	DOWN	479.4764	479.4759	479.4771	9.824233	9.715683
2729	M348T10_	1.113882	-0.1556	-1.38252	0.204931	0.86385	DOWN	348.3268	348.3267	348.3272	9.872908	9.747533

2730	M1765T9_	1.110507	-0.15122	-1.46427	0.204989	0.86385	DOWN	1764.905	1764.903	1764.907	9.312125	9.219483
2731	M619T10_	1.255397	-0.32814	-1.39298	0.205062	0.86385	DOWN	619.0288	619.028	619.0294	9.956417	9.843367
2732	M461T9_2	1.74625	-0.80426	-1.37937	0.205109	0.86385	DOWN	461.1994	461.1991	461.2007	8.944258	8.888317
2733	M519T10_	1.170491	-0.22711	-1.41297	0.205128	0.86385	DOWN	519.1508	519.1505	519.1526	9.958442	9.843367
2734	M208T10_	1.253599	-0.32608	-1.47279	0.205338	0.863851	DOWN	207.522	207.5219	207.5221	9.836042	9.715683
2735	M434T9_5	3.665523	1.874019	1.46761	0.205478	0.863851	UP	433.7431	433.7429	433.7493	9.174883	9.098833
2736	M1381T11	1.304245	-0.38322	-1.37833	0.205479	0.863851	DOWN	1381.003	1381.001	1381.004	10.879	10.81738
2737	M720T13	1.403004	-0.48852	-1.39122	0.205615	0.863851	DOWN	720.4015	720.4	720.4026	13.0108	12.77672
2738	M521T9_2	1.378016	-0.46259	-1.39475	0.205734	0.863851	DOWN	520.6522	520.6496	520.6544	9.311883	9.160617
2739	M724T11	1.422295	-0.50822	-1.37992	0.205875	0.863852	DOWN	723.6873	723.6868	723.6879	10.8914	10.873
2740	M834T10	1.654991	-0.72682	-1.40164	0.205907	0.863852	DOWN	834.4764	834.4756	834.4768	9.69995	9.58735
2741	M284T9_1	1.572211	-0.6528	-1.424	0.205909	0.863852	DOWN	283.7442	283.7438	283.7443	9.304558	9.234417
2742	M612T9_4	1.730694	0.791351	1.378293	0.205963	0.863852	UP	611.8418	611.8412	611.842	9.275917	9.24215
2743	M693T10_	1.173049	-0.23026	-1.41561	0.205973	0.863852	DOWN	693.4907	693.4904	693.4908	9.525625	9.432183
2744	M207T10_	1.343646	-0.42615	-1.41604	0.205981	0.863852	DOWN	207.1921	207.192	207.1922	9.872067	9.778967
2745	M476T9_1	1.740659	0.799633	1.382373	0.205998	0.863852	UP	476.1162	476.1055	476.1165	9.221317	9.126783
2746	M536T38_	1.249711	-0.3216	-1.43495	0.206037	0.863852	DOWN	536.306	536.3058	536.3066	38.453	38.3235
2747	M698T9_1	1.262577	-0.33637	-1.38955	0.206094	0.863852	DOWN	697.5215	697.5212	697.5219	9.331083	9.234417
2748	M403T43	1.20957	-0.27449	-1.38723	0.206106	0.863852	DOWN	403.2323	403.2321	403.2325	42.81217	42.48133
2749	M492T9_8	1.332493	-0.41413	-1.41523	0.206134	0.863852	DOWN	492.4792	492.4789	492.4797	9.30235	9.159717
2750	M365T9_1	1.439958	-0.52603	-1.37581	0.206193	0.863852	DOWN	364.5977	364.5944	364.5979	9.311883	9.1503
2751	M534T26	1.421746	-0.50766	-1.3919	0.206218	0.863852	DOWN	533.8761	533.8753	533.8774	26.02817	26.02
2752	M786T20	1.50794	-0.59258	-1.37703	0.206413	0.863853	DOWN	785.6154	785.6151	785.616	20.2595	20.24533
2753	M187T9_3	1.639772	-0.7135	-1.46332	0.206479	0.863853	DOWN	187.1602	187.1594	187.1606	9.238867	9.09495
2754	M348T17	3.420465	1.774192	1.45414	0.206481	0.863853	UP	348.2167	348.2065	348.2175	17.01583	16.94267
2755	M1137T10	1.613909	-0.69056	-1.39012	0.206576	0.863853	DOWN	1136.982	1136.98	1136.984	9.567217	9.447617
2756	M1966T10	1.275092	0.350602	1.406796	0.206595	0.863853	UP	1966.413	1966.41	1966.42	9.84325	9.7124
2757	M212T10_	1.357675	-0.44114	-1.37613	0.206604	0.863853	DOWN	212.2598	212.2551	212.2599	9.956867	9.859233
2758	M1128T10	1.564965	-0.64613	-1.37618	0.206657	0.863853	DOWN	1128.142	1128.141	1128.144	9.979342	9.885167
2759	M700T11_	1.311164	-0.39085	-1.41461	0.2067	0.863853	DOWN	700.168	700.1677	700.1682	10.9049	10.88747
2760	M258T29	3.378767	1.756497	1.501708	0.206854	0.863853	UP	258.2788	258.2785	258.279	29.205	29.18367
2761	M353T9_1	1.449154	-0.53521	-1.4061	0.206906	0.863854	DOWN	353.124	353.123	353.1242	9.346	9.129317
2762	M350T43_	1.973892	-0.98104	-1.44446	0.206944	0.863854	DOWN	350.2171	350.2169	350.2173	43.3875	43.17183
2763	M641T16	1.301947	-0.38067	-1.39967	0.20698	0.863854	DOWN	641.4523	641.4519	641.4541	15.5695	15.51777
2764	M471T25	8.072741	-3.01306	-1.49928	0.207046	0.863854	DOWN	470.8236	470.8236	470.8237	24.6525	24.65117

2765	M200T10_	2.478781	-1.30963	-1.39301	0.207119	0.863854	DOWN	200.3827	200.3753	200.3828	9.82645	9.743667
2766	M365T19_	1.246866	-0.31831	-1.38836	0.207318	0.863854	DOWN	365.2197	365.2194	365.22	18.74633	18.73217
2767	M597T11_	1.844508	-0.88324	-1.45806	0.207332	0.863854	DOWN	596.713	596.7128	596.7146	11.3403	11.29438
2768	M302T8	1.34167	-0.42403	-1.37185	0.207352	0.863854	DOWN	302.1959	302.1958	302.196	8.495783	8.413783
2769	M276T9_2	1.826314	-0.86894	-1.43104	0.207374	0.863854	DOWN	276.0572	276.0571	276.0573	9.36515	9.310917
2770	M408T9_1	1.530934	-0.61441	-1.37966	0.207473	0.863855	DOWN	407.7321	407.7317	407.7325	9.315083	9.235933
2771	M857T11_	1.342972	-0.42543	-1.40844	0.207475	0.863855	DOWN	856.5308	856.5302	856.5318	10.72995	10.70448
2772	M848T25_	1.422261	0.508187	1.419017	0.207487	0.863855	UP	848.4495	848.448	848.4511	24.5945	24.55033
2773	M663T9_1	1.729071	-0.79	-1.41955	0.207516	0.863855	DOWN	663.1812	663.1809	663.1816	9.29345	9.234417
2774	M724T10_	1.340263	-0.42252	-1.48785	0.207524	0.863855	DOWN	724.4549	724.4538	724.4563	9.8207	9.715683
2775	M221T10_	1.211081	-0.27629	-1.44349	0.207566	0.863855	DOWN	220.5966	220.5964	220.6054	9.916617	9.811217
2776	M349T9_1	1.385256	-0.47015	-1.37234	0.207577	0.863855	DOWN	349.2645	349.2643	349.2646	9.314442	9.234417
2777	M829T9_3	2.53653	-1.34286	-1.43967	0.207581	0.863855	DOWN	828.7585	828.7576	828.7592	8.753417	8.712633
2778	M675T10_	1.399399	0.484808	1.400797	0.207628	0.863855	UP	675.3906	675.3878	675.3913	9.926825	9.728083
2779	M299T45_	1.511079	-0.59558	-1.46164	0.207667	0.863855	DOWN	299.1487	299.1486	299.1488	44.72567	44.59533
2780	M302T10_	1.928932	0.947802	1.397543	0.207673	0.863855	UP	302.2912	302.2846	302.2987	9.960967	9.830083
2781	M481T9_4	1.406488	-0.4921	-1.41602	0.20772	0.863855	DOWN	480.743	480.742	480.7444	9.311167	9.1445
2782	M323T9_2	1.411195	-0.49692	-1.3722	0.207765	0.863855	DOWN	322.851	322.8506	322.8512	9.3332	9.234417
2783	M431T9_1	1.386398	-0.47134	-1.3845	0.207789	0.863855	DOWN	431.2128	431.2127	431.213	8.762975	8.715883
2784	M265T10_	1.767241	0.821499	1.482875	0.207877	0.863855	UP	264.7303	264.7302	264.7306	9.985733	9.8914
2785	M663T10_	1.242256	0.312962	1.391902	0.208318	0.863856	UP	663.3677	663.3673	663.3683	10.17318	10.05268
2786	M889T11	1.354635	-0.4379	-1.37497	0.208389	0.863856	DOWN	888.5312	888.53	888.5318	11.34908	11.31508
2787	M1005T10	1.604457	-0.68208	-1.38312	0.208426	0.863856	DOWN	1004.623	1004.622	1004.624	10.00822	9.916767
2788	M203T12	1.800334	0.848264	1.461892	0.208473	0.863856	UP	203.1066	203.1065	203.1067	11.52295	11.46753
2789	M324T10_	1.496369	-0.58147	-1.44332	0.208527	0.863857	DOWN	324.2704	324.2656	324.2708	9.960967	9.758367
2790	M526T7	2.957798	-1.56452	-1.42914	0.208602	0.863857	DOWN	526.3603	526.3601	526.3605	7.186475	7.08535
2791	M354T9_3	1.39738	0.482724	1.367657	0.208607	0.863857	UP	353.7663	353.7663	353.7664	9.29345	9.234417
2792	M205T10_	1.202515	0.266055	1.37925	0.208649	0.863857	UP	204.6646	204.6644	204.6646	9.86285	9.79065
2793	M232T10_	1.854532	0.891055	1.443739	0.208673	0.863857	UP	232.0734	232.0732	232.0734	9.953592	9.859233
2794	M253T10_	1.486887	0.572295	1.449818	0.208732	0.863857	UP	252.7472	252.7469	252.7495	9.77345	9.729367
2795	M307T9_4	1.384355	-0.46921	-1.38961	0.208804	0.863857	DOWN	307.055	307.0545	307.0553	9.275917	9.219483
2796	M238T10_	20.6156	4.365665	1.496601	0.208829	0.863857	UP	238.1412	238.141	238.1414	10.49625	10.44008
2797	M229T10_	1.27317	-0.34842	-1.39861	0.208855	0.863857	DOWN	228.952	228.9517	228.952	9.916617	9.811217
2798	M235T11_	1.950002	-0.96348	-1.37413	0.208957	0.863857	DOWN	235.2095	235.2093	235.2096	10.68992	10.63825
2799	M478T10_	1.082367	-0.11419	-1.40081	0.208966	0.863857	DOWN	477.6457	477.6442	477.6461	9.801883	9.696683



2800	M308T9_4	1.193886	-0.25567	-1.3998	0.209008	0.863857	DOWN	308.2693	308.2692	308.2695	9.25985	9.175017
2801	M832T10_	1.433717	-0.51976	-1.36644	0.20903	0.863858	DOWN	831.5273	831.5261	831.5282	9.994658	9.8914
2802	M375T11_	1.239638	-0.30992	-1.38354	0.209077	0.863858	DOWN	375.3215	375.3205	375.3236	10.90548	10.8646
2803	M1878T10	1.508803	0.593404	1.367953	0.209229	0.863858	UP	1878.177	1878.174	1878.178	9.8374	9.699733
2804	M235T10_	1.241931	-0.31258	-1.37357	0.209236	0.863858	DOWN	235.126	235.122	235.1314	9.930908	9.811217
2805	M232T10_	1.396956	-0.48229	-1.3689	0.209341	0.863858	DOWN	232.3524	232.3517	232.3533	9.816167	9.7124
2806	M304T22	1.414644	-0.50044	-1.41215	0.209466	0.863858	DOWN	304.2843	304.2842	304.2845	22.43917	22.42617
2807	M336T9_8	2.466562	-1.3025	-1.37653	0.209479	0.863858	DOWN	336.2933	336.2932	336.2934	9.325333	9.275917
2808	M646T10_	1.482373	-0.56791	-1.36537	0.209531	0.863858	DOWN	646.3282	646.3278	646.3284	9.630342	9.52595
2809	M399T44_	1.231288	-0.30017	-1.40318	0.209534	0.863858	DOWN	399.2374	399.237	399.2376	43.58867	43.43067
2810	M805T9	1.678456	-0.74713	-1.36751	0.209585	0.863859	DOWN	804.5144	804.5134	804.5149	8.644492	8.601067
2811	M228T9_1	1.636327	-0.71046	-1.36916	0.20965	0.863859	DOWN	228.4244	228.4237	228.4255	9.26575	9.147367
2812	M176T10_	1.37544	-0.45989	-1.45007	0.209669	0.863859	DOWN	176.3692	176.369	176.3693	9.960967	9.843367
2813	M153T9_3	1.753433	-0.81018	-1.3889	0.209888	0.863859	DOWN	153.0177	153.0174	153.0178	9.2678	9.219483
2814	M950T24	10.33607	-3.36962	-1.49009	0.21007	0.863859	DOWN	949.5732	949.5729	949.574	24.44792	24.419
2815	M849T10_	1.364825	-0.44872	-1.39203	0.210096	0.863859	DOWN	848.5156	848.5146	848.5162	10.36511	10.27932
2816	M226T10_	2.053705	1.038229	1.460729	0.210175	0.86386	UP	225.6544	225.6543	225.6545	9.886433	9.806367
2817	M288T9_4	1.449811	-0.53586	-1.37265	0.210232	0.86386	DOWN	287.9882	287.9878	287.9884	8.857667	8.7875
2818	M1322T10	1.540885	-0.62376	-1.38754	0.210241	0.86386	DOWN	1322.2	1322.198	1322.201	9.956417	9.885167
2819	M394T11_	1.270247	-0.34511	-1.41975	0.210299	0.86386	DOWN	394.1268	394.1251	394.1302	10.91809	10.8926
2820	M350T11_	1.280831	-0.35708	-1.38215	0.210305	0.86386	DOWN	349.6477	349.6475	349.648	10.90765	10.879
2821	M857T11_	1.393244	-0.47845	-1.36418	0.210398	0.86386	DOWN	857.0326	857.0319	857.0335	10.73328	10.7046
2822	M726T10_	1.12116	-0.16499	-1.3638	0.210475	0.86386	DOWN	725.6612	725.661	725.6625	9.830283	9.715683
2823	M309T10_	1.249675	-0.32155	-1.42419	0.210509	0.86386	DOWN	308.5083	308.5039	308.5087	9.840617	9.715683
2824	M1085T10	1.215701	-0.28179	-1.36153	0.210522	0.86386	DOWN	1084.65	1084.648	1084.658	9.828642	9.7124
2825	M468T28	1.352476	0.435603	1.374191	0.21057	0.86386	UP	468.308	468.3076	468.3094	27.51117	27.48267
2826	M492T9_2	1.360379	-0.44401	-1.36219	0.210598	0.86386	DOWN	492.1572	492.1564	492.1575	9.311167	9.219483
2827	M832T10_	1.181034	-0.24005	-1.36142	0.21062	0.86386	DOWN	832.4609	832.4591	832.4632	10.29887	10.23422
2828	M365T9_1	1.592019	-0.67086	-1.3617	0.210623	0.86386	DOWN	365.1314	365.1312	365.1317	9.325333	9.275917
2829	M505T15	1.352758	-0.4359	-1.36791	0.210696	0.863861	DOWN	505.3339	505.3337	505.3352	15.38047	15.07322
2830	M634T9_2	2.349343	-1.23226	-1.46618	0.21074	0.863861	DOWN	633.817	633.8165	633.8179	9.376367	9.275917
2831	M676T11_	1.405713	0.491302	1.361716	0.210761	0.863861	UP	675.5763	675.5759	675.578	10.90553	10.84487
2832	M430T11_	1.716028	-0.77907	-1.40002	0.210834	0.863861	DOWN	430.033	430.0327	430.0334	10.87668	10.80695
2833	M206T10_	1.29868	-0.37705	-1.36035	0.210866	0.863861	DOWN	205.6723	205.6722	205.6724	10.3044	10.28192
2834	M341T10_	1.230826	-0.29963	-1.42057	0.210895	0.863861	DOWN	340.9867	340.9865	340.9869	9.830458	9.715683

2835	M182T11_	1.432025	-0.51806	-1.41133	0.210895	0.863861	DOWN	181.7573	181.7572	181.758	10.89193	10.8646
2836	M209T10_	1.490494	-0.57579	-1.36033	0.210914	0.863861	DOWN	209.2012	209.2011	209.2014	10.43282	10.40807
2837	M788T10_	1.269284	-0.34402	-1.3821	0.210928	0.863861	DOWN	787.8127	787.8117	787.8131	9.9014	9.79535
2838	M294T10_	1.75865	-0.81447	-1.44819	0.210947	0.863861	DOWN	293.5907	293.5906	293.5909	9.952308	9.8914
2839	M666T10_	2.980202	1.57541	1.477772	0.210975	0.863861	UP	665.7038	665.7027	665.7041	9.823575	9.715683
2840	M234T9_1	1.335187	0.417041	1.370614	0.210996	0.863861	UP	233.5074	233.5065	233.5076	9.3471	9.1322
2841	M300T29	1.85518	0.891559	1.456867	0.210999	0.863861	UP	300.2893	300.2892	300.2895	28.66333	28.65133
2842	M637T10_	1.187252	-0.24763	-1.41942	0.211009	0.863861	DOWN	636.715	636.7144	636.717	9.823575	9.715683
2843	M220T11_	1.627293	0.702474	1.359862	0.211054	0.863861	UP	219.8244	219.8244	219.8248	10.91936	10.9049
2844	M891T11_	1.50846	-0.59308	-1.39923	0.211081	0.863861	DOWN	890.5069	890.5064	890.5077	11.32571	11.30593
2845	M413T15_	1.934338	0.95184	1.449273	0.211096	0.863861	UP	413.2896	413.2892	413.2896	15.31108	15.30765
2846	M685T10_	1.484033	0.569524	1.375803	0.2111	0.863861	UP	685.4613	685.4608	685.4618	9.799767	9.7124
2847	M634T25	6.934496	-2.79379	-1.4814	0.211216	0.863862	DOWN	633.9311	633.9297	633.9311	25.21983	25.18417
2848	M786T10_	2.321327	1.21495	1.385236	0.211248	0.863862	UP	785.5394	785.537	785.5409	9.932	9.859233
2849	M292T9_2	1.275647	-0.35123	-1.39008	0.211269	0.863862	DOWN	292.1924	292.1919	292.1924	8.985492	8.89395
2850	M545T9_4	2.776267	-1.47315	-1.44007	0.211297	0.863862	DOWN	545.3651	545.3525	545.3661	8.779867	8.672483
2851	M615T9_4	1.394192	-0.47943	-1.36019	0.211352	0.863862	DOWN	615.0765	615.0713	615.0785	9.176533	9.142767
2852	M521T9_3	1.368017	-0.45209	-1.3807	0.211451	0.863862	DOWN	520.7347	520.7333	520.7356	9.160617	9.129317
2853	M388T20_	1.592802	-0.67157	-1.37179	0.211458	0.863862	DOWN	387.5543	387.5542	387.5547	19.83625	19.76783
2854	M1425T9	1.969144	-0.97757	-1.36329	0.211498	0.863862	DOWN	1425.378	1425.375	1425.381	9.278717	9.22495
2855	M360T9_3	1.631156	-0.70589	-1.39571	0.211548	0.863862	DOWN	359.743	359.7428	359.7432	9.138833	9.0864
2856	M1551T10	1.205613	-0.26977	-1.37783	0.211603	0.863862	DOWN	1550.524	1550.519	1550.527	9.92825	9.827283
2857	M548T11_	1.308207	-0.38759	-1.36443	0.211682	0.863862	DOWN	547.6801	547.6798	547.6805	10.58473	10.55068
2858	M222T10_	13.43239	3.747644	1.484706	0.211708	0.863862	UP	222.1099	222.1099	222.11	9.626517	9.610767
2859	M646T9_1	1.330552	-0.41202	-1.35764	0.211774	0.863863	DOWN	645.9854	645.9848	645.9871	9.285867	9.1445
2860	M345T9_5	1.32991	-0.41133	-1.35951	0.211775	0.863863	DOWN	344.8437	344.8433	344.8438	9.311883	9.219483
2861	M614T9_1	1.45973	-0.5457	-1.35709	0.211799	0.863863	DOWN	613.5233	613.5227	613.525	9.314442	9.234417
2862	M573T10_	1.240624	-0.31107	-1.36666	0.211859	0.863863	DOWN	573.4975	573.4971	573.498	9.9091	9.811217
2863	M1475T10	1.689447	-0.75655	-1.35753	0.211883	0.863863	DOWN	1474.897	1474.89	1474.9	9.926825	9.822117
2864	M468T13	1.171834	-0.22877	-1.36271	0.211893	0.863863	DOWN	468.3428	468.3426	468.3432	12.63128	12.61823
2865	M355T40_	1.285443	-0.36227	-1.47565	0.211938	0.863863	DOWN	355.2114	355.2113	355.2115	39.71917	39.5875
2866	M350T44_	1.505819	-0.59055	-1.3678	0.211957	0.863863	DOWN	350.2172	350.2171	350.2173	44.30783	44.23
2867	M233T9	1.496707	-0.58179	-1.42433	0.211981	0.863863	DOWN	233.4026	233.4015	233.4031	9.287617	9.132267
2868	M476T10_	1.177943	0.23627	1.367665	0.212074	0.863863	UP	476.4987	476.4964	476.4989	9.856867	9.508883
2869	M200T10_	1.241488	-0.31207	-1.42199	0.21221	0.863863	DOWN	199.9312	199.9311	199.9313	9.830083	9.715683

2870	M277T19	1.956947	0.968604	1.418908	0.212218	0.863863	UP	277.2006	277.2003	277.2011	18.97067	18.9655
2871	M328T10_	1.362658	-0.44642	-1.38673	0.212258	0.863863	DOWN	327.6608	327.6606	327.6614	9.9744	9.843367
2872	M656T10_	1.270471	0.345363	1.471221	0.212298	0.863863	UP	655.8237	655.8231	655.8246	9.830458	9.715683
2873	M454T43_	1.365258	-0.44917	-1.38231	0.212362	0.863864	DOWN	454.2642	454.2641	454.2644	42.55333	42.4095
2874	M234T10_	1.161943	-0.21654	-1.37205	0.212365	0.863864	DOWN	234.2348	234.2346	234.2348	9.944392	9.827283
2875	M712T9_6	1.336358	-0.41831	-1.35662	0.212402	0.863864	DOWN	712.2783	712.2766	712.2794	9.213667	9.160617
2876	M365T44	1.163554	-0.21854	-1.42965	0.21247	0.863864	DOWN	365.3412	365.341	365.3414	43.75417	43.661
2877	M538T13_	1.111242	-0.15217	-1.35488	0.212473	0.863864	DOWN	538.3996	538.3995	538.3998	13.25862	13.24407
2878	M316T7_1	1.723765	-0.78556	-1.35941	0.212536	0.863864	DOWN	316.2115	316.2113	316.2116	7.26615	7.1915
2879	M581T9_4	1.355317	-0.43863	-1.40426	0.212758	0.863864	DOWN	581.4162	581.4135	581.4178	9.191133	9.129317
2880	M434T9_4	2.288694	1.194525	1.470782	0.212781	0.863864	UP	433.7215	433.7204	433.7236	9.196783	9.06855
2881	M212T10_	1.42507	-0.51103	-1.36776	0.212797	0.863864	DOWN	212.188	212.188	212.1881	9.910333	9.811217
2882	M836T11	1.429145	-0.51515	-1.38493	0.212861	0.863864	DOWN	835.5209	835.5203	835.5219	10.64621	10.59933
2883	M1071T10	1.180056	0.238855	1.413648	0.212931	0.863865	UP	1071.431	1071.43	1071.432	9.77345	9.62055
2884	M207T10_	1.321068	-0.40171	-1.44364	0.213003	0.863865	DOWN	207.2838	207.2836	207.2839	9.830083	9.715683
2885	M871T15	1.328744	-0.41006	-1.35312	0.213011	0.863865	DOWN	871.4149	871.4136	871.4164	14.7874	14.75152
2886	M566T43	1.332764	-0.41442	-1.37433	0.213107	0.863865	DOWN	566.3169	566.3167	566.3171	43.30133	43.15717
2887	M236T10_	1.399776	-0.4852	-1.39746	0.213221	0.863865	DOWN	236.2837	236.2828	236.2845	9.816167	9.715683
2888	M325T9_1	1.168075	-0.22413	-1.36056	0.213261	0.863865	DOWN	324.6206	324.6204	324.6208	8.825317	8.715883
2889	M333T10_	1.306196	-0.38537	-1.41246	0.213271	0.863865	DOWN	333.4055	333.4053	333.4056	9.830558	9.715683
2890	M433T11_	1.348937	-0.43182	-1.37597	0.213366	0.863865	DOWN	432.8438	432.8429	432.8443	11.42482	11.38158
2891	M534T40_	1.485816	-0.57126	-1.434	0.213541	0.863866	DOWN	534.3268	534.3267	534.3272	39.66842	39.64717
2892	M417T10_	1.280815	0.357062	1.39963	0.213553	0.863866	UP	416.8666	416.8664	416.8668	9.983467	9.8753
2893	M353T17_	1.470303	-0.55611	-1.38547	0.213557	0.863866	DOWN	353.1569	353.1567	353.157	17.21942	17.0445
2894	M527T10_	3.539944	1.823727	1.47391	0.213671	0.863866	UP	526.8309	526.8301	526.8313	9.984083	9.8753
2895	M488T11_	1.440205	-0.52627	-1.37672	0.213679	0.863866	DOWN	488.1954	488.1952	488.1959	11.23793	11.21303
2896	M524T9_1	1.52153	-0.60552	-1.42371	0.213735	0.863866	DOWN	523.5665	523.565	523.5672	9.366108	9.2468
2897	M477T10_	2.406547	1.266965	1.436354	0.213809	0.863866	UP	477.3046	477.3043	477.305	9.816167	9.728083
2898	M301T9_2	1.322725	-0.40351	-1.37689	0.213826	0.863866	DOWN	300.7914	300.7909	300.7923	9.28995	9.129317
2899	M581T25	9.911337	-3.30908	-1.47468	0.213869	0.863866	DOWN	580.89	580.8893	580.8902	25.0725	25.0555
2900	M270T13	1.232109	-0.30113	-1.4225	0.213896	0.863866	DOWN	269.7034	269.7032	269.704	13.25877	13.2438
2901	M365T9_1	1.587323	-0.6666	-1.35019	0.213943	0.863866	DOWN	365.4724	365.4709	365.4762	9.174967	9.1036
2902	M611T11_	1.487486	-0.57288	-1.39868	0.213961	0.863866	DOWN	611.389	611.3886	611.3902	11.41772	11.40895
2903	M186T10_	1.585169	-0.66464	-1.35115	0.214031	0.863867	DOWN	185.5255	185.5255	185.5256	9.951283	9.885167
2904	M301T10_	1.437144	-0.5232	-1.35703	0.214124	0.863867	DOWN	301.4532	301.4531	301.4533	9.91875	9.811217

2905	M539T13_	1.142719	-0.19247	-1.35612	0.214125	0.863867	DOWN	539.4031	539.4028	539.4034	13.25869	13.24427
2906	M304T11_	1.335041	0.416884	1.410374	0.214174	0.863867	UP	303.9567	303.9564	303.9572	10.93208	10.89125
2907	M338T9_8	1.408621	-0.49428	-1.35045	0.214205	0.863867	DOWN	338.3342	338.3337	338.3365	9.255333	8.832317
2908	M453T7_2	2.458561	-1.29781	-1.44409	0.214235	0.863867	DOWN	453.3431	453.3422	453.3432	6.85995	6.779933
2909	M865T35	3.309033	-1.72641	-1.46499	0.214473	0.863867	DOWN	864.6259	864.6251	864.6262	35.41175	35.35867
2910	M354T10_	1.275982	0.351608	1.38057	0.214494	0.863867	UP	353.745	353.7444	353.7452	9.8207	9.696683
2911	M208T10_	1.321348	-0.40201	-1.41278	0.214503	0.863867	DOWN	208.1071	208.1069	208.1071	9.8207	9.715683
2912	M1729T10	1.240361	0.31076	1.405228	0.214509	0.863867	UP	1729.056	1729.054	1729.058	9.933567	9.811217
2913	M708T21	1.264579	-0.33866	-1.35214	0.214552	0.863868	DOWN	708.487	708.4865	708.4874	20.90992	20.88133
2914	M302T10_	1.92724	0.946536	1.444741	0.214572	0.863868	UP	301.6972	301.697	301.7053	9.964167	9.8322
2915	M384T44	1.036272	-0.0514	-1.34831	0.214678	0.863868	DOWN	384.355	384.3549	384.3551	43.70383	43.68967
2916	M489T10_	1.94546	0.960111	1.360127	0.214832	0.863868	UP	489.3285	489.3282	489.3287	9.799767	9.743667
2917	M769T10_	1.394284	-0.47952	-1.35435	0.214919	0.863868	DOWN	768.8038	768.8034	768.8045	9.985733	9.90755
2918	M349T10_	1.267009	-0.34143	-1.45374	0.214952	0.863868	DOWN	349.4667	349.4666	349.4669	9.830083	9.715683
2919	M288T10_	1.224248	-0.2919	-1.37391	0.214978	0.863868	DOWN	288.1404	288.14	288.1407	9.940633	9.827283
2920	M350T10_	1.474841	-0.56056	-1.34679	0.215002	0.863868	DOWN	349.9714	349.9712	349.9717	9.830283	9.728083
2921	M994T9_2	1.935584	-0.95277	-1.3489	0.215069	0.863868	DOWN	993.7074	993.7059	993.7085	8.734525	8.697767
2922	M288T10_	1.133596	-0.18091	-1.34777	0.215078	0.863868	DOWN	287.7024	287.7022	287.7027	9.964092	9.859233
2923	M214T9_1	1.661963	-0.73289	-1.35741	0.215123	0.863869	DOWN	214.0887	214.0869	214.0893	9.269717	9.132267
2924	M433T9_8	1.740595	0.799581	1.352792	0.215162	0.863869	UP	432.9774	432.9752	432.9817	9.357567	9.12675
2925	M420T34	1.127227	0.172779	1.411086	0.215201	0.863869	UP	420.2226	420.2224	420.2231	34.22233	34.076
2926	M409T10_	3.542915	1.824937	1.36852	0.21525	0.863869	UP	409.248	409.2453	409.2543	9.98005	9.970617
2927	M177T10_	1.62904	-0.70402	-1.35445	0.21527	0.863869	DOWN	176.7453	176.7452	176.7453	9.964417	9.885167
2928	M372T10_	1.600739	0.678738	1.349064	0.215297	0.863869	UP	372.1227	372.1226	372.123	9.9722	9.8753
2929	M553T10_	1.277807	-0.35367	-1.37552	0.215409	0.863869	DOWN	553.1833	553.1823	553.1837	9.830083	9.715683
2930	M295T10_	1.255541	-0.32831	-1.4523	0.215412	0.863869	DOWN	295.21	295.2098	295.2104	9.916617	9.79535
2931	M315T9_6	1.238696	-0.30882	-1.36474	0.21542	0.863869	DOWN	315.2289	315.2275	315.234	9.311167	9.129317
2932	M739T9_3	1.291967	-0.36957	-1.34476	0.215616	0.863869	DOWN	738.849	738.8485	738.8493	9.317	9.234417
2933	M1142T10	1.619725	-0.69575	-1.44596	0.215657	0.863869	DOWN	1141.657	1141.657	1141.658	10.2013	10.11747
2934	M417T20_	4.490872	-2.167	-1.46497	0.215662	0.863869	DOWN	417.2637	417.2632	417.2642	20.25975	20.21617
2935	M312T9_1	1.541178	-0.62403	-1.35465	0.215691	0.863869	DOWN	311.5841	311.5841	311.5842	9.450542	9.416817
2936	M636T10_	1.495025	-0.58017	-1.3445	0.21577	0.86387	DOWN	635.7334	635.7326	635.7346	9.946417	9.853533
2937	M508T45_	1.19723	-0.2597	-1.3559	0.21587	0.86387	DOWN	508.2748	508.2746	508.275	44.75717	44.58117
2938	M203T11_	1.863719	-0.89818	-1.34393	0.215872	0.86387	DOWN	202.6994	202.6993	202.6997	10.91282	10.8926
2939	M658T10_	1.789349	-0.83943	-1.42331	0.215973	0.86387	DOWN	658.0263	658.0256	658.0287	9.853633	9.65225

2940	M322T29_	1.823365	-0.8666	-1.35885	0.215987	0.86387	DOWN	321.5846	321.5843	321.5852	28.6355	28.62
2941	M351T10_	1.767556	0.821756	1.350626	0.216149	0.86387	UP	350.5242	350.524	350.5243	9.82645	9.77435
2942	M548T39_	1.265528	-0.33974	-1.36583	0.216254	0.86387	DOWN	548.3425	548.3423	548.3432	39.38833	39.063
2943	M235T10_	1.225817	-0.29374	-1.40646	0.216335	0.863871	DOWN	234.521	234.5208	234.5211	9.950258	9.843367
2944	M421T9_3	2.622281	1.390822	1.415879	0.216393	0.863871	UP	421.2046	421.2044	421.2052	8.889467	8.88765
2945	M775T21	1.245074	-0.31623	-1.35989	0.216432	0.863871	DOWN	774.5575	774.5571	774.558	21.15083	21.14033
2946	M568T43_	1.354821	0.438103	1.343477	0.216462	0.863871	UP	568.3325	568.3321	568.3326	43.07117	42.85517
2947	M520T12_	1.439865	-0.52593	-1.37218	0.216477	0.863871	DOWN	520.29	520.2897	520.2906	12.14723	12.06243
2948	M258T10_	1.907506	0.931687	1.463643	0.216489	0.863871	UP	257.7853	257.7849	257.7855	9.744917	9.636483
2949	M553T11_	1.313951	-0.39391	-1.34907	0.216507	0.863871	DOWN	553.2037	553.2035	553.2057	10.94538	10.91987
2950	M416T42_	1.397405	-0.48275	-1.34242	0.216544	0.863871	DOWN	416.2276	416.2275	416.2279	42.45992	42.1075
2951	M1147T10_	1.28188	-0.35826	-1.34687	0.216704	0.863871	DOWN	1146.971	1146.97	1146.971	9.57265	9.46325
2952	M220T9_2	2.353095	-1.23456	-1.43069	0.216717	0.863871	DOWN	219.5655	219.5646	219.5663	9.369667	9.197983
2953	M182T10_	1.453935	-0.53996	-1.39163	0.216731	0.863871	DOWN	182.2929	182.2928	182.2929	9.85925	9.857983
2954	M696T10_	1.474127	0.559861	1.413859	0.216882	0.863872	UP	696.1595	696.1591	696.16	9.856867	9.715683
2955	M408T12_	1.269395	-0.34414	-1.38003	0.216932	0.863872	DOWN	408.333	408.3328	408.3333	12.28077	12.25235
2956	M233T11_	1.32969	0.41109	1.347897	0.216969	0.863872	UP	233.0691	233.069	233.0692	10.8914	10.879
2957	M214T9_1	1.367678	-0.45173	-1.34212	0.217034	0.863872	DOWN	213.9961	213.9951	213.9969	9.279417	9.146383
2958	M360T9_2	1.530423	-0.61393	-1.34549	0.217104	0.863872	DOWN	359.7309	359.7308	359.7313	9.250817	9.219483
2959	M363T9_1	1.147171	-0.19808	-1.34512	0.217112	0.863872	DOWN	362.987	362.9864	362.9872	8.993033	8.892117
2960	M381T16_	1.177821	-0.23612	-1.34096	0.217112	0.863872	DOWN	381.2687	381.2684	381.269	15.52973	15.51198
2961	M201T10_	1.274866	-0.35035	-1.40385	0.217143	0.863872	DOWN	200.9524	200.9523	200.9525	9.830083	9.715683
2962	M1314T9	1.513022	-0.59743	-1.38648	0.217186	0.863872	DOWN	1314.083	1314.081	1314.087	9.3471	9.0511
2963	M423T11_	1.877197	0.90858	1.366601	0.217211	0.863872	UP	423.2698	423.2687	423.2769	10.92678	10.84395
2964	M165T30	1.80272	0.850175	1.342668	0.217226	0.863872	UP	165.0542	165.044	165.0546	29.82658	29.7905
2965	M460T42_	1.527429	-0.61111	-1.45282	0.217297	0.863872	DOWN	460.29	460.2899	460.2902	41.676	41.51767
2966	M620T39	1.340583	0.42286	1.342309	0.217321	0.863872	UP	620.364	620.3639	620.3645	39.28767	39.12933
2967	M370T9_7	1.2788	-0.35479	-1.34278	0.217341	0.863872	DOWN	370.2398	370.2329	370.2406	9.443225	9.208217
2968	M208T9_8	1.305848	-0.38499	-1.33882	0.217428	0.863873	DOWN	208.2995	208.299	208.3002	9.237883	9.146383
2969	M790T10_	1.266624	-0.34099	-1.34569	0.217457	0.863873	DOWN	790.4492	790.4489	790.4495	9.646267	9.52595
2970	M226T10_	2.129052	1.090211	1.449708	0.217497	0.863873	UP	225.6976	225.6975	225.6978	9.943183	9.827283
2971	M658T10_	1.272589	-0.34777	-1.34557	0.217568	0.863873	DOWN	658.152	658.1514	658.1538	9.83535	9.715683
2972	M197T10_	2.087671	-1.06189	-1.34905	0.217595	0.863873	DOWN	196.6163	196.6132	196.6165	9.9009	9.715683
2973	M383T14_	1.623853	0.699421	1.377177	0.217602	0.863873	UP	383.2891	383.2888	383.2894	14.22292	14.12177
2974	M528T23_	1.213824	-0.27956	-1.35569	0.217662	0.863873	DOWN	528.3594	528.3589	528.3598	22.65617	22.6115

2975	M347T9_5	1.167414	-0.22332	-1.36396	0.217668	0.863873	DOWN	347.2267	347.2261	347.2271	9.000783	8.892117
2976	M324T20	1.274996	0.350492	1.344737	0.217706	0.863873	UP	324.2896	324.2891	324.29	19.831	19.78833
2977	M682T10_	1.484832	0.5703	1.338737	0.217722	0.863873	UP	681.6587	681.6582	681.66	9.946467	9.843367
2978	M230T20	1.609678	-0.68677	-1.37441	0.217842	0.863873	DOWN	230.1536	230.1535	230.1539	19.73042	19.55783
2979	M360T10_	1.847183	0.885327	1.454053	0.217867	0.863873	UP	360.0995	360.0892	360.0999	9.848417	9.715683
2980	M926T9	1.669064	-0.73904	-1.35713	0.217869	0.863873	DOWN	925.6567	925.6547	925.6601	9.205342	9.103733
2981	M783T10_	1.31068	-0.39032	-1.3381	0.217899	0.863873	DOWN	783.3261	783.3256	783.3266	9.629008	9.52595
2982	M220T10_	1.336979	-0.41898	-1.4026	0.217949	0.863873	DOWN	219.6253	219.6246	219.626	9.830183	9.7124
2983	M527T34	1.269245	-0.34397	-1.35396	0.218	0.863873	DOWN	527.3981	527.3978	527.3988	33.7445	33.72983
2984	M605T10_	1.872202	0.904736	1.354969	0.218004	0.863873	UP	605.349	605.3463	605.3519	9.773942	9.640367
2985	M317T10_	1.358719	-0.44225	-1.38113	0.218017	0.863874	DOWN	316.9149	316.9147	316.9156	9.9351	9.853533
2986	M341T25	1.376911	-0.46144	-1.34522	0.218189	0.863874	DOWN	341.3524	341.352	341.3527	25.49383	25.47233
2987	M800T10_	1.714142	0.777487	1.345756	0.218272	0.863874	UP	800.2378	800.237	800.2387	9.966725	9.8753
2988	M255T10_	4.995204	2.320544	1.457705	0.21834	0.863874	UP	254.7267	254.7266	254.7269	9.950283	9.853533
2989	M394T10_	1.36583	-0.44978	-1.36992	0.218371	0.863874	DOWN	394.457	394.4568	394.4571	9.972483	9.8753
2990	M521T13_	1.135079	-0.18279	-1.35859	0.218397	0.863874	DOWN	521.4057	521.4055	521.4061	12.61781	12.61638
2991	M507T10_	1.332738	-0.41439	-1.33649	0.218561	0.863874	DOWN	506.9777	506.977	506.9784	10.44737	10.39298
2992	M462T9_2	1.640875	-0.71447	-1.34266	0.218605	0.863875	DOWN	462.2027	462.202	462.2036	8.9459	8.93705
2993	M577T9_3	1.391273	-0.47641	-1.33848	0.218607	0.863875	DOWN	577.0781	577.0708	577.0801	9.26575	9.061
2994	M556T10_	1.241005	-0.31151	-1.37252	0.218636	0.863875	DOWN	556.4684	556.4679	556.4694	9.902008	9.79535
2995	M706T10_	1.1997	0.262674	1.440244	0.218726	0.863875	UP	705.5604	705.5597	705.5618	9.825767	9.715683
2996	M334T10_	2.033773	-1.02416	-1.42365	0.218735	0.863875	DOWN	333.9694	333.9692	333.9707	9.848417	9.715683
2997	M378T41_	2.454322	-1.29532	-1.34262	0.218875	0.863875	DOWN	378.2483	378.2482	378.2485	41.49583	41.40233
2998	M313T9_4	1.386094	-0.47102	-1.33411	0.218949	0.863875	DOWN	312.9247	312.9241	312.9249	8.878342	8.7575
2999	M595T11_	1.362884	-0.44666	-1.33548	0.219005	0.863875	DOWN	595.3334	595.3325	595.3449	10.84049	10.7249
3000	M968T10_	1.515853	-0.60013	-1.33733	0.219063	0.863875	DOWN	968.4558	968.4551	968.4566	10.07472	9.955733
3001	M518T42_	1.287069	0.364089	1.337502	0.219131	0.863875	UP	518.2955	518.2954	518.2957	42.14308	42.0055
3002	M384T9_1	1.46193	-0.54787	-1.36294	0.219151	0.863875	DOWN	383.7055	383.7042	383.7064	9.332258	9.241267
3003	M457T9_6	2.018142	-1.01303	-1.43375	0.219177	0.863875	DOWN	457.1659	457.1652	457.1711	9.1158	9.018167
3004	M210T10_	1.671995	-0.74157	-1.35931	0.219243	0.863876	DOWN	210.163	210.1629	210.163	9.830283	9.699733
3005	M441T10_	1.282984	-0.3595	-1.35132	0.219621	0.863876	DOWN	440.7786	440.7783	440.7789	9.929783	9.811217
3006	M365T9_1	1.622756	-0.69845	-1.33379	0.219662	0.863876	DOWN	365.2652	365.2641	365.2717	9.24215	9.1602
3007	M382T9_1	1.541703	-0.62452	-1.39624	0.219675	0.863876	DOWN	381.5803	381.5789	381.5808	8.896292	8.7891
3008	M639T10_	1.151391	-0.20338	-1.43892	0.21968	0.863876	DOWN	638.5766	638.5759	638.5806	9.830283	9.715683
3009	M197T10_	1.499278	-0.58427	-1.35022	0.219697	0.863876	DOWN	197.0677	197.0677	197.0784	9.743767	9.56645

3010	M347T10_	1.198365	-0.26107	-1.33734	0.219755	0.863876	DOWN	347.2671	347.2669	347.2673	10.13125	10.03658
3011	M317T9_3	1.432766	-0.5188	-1.3596	0.219787	0.863877	DOWN	316.9565	316.9562	316.9567	9.317	9.234417
3012	M488T11_	1.368695	-0.4528	-1.33943	0.219866	0.863877	DOWN	487.609	487.6088	487.61	10.9198	10.8926
3013	M536T11_	1.778804	0.830907	1.437024	0.219979	0.863877	UP	536.3305	536.3303	536.3306	11.39496	11.36615
3014	M1170T25	7.323024	-2.87244	-1.45017	0.220034	0.863877	DOWN	1169.704	1169.703	1169.706	24.92875	24.912
3015	M398T10_	1.689189	-0.75633	-1.3397	0.220068	0.863877	DOWN	397.9516	397.951	397.9522	9.920517	9.853533
3016	M298T24	1.138287	-0.18686	-1.33494	0.220194	0.863877	DOWN	298.2009	298.2006	298.2012	23.69283	23.6825
3017	M642T9_2	1.536869	-0.61999	-1.34028	0.220202	0.863877	DOWN	641.9917	641.9898	641.9937	9.190442	9.12675
3018	M661T10_	1.31819	-0.39856	-1.37513	0.220246	0.863877	DOWN	660.8358	660.8351	660.8363	9.830458	9.73145
3019	M620T31	1.208442	-0.27315	-1.38016	0.2203	0.863877	DOWN	620.4367	620.4364	620.4371	31.40692	31.39217
3020	M389T10_	1.564486	0.645689	1.341099	0.220321	0.863877	UP	388.9775	388.9775	388.9778	9.8734	9.779267
3021	M208T10_	1.311446	-0.39116	-1.40132	0.220371	0.863877	DOWN	207.6293	207.6214	207.6294	9.823575	9.715683
3022	M200T9_1	2.370173	-1.24499	-1.37023	0.22053	0.863878	DOWN	200.1126	200.1074	200.1164	9.1544	9.1322
3023	M289T10_	1.363682	0.447507	1.3287	0.22064	0.863878	UP	289.3167	289.3166	289.3225	9.928667	9.859233
3024	M427T24	11.80755	-3.56164	-1.44672	0.220733	0.863878	DOWN	426.7975	426.7974	426.7977	24.45017	24.419
3025	M364T19	22.95068	4.520465	1.449312	0.220829	0.863878	UP	364.2957	364.2954	364.2964	18.57017	18.55867
3026	M453T9_6	2.752859	-1.46093	-1.44503	0.220919	0.863878	DOWN	452.9317	452.9309	452.9387	9.223908	9.098833
3027	M923T22	1.262052	-0.33577	-1.32774	0.221015	0.863879	DOWN	922.6312	922.6309	922.632	22.42917	22.422
3028	M1894T10	1.11569	-0.15794	-1.32761	0.221029	0.863879	DOWN	1893.969	1893.967	1893.972	9.8207	9.715683
3029	M188T10_	1.315244	0.395331	1.406633	0.221079	0.863879	UP	187.9822	187.9821	187.9823	9.964092	9.853533
3030	M566T20	1.300326	-0.37887	-1.34497	0.221086	0.863879	DOWN	566.4316	566.431	566.4322	19.53292	19.48217
3031	M378T40_	4.119459	2.042455	1.447189	0.221114	0.863879	UP	378.2482	378.248	378.2485	39.50317	39.1725
3032	M994T25	8.452889	-3.07944	-1.44439	0.221129	0.863879	DOWN	993.5992	993.599	993.6009	24.54233	24.50667
3033	M754T10_	1.49771	-0.58276	-1.32758	0.221181	0.863879	DOWN	753.8609	753.8602	753.8617	9.790675	9.6681
3034	M297T11_	1.245484	0.316706	1.327239	0.221215	0.863879	UP	296.7312	296.7307	296.7319	10.90548	10.8926
3035	M364T9_4	1.592667	-0.67144	-1.33851	0.221255	0.863879	DOWN	363.8747	363.8697	363.8768	9.26095	9.092333
3036	M463T10_	2.101178	1.071198	1.430124	0.221294	0.863879	UP	463.4392	463.4384	463.4399	9.767875	9.649833
3037	M341T10_	1.131142	-0.17778	-1.367	0.221353	0.863879	DOWN	341.2623	341.262	341.2625	9.8736	9.779267
3038	M386T9_5	1.299483	-0.37794	-1.38147	0.221405	0.863879	DOWN	386.3391	386.3388	386.3402	9.441	9.355317
3039	M616T10_	1.591178	-0.6701	-1.32862	0.22162	0.86388	DOWN	616.3979	616.3976	616.3981	9.918492	9.8378
3040	M515T25	9.646296	-3.26998	-1.44232	0.221637	0.86388	DOWN	514.85	514.8494	514.8504	24.82583	24.79767
3041	M216T9_3	1.343596	-0.4261	-1.34607	0.221711	0.86388	DOWN	216.123	216.1226	216.1233	8.871883	8.688517
3042	M339T10_	1.252317	-0.3246	-1.39727	0.221757	0.86388	DOWN	339.3587	339.3584	339.3589	9.8207	9.715683
3043	M345T9_1	1.71743	0.780251	1.336879	0.221816	0.86388	UP	345.2394	345.2308	345.2397	8.819317	8.730433
3044	M230T10_	2.80552	1.488268	1.426401	0.221894	0.86388	UP	230.411	230.4109	230.411	9.964167	9.859233

3045	M476T22_	4.460258	2.157127	1.422922	0.221979	0.86388	UP	476.3281	476.328	476.3362	21.52233	21.25067
3046	M662T10_	1.348392	-0.43124	-1.33446	0.221984	0.86388	DOWN	662.4657	662.4646	662.4662	9.816133	9.715683
3047	M174T10_	1.30222	-0.38097	-1.3389	0.222016	0.86388	DOWN	174.2579	174.2575	174.2579	9.914108	9.8378
3048	M297T43	2.201853	-1.13872	-1.40403	0.222096	0.86388	DOWN	297.1695	297.1695	297.1805	42.8265	42.51017
3049	M383T9_6	1.848673	-0.88649	-1.32748	0.222098	0.86388	DOWN	383.4259	383.4217	383.4313	9.186775	9.0864
3050	M560T11_	1.48393	-0.56942	-1.33677	0.222114	0.86388	DOWN	559.8138	559.813	559.814	10.90765	10.873
3051	M412T9_9	3.141462	1.651436	1.428899	0.222135	0.86388	UP	412.2233	412.2179	412.224	9.280767	8.872733
3052	M383T11_	1.733986	0.794092	1.328394	0.222141	0.86388	UP	383.2306	383.2301	383.2309	11.27975	11.2714
3053	M403T42_	1.403749	-0.48929	-1.3654	0.222155	0.86388	DOWN	403.2324	403.2322	403.2325	41.54025	41.057
3054	M173T2	1.620849	0.696749	1.407677	0.222223	0.863881	UP	172.9766	172.9765	172.9766	2.147367	2.128683
3055	M1030T10	1.719767	0.782213	1.381811	0.222256	0.863881	UP	1030.252	1030.252	1030.254	9.8207	9.699733
3056	M264T13	1.409236	0.494913	1.414687	0.222262	0.863881	UP	264.1566	264.1565	264.1567	12.58763	12.57248
3057	M1140T10	1.521651	0.605638	1.339284	0.222265	0.863881	UP	1140.05	1140.049	1140.054	9.791142	9.76065
3058	M593T9_2	1.40904	-0.49471	-1.33221	0.222426	0.863881	DOWN	593.2421	593.2415	593.2426	8.989067	8.9536
3059	M222T27	1.68571	-0.75336	-1.39144	0.222471	0.863881	DOWN	222.1567	222.1566	222.1568	27.25575	27.22733
3060	M177T9_5	2.111833	-1.0785	-1.37045	0.222501	0.863881	DOWN	177.0915	177.0914	177.0924	9.2946	9.132267
3061	M702T10_	1.13919	-0.18801	-1.40448	0.222542	0.863881	DOWN	702.4446	702.4427	702.445	9.840617	9.715683
3062	M545T9_3	1.491307	-0.57658	-1.33916	0.222552	0.863881	DOWN	545.3057	545.3051	545.3065	9.174225	9.133667
3063	M849T10_	1.620255	-0.69622	-1.32827	0.222589	0.863881	DOWN	848.8279	848.8265	848.8294	9.921542	9.857983
3064	M645T9_3	1.432154	0.518187	1.336486	0.222708	0.863881	UP	644.9212	644.9203	644.923	9.337408	9.275917
3065	M338T25_	1.798452	-0.84676	-1.34564	0.222766	0.863881	DOWN	338.4369	338.4364	338.4372	24.76817	24.68983
3066	M365T9_3	1.424488	-0.51044	-1.33407	0.222777	0.863881	DOWN	364.7197	364.7189	364.7205	8.827033	8.7575
3067	M211T10_	7.52443	2.911582	1.441603	0.222847	0.863882	UP	211.1037	211.0939	211.1041	9.98345	9.8753
3068	M416T39_	1.537802	-0.62087	-1.38186	0.222863	0.863882	DOWN	416.2642	416.2639	416.2643	38.525	38.38117
3069	M246T10_	1.402123	-0.48761	-1.33276	0.222895	0.863882	DOWN	245.5176	245.5169	245.5178	9.933967	9.827283
3070	M203T6_2	2.930913	1.55135	1.433722	0.222992	0.863882	UP	203.0524	203.0523	203.0526	6.278067	6.09805
3071	M759T25	1.263987	-0.33798	-1.32454	0.223025	0.863882	DOWN	758.5624	758.5619	758.5628	25.31833	25.3035
3072	M366T10_	1.350923	-0.43395	-1.36289	0.223042	0.863882	DOWN	365.8528	365.8527	365.8531	9.82645	9.715683
3073	M431T9_5	1.27404	0.349411	1.324264	0.223052	0.863882	UP	430.9609	430.9606	430.9614	8.797625	8.749717
3074	M374T14	1.188939	-0.24968	-1.32339	0.223117	0.863882	DOWN	374.2904	374.2902	374.2906	13.69751	13.68268
3075	M697T10_	1.262331	-0.33609	-1.37824	0.223136	0.863882	DOWN	696.8809	696.8806	696.8812	9.830083	9.715683
3076	M152T10_	1.261663	-0.33533	-1.37323	0.223153	0.863882	DOWN	152.024	152.0239	152.024	9.915583	9.811217
3077	M391T9_6	1.448503	-0.53456	-1.32071	0.223168	0.863882	DOWN	391.2682	391.2674	391.2687	8.9949	8.8977
3078	M589T12	1.867902	0.901419	1.375035	0.223169	0.863882	UP	589.4236	589.4226	589.4243	11.67816	11.62172
3079	M379T10_	1.245955	-0.31725	-1.3286	0.223225	0.863882	DOWN	379.428	379.4276	379.4289	9.903092	9.79535



3080	M678T10_	1.434267	-0.52031	-1.32243	0.223242	0.863882	DOWN	677.6769	677.6756	677.6774	9.714783	9.398167
3081	M726T11_	2.194343	1.133789	1.421075	0.223284	0.863882	UP	726.2962	726.2948	726.297	10.88605	10.8214
3082	M712T3	1.740453	-0.79946	-1.34155	0.223433	0.863883	DOWN	711.5012	711.5008	711.5015	3.276167	3.07495
3083	M609T11_	1.23991	-0.31024	-1.3211	0.223439	0.863883	DOWN	609.3445	609.3442	609.3451	10.56788	10.5191
3084	M489T10_	1.34812	-0.43095	-1.37295	0.22344	0.863883	DOWN	488.978	488.9778	488.9785	10.33037	10.27932
3085	M343T10_	1.471695	-0.55748	-1.33342	0.223531	0.863883	DOWN	343.4861	343.4834	343.4863	9.5098	9.388367
3086	M1377T10	1.287244	-0.36429	-1.32551	0.223543	0.863883	DOWN	1377.493	1377.492	1377.495	9.84095	9.743667
3087	M221T10_	1.244524	-0.31559	-1.38163	0.223546	0.863883	DOWN	221.3395	221.3313	221.3397	9.909433	9.811217
3088	M324T10_	1.378763	0.463375	1.382577	0.223583	0.863883	UP	324.4154	324.4153	324.4156	9.82645	9.77435
3089	M263T11_	1.126932	-0.1724	-1.36813	0.223616	0.863883	DOWN	262.7306	262.7302	262.7308	10.91376	10.879
3090	M470T9_6	1.473936	0.559674	1.346836	0.223625	0.863883	UP	470.296	470.2927	470.3005	9.124475	9.03845
3091	M379T9_5	2.455089	1.295776	1.427365	0.223654	0.863883	UP	379.057	379.0569	379.0572	9.304558	9.219483
3092	M226T10_	3.379772	1.756926	1.436704	0.223699	0.863883	UP	225.7325	225.7324	225.7327	9.9351	9.827283
3093	M467T17	1.419781	-0.50567	-1.35247	0.223819	0.863883	DOWN	467.319	467.3184	467.3193	17.278	17.24667
3094	M209T9_7	1.251087	-0.32318	-1.33343	0.223845	0.863883	DOWN	209.4789	209.4788	209.479	9.26575	9.1445
3095	M293T9_1	1.459747	-0.54572	-1.32232	0.223859	0.863883	DOWN	292.6939	292.6934	292.7035	9.008417	8.90715
3096	M228T9_7	2.286669	-1.19325	-1.32546	0.223865	0.863883	DOWN	227.8853	227.8828	227.8869	9.303242	9.146383
3097	M1351T10	1.475588	0.56129	1.334421	0.223868	0.863883	UP	1351.01	1351.009	1351.012	9.969158	9.859233
3098	M726T11_	1.482687	-0.56821	-1.39295	0.223974	0.863883	DOWN	726.4302	726.4298	726.4305	11.2229	11.19848
3099	M332T10_	4.523761	-2.17752	-1.42515	0.224083	0.863884	DOWN	331.8012	331.8008	331.8017	9.841308	9.715683
3100	M673T35	2.60925	1.383635	1.425127	0.224141	0.863884	UP	672.5258	672.5249	672.527	35.1135	34.95517
3101	M490T39_	1.342709	-0.42515	-1.35882	0.224159	0.863884	DOWN	490.2645	490.2643	490.2646	39.25883	39.11483
3102	M1048T25	6.298613	-2.65503	-1.43498	0.224282	0.863884	DOWN	1047.536	1047.536	1047.538	24.68	24.6525
3103	M320T16	1.460582	-0.54654	-1.32057	0.224305	0.863884	DOWN	320.2946	320.2944	320.2947	15.64296	15.62888
3104	M480T11_	1.229474	-0.29804	-1.33079	0.224363	0.863884	DOWN	479.5884	479.5881	479.5886	10.892	10.8646
3105	M349T10_	1.200224	-0.2633	-1.43126	0.224367	0.863884	DOWN	348.7293	348.7291	348.7294	9.83535	9.715683
3106	M657T9_3	1.245756	-0.31702	-1.33673	0.224377	0.863884	DOWN	657.1007	657.1001	657.1021	9.322542	9.234417
3107	M1083T10	1.168152	-0.22423	-1.37672	0.224409	0.863884	DOWN	1082.635	1082.634	1082.64	9.847133	9.73145
3108	M189T9_8	2.110928	-1.07788	-1.34399	0.224416	0.863884	DOWN	188.9788	188.9783	188.9791	9.174917	9.145433
3109	M1028T12	1.893246	-0.92086	-1.3895	0.224506	0.863884	DOWN	1027.792	1027.792	1027.793	12.15013	12.10728
3110	M534T43_	1.501483	0.586388	1.316776	0.224538	0.863884	UP	534.2906	534.2905	534.2907	42.97033	42.78333
3111	M755T10_	1.541642	-0.62447	-1.31835	0.224561	0.863884	DOWN	755.1775	755.1759	755.1778	9.938742	9.853533
3112	M344T10_	1.175495	-0.23327	-1.31654	0.224564	0.863884	DOWN	343.5321	343.5318	343.5322	9.823317	9.715683
3113	M1032T10	1.346632	-0.42936	-1.31603	0.224728	0.863885	DOWN	1032.041	1032.039	1032.042	9.746308	9.636483
3114	M438T14	1.191335	-0.25258	-1.33123	0.224734	0.863885	DOWN	438.3685	438.3682	438.3688	13.9535	13.93132

3115	M608T42	1.232398	-0.30147	-1.31677	0.224742	0.863885	DOWN	608.3639	608.3633	608.3642	41.991	41.66133
3116	M542T10_	1.170633	-0.22729	-1.31634	0.224747	0.863885	DOWN	541.642	541.6413	541.6443	9.903283	9.79535
3117	M443T11_	6.925724	-2.79196	-1.43357	0.224802	0.863885	DOWN	443.2279	443.2274	443.2288	10.94132	10.90197
3118	M342T11_	1.433629	-0.51967	-1.32965	0.224851	0.863885	DOWN	341.5463	341.5461	341.5465	10.8926	10.83572
3119	M414T9_6	1.261946	-0.33565	-1.31753	0.224867	0.863885	DOWN	413.824	413.8235	413.8251	9.423708	9.30965
3120	M171T9_1	1.555356	-0.63724	-1.36443	0.224868	0.863885	DOWN	170.7509	170.7506	170.7512	9.317	9.24215
3121	M859T10	1.379158	-0.46379	-1.35346	0.224878	0.863885	DOWN	859.3795	859.3778	859.3813	10.11379	10.04355
3122	M552T18	1.328298	-0.40958	-1.31807	0.224895	0.863885	DOWN	552.4157	552.4153	552.4169	18.3335	18.30017
3123	M249T10_	1.173874	-0.23128	-1.40894	0.224919	0.863885	DOWN	248.6112	248.611	248.6116	9.848833	9.73145
3124	M379T10_	1.122786	-0.16708	-1.31748	0.22501	0.863885	DOWN	379.0105	379.0101	379.0112	9.917167	9.811217
3125	M379T11_	1.197765	-0.26035	-1.34468	0.225055	0.863885	DOWN	379.1751	379.1749	379.1759	10.90519	10.879
3126	M156T10_	1.436433	-0.52249	-1.37512	0.225157	0.863885	DOWN	155.6813	155.681	155.6817	9.830833	9.715683
3127	M344T10_	1.853842	0.890518	1.416439	0.225253	0.863885	UP	344.0267	344.0265	344.0332	9.856867	9.7634
3128	M179T10_	1.591546	-0.67043	-1.34934	0.225302	0.863886	DOWN	178.7015	178.7014	178.7019	9.992883	9.88865
3129	M492T14	1.187107	-0.24745	-1.31403	0.225372	0.863886	DOWN	492.3788	492.3786	492.379	14.38493	14.3696
3130	M333T28	1.132067	-0.17896	-1.31691	0.225471	0.863886	DOWN	333.096	333.0956	333.0962	28.2955	28.273
3131	M1143T10	1.897404	-0.92403	-1.40767	0.225482	0.863886	DOWN	1142.661	1142.659	1142.662	10.18535	10.12287
3132	M1892T10	1.404386	-0.48994	-1.32428	0.225567	0.863886	DOWN	1892.268	1892.266	1892.271	9.816242	9.715683
3133	M254T10_	1.224468	-0.29215	-1.31876	0.225585	0.863886	DOWN	254.4227	254.4225	254.4229	9.94785	9.853533
3134	M186T9	1.259547	-0.3329	-1.313	0.225634	0.863886	DOWN	186.3767	186.3767	186.3769	9.311167	9.129317
3135	M558T10_	1.241904	-0.31255	-1.35729	0.225637	0.863886	DOWN	557.5169	557.5165	557.5181	9.903092	9.79535
3136	M396T10_	1.196546	-0.25888	-1.42224	0.225746	0.863886	DOWN	396.4666	396.4664	396.4668	9.903283	9.79535
3137	M558T10_	1.388263	-0.47328	-1.3722	0.225848	0.863886	DOWN	557.8315	557.831	557.8322	10.16043	10.03658
3138	M611T9	1.381582	-0.46632	-1.32244	0.225942	0.863887	DOWN	610.7889	610.7882	610.7891	9.317	9.234417
3139	M325T10_	1.261018	-0.33459	-1.42694	0.225945	0.863887	DOWN	324.5656	324.5514	324.5659	9.823575	9.715683
3140	M225T10_	1.320626	-0.40122	-1.34688	0.225983	0.863887	DOWN	225.0637	225.0636	225.0638	9.945258	9.8378
3141	M493T25	11.93262	-3.57684	-1.42855	0.226084	0.863887	DOWN	492.8363	492.8362	492.8365	24.76717	24.68133
3142	M457T13_	1.406376	-0.49198	-1.39841	0.226214	0.863887	DOWN	457.3487	457.3457	457.3496	13.17118	13.01057
3143	M351T9_4	1.453967	-0.53999	-1.31093	0.226259	0.863887	DOWN	350.6808	350.6793	350.6823	9.311883	9.146383
3144	M789T10_	1.264208	-0.33823	-1.35615	0.226274	0.863887	DOWN	789.007	789.0061	789.009	9.902008	9.79535
3145	M822T10_	1.539946	-0.62288	-1.38307	0.226334	0.863887	DOWN	821.8044	821.8044	821.8051	9.888817	9.806367
3146	M643T9_4	1.488797	-0.57415	-1.31671	0.226408	0.863887	DOWN	643.2273	643.226	643.2277	9.353875	9.275917
3147	M294T10_	1.556927	-0.6387	-1.34554	0.226438	0.863887	DOWN	293.9097	293.9096	293.91	9.951283	9.853533
3148	M1975T10	1.586958	-0.66626	-1.33008	0.226449	0.863887	DOWN	1975.199	1975.195	1975.203	9.866292	9.65225
3149	M699T9_1	1.274286	-0.34969	-1.32179	0.22645	0.863887	DOWN	698.5248	698.5244	698.5277	9.348233	9.234417

3150	M395T10_	1.282769	-0.35926	-1.31161	0.226514	0.863887	DOWN	394.7184	394.7182	394.7186	9.960817	9.859233
3151	M657T12	1.215349	-0.28137	-1.32534	0.226591	0.863888	DOWN	657.4563	657.4557	657.4573	12.47789	12.47028
3152	M638T10_	1.448939	-0.535	-1.31937	0.226601	0.863888	DOWN	637.9997	637.9993	638.0114	9.840042	9.728083
3153	M588T10_	1.550768	-0.63298	-1.34814	0.226684	0.863888	DOWN	588.081	588.0809	588.0814	9.9014	9.806367
3154	M660T10_	1.138039	-0.18655	-1.30971	0.226761	0.863888	DOWN	659.591	659.5892	659.5948	9.830783	9.7124
3155	M502T10_	1.36135	0.445038	1.310062	0.226797	0.863888	UP	502.2722	502.272	502.2727	9.534867	9.432183
3156	M1323T45	1.240137	-0.3105	-1.31847	0.226978	0.863888	DOWN	1322.883	1322.882	1322.887	44.75367	44.6815
3157	M496T9_4	2.500285	-1.32209	-1.3952	0.227025	0.863888	DOWN	495.7245	495.7238	495.7247	9.146383	9.111033
3158	M545T25	13.56857	-3.7622	-1.42526	0.22705	0.863888	DOWN	545.3764	545.3761	545.3771	24.94183	24.89767
3159	M522T9_5	1.379207	-0.46384	-1.34297	0.227112	0.863888	DOWN	522.3252	522.3248	522.3257	9.328967	9.1445
3160	M324T9_1	1.236916	-0.30675	-1.3084	0.227156	0.863888	DOWN	324.1967	324.1965	324.1969	8.8978	8.83365
3161	M789T10_	1.228803	-0.29725	-1.39158	0.227281	0.863889	DOWN	789.064	789.0624	789.0664	9.94785	9.843367
3162	M580T9_7	1.331997	-0.41359	-1.32511	0.227355	0.863889	DOWN	580.38	580.3761	580.3804	9.182333	9.1445
3163	M200T25	1.239043	-0.30923	-1.32207	0.227401	0.863889	DOWN	200.2369	200.2368	200.237	24.5335	24.51967
3164	M349T10_	1.198899	-0.26171	-1.36943	0.227535	0.863889	DOWN	349.0809	349.0806	349.081	9.836042	9.715683
3165	M167T9_3	1.309913	-0.38947	-1.34982	0.227659	0.863889	DOWN	166.5454	166.545	166.5459	9.311883	9.18975
3166	M613T10_	2.120978	-1.08473	-1.40462	0.227659	0.863889	DOWN	612.8806	612.8783	612.8819	10.31602	10.24687
3167	M255T10_	1.81568	-0.86051	-1.30622	0.227779	0.863889	DOWN	254.8717	254.8716	254.8718	9.960417	9.869467
3168	M245T38	1.654772	0.726632	1.310966	0.227803	0.863889	UP	245.1381	245.1381	245.1382	38.15833	38.0365
3169	M458T25_	15.38799	-3.94373	-1.42141	0.227814	0.86389	DOWN	457.8256	457.8252	457.8258	24.56558	24.53583
3170	M458T10_	1.411765	0.4975	1.307484	0.227896	0.86389	UP	458.0843	458.0834	458.0906	9.964092	9.729367
3171	M670T10_	1.118672	-0.16179	-1.30744	0.227973	0.86389	DOWN	669.7914	669.7913	669.7916	9.818442	9.699733
3172	M864T22	1.364459	-0.44833	-1.32101	0.228023	0.86389	DOWN	863.6138	863.6132	863.6144	21.9555	21.92417
3173	M522T11_	1.33788	-0.41995	-1.32023	0.228024	0.86389	DOWN	521.6537	521.6528	521.6545	10.57021	10.47223
3174	M804T11_	1.77252	-0.8258	-1.38244	0.228025	0.86389	DOWN	803.9351	803.9346	803.9375	10.55162	10.47197
3175	M746T23	1.357184	-0.44062	-1.32177	0.228103	0.86389	DOWN	745.5319	745.5304	745.5325	22.538	22.50967
3176	M350T9_5	1.44341	-0.52948	-1.30515	0.228129	0.86389	DOWN	349.9428	349.9426	349.943	9.322983	9.234417
3177	M567T25	10.76134	-3.42779	-1.42114	0.228134	0.86389	DOWN	567.3897	567.3894	567.39	25.00117	24.972
3178	M374T9_3	1.384232	-0.46909	-1.32169	0.228207	0.86389	DOWN	373.9026	373.9019	373.9029	9.494433	9.40135
3179	M393T10_	1.255964	0.328795	1.311715	0.228216	0.86389	UP	393.2503	393.25	393.2508	9.633692	9.541483
3180	M852T10_	1.317064	-0.39733	-1.3117	0.228241	0.86389	DOWN	852.3663	852.3655	852.3672	9.957333	9.843367
3181	M476T9_4	1.849861	0.887417	1.304886	0.228242	0.86389	UP	475.6505	475.6467	475.6543	9.3165	9.133667
3182	M1889T10	1.687865	0.7552	1.36992	0.228318	0.86389	UP	1889.321	1889.32	1889.323	9.8374	9.699733
3183	M271T16_	2.037299	-1.02666	-1.33914	0.22837	0.86389	DOWN	271.1151	271.1148	271.1179	16.41835	16.12362
3184	M504T38_	1.288778	0.366003	1.360918	0.228463	0.863891	UP	504.28	504.2798	504.2801	37.61867	37.54667

3185	M390T11_	1.500324	0.585274	1.326808	0.228469	0.863891	UP	390.4513	390.4511	390.4518	10.91987	10.85838
3186	M221T27	1.503324	-0.58816	-1.38331	0.228496	0.863891	DOWN	221.1534	221.1533	221.1536	27.25083	27.22733
3187	M333T10_	1.066603	-0.09302	-1.32799	0.228621	0.863891	DOWN	332.5937	332.5934	332.5944	9.823575	9.715683
3188	M332T18	192.1894	7.586385	1.420031	0.228621	0.863891	UP	332.2794	332.2794	332.2795	17.94808	17.93333
3189	M758T9_2	1.41509	-0.50089	-1.31654	0.228621	0.863891	DOWN	757.9831	757.9826	757.9839	9.365833	9.219483
3190	M458T10_	1.237876	-0.30787	-1.3499	0.228623	0.863891	DOWN	458.0059	458.0055	458.0067	9.903283	9.714783
3191	M308T9_2	1.888278	-0.91707	-1.31117	0.228632	0.863891	DOWN	307.8266	307.8266	307.8268	9.46855	9.40135
3192	M736T20	1.385704	-0.47062	-1.32002	0.22896	0.863891	DOWN	736.4377	736.4372	736.4389	19.89625	19.87883
3193	M501T9_8	1.219059	0.285768	1.308991	0.229013	0.863891	UP	501.3222	501.3212	501.3233	8.894467	8.817367
3194	M207T10_	1.191164	-0.25237	-1.37352	0.229204	0.863892	DOWN	207.4603	207.4603	207.4604	9.842908	9.73145
3195	M327T10_	1.390696	-0.47581	-1.33948	0.229246	0.863892	DOWN	326.5282	326.5276	326.5285	9.772883	9.73145
3196	M659T10_	1.422709	-0.50864	-1.30203	0.229363	0.863892	DOWN	658.9144	658.9135	658.9155	10.15645	10.09108
3197	M676T25	1.741787	-0.80057	-1.32746	0.229384	0.863892	DOWN	676.4844	676.4834	676.4846	24.86917	24.84
3198	M160T9_1	1.3092	-0.38869	-1.30373	0.229395	0.863892	DOWN	159.661	159.6604	159.6612	9.330283	9.20785
3199	M399T11_	1.710965	-0.77481	-1.3374	0.22955	0.863892	DOWN	399.1068	399.0965	399.1082	11.00241	10.93412
3200	M379T10_	1.371476	-0.45573	-1.30236	0.229595	0.863892	DOWN	378.7833	378.783	378.7834	9.909433	9.874067
3201	M451T10_	2.249787	1.169788	1.404204	0.229623	0.863892	UP	450.6325	450.6319	450.6331	9.771092	9.743767
3202	M274T10_	1.344803	0.427395	1.390085	0.229673	0.863892	UP	273.9675	273.963	273.9676	9.984083	9.8753
3203	M331T28_	1.259879	-0.33329	-1.31671	0.22969	0.863892	DOWN	331.2476	331.2476	331.2478	28.25933	28.23
3204	M714T9_2	1.182733	-0.24212	-1.30039	0.229694	0.863892	DOWN	714.1196	714.1189	714.1202	9.311883	9.129317
3205	M506T11	1.196602	-0.25894	-1.31722	0.229712	0.863892	DOWN	506.3878	506.3875	506.3882	10.90551	10.88747
3206	M726T10_	1.289337	-0.36663	-1.34517	0.229909	0.863893	DOWN	726.3128	726.3122	726.3134	9.8207	9.715683
3207	M345T9_6	1.682211	-0.75036	-1.33634	0.229976	0.863893	DOWN	344.855	344.8544	344.8576	8.878875	8.7875
3208	M259T11_	3.368735	1.752207	1.316731	0.230078	0.863893	UP	259.2193	259.2122	259.2247	10.90765	10.83572
3209	M495T9_6	2.299443	1.201285	1.403722	0.230163	0.863893	UP	494.7536	494.7513	494.7551	9.38595	9.23175
3210	M1060T10	1.313214	-0.3931	-1.40096	0.23017	0.863893	DOWN	1059.721	1059.72	1059.722	9.956417	9.843367
3211	M165T27	1.385105	-0.47	-1.37782	0.230215	0.863893	DOWN	165.0908	165.0907	165.0909	27.24867	27.22733
3212	M352T43_	1.153112	0.205532	1.360504	0.23028	0.863893	UP	352.1964	352.1964	352.1965	42.66833	42.38067
3213	M860T19	2.489375	-1.31578	-1.37268	0.230314	0.863893	DOWN	860.2674	860.2661	860.2683	18.73267	18.717
3214	M349T10_	1.187013	-0.24734	-1.40604	0.230362	0.863893	DOWN	349.2494	349.2492	349.2495	9.83535	9.715683
3215	M648T10_	1.237859	-0.30785	-1.33457	0.230442	0.863894	DOWN	648.0137	648.0134	648.0146	9.816267	9.699733
3216	M1673T10	1.369613	-0.45377	-1.2982	0.230495	0.863894	DOWN	1673.457	1673.453	1673.458	9.91765	9.811217
3217	M1217T10	1.309738	-0.38928	-1.32922	0.230497	0.863894	DOWN	1216.579	1216.576	1216.581	9.972483	9.859233
3218	M360T10_	2.082223	1.058125	1.380635	0.230534	0.863894	UP	359.8987	359.8983	359.9014	9.976317	9.843367
3219	M725T11	1.458148	-0.54414	-1.36797	0.230544	0.863894	DOWN	725.4267	725.4263	725.4272	11.22183	11.19848

3220	M213T26	4.690429	2.22972	1.40791	0.230546	0.863894	UP	213.127	213.1268	213.1275	26.3215	26.23867
3221	M323T10_	1.751035	0.808208	1.375102	0.230557	0.863894	UP	322.7707	322.7704	322.7708	9.975217	9.8753
3222	M508T9_2	1.384072	-0.46892	-1.35023	0.230559	0.863894	DOWN	508.2017	508.2013	508.2019	9.461008	9.370583
3223	M695T26	1.776039	-0.82866	-1.29792	0.230574	0.863894	DOWN	695.4833	695.482	695.4842	26.30458	26.27867
3224	M462T22	1.83277	-0.87403	-1.31409	0.230619	0.863894	DOWN	462.3572	462.3569	462.3574	22.00583	21.99
3225	M363T9_9	1.503896	-0.5887	-1.30102	0.230642	0.863894	DOWN	362.9712	362.971	362.9715	9.243367	9.20785
3226	M230T24	1.799511	0.847605	1.366356	0.230647	0.863894	UP	230.2475	230.2474	230.2476	24.03017	24.0245
3227	M472T9_1	3.770471	-1.91474	-1.36915	0.230669	0.863894	DOWN	472.3309	472.3296	472.3313	9.078567	8.98945
3228	M370T10_	1.301907	-0.38063	-1.34423	0.230866	0.863894	DOWN	369.9538	369.9535	369.9547	9.874067	9.79535
3229	M590T25	13.10313	-3.71184	-1.41039	0.230891	0.863894	DOWN	589.9043	589.9041	589.9046	25.0745	25.04117
3230	M234T10_	1.308939	-0.3884	-1.35971	0.231012	0.863894	DOWN	233.6065	233.6017	233.6112	9.901375	9.779267
3231	M731T21	1.239618	-0.3099	-1.31574	0.231082	0.863895	DOWN	730.5311	730.5308	730.5316	21.038	21.02533
3232	M505T10_	1.75222	0.809184	1.339537	0.231109	0.863895	UP	505.3309	505.3296	505.3314	9.967367	9.859233
3233	M327T10_	1.451943	0.537985	1.358033	0.231193	0.863895	UP	326.6803	326.6799	326.681	9.860817	9.73145
3234	M288T18_	1.543537	-0.62624	-1.29676	0.231222	0.863895	DOWN	288.1955	288.1953	288.1957	17.70308	17.675
3235	M667T9_2	1.433077	-0.51912	-1.29727	0.231241	0.863895	DOWN	667.4173	667.4164	667.4177	9.49445	9.40135
3236	M449T25	10.77501	-3.42962	-1.40914	0.231257	0.863895	DOWN	448.8106	448.8105	448.8108	24.55692	24.5365
3237	M980T9	1.982906	-0.98762	-1.33092	0.23133	0.863895	DOWN	979.6039	979.6028	979.6048	9.278717	9.1503
3238	M281T19	1.759246	0.814958	1.320026	0.231338	0.863895	UP	281.0947	281.0939	281.0949	19.31525	19.28883
3239	M369T10_	1.663414	-0.73415	-1.39983	0.231431	0.863895	DOWN	368.5621	368.5614	368.5623	9.8207	9.699733
3240	M201T11	1.204349	-0.26825	-1.32382	0.231434	0.863895	DOWN	201.1484	201.1484	201.1484	10.67585	10.5836
3241	M421T13	1.573449	0.653931	1.3693	0.231503	0.863895	UP	421.2774	421.2769	421.2775	13.45527	13.40485
3242	M640T9_3	1.305578	-0.38469	-1.30842	0.231594	0.863895	DOWN	640.3417	640.341	640.3422	9.498117	9.40135
3243	M374T30_	1.91961	0.940813	1.296628	0.23162	0.863895	UP	374.2379	374.2377	374.2381	30.07925	30.03617
3244	M465T11_	1.128085	-0.17388	-1.31401	0.231725	0.863896	DOWN	465.1205	465.1202	465.1206	10.90659	10.879
3245	M385T7_2	1.414274	-0.50006	-1.34291	0.231944	0.863896	DOWN	385.2732	385.2731	385.2735	6.997767	6.94005
3246	M376T41_	1.378223	-0.46281	-1.40668	0.232016	0.863896	DOWN	376.1964	376.1964	376.1966	41.316	41.28717
3247	M506T10_	1.21581	0.281918	1.36214	0.232103	0.863896	UP	506.3197	506.3195	506.3199	10.36758	10.31147
3248	M448T10_	1.512927	-0.59734	-1.3324	0.232108	0.863896	DOWN	448.408	448.4072	448.4081	9.960817	9.8753
3249	M1899T10	1.394483	-0.47973	-1.33387	0.232149	0.863896	DOWN	1898.852	1898.85	1898.854	9.818525	9.715683
3250	M216T10_	1.860166	-0.89543	-1.29626	0.232274	0.863896	DOWN	215.9241	215.9139	215.9246	9.90755	9.7124
3251	M568T25	17.15383	-4.10046	-1.4057	0.232317	0.863896	DOWN	567.8915	567.8909	567.8924	24.98383	24.94083
3252	M365T9_8	1.287761	-0.36486	-1.29808	0.23235	0.863896	DOWN	364.911	364.9107	364.9111	8.870558	8.75965
3253	M208T9_1	1.683261	-0.75126	-1.3074	0.232357	0.863896	DOWN	207.6559	207.6548	207.6563	9.224517	9.166033
3254	M685T12_	2.106648	1.074949	1.379719	0.232392	0.863897	UP	685.4862	685.4858	685.4868	11.51165	11.49042

3255	M325T10_	1.317965	0.398312	1.309188	0.23247	0.863897	UP	324.6864	324.6861	324.6866	9.823575	9.699733
3256	M225T43_	1.810514	0.8564	1.355949	0.232632	0.863897	UP	225.1118	225.1118	225.112	42.83375	42.63933
3257	M366T11_	1.270965	0.345925	1.321722	0.232678	0.863897	UP	365.5317	365.5316	365.5321	10.91487	10.87487
3258	M1213T10	1.633625	0.708077	1.29533	0.232699	0.863897	UP	1213.453	1213.451	1213.457	9.977042	9.859233
3259	M333T10_	1.254554	-0.32717	-1.33211	0.232831	0.863897	DOWN	332.9212	332.9209	332.9219	9.825492	9.715683
3260	M199T22_	1.490594	-0.57589	-1.35279	0.232959	0.863897	DOWN	199.169	199.1689	199.1691	22.48192	22.45183
3261	M593T10_	1.15225	-0.20445	-1.2956	0.233007	0.863897	DOWN	592.8026	592.802	592.8028	9.930908	9.827283
3262	M911T11	1.611734	-0.68861	-1.33125	0.233032	0.863897	DOWN	910.5441	910.544	910.5461	11.43992	11.40895
3263	M273T44_	1.170102	-0.22663	-1.29055	0.23305	0.863898	DOWN	273.1693	273.1691	273.1695	44.164	43.90517
3264	M537T25	10.29521	-3.3639	-1.40091	0.233075	0.863898	DOWN	536.8629	536.8623	536.8636	24.91308	24.869
3265	M1666T10	1.536429	-0.61958	-1.30921	0.233121	0.863898	DOWN	1666.236	1666.234	1666.236	9.842	9.696683
3266	M696T10_	1.161392	-0.21586	-1.293	0.233124	0.863898	DOWN	695.5351	695.5346	695.5353	10.12955	10.02042
3267	M450T38	1.152484	-0.20475	-1.36576	0.233143	0.863898	DOWN	450.233	450.2328	450.2334	38.11492	37.84933
3268	M336T9_7	1.283908	-0.36054	-1.33818	0.233176	0.863898	DOWN	336.2279	336.2278	336.2281	9.328967	9.129317
3269	M224T8_2	1.1445	0.194717	1.31654	0.233228	0.863898	UP	224.1619	224.1618	224.162	7.816575	7.781733
3270	M350T42_	1.339581	0.421782	1.376302	0.233266	0.863898	UP	350.2171	350.2169	350.2174	42.15067	42.1065
3271	M546T21	1.167468	-0.22338	-1.3147	0.233272	0.863898	DOWN	546.4623	546.462	546.4628	21.21367	21.19383
3272	M403T40	1.167948	-0.22398	-1.30516	0.233302	0.863898	DOWN	403.2324	403.2322	403.2325	39.98533	39.71917
3273	M681T10_	1.663556	0.734271	1.289226	0.233353	0.863898	UP	680.6889	680.6851	680.694	9.848417	9.788267
3274	M573T10_	1.567498	-0.64846	-1.29834	0.233376	0.863898	DOWN	573.0398	573.0396	573.04	9.886258	9.806367
3275	M266T10_	1.194845	0.256823	1.3218	0.233385	0.863898	UP	265.7906	265.7903	265.7909	9.960892	9.8753
3276	M432T21_	2.549702	1.350329	1.345637	0.233397	0.863898	UP	432.1564	432.1556	432.1571	21.42117	21.3995
3277	M480T25	12.92529	-3.69213	-1.40083	0.23341	0.863898	DOWN	479.8386	479.8383	479.8389	24.68067	24.65217
3278	M501T25	6.741522	-2.75307	-1.40015	0.233437	0.863898	DOWN	501.3501	501.3497	501.351	24.76833	24.73917
3279	M244T22_	1.203975	-0.26781	-1.31695	0.233596	0.863898	DOWN	244.2633	244.2631	244.2633	22.30833	22.2825
3280	M292T9_3	1.272249	-0.34738	-1.31704	0.23364	0.863898	DOWN	292.4431	292.4427	292.4432	8.993242	8.89395
3281	M224T10_	1.30978	-0.38932	-1.32368	0.233648	0.863898	DOWN	224.3809	224.3806	224.3816	9.823225	9.715683
3282	M623T9_4	1.612724	-0.6895	-1.33831	0.233782	0.863899	DOWN	623.2007	623.2	623.2015	9.313325	9.234417
3283	M350T42_	1.927703	-0.94688	-1.3671	0.233825	0.863899	DOWN	350.2171	350.2169	350.2172	41.65408	41.3015
3284	M616T10_	1.42428	-0.51023	-1.28815	0.233826	0.863899	DOWN	615.8822	615.8812	615.8839	9.960717	9.843367
3285	M173T10_	1.046995	-0.06626	-1.33737	0.233845	0.863899	DOWN	172.8503	172.8502	172.8504	9.830283	9.715683
3286	M1768T10	1.283875	-0.3605	-1.28816	0.233928	0.863899	DOWN	1768.323	1768.317	1768.326	9.816167	9.683817
3287	M419T11_	1.450348	0.536399	1.292791	0.233975	0.863899	UP	419.1649	419.1572	419.1654	10.93208	10.8926
3288	M537T9	2.303807	-1.20402	-1.37946	0.234166	0.863899	DOWN	537.2948	537.2943	537.295	9.36135	9.1011
3289	M323T9_1	1.194277	-0.25614	-1.29028	0.234189	0.863899	DOWN	322.5167	322.5165	322.5173	9.25395	9.129317

3290	M564T43_	1.140983	-0.19028	-1.35455	0.234192	0.863899	DOWN	564.3012	564.3011	564.3013	42.79767	42.59633
3291	M287T9_3	1.400253	-0.48569	-1.3535	0.23423	0.863899	DOWN	287.3544	287.3542	287.3547	8.863725	8.7875
3292	M1701T10	1.200629	-0.26379	-1.29062	0.234232	0.863899	DOWN	1701.382	1701.379	1701.385	9.830283	9.715683
3293	M453T9_1	2.798308	-1.48456	-1.28875	0.234406	0.8639	DOWN	453.44	453.4354	453.446	9.130683	9.018167
3294	M519T10_	1.589092	0.668203	1.303139	0.234497	0.8639	UP	518.737	518.7357	518.7376	9.994767	9.8753
3295	M274T9_5	1.998096	-0.99863	-1.32851	0.234601	0.8639	DOWN	274.1052	274.105	274.1068	9.395775	9.297883
3296	M455T10_	2.053049	1.037768	1.357811	0.23463	0.8639	UP	454.9463	454.9457	454.9471	9.963917	9.8753
3297	M453T9_1	1.839458	0.87928	1.298544	0.234663	0.8639	UP	453.2049	453.2009	453.2118	9.221317	8.952283
3298	M546T25_	13.07965	-3.70925	-1.3964	0.234674	0.8639	DOWN	545.8778	545.8777	545.8783	24.91217	24.89767
3299	M361T10_	3.115726	1.639568	1.373603	0.234677	0.8639	UP	360.9839	360.9838	360.9855	9.88865	9.79535
3300	M523T25	11.45969	-3.5185	-1.39629	0.234679	0.8639	DOWN	523.3631	523.3624	523.3638	24.8415	24.81183
3301	M538T26	1.291491	-0.36904	-1.29538	0.234749	0.8639	DOWN	538.4305	538.4297	538.4309	26.43533	26.4335
3302	M608T27	1.46813	0.55398	1.285101	0.234768	0.8639	UP	608.3759	608.3757	608.3764	27.038	26.999
3303	M696T9_3	1.240877	-0.31136	-1.31235	0.234872	0.8639	DOWN	696.0333	696.032	696.0339	9.398375	9.30965
3304	M460T44_	1.369399	-0.45354	-1.29604	0.234906	0.8639	DOWN	460.2539	460.2536	460.2541	44.0715	43.91983
3305	M1074T10	1.17519	-0.23289	-1.3769	0.234967	0.8639	DOWN	1074.234	1074.234	1074.234	9.848833	9.73145
3306	M1603T10	1.280265	-0.35644	-1.30129	0.234999	0.8639	DOWN	1602.718	1602.717	1602.721	9.970617	9.8753
3307	M211T10_	1.138691	-0.18738	-1.32374	0.235052	0.8639	DOWN	210.8537	210.8536	210.8538	9.816183	9.699733
3308	M534T43_	1.248999	0.320772	1.34533	0.235058	0.8639	UP	534.3269	534.3267	534.327	42.61083	42.49567
3309	M292T11_	1.515055	-0.59937	-1.29535	0.235065	0.8639	DOWN	292.3581	292.3579	292.3583	10.92025	10.87765
3310	M581T9_3	1.36233	-0.44608	-1.28389	0.235121	0.863901	DOWN	581.3168	581.3138	581.3181	9.191133	9.129317
3311	M436T24	10.12481	-3.33982	-1.39419	0.235125	0.863901	DOWN	435.8125	435.812	435.8129	24.45017	24.43383
3312	M1952T10	1.245986	-0.31729	-1.36119	0.235229	0.863901	DOWN	1951.708	1951.706	1951.709	9.825492	9.715683
3313	M175T10_	1.44705	-0.53311	-1.28511	0.235261	0.863901	DOWN	175.2993	175.299	175.2996	9.900133	9.811217
3314	M380T9_4	1.369904	-0.45407	-1.28507	0.235268	0.863901	DOWN	379.8899	379.8886	379.8924	9.286083	9.129317
3315	M335T9_5	1.387269	-0.47225	-1.29351	0.235284	0.863901	DOWN	334.7568	334.7565	334.7661	9.332617	9.24215
3316	M412T9_1	1.332721	-0.41437	-1.28354	0.235309	0.863901	DOWN	411.9181	411.9166	411.9196	9.272133	9.129317
3317	M695T9_3	2.284888	-1.19212	-1.32175	0.235327	0.863901	DOWN	695.3489	695.3482	695.3501	8.696033	8.629617
3318	M1052T11	1.338074	0.420158	1.338301	0.235368	0.863901	UP	1051.677	1051.677	1051.678	10.93097	10.90785
3319	M428T10_	1.203157	0.266825	1.288395	0.235437	0.863901	UP	428.1856	428.1853	428.1857	9.968092	9.8753
3320	M335T10_	1.49585	-0.58097	-1.28434	0.23545	0.863901	DOWN	334.7864	334.7862	334.7864	9.844358	9.699733
3321	M489T10_	1.458345	0.544332	1.336509	0.2355	0.863901	UP	489.1794	489.179	489.1796	9.80415	9.681183
3322	M199T31	2.102233	-1.07192	-1.28668	0.235555	0.863901	DOWN	199.0727	199.0725	199.073	31.12917	31.0905
3323	M706T9_2	1.421602	-0.50752	-1.30739	0.23556	0.863901	DOWN	706.2667	706.2665	706.2671	9.3332	9.234417
3324	M916T10_	1.353523	0.43672	1.297991	0.235594	0.863901	UP	915.8918	915.8911	915.8926	9.98345	9.8914

3325	M386T10_	1.8094	0.855512	1.346574	0.23572	0.863901	UP	386.1251	386.1247	386.1256	9.970617	9.8753
3326	M257T7_1	1.527803	-0.61146	-1.282	0.235743	0.863901	DOWN	256.8497	256.8496	256.8499	7.010975	6.779983
3327	M216T10_	14.4719	3.855183	1.393659	0.23585	0.863902	UP	216.1593	216.1592	216.1595	10.49775	10.45607
3328	M663T10_	1.612638	-0.68942	-1.32479	0.235876	0.863902	DOWN	662.9509	662.9504	662.9516	9.821317	9.728083
3329	M538T10_	1.207664	-0.27222	-1.29529	0.235908	0.863902	DOWN	538.2953	538.2946	538.2961	9.917208	9.811217
3330	M457T25	4.63766	-2.2134	-1.39107	0.235937	0.863902	DOWN	457.3237	457.3234	457.3238	24.56583	24.53583
3331	M402T11_	1.13003	-0.17636	-1.30118	0.235969	0.863902	DOWN	402.2666	402.2664	402.2671	10.90659	10.89355
3332	M167T10_	2.146369	1.101898	1.366124	0.235978	0.863902	UP	166.544	166.5439	166.5441	9.956867	9.859233
3333	M600T10_	1.194177	-0.25602	-1.30035	0.236003	0.863902	DOWN	599.6641	599.6638	599.6652	9.918792	9.79535
3334	M340T10_	1.123074	-0.16745	-1.33225	0.236064	0.863902	DOWN	340.2596	340.2594	340.2598	9.886258	9.779267
3335	M1423T10	1.171447	-0.22829	-1.3006	0.236066	0.863902	DOWN	1422.553	1422.551	1422.557	9.935675	9.827283
3336	M341T11_	1.697927	-0.76377	-1.3005	0.236073	0.863902	DOWN	340.9828	340.9826	340.9833	10.86994	10.84487
3337	M198T10_	6.03569	2.593519	1.392204	0.236227	0.863902	UP	198.1488	198.1487	198.1489	10.49775	10.45607
3338	M749T14	1.212309	-0.27776	-1.2813	0.236248	0.863902	DOWN	748.5776	748.5773	748.578	13.69728	13.67912
3339	M999T10_	1.62654	-0.70181	-1.28101	0.23626	0.863902	DOWN	998.7776	998.7766	998.7781	9.74925	9.746783
3340	M441T10_	1.209488	0.274396	1.286802	0.236462	0.863903	UP	440.871	440.8708	440.8716	9.772883	9.681183
3341	M524T9_9	1.364265	-0.44812	-1.28233	0.236463	0.863903	DOWN	524.4544	524.4535	524.4554	9.18975	9.129317
3342	M324T10_	1.800846	0.848675	1.280201	0.236537	0.863903	UP	323.8483	323.8481	323.8484	9.981067	9.8753
3343	M694T9_3	1.46929	-0.55512	-1.28085	0.236598	0.863903	DOWN	694.1319	694.1299	694.1323	9.377342	9.324917
3344	M379T9_3	1.254796	-0.32745	-1.29909	0.236613	0.863903	DOWN	378.9129	378.9126	378.9134	8.872733	8.803967
3345	M231T10_	1.34951	0.432435	1.36598	0.236654	0.863903	UP	230.8054	230.8052	230.8055	9.9847	9.8914
3346	M1189T10	1.426835	-0.51282	-1.29013	0.236708	0.863903	DOWN	1189.129	1189.129	1189.13	9.910333	9.811217
3347	M611T11_	2.020577	-1.01477	-1.38103	0.236775	0.863903	DOWN	611.0543	611.0539	611.0544	11.43953	11.41772
3348	M612T25	12.10027	-3.59697	-1.38841	0.236786	0.863903	DOWN	611.9175	611.9172	611.9176	25.127	25.117
3349	M746T10_	1.273902	-0.34925	-1.28493	0.237055	0.863903	DOWN	746.4224	746.422	746.4227	9.562292	9.46325
3350	M500T11_	3.308996	1.726394	1.37907	0.237156	0.863904	UP	500.3478	500.3473	500.3485	10.64595	10.58208
3351	M454T9_7	1.585989	-0.66538	-1.27804	0.237215	0.863904	DOWN	453.6999	453.6967	453.7044	9.300858	9.190317
3352	M238T10_	1.365859	-0.44981	-1.38161	0.237241	0.863904	DOWN	238.4315	238.4314	238.4316	9.902617	9.8378
3353	M195T9_9	1.468215	-0.55406	-1.28148	0.237339	0.863904	DOWN	194.8781	194.8776	194.8784	9.279417	9.16125
3354	M207T9_1	1.617256	-0.69355	-1.28073	0.237407	0.863904	DOWN	206.9901	206.9896	206.9906	9.280092	9.132267
3355	M887T10_	1.785699	-0.83649	-1.33971	0.237446	0.863904	DOWN	887.3427	887.3411	887.343	9.605975	9.510117
3356	M502T25_	13.03388	-3.70419	-1.38613	0.237472	0.863904	DOWN	501.8518	501.8513	501.8523	24.75383	24.73817
3357	M658T10_	1.2877	-0.3648	-1.34389	0.237492	0.863904	DOWN	657.9825	657.9821	657.9828	9.8207	9.715683
3358	M423T25_	1.618241	-0.69443	-1.30326	0.237513	0.863904	DOWN	423.0457	423.0441	423.0461	24.7975	24.72367
3359	M290T24_	1.122373	-0.16655	-1.28119	0.237643	0.863904	DOWN	290.2959	290.2958	290.296	24.07208	24.059



3360	M185T19_	1.302225	-0.38098	-1.31393	0.237794	0.863904	DOWN	185.1322	185.1322	185.1324	19.41667	19.4015
3361	M390T10_	1.473966	0.559704	1.345309	0.237811	0.863904	UP	390.2563	390.2559	390.257	9.94455	9.8378
3362	M289T23_	1.461767	-0.54771	-1.27595	0.237842	0.863905	DOWN	288.5559	288.5527	288.5653	22.8715	22.828
3363	M481T9_9	1.779929	0.83182	1.354888	0.237908	0.863905	UP	481.4996	481.498	481.4998	9.129317	9.09495
3364	M398T40_	1.067549	-0.0943	-1.2807	0.237923	0.863905	DOWN	398.2382	398.2381	398.2383	40.42417	40.06433
3365	M1055T10_	1.473299	-0.55905	-1.36263	0.238071	0.863905	DOWN	1054.608	1054.607	1054.61	10.05593	9.955733
3366	M243T41	1.351994	-0.43509	-1.32142	0.238088	0.863905	DOWN	243.1224	243.1223	243.1225	41.23417	41.158
3367	M719T10_	1.925967	0.945583	1.370908	0.2381	0.863905	UP	719.4761	719.4747	719.4771	9.803133	9.699733
3368	M546T39_	1.263291	0.337187	1.354274	0.238127	0.863905	UP	546.3269	546.3267	546.3273	39.22625	39.04283
3369	M395T10_	1.227303	-0.29549	-1.31276	0.238179	0.863905	DOWN	395.3136	395.3133	395.3137	9.90295	9.79535
3370	M1038T25	12.0439	-3.59023	-1.3842	0.238242	0.863905	DOWN	1037.625	1037.623	1037.627	24.667	24.6525
3371	M379T10_	2.027689	-1.01984	-1.31159	0.238286	0.863905	DOWN	379.3741	379.374	379.3743	9.916617	9.806367
3372	M226T10_	2.151668	1.105455	1.373452	0.238384	0.863905	UP	226.167	226.1605	226.1674	9.9677	9.811217
3373	M680T10_	1.621943	-0.69772	-1.27853	0.23852	0.863905	DOWN	680.0709	680.0674	680.0762	9.830333	9.699733
3374	M564T37_	1.645823	-0.71881	-1.37529	0.238603	0.863906	DOWN	564.3011	564.3009	564.3016	36.84283	36.684
3375	M442T10_	1.778445	0.830616	1.308837	0.238668	0.863906	UP	442.3091	442.3088	442.3094	9.802117	9.683817
3376	M679T10_	1.732529	-0.79288	-1.27329	0.238668	0.863906	DOWN	679.1451	679.1446	679.1506	9.852542	9.699733
3377	M880T22_	1.207135	-0.27159	-1.27696	0.238705	0.863906	DOWN	879.6084	879.6083	879.6092	22.34258	22.32417
3378	M524T25_	13.41325	-3.74559	-1.38205	0.238717	0.863906	DOWN	523.8651	523.8645	523.8656	24.84058	24.82583
3379	M229T9_7	1.35401	-0.43724	-1.29146	0.238875	0.863906	DOWN	228.934	228.9334	228.935	9.265117	9.132267
3380	M1971T10_	1.251432	-0.32358	-1.28818	0.238945	0.863906	DOWN	1971.126	1971.125	1971.137	9.842	9.715683
3381	M574T9_1	1.789678	0.8397	1.272378	0.239003	0.863906	UP	573.7022	573.7017	573.7023	8.969125	8.931783
3382	M382T16_	1.154023	-0.20667	-1.27211	0.239064	0.863906	DOWN	381.7704	381.7703	381.7706	16.25613	16.2422
3383	M699T10_	1.207213	-0.27168	-1.30908	0.239104	0.863906	DOWN	699.3484	699.348	699.3506	9.825767	9.715683
3384	M743T9	1.292391	-0.37004	-1.29028	0.23912	0.863906	DOWN	742.8904	742.8901	742.8908	9.317	9.234417
3385	M636T10_	1.36108	-0.44475	-1.32085	0.239232	0.863907	DOWN	636.1803	636.1798	636.1806	9.8207	9.7124
3386	M560T10_	2.386059	1.25463	1.375061	0.239235	0.863907	UP	560.489	560.4884	560.4898	9.979667	9.8753
3387	M401T14	9.268701	3.212367	1.380757	0.239476	0.863907	UP	401.1592	401.1584	401.1593	14.45845	14.42792
3388	M564T45_	1.408438	0.494096	1.329376	0.239502	0.863907	UP	564.3376	564.3372	564.3378	44.7535	44.49483
3389	M408T10_	1.227637	-0.29588	-1.27796	0.239534	0.863907	DOWN	408.0096	408.0091	408.0097	9.95385	9.853533
3390	M312T10_	1.304161	-0.38312	-1.27962	0.239684	0.863907	DOWN	311.9537	311.9536	311.954	9.964333	9.859233
3391	M305T29	1.75529	-0.81171	-1.32856	0.239684	0.863907	DOWN	305.3028	305.3027	305.303	29.16792	29.14933
3392	M169T10_	2.302921	1.203465	1.342829	0.239709	0.863907	UP	168.8403	168.8403	168.8405	9.984083	9.8914
3393	M333T10_	1.341672	0.424032	1.29326	0.239713	0.863907	UP	333.3735	333.3732	333.3737	9.973517	9.859233
3394	M1052T10	1.156551	-0.20983	-1.28138	0.239823	0.863907	DOWN	1052.195	1052.194	1052.198	9.841442	9.73145

3395	M455T10_	1.555233	0.637131	1.281032	0.239829	0.863907	UP	454.5133	454.5128	454.5134	9.970617	9.859233
3396	M1105T10	1.319004	-0.39945	-1.30234	0.239832	0.863907	DOWN	1104.706	1104.705	1104.706	9.950258	9.859233
3397	M706T10_	1.286181	-0.36309	-1.32768	0.239845	0.863907	DOWN	705.6624	705.6607	705.6629	9.825767	9.715683
3398	M518T10_	1.367842	-0.4519	-1.28081	0.239895	0.863907	DOWN	518.3289	518.3285	518.3295	10.45045	10.40882
3399	M229T10_	1.437099	-0.52316	-1.3178	0.239901	0.863907	DOWN	228.7562	228.756	228.7563	9.900133	9.779267
3400	M400T10_	1.655444	-0.72722	-1.27845	0.240067	0.863908	DOWN	400.1613	400.161	400.1617	9.955875	9.886083
3401	M515T10_	1.418139	-0.504	-1.30662	0.240262	0.863908	DOWN	514.9715	514.9709	514.9725	10.13473	10.10718
3402	M301T11_	1.208443	-0.27315	-1.35275	0.24029	0.863908	DOWN	301.1043	301.1042	301.1048	10.75907	10.73262
3403	M731T23	1.253234	-0.32566	-1.29075	0.240314	0.863908	DOWN	730.531	730.5307	730.5317	22.61367	22.611
3404	M349T9_2	1.434573	-0.52062	-1.26836	0.240343	0.863908	DOWN	348.5881	348.5879	348.5883	9.314442	9.234417
3405	M478T9_8	1.426736	-0.51272	-1.30508	0.240349	0.863908	DOWN	478.4889	478.485	478.4928	9.347458	9.129317
3406	M732T4	1.522213	0.60617	1.274829	0.240424	0.863908	UP	732.4708	732.4703	732.4709	3.528417	3.495283
3407	M368T21_	1.654572	0.726458	1.312156	0.240468	0.863908	UP	367.8091	367.8086	367.8097	20.77958	20.7385
3408	M857T10_	1.254759	0.32741	1.269122	0.240472	0.863908	UP	857.4504	857.4499	857.4509	9.816258	9.699733
3409	M319T10_	2.416478	1.272906	1.37643	0.240481	0.863908	UP	319.2156	319.2152	319.216	9.818433	9.715683
3410	M432T12	1.276724	-0.35245	-1.27993	0.240525	0.863908	DOWN	432.2911	432.2909	432.2916	11.9916	11.96045
3411	M308T11	1.209555	-0.27448	-1.32121	0.240565	0.863908	DOWN	307.557	307.5567	307.558	10.9307	10.8926
3412	M477T20	1.625585	-0.70096	-1.30499	0.240587	0.863908	DOWN	477.2629	477.2626	477.2633	20.245	20.21583
3413	M218T11_	1.243664	-0.3146	-1.27184	0.240597	0.863908	DOWN	217.8602	217.8599	217.8604	10.90553	10.87708
3414	M537T10_	3.5557	-1.83013	-1.31686	0.240696	0.863909	DOWN	537.2507	537.2494	537.2517	9.609425	9.447617
3415	M1933T10	1.751853	0.808882	1.344267	0.240739	0.863909	UP	1933.142	1933.141	1933.144	9.886433	9.743767
3416	M536T44_	1.480213	-0.5658	-1.27967	0.240752	0.863909	DOWN	536.3062	536.306	536.3063	44.06333	43.83333
3417	M280T27	215.4504	7.751212	1.376123	0.240801	0.863909	UP	280.2633	280.2631	280.2636	27.29	27.27117
3418	M419T9_6	1.567892	-0.64883	-1.30228	0.240848	0.863909	DOWN	418.8827	418.881	418.883	9.264333	9.126783
3419	M1125T10	1.239705	-0.31	-1.29906	0.241086	0.863909	DOWN	1125.338	1125.338	1125.342	9.839575	9.73145
3420	M273T9_3	2.255371	1.173365	1.357353	0.241205	0.863909	UP	272.731	272.7309	272.7312	9.429367	9.288883
3421	M534T10_	1.802824	-0.85026	-1.27019	0.24124	0.863909	DOWN	533.8187	533.8169	533.8191	9.6055	9.582167
3422	M683T10_	1.437761	0.523824	1.314866	0.24126	0.863909	UP	683.3506	683.3493	683.3509	9.894417	9.806367
3423	M1378T10	1.396969	-0.4823	-1.35387	0.241318	0.863909	DOWN	1378.496	1378.495	1378.498	9.840617	9.728083
3424	M391T10_	1.361608	-0.44531	-1.28661	0.241412	0.86391	DOWN	390.6114	390.6112	390.6115	9.508883	9.40135
3425	M681T10_	1.365283	0.4492	1.272298	0.241603	0.86391	UP	680.9723	680.9702	680.9804	9.860817	9.743667
3426	M204T10_	1.20781	-0.27239	-1.31243	0.241738	0.86391	DOWN	204.4194	204.4193	204.4196	9.85045	9.73145
3427	M1126T25	11.84879	-3.56667	-1.37064	0.241746	0.86391	DOWN	1125.678	1125.677	1125.68	24.82667	24.81133
3428	M541T9_7	1.341527	-0.42388	-1.26626	0.241795	0.86391	DOWN	541.2608	541.2597	541.2622	9.155008	9.07945
3429	M299T10_	1.607392	0.684722	1.351581	0.241801	0.86391	UP	299.0599	299.0598	299.0601	9.979667	9.8753

3430	M204T10_	1.211206	-0.27644	-1.31383	0.241801	0.86391	DOWN	204.1865	204.1863	204.1866	9.847133	9.73145
3431	M282T29	1.564516	0.645716	1.335668	0.241833	0.86391	UP	282.2789	282.2786	282.279	28.65067	28.6345
3432	M219T9_7	1.311025	-0.3907	-1.27453	0.241896	0.86391	DOWN	218.9156	218.9146	218.9158	9.41815	9.279417
3433	M222T28	1.253499	-0.32596	-1.2768	0.241997	0.86391	DOWN	222.1203	222.1201	222.1204	27.95175	27.93817
3434	M655T12	1.518661	-0.6028	-1.34246	0.242085	0.86391	DOWN	655.4146	655.4129	655.415	11.8009	11.77773
3435	M816T10_	1.255521	-0.32829	-1.26499	0.242105	0.863911	DOWN	815.8414	815.8407	815.8417	9.626517	9.52515
3436	M188T9_8	3.458966	1.790341	1.33132	0.242177	0.863911	UP	187.9778	187.9772	187.9788	9.390192	9.0511
3437	M497T9_1	1.353844	0.437062	1.262923	0.242218	0.863911	UP	497.2346	497.2337	497.2363	9.100433	8.796533
3438	M636T10_	1.330928	-0.41243	-1.26284	0.242273	0.863911	DOWN	636.3992	636.3984	636.4001	10.10937	10.00428
3439	M227T7_2	1.699824	-0.76539	-1.30891	0.242406	0.863911	DOWN	227.1751	227.175	227.1754	6.969117	6.94045
3440	M524T37	1.181843	0.241038	1.26284	0.242419	0.863911	UP	524.3061	524.3059	524.3063	36.71275	36.46817
3441	M545T11_	1.335534	-0.41742	-1.26566	0.24242	0.863911	DOWN	545.3595	545.3591	545.3597	10.93208	10.90785
3442	M349T10_	1.184779	0.244619	1.312771	0.242453	0.863911	UP	349.0632	349.063	349.0637	9.825492	9.715683
3443	M706T10_	2.271171	1.183436	1.358792	0.242484	0.863911	UP	706.0991	706.0984	706.1004	9.811867	9.699733
3444	M355T40_	1.481429	-0.56699	-1.29346	0.242489	0.863911	DOWN	355.2113	355.2112	355.2114	40.35217	40.22283
3445	M420T13	1.602714	0.680517	1.27299	0.242493	0.863911	UP	420.274	420.2736	420.2742	13.44869	13.41952
3446	M479T25	5.111192	-2.35366	-1.36872	0.242611	0.863911	DOWN	479.3369	479.3368	479.337	24.67417	24.65217
3447	M334T10_	2.547035	-1.34882	-1.36375	0.242619	0.863911	DOWN	333.7649	333.7645	333.7687	9.8887	9.747533
3448	M189T9_1	2.405737	-1.26648	-1.28567	0.242634	0.863911	DOWN	188.6507	188.6502	188.6511	9.2033	9.1175
3449	M229T9_4	1.744795	-0.80306	-1.26613	0.242653	0.863911	DOWN	228.6004	228.598	228.6009	9.311883	9.219483
3450	M1426T10_	2.162822	-1.11291	-1.30625	0.242683	0.863911	DOWN	1425.581	1425.58	1425.582	9.851617	9.7634
3451	M322T9_5	1.878985	-0.90995	-1.33186	0.242724	0.863911	DOWN	322.213	322.2116	322.2143	8.882425	8.8486
3452	M400T10_	1.811875	0.857483	1.343987	0.242733	0.863911	UP	399.8959	399.8953	399.896	9.934533	9.903017
3453	M912T10_	1.393124	-0.47832	-1.26334	0.242759	0.863911	DOWN	911.9993	911.9982	912.0004	9.951442	9.869467
3454	M602T9_2	1.340321	-0.42258	-1.26105	0.242852	0.863912	DOWN	601.7383	601.7365	601.7392	9.237883	9.146383
3455	M520T40_	1.320758	-0.40137	-1.34963	0.242889	0.863912	DOWN	520.2749	520.2746	520.2752	39.8055	39.58967
3456	M397T25	1.604254	0.681903	1.358876	0.243085	0.863912	UP	397.2007	397.2003	397.2009	24.59467	24.56517
3457	M357T43_	1.09651	0.132919	1.267295	0.243134	0.863912	UP	357.1906	357.1906	357.1907	43.04942	42.98483
3458	M994T10_	1.458649	-0.54463	-1.2602	0.243134	0.863912	DOWN	993.7376	993.736	993.7394	9.95165	9.731817
3459	M1866T10	1.440645	-0.52672	-1.26456	0.243155	0.863912	DOWN	1866.328	1866.325	1866.328	9.810158	9.699733
3460	M799T32	1.317123	-0.39739	-1.26458	0.243157	0.863912	DOWN	798.5154	798.5151	798.5155	32.25067	32.243
3461	M464T41_	1.318365	-0.39875	-1.36138	0.243317	0.863912	DOWN	464.2848	464.2847	464.285	40.82717	40.7695
3462	M266T11_	1.684874	-0.75264	-1.26889	0.243336	0.863912	DOWN	265.5435	265.5432	265.5537	10.877	10.84767
3463	M289T10_	1.232656	-0.30177	-1.32537	0.243371	0.863912	DOWN	289.3498	289.3497	289.3499	9.968992	9.859233
3464	M598T10_	1.773719	0.826778	1.321717	0.243372	0.863912	UP	597.9613	597.9576	597.9618	9.979342	9.840617

3465	M676T11_	1.257531	-0.33059	-1.25913	0.243519	0.863912	DOWN	675.8681	675.8671	675.8685	10.8926	10.879
3466	M570T12	1.72163	0.783775	1.337842	0.24356	0.863913	UP	570.4095	570.4083	570.4098	11.70072	11.67675
3467	M200T10_	1.313188	-0.39307	-1.32845	0.243617	0.863913	DOWN	199.9895	199.9894	199.997	9.830458	9.715683
3468	M357T10_	1.523154	-0.60706	-1.27417	0.243645	0.863913	DOWN	357.0479	357.0448	357.0528	9.8881	9.715683
3469	M326T36	1.173966	0.23139	1.27738	0.243658	0.863913	UP	326.3779	326.3777	326.378	35.96292	35.93467
3470	M355T38	1.42877	-0.51477	-1.26219	0.243841	0.863913	DOWN	355.2113	355.2112	355.2116	38.37392	38.07933
3471	M600T10_	1.565265	0.646407	1.26042	0.243921	0.863913	UP	600.4061	600.4049	600.4069	9.758283	9.729367
3472	M479T11_	1.457956	0.543947	1.334308	0.243957	0.863913	UP	478.601	478.6005	478.6014	10.87572	10.8214
3473	M360T17_	7.539452	2.91446	1.363902	0.244062	0.863913	UP	360.2142	360.2138	360.2152	16.6795	16.65025
3474	M1468T9	1.545306	-0.62789	-1.25994	0.244139	0.863913	DOWN	1467.823	1467.818	1467.827	9.34595	9.146383
3475	M380T10_	1.187797	-0.24829	-1.29687	0.244315	0.863914	DOWN	379.9818	379.9813	379.9825	9.92625	9.8378
3476	M212T10_	1.488512	-0.57387	-1.28669	0.244332	0.863914	DOWN	212.4301	212.4299	212.4302	9.863283	9.779267
3477	M460T26_	1.688568	0.7558	1.320113	0.244448	0.863914	UP	460.2746	460.2743	460.275	25.93683	25.8415
3478	M351T7	2.309834	-1.20779	-1.30074	0.244462	0.863914	DOWN	351.2428	351.2427	351.2431	7.327417	7.1397
3479	M377T10_	1.431488	-0.51752	-1.282	0.244501	0.863914	DOWN	377.3472	377.346	377.3476	9.894875	9.779267
3480	M621T10_	1.252462	-0.32477	-1.25664	0.244507	0.863914	DOWN	621.2732	621.273	621.2738	10.24579	10.18238
3481	M365T10_	6.171113	2.625531	1.36247	0.244553	0.863914	UP	364.6314	364.6307	364.633	9.687108	9.547133
3482	M819T10_	1.242797	-0.31359	-1.28118	0.244582	0.863914	DOWN	819.092	819.0908	819.0929	9.917167	9.811217
3483	M686T9_1	1.47423	-0.55996	-1.29166	0.244653	0.863914	DOWN	686.0371	686.0342	686.0383	9.168108	9.12675
3484	M491T10_	1.340894	-0.42319	-1.30385	0.244673	0.863914	DOWN	490.6298	490.6296	490.6302	10.33683	10.26607
3485	M769T10_	1.28871	-0.36593	-1.26616	0.244731	0.863914	DOWN	768.9797	768.9792	768.9801	10.45967	10.40807
3486	M448T11_	1.646732	-0.71961	-1.26125	0.244767	0.863914	DOWN	448.1319	448.1318	448.1327	10.87765	10.8214
3487	M341T10_	2.003815	-1.00275	-1.27261	0.24478	0.863914	DOWN	340.7293	340.7265	340.7358	9.960817	9.728083
3488	M335T11_	5.94199	2.570946	1.361291	0.244797	0.863914	UP	335.2307	335.2302	335.2309	11.23103	11.18537
3489	M404T10_	1.212621	-0.27813	-1.35341	0.244827	0.863914	DOWN	403.9354	403.935	403.9354	9.975142	9.859233
3490	M339T11_	1.588312	0.667494	1.262613	0.244836	0.863914	UP	338.7572	338.757	338.7577	10.89131	10.8646
3491	M288T10_	1.586606	-0.66594	-1.27541	0.24494	0.863914	DOWN	287.6378	287.6371	287.638	9.940167	9.886083
3492	M209T9_3	1.223918	-0.29151	-1.25482	0.244995	0.863914	DOWN	208.851	208.8509	208.8511	9.297417	9.1445
3493	M420T38	1.290447	-0.36787	-1.3391	0.245029	0.863915	DOWN	420.2228	420.2223	420.2229	38.22283	37.8345
3494	M357T10_	1.197254	-0.25973	-1.35074	0.245037	0.863915	DOWN	357.294	357.2937	357.2942	9.823575	9.715683
3495	M437T9_6	1.33425	-0.41603	-1.25732	0.245072	0.863915	DOWN	437.2221	437.2215	437.2224	9.285867	9.1445
3496	M266T16_	7.775232	2.958886	1.357696	0.245183	0.863915	UP	266.211	266.2106	266.2113	16.26198	16.19848
3497	M760T19	13.37183	-3.74113	-1.35986	0.245362	0.863915	DOWN	760.3894	760.3884	760.39	19.0895	19.07033
3498	M296T10_	1.30384	-0.38277	-1.31872	0.245389	0.863915	DOWN	295.7842	295.7841	295.7845	9.902617	9.79535
3499	M157T9_3	1.40618	-0.49178	-1.32001	0.245422	0.863915	DOWN	157.0458	157.0452	157.0463	9.317	9.219483

3500	M326T10_	1.823009	0.866322	1.321892	0.245499	0.863915	UP	325.5443	325.5438	325.5453	9.830833	9.715683
3501	M309T9_2	1.494304	-0.57947	-1.2719	0.245554	0.863915	DOWN	309.3325	309.3317	309.3328	8.895033	8.745033
3502	M844T10_	1.227597	-0.29584	-1.29346	0.24558	0.863915	DOWN	843.5368	843.5362	843.5376	10.12328	10.02755
3503	M979T26	1.289387	-0.36669	-1.25509	0.245682	0.863915	DOWN	978.6939	978.6936	978.695	25.99458	25.95967
3504	M252T9_5	1.464968	-0.55087	-1.25334	0.245736	0.863915	DOWN	252.3205	252.3184	252.3212	9.268958	9.132267
3505	M496T9_3	1.388081	-0.47309	-1.26052	0.245744	0.863915	DOWN	495.7092	495.709	495.7094	9.24215	9.129317
3506	M1880T10	1.261699	-0.33537	-1.32016	0.245837	0.863916	DOWN	1880.489	1880.487	1880.491	9.842	9.73145
3507	M428T9_3	1.560508	-0.64202	-1.25835	0.245846	0.863916	DOWN	427.784	427.7836	427.7848	9.150633	9.04725
3508	M1363T10	1.409198	-0.49487	-1.32975	0.24589	0.863916	DOWN	1362.537	1362.536	1362.539	9.900767	9.806367
3509	M360T11_	1.374274	-0.45867	-1.26115	0.245893	0.863916	DOWN	360.4311	360.4308	360.4323	10.91734	10.879
3510	M282T11_	1.134001	-0.18142	-1.31382	0.245937	0.863916	DOWN	282.012	282.0115	282.0122	10.91376	10.879
3511	M396T9_2	1.573154	-0.65366	-1.26277	0.245943	0.863916	DOWN	395.7124	395.7117	395.7178	9.191133	9.064833
3512	M189T9_7	2.040952	-1.02924	-1.25857	0.245944	0.863916	DOWN	188.9388	188.9382	188.9411	9.241267	9.103733
3513	M300T27	1.307091	0.386359	1.253963	0.245969	0.863916	UP	300.3258	300.3256	300.3259	27.45325	27.42133
3514	M177T44_	1.428346	-0.51435	-1.25199	0.245982	0.863916	DOWN	177.1271	177.1271	177.1272	43.64408	43.20067
3515	M458T9_4	1.280697	-0.35693	-1.27585	0.246142	0.863916	DOWN	458.0304	458.0244	458.0307	9.311883	9.1445
3516	M1094T10	1.303874	-0.3828	-1.26719	0.246142	0.863916	DOWN	1094.446	1094.443	1094.447	9.964092	9.859233
3517	M374T10_	1.642277	-0.7157	-1.2522	0.246209	0.863916	DOWN	374.131	374.1308	374.1313	9.9468	9.932
3518	M228T10_	1.82962	0.871544	1.278698	0.246282	0.863916	UP	227.7389	227.7297	227.7405	9.830833	9.7124
3519	M759T19	16.3793	-4.0338	-1.35689	0.24629	0.863916	DOWN	759.3862	759.3851	759.3886	19.09075	19.038
3520	M240T10_	1.572407	0.652975	1.252319	0.246309	0.863916	UP	240.3332	240.3331	240.3333	9.983467	9.8914
3521	M393T7	1.136743	-0.18491	-1.25488	0.2464	0.863916	DOWN	393.2089	393.2087	393.2093	7.132925	7.08535
3522	M312T22_	462.4934	8.853289	1.356565	0.246432	0.863916	UP	312.2531	312.2531	312.2532	21.905	21.88017
3523	M1097T10	1.710444	0.774371	1.320889	0.246475	0.863916	UP	1096.664	1096.661	1096.667	9.880217	9.6681
3524	M200T10_	2.445528	1.290146	1.252865	0.24654	0.863917	UP	200.2151	200.2149	200.2151	9.818525	9.7124
3525	M252T22	41.01136	5.357952	1.356129	0.246559	0.863917	UP	252.232	252.2319	252.2321	21.70333	21.69433
3526	M548T11_	1.261123	-0.33471	-1.30499	0.246568	0.863917	DOWN	548.0145	548.014	548.0149	10.57405	10.53485
3527	M161T9_5	1.353938	-0.43716	-1.25298	0.24657	0.863917	DOWN	161.4619	161.4614	161.4623	9.322542	9.219483
3528	M660T10_	1.12629	-0.17158	-1.25993	0.246586	0.863917	DOWN	659.9385	659.938	659.939	9.825492	9.715683
3529	M837T22	1.298349	-0.37668	-1.29997	0.246588	0.863917	DOWN	836.5855	836.5845	836.5865	21.53758	21.494
3530	M314T9_1	4.915277	-2.29727	-1.3347	0.246617	0.863917	DOWN	313.6637	313.6635	313.6642	9.167733	9.130683
3531	M495T9_3	1.393705	-0.47893	-1.2607	0.246625	0.863917	DOWN	494.5659	494.5658	494.5662	9.24725	9.12675
3532	M906T24	6.171373	-2.62559	-1.35477	0.246779	0.863917	DOWN	905.5466	905.5465	905.5473	24.32967	24.273
3533	M347T10_	1.340598	-0.42288	-1.30455	0.246784	0.863917	DOWN	346.6807	346.6804	346.6808	9.8207	9.7124
3534	M694T10_	2.725504	1.446523	1.353279	0.246831	0.863917	UP	693.7492	693.749	693.7507	9.809817	9.715683

3535	M676T10_	7.665309	-2.93834	-1.35445	0.246859	0.863917	DOWN	676.4683	676.4668	676.4697	9.823317	9.715683
3536	M335T11_	1.220701	0.28771	1.258587	0.246956	0.863917	UP	334.6594	334.6591	334.6601	10.91987	10.8214
3537	M201T10_	1.268589	-0.34323	-1.30018	0.246992	0.863917	DOWN	200.7254	200.7183	200.7254	9.830458	9.715683
3538	M696T9_2	1.195413	-0.25751	-1.27148	0.247087	0.863917	DOWN	695.744	695.7434	695.7446	9.314442	9.234417
3539	M575T16	1.309774	-0.38932	-1.30294	0.247166	0.863917	DOWN	575.3587	575.3586	575.3592	15.85554	15.81813
3540	M358T45	1.316203	-0.39638	-1.34495	0.247248	0.863917	DOWN	358.2222	358.2222	358.2223	44.82533	44.60983
3541	M465T10_	1.756159	0.812423	1.312131	0.247253	0.863917	UP	464.5433	464.5429	464.5441	9.856867	9.649833
3542	M217T22_	1.266385	-0.34072	-1.27868	0.247291	0.863918	DOWN	217.1795	217.1793	217.1796	21.7595	21.73817
3543	M159T10_	1.38843	-0.47345	-1.25748	0.247341	0.863918	DOWN	158.6048	158.6046	158.605	9.864842	9.842
3544	M316T42	1.880669	-0.91125	-1.33579	0.247405	0.863918	DOWN	316.1752	316.1751	316.1754	41.97767	41.64717
3545	M417T9_3	1.564735	-0.64592	-1.25205	0.247466	0.863918	DOWN	416.6639	416.6638	416.6643	9.4925	9.417317
3546	M243T9_2	2.697092	-1.4314	-1.31842	0.247535	0.863918	DOWN	242.5586	242.5568	242.5593	9.221317	9.095133
3547	M271T12	1.611937	0.688795	1.347037	0.24755	0.863918	UP	271.1149	271.1148	271.1151	12.45543	12.1516
3548	M524T25_	10.93088	-3.45034	-1.35091	0.247631	0.863918	DOWN	524.366	524.3654	524.3665	24.8555	24.81133
3549	M294T30_	2.052871	1.037643	1.24724	0.247682	0.863918	UP	294.2414	294.2375	294.2488	29.84125	29.76183
3550	M648T9_7	1.48031	-0.5659	-1.24711	0.247686	0.863918	DOWN	648.3357	648.3349	648.3365	9.314442	9.234417
3551	M230T12_	3.860204	1.948677	1.351977	0.247739	0.863918	UP	230.1749	230.1748	230.175	11.76178	11.72808
3552	M341T10_	1.194948	-0.25695	-1.32697	0.247794	0.863918	DOWN	341.473	341.4727	341.4732	9.85045	9.73145
3553	M294T22	86.08731	6.427729	1.351771	0.247832	0.863918	UP	294.2425	294.2425	294.2425	21.905	21.89467
3554	M399T43_	1.485613	0.571059	1.259409	0.247937	0.863918	UP	399.2374	399.2372	399.2375	43.1	42.88383
3555	M416T38	1.104998	0.144043	1.336839	0.247943	0.863918	UP	416.2642	416.2639	416.2643	38.06483	37.93567
3556	M727T11_	1.290527	-0.36796	-1.25415	0.247945	0.863918	DOWN	726.6632	726.6623	726.6638	10.86977	10.83572
3557	M252T11_	2.566159	-1.35961	-1.25089	0.247946	0.863918	DOWN	252.4269	252.4265	252.4269	10.89808	10.8646
3558	M221T10_	1.115197	-0.1573	-1.25616	0.24797	0.863918	DOWN	221.2298	221.2296	221.2301	9.924308	9.827283
3559	M310T11_	1.510046	0.594592	1.332581	0.248014	0.863919	UP	310.1625	310.1624	310.1651	10.7249	10.5191
3560	M205T9_2	3.62865	-1.85943	-1.33715	0.248075	0.863919	DOWN	205.0444	205.038	205.0447	9.132467	8.532717
3561	M454T11_	1.137391	-0.18573	-1.25765	0.248149	0.863919	DOWN	454.3457	454.3455	454.3463	11.10065	11.06392
3562	M528T12	27.57019	4.785037	1.350107	0.248157	0.863919	UP	528.364	528.3636	528.3642	11.76531	11.72885
3563	M151T27	1.460033	-0.546	-1.31351	0.24827	0.863919	DOWN	151.0752	151.075	151.0752	27.25083	27.22733
3564	M471T9_1	30.8102	4.945336	1.35016	0.248272	0.863919	UP	471.427	471.4257	471.4332	9.11405	8.91235
3565	M276T10_	5.447732	-2.44566	-1.34308	0.248273	0.863919	DOWN	276.4795	276.4793	276.48	9.872883	9.747533
3566	M761T10_	1.262738	-0.33655	-1.27587	0.248316	0.863919	DOWN	760.964	760.9634	760.9643	10.16449	10.07528
3567	M584T9_5	1.933262	0.951037	1.297515	0.248398	0.863919	UP	584.1378	584.1304	584.1395	9.174967	9.06315
3568	M417T41_	1.117098	-0.15976	-1.31359	0.2484	0.863919	DOWN	417.248	417.2478	417.2482	40.58233	40.525
3569	M206T9_1	2.143048	1.099664	1.245018	0.24844	0.863919	UP	205.5218	205.5214	205.5219	9.3494	9.250817

3570	M595T10_	1.126359	-0.17167	-1.24544	0.248546	0.863919	DOWN	595.4546	595.4542	595.455	9.916617	9.79535
3571	M1342T10	1.619871	-0.69588	-1.29209	0.248586	0.863919	DOWN	1341.723	1341.721	1341.725	9.984083	9.885167
3572	M1136T10	1.356257	-0.43963	-1.24761	0.248644	0.863919	DOWN	1136.481	1136.481	1136.483	9.565017	9.447617
3573	M460T9_1	1.711649	-0.77539	-1.28107	0.248692	0.863919	DOWN	459.638	459.6368	459.6387	8.899467	8.7575
3574	M312T10_	4.57381	2.193396	1.329991	0.248757	0.863919	UP	312.2263	312.219	312.2266	9.847075	9.827283
3575	M332T9_6	1.39475	-0.48001	-1.25179	0.248837	0.86392	DOWN	332.1002	332.1001	332.1005	9.29345	9.219483
3576	M1417T10	1.200651	-0.26382	-1.25043	0.248837	0.86392	DOWN	1416.64	1416.637	1416.646	9.9014	9.79535
3577	M1894T10	1.295514	-0.37352	-1.30211	0.248841	0.86392	DOWN	1894.186	1894.185	1894.187	9.830833	9.715683
3578	M549T11_	1.322777	-0.40357	-1.24374	0.248871	0.86392	DOWN	549.3319	549.3312	549.3326	10.60347	10.55068
3579	M348T9_3	1.465926	-0.55181	-1.24972	0.249008	0.86392	DOWN	347.9193	347.9151	347.9276	9.275183	9.0839
3580	M334T9_7	1.313319	-0.39322	-1.28374	0.249017	0.86392	DOWN	334.3838	334.3831	334.384	8.90275	8.818733
3581	M288T18_	226.3629	7.822494	1.347598	0.249055	0.86392	UP	288.2532	288.2531	288.2532	17.94783	17.94383
3582	M313T9_2	1.537707	0.62078	1.256056	0.249109	0.86392	UP	312.5926	312.5925	312.5929	9.168067	9.1175
3583	M520T36	1.123707	0.168266	1.288962	0.24911	0.86392	UP	520.3113	520.3111	520.3114	36.12208	36.02067
3584	M395T19_	1.137896	-0.18637	-1.24798	0.249121	0.86392	DOWN	395.1272	395.1271	395.1276	18.95683	18.951
3585	M315T9_5	1.459241	-0.54522	-1.26998	0.249124	0.86392	DOWN	314.9109	314.9107	314.9117	8.872733	8.7875
3586	M1211T10	1.356182	-0.43955	-1.25701	0.24925	0.86392	DOWN	1211.023	1211.022	1211.024	9.968992	9.859233
3587	M432T9_1	1.286182	-0.36309	-1.25377	0.249305	0.86392	DOWN	432.3568	432.3565	432.357	9.3332	9.234417
3588	M1876T10	1.264874	-0.33899	-1.25737	0.249308	0.86392	DOWN	1875.891	1875.888	1875.892	9.830283	9.715683
3589	M683T11_	1.418198	-0.50406	-1.29062	0.249408	0.86392	DOWN	682.6841	682.6838	682.687	10.94208	10.89125
3590	M464T26_	1.52787	-0.61152	-1.24368	0.249465	0.86392	DOWN	463.9913	463.991	463.9916	26.333	26.31767
3591	M548T25	10.81183	-3.43454	-1.34414	0.249513	0.86392	DOWN	547.8538	547.8535	547.8549	24.912	24.87067
3592	M356T10_	1.495631	0.580754	1.274194	0.249542	0.863921	UP	355.7717	355.7711	355.7718	9.840617	9.73145
3593	M242T10_	1.496748	-0.58183	-1.24165	0.249693	0.863921	DOWN	242.3728	242.372	242.3738	9.8445	9.830083
3594	M157T9_1	1.650921	-0.72327	-1.28135	0.249699	0.863921	DOWN	156.8416	156.8414	156.8419	9.317	9.24215
3595	M173T9_5	1.389762	-0.47484	-1.28103	0.249903	0.863921	DOWN	173.2334	173.2329	173.2338	9.355917	9.245983
3596	M369T11_	1.108792	-0.14899	-1.24522	0.249925	0.863921	DOWN	369.2381	369.238	369.2383	10.90659	10.89355
3597	M221T28	1.174863	-0.23249	-1.25856	0.249984	0.863921	DOWN	221.117	221.1169	221.1172	27.95175	27.9235
3598	M316T23_	73.26382	6.195029	1.344365	0.250007	0.863921	UP	316.2844	316.2843	316.2845	23.27583	23.24867
3599	M311T11_	1.657519	0.729025	1.305529	0.25001	0.863921	UP	311.1655	311.1653	311.1661	10.73762	10.6825
3600	M212T12_	18.01342	4.171	1.344021	0.250092	0.863921	UP	212.1644	212.1643	212.1644	11.74021	11.72808
3601	M982T11	1.523113	-0.60702	-1.27551	0.250187	0.863921	DOWN	982.472	982.4716	982.4725	10.58862	10.51422
3602	M238T27	1.658614	-0.72998	-1.31149	0.250201	0.863921	DOWN	238.1799	238.1798	238.1801	27.24633	27.22933
3603	M245T9_6	1.390592	-0.4757	-1.24922	0.250275	0.863921	DOWN	245.3252	245.3246	245.3257	9.277667	9.229717
3604	M340T11_	1.197908	-0.26052	-1.23904	0.250449	0.863922	DOWN	340.2593	340.2592	340.2594	11.03488	11.00892

3605	M1002T10	3.139322	1.650453	1.305548	0.250509	0.863922	UP	1001.851	1001.849	1001.852	9.930933	9.8914
3606	M1858T10	1.143677	-0.19368	-1.32723	0.250571	0.863922	DOWN	1858.263	1858.262	1858.264	9.82645	9.728083
3607	M539T10_	1.167837	-0.22384	-1.30572	0.250616	0.863922	DOWN	538.878	538.8773	538.8791	9.97155	9.859233
3608	M334T10_	4.127901	2.045408	1.338397	0.250621	0.863922	UP	333.938	333.9295	333.9385	9.880683	9.772883
3609	M233T10_	1.383617	-0.46844	-1.27179	0.250649	0.863922	DOWN	233.3566	233.3558	233.3571	9.816167	9.696683
3610	M259T11_	1.116044	-0.15839	-1.24274	0.250709	0.863922	DOWN	259.2014	259.2013	259.2015	10.90659	10.89355
3611	M850T10_	1.127713	-0.1734	-1.25042	0.250757	0.863922	DOWN	850.2272	850.2267	850.2277	9.934533	9.827283
3612	M446T25	1.407783	-0.49342	-1.23845	0.250806	0.863922	DOWN	445.8239	445.8239	445.824	25.40283	25.33283
3613	M598T10_	1.586152	0.665531	1.287635	0.250858	0.863922	UP	598.3652	598.3617	598.3656	9.947667	9.843367
3614	M350T9_2	1.375274	-0.45972	-1.23852	0.25087	0.863922	DOWN	349.7661	349.7659	349.7663	9.314442	9.234417
3615	M456T11_	1.284798	-0.36154	-1.23959	0.250874	0.863922	DOWN	455.7123	455.7109	455.7146	10.90785	10.8926
3616	M332T44_	1.368772	-0.45288	-1.24101	0.250899	0.863922	DOWN	332.1703	332.1702	332.1704	44.40133	44.207
3617	M341T10_	1.194266	-0.25612	-1.31749	0.250969	0.863922	DOWN	341.407	341.4049	341.4073	9.823217	9.445217
3618	M387T16_	1.911925	-0.93503	-1.33255	0.251005	0.863922	DOWN	387.2487	387.2485	387.2487	16.49057	16.44663
3619	M664T10_	1.794798	0.843822	1.300945	0.251048	0.863922	UP	664.4445	664.4432	664.446	9.853633	9.7124
3620	M681T10_	1.389108	0.474159	1.251017	0.251077	0.863922	UP	680.8383	680.8377	680.8386	9.94405	9.843367
3621	M625T9	1.500712	-0.58565	-1.29328	0.251099	0.863923	DOWN	624.7074	624.7064	624.708	9.3332	9.234417
3622	M521T9_6	1.233592	-0.30287	-1.24067	0.251102	0.863923	DOWN	521.0032	521.0023	521.0046	9.330642	9.129317
3623	M699T9_3	1.255254	-0.32798	-1.29185	0.251128	0.863923	DOWN	699.3057	699.3055	699.3061	9.314442	9.234417
3624	M325T10_	1.182365	-0.24168	-1.33662	0.251236	0.863923	DOWN	325.349	325.3487	325.3504	9.8207	9.640367
3625	M174T10_	1.306776	-0.38601	-1.24929	0.251254	0.863923	DOWN	174.1278	174.1273	174.128	9.915583	9.811217
3626	M166T10_	2.094924	1.066898	1.331704	0.251474	0.863923	UP	166.1228	166.1225	166.1229	9.946467	9.673333
3627	M1758T9	1.236948	-0.30678	-1.25008	0.251477	0.863923	DOWN	1757.76	1757.758	1757.762	9.280992	9.129317
3628	M372T9_1	1.561528	-0.64296	-1.24253	0.251629	0.863923	DOWN	371.7284	371.7269	371.7287	8.97715	8.90515
3629	M204T10_	1.199385	-0.26229	-1.28788	0.251655	0.863923	DOWN	203.722	203.7219	203.7221	9.850858	9.73145
3630	M278T22	2.476894	1.308532	1.238382	0.251667	0.863923	UP	278.1859	278.1857	278.1863	21.59525	21.578
3631	M388T11_	1.262834	0.336665	1.25577	0.251677	0.863923	UP	388.1695	388.1693	388.1755	10.91987	10.8914
3632	M163T31	1.897481	-0.92409	-1.32803	0.251696	0.863923	DOWN	163.0751	163.0751	163.0752	31.014	31.0025
3633	M202T11_	2.325642	1.217629	1.332124	0.251727	0.863923	UP	202.2282	202.2281	202.2284	10.892	10.87708
3634	M278T10_	1.190821	-0.25196	-1.25718	0.251731	0.863923	DOWN	277.7932	277.7929	277.7937	9.959533	9.859233
3635	M1983T10	1.415123	-0.50093	-1.30368	0.251739	0.863923	DOWN	1982.687	1982.686	1982.687	9.956417	9.853533
3636	M294T21_	18.086	4.176802	1.338488	0.25175	0.863923	UP	294.2426	294.2423	294.2427	20.85217	20.84967
3637	M329T18	1.424008	-0.50996	-1.23543	0.251762	0.863923	DOWN	328.7266	328.7266	328.7267	18.43433	18.40733
3638	M604T9	1.44025	-0.52632	-1.2353	0.251765	0.863923	DOWN	604.2495	604.2486	604.2498	9.1445	9.142767
3639	M221T10_	1.111171	-0.15208	-1.24336	0.251806	0.863923	DOWN	220.9675	220.9674	220.9678	9.924308	9.827283



3640	M729T10_	1.76724	-0.8215	-1.23574	0.251807	0.863923	DOWN	728.7427	728.7423	728.7439	9.9	9.827283
3641	M799T11	1.410413	-0.49612	-1.23801	0.251882	0.863924	DOWN	798.5483	798.5479	798.5485	11.12052	11.09303
3642	M378T10_	1.166454	-0.22213	-1.23838	0.251915	0.863924	DOWN	377.7619	377.7616	377.7626	9.923542	9.811217
3643	M378T9_6	1.514124	-0.59848	-1.3105	0.251923	0.863924	DOWN	377.8657	377.864	377.868	9.174967	9.1428
3644	M478T13_	1.57063	0.651344	1.319169	0.25194	0.863924	UP	478.3244	478.3241	478.3249	13.24463	13.2163
3645	M366T9_1	1.998115	-0.99864	-1.24801	0.251973	0.863924	DOWN	365.5216	365.5095	365.5223	9.31485	9.129317
3646	M375T11_	1.355682	-0.43902	-1.245	0.251979	0.863924	DOWN	374.8958	374.8951	374.896	10.8937	10.8214
3647	M313T9_1	1.525812	-0.60958	-1.2481	0.25203	0.863924	DOWN	313.3545	313.3541	313.3552	8.8109	8.772383
3648	M341T11_	1.190184	0.251185	1.246795	0.252062	0.863924	UP	341.0037	341.0035	341.0039	10.90548	10.879
3649	M522T13_	1.143083	-0.19293	-1.24553	0.252078	0.863924	DOWN	522.4089	522.4087	522.4094	12.63073	12.61638
3650	M518T41_	1.229089	0.297589	1.234357	0.252102	0.863924	UP	518.2956	518.2953	518.2959	41.18658	41.014
3651	M462T10_	1.487594	-0.57298	-1.26457	0.252175	0.863924	DOWN	462.4503	462.45	462.4517	9.825492	9.699733
3652	M295T9_5	1.251755	-0.32395	-1.23963	0.252205	0.863924	DOWN	294.8611	294.8608	294.8613	8.977958	8.89395
3653	M1929T10	2.356314	1.236532	1.321974	0.252329	0.863924	UP	1928.564	1928.562	1928.567	9.872933	9.747533
3654	M837T9	1.817279	0.86178	1.237439	0.252402	0.863924	UP	836.9072	836.9032	836.9081	9.314442	9.219483
3655	M376T29	1.191356	0.252604	1.233192	0.252513	0.863924	UP	376.3418	376.3417	376.3419	29.3515	29.33367
3656	M920T11_	1.43472	-0.52077	-1.29709	0.252533	0.863924	DOWN	919.5099	919.5094	919.5104	10.53152	10.52897
3657	M829T10_	3.757333	1.909709	1.317446	0.252549	0.863924	UP	829.026	829.0168	829.0265	9.923067	9.840617
3658	M288T23_	1.7517	0.808756	1.236546	0.252557	0.863924	UP	288.4391	288.4317	288.4453	22.92167	22.85683
3659	M593T9_3	2.491874	-1.31723	-1.24797	0.252598	0.863924	DOWN	593.2524	593.252	593.2532	9.25395	9.234417
3660	M819T10_	1.314576	-0.3946	-1.26776	0.252598	0.863924	DOWN	818.6629	818.6616	818.6636	9.931875	9.827283
3661	M259T9_2	3.503499	1.808796	1.27715	0.25262	0.863924	UP	259.1814	259.18	259.1819	8.809875	8.749717
3662	M285T9_3	1.431126	-0.51715	-1.24548	0.252625	0.863924	DOWN	284.739	284.7384	284.7392	9.3332	9.234417
3663	M204T10_	1.200557	-0.2637	-1.28287	0.252872	0.863925	DOWN	203.9541	203.954	203.9543	9.850858	9.73145
3664	M592T10_	1.177254	-0.23543	-1.2656	0.252878	0.863925	DOWN	592.058	592.0575	592.0584	9.930142	9.811217
3665	M349T10_	1.280493	-0.3567	-1.28383	0.252974	0.863925	DOWN	348.8804	348.8801	348.8807	9.830283	9.715683
3666	M194T9_1	2.341736	1.227579	1.307185	0.253023	0.863925	UP	194.0337	194.0332	194.0349	9.18975	9.110833
3667	M214T9_1	1.695895	-0.76205	-1.2517	0.25309	0.863925	DOWN	214.4135	214.413	214.4148	9.25825	9.132267
3668	M1966T10	1.223999	-0.2916	-1.27076	0.25317	0.863925	DOWN	1966.188	1966.187	1966.193	9.8397	9.715683
3669	M460T40_	1.308524	-0.38794	-1.24889	0.253202	0.863925	DOWN	460.2901	460.29	460.2904	39.93517	39.8485
3670	M275T11_	1.384702	-0.46958	-1.25718	0.253219	0.863925	DOWN	274.5279	274.5275	274.5283	10.92731	10.873
3671	M1136T10	1.595452	-0.67397	-1.26634	0.253275	0.863925	DOWN	1136.437	1136.436	1136.439	9.970617	9.885167
3672	M708T10_	1.243331	0.31421	1.232982	0.253282	0.863925	UP	708.3963	708.3952	708.3972	10.28195	10.18238
3673	M295T25_	1.43126	0.517286	1.234855	0.253429	0.863925	UP	295.1178	295.1175	295.119	24.59467	24.5795
3674	M217T9_4	1.792763	0.842185	1.301176	0.253496	0.863926	UP	217.3392	217.3391	217.3393	9.411025	9.297883

3675	M484T22	1.36779	-0.45185	-1.25187	0.253573	0.863926	DOWN	484.3473	484.3466	484.3477	21.52917	21.508
3676	M529T18	1.923489	0.943726	1.330506	0.253615	0.863926	UP	529.2405	529.2332	529.2409	17.8785	17.84133
3677	M275T18	1.685763	-0.7534	-1.31779	0.253698	0.863926	DOWN	275.1865	275.1863	275.1865	18.04033	18.02733
3678	M264T11_	1.858103	0.893831	1.249169	0.253778	0.863926	UP	264.3301	264.3299	264.3304	10.90343	10.8646
3679	M338T9_2	1.312428	-0.39224	-1.25256	0.253779	0.863926	DOWN	337.7268	337.7267	337.7272	9.492792	9.40135
3680	M337T9_7	1.304698	-0.38372	-1.23067	0.253896	0.863926	DOWN	336.8686	336.8685	336.8688	9.285867	9.129317
3681	M225T42_	1.205231	-0.26931	-1.25733	0.253911	0.863926	DOWN	225.1118	225.1118	225.112	42.00658	41.87717
3682	M1269T10	1.650082	0.722538	1.264503	0.25395	0.863926	UP	1269.246	1269.245	1269.248	9.977442	9.859233
3683	M188T9_5	2.219732	-1.15039	-1.23058	0.253951	0.863926	DOWN	187.9229	187.9227	187.9236	9.245983	9.132267
3684	M869T11	1.4303	0.516318	1.236148	0.253998	0.863926	UP	869.4783	869.472	869.4823	10.8914	10.72662
3685	M236T10_	128.4862	7.00547	1.330816	0.254041	0.863926	UP	236.1256	236.1253	236.1257	10.21867	10.2155
3686	M196T9_1	1.344499	-0.42707	-1.22991	0.254089	0.863926	DOWN	195.6074	195.607	195.6084	9.365833	9.234417
3687	M378T25_	1.700358	0.765838	1.28224	0.254183	0.863926	UP	378.212	378.2118	378.212	24.77525	24.66033
3688	M345T42	1.27598	-0.35161	-1.23109	0.254193	0.863926	DOWN	345.1905	345.1903	345.1908	42.09283	41.91883
3689	M700T10_	1.198207	-0.26088	-1.23031	0.254411	0.863927	DOWN	699.5839	699.5836	699.5841	9.830083	9.743667
3690	M239T27	2.064424	-1.04574	-1.3156	0.254512	0.863927	DOWN	239.1832	239.183	239.1834	27.25067	27.231
3691	M707T10_	2.3496	1.232415	1.29608	0.254629	0.863927	UP	706.9141	706.9133	706.9161	9.918833	9.736117
3692	M169T10_	1.89806	0.924525	1.286903	0.254647	0.863927	UP	168.7575	168.7574	168.7575	9.968992	9.859233
3693	M969T10	1.435531	-0.52158	-1.22761	0.254718	0.863927	DOWN	969.4598	969.4593	969.46	10.08007	10.02755
3694	M404T9_1	1.250131	-0.32208	-1.26979	0.254863	0.863927	DOWN	403.5844	403.5842	403.5848	9.449367	9.355317
3695	M415T43_	1.376696	0.46121	1.249974	0.254921	0.863927	UP	415.2322	415.2321	415.2323	43.41383	43.2005
3696	M162T9_2	1.265874	-0.34013	-1.23974	0.255092	0.863928	DOWN	161.6749	161.6745	161.6753	9.314442	9.234417
3697	M263T10_	1.534273	-0.61756	-1.25081	0.255156	0.863928	DOWN	262.6534	262.6534	262.6534	9.512983	9.447983
3698	M512T10_	1.323699	-0.40457	-1.30797	0.255182	0.863928	DOWN	511.7485	511.7483	511.7488	9.914217	9.811217
3699	M461T41_	1.376639	-0.46115	-1.30218	0.25525	0.863928	DOWN	461.2741	461.274	461.2744	40.9565	40.8415
3700	M520T45_	2.503947	1.324204	1.323503	0.255261	0.863928	UP	520.2748	520.2746	520.2751	44.87567	44.6385
3701	M404T10_	1.159497	-0.2135	-1.22737	0.255373	0.863928	DOWN	404.2432	404.2426	404.2435	10.43278	10.39298
3702	M185T10_	3.531254	1.82018	1.318505	0.255609	0.863928	UP	185.1147	185.1146	185.1164	9.673392	9.58735
3703	M873T10_	1.37394	-0.45832	-1.27095	0.255663	0.863928	DOWN	873.0061	873.005	873.0075	10.41657	10.36157
3704	M334T10_	1.271725	-0.34679	-1.29593	0.255727	0.863928	DOWN	333.6248	333.6245	333.6255	9.830783	9.715683
3705	M558T10_	1.662062	0.732974	1.310198	0.255824	0.863928	UP	558.2972	558.2951	558.2976	9.951283	9.872067
3706	M314T32	4.036009	2.012929	1.322779	0.255841	0.863929	UP	314.1467	314.1464	314.147	32.08483	32.07
3707	M372T10_	1.510447	0.594976	1.26998	0.256064	0.863929	UP	371.6305	371.6303	371.631	9.818442	9.715683
3708	M199T10_	10.27752	3.36142	1.323617	0.25607	0.863929	UP	199.1521	199.152	199.1522	10.47939	10.45607
3709	M861T9	1.677944	-0.74669	-1.22597	0.256098	0.863929	DOWN	861.1966	861.1927	861.1989	9.328967	9.130683

3710	M414T9_1	1.447821	-0.53388	-1.22305	0.256137	0.863929	DOWN	413.9676	413.9672	413.9679	9.3494	9.22495
3711	M365T11_	7.003069	2.807987	1.322996	0.256183	0.863929	UP	365.2318	365.231	365.2324	10.55857	10.47685
3712	M700T9_3	1.470436	-0.55624	-1.23905	0.256291	0.863929	DOWN	700.4045	700.4037	700.4053	9.288458	9.129317
3713	M624T12_	1.308052	-0.38742	-1.23772	0.256383	0.863929	DOWN	623.5301	623.5291	623.5307	12.4422	12.42978
3714	M555T10_	1.42988	0.515894	1.275925	0.256432	0.863929	UP	555.0354	555.035	555.0355	9.932	9.843367
3715	M333T10_	1.180973	-0.23998	-1.27916	0.256448	0.863929	DOWN	333.4675	333.4672	333.4681	9.8348	9.715683
3716	M201T10_	1.187791	-0.24828	-1.2364	0.256552	0.863929	DOWN	200.8573	200.8571	200.8574	9.830283	9.715683
3717	M762T16_	1.160657	-0.21494	-1.22394	0.256584	0.863929	DOWN	761.5311	761.5306	761.5317	15.52669	15.51198
3718	M680T24	1.406667	-0.49228	-1.25651	0.256603	0.863929	DOWN	679.5112	679.5111	679.5113	23.89583	23.86417
3719	M353T9_3	1.367067	-0.45108	-1.31133	0.256655	0.86393	DOWN	353.4123	353.412	353.4127	9.485058	9.40135
3720	M923T10_	1.149966	-0.20159	-1.22517	0.256657	0.86393	DOWN	922.7073	922.7067	922.7078	9.895967	9.79535
3721	M324T10_	1.22759	-0.29583	-1.31332	0.256764	0.86393	DOWN	324.2202	324.2201	324.2204	9.8207	9.715683
3722	M553T17	1.320872	0.401491	1.224677	0.256895	0.86393	UP	553.4034	553.4023	553.4046	16.66588	16.60705
3723	M491T28	1.261433	-0.33506	-1.22101	0.256908	0.86393	DOWN	491.3416	491.3414	491.3419	28.26575	28.24533
3724	M845T10_	1.108421	-0.14851	-1.22258	0.256921	0.86393	DOWN	845.016	845.0155	845.0163	9.930908	9.827283
3725	M888T10_	1.224632	-0.29235	-1.23289	0.256936	0.86393	DOWN	887.5463	887.5445	887.5479	9.950258	9.843367
3726	M915T10	1.824334	0.86737	1.262327	0.256974	0.86393	UP	915.1156	915.1136	915.1161	9.952017	9.827283
3727	M402T11_	1.972909	-0.98032	-1.2237	0.25705	0.86393	DOWN	402.3301	402.3299	402.3404	10.90359	10.83393
3728	M431T20_	1.167606	-0.22355	-1.22069	0.25705	0.86393	DOWN	431.2665	431.2649	431.2668	20.24533	19.95583
3729	M432T9_1	1.269718	-0.34451	-1.26509	0.257103	0.86393	DOWN	431.6969	431.6964	431.698	9.258533	9.12675
3730	M453T7_1	1.373064	-0.4574	-1.25762	0.257111	0.86393	DOWN	453.209	453.2089	453.2092	7.365858	7.288367
3731	M385T10_	1.476084	-0.56178	-1.26746	0.257131	0.86393	DOWN	384.5308	384.5307	384.5312	9.907858	9.806367
3732	M223T10_	1.25547	0.328228	1.247375	0.257154	0.86393	UP	223.2712	223.2711	223.2715	9.894875	9.779267
3733	M418T11_	5.135658	-2.36055	-1.31996	0.257238	0.86393	DOWN	418.2336	418.2332	418.2341	10.57644	10.53485
3734	M209T10_	1.230658	-0.29943	-1.22063	0.257265	0.86393	DOWN	209.1276	209.1197	209.1277	9.859667	9.842
3735	M690T23	1.368517	-0.45261	-1.29405	0.257287	0.86393	DOWN	690.463	690.4618	690.4636	23.01608	22.987
3736	M429T9_9	1.633507	-0.70797	-1.21966	0.257327	0.86393	DOWN	429.4659	429.464	429.4662	9.311525	9.1445
3737	M617T10_	1.428409	0.514409	1.289526	0.257331	0.86393	UP	617.4369	617.4365	617.4377	9.933017	9.91765
3738	M408T9_6	1.312595	-0.39242	-1.26453	0.257367	0.86393	DOWN	408.1467	408.1465	408.1467	9.494433	9.416817
3739	M328T9_2	1.324938	-0.40592	-1.21931	0.257454	0.86393	DOWN	327.8985	327.8984	327.8987	9.285867	9.129317
3740	M554T10_	1.316842	-0.39708	-1.22082	0.25746	0.863931	DOWN	553.6241	553.6234	553.6245	9.967367	9.859233
3741	M229T10_	1.223425	-0.29093	-1.25381	0.257478	0.863931	DOWN	229.3442	229.344	229.3442	9.902008	9.79535
3742	M295T10_	1.262423	-0.3362	-1.27055	0.257482	0.863931	DOWN	295.3789	295.3786	295.3792	9.902008	9.79535
3743	M662T10_	1.340294	-0.42255	-1.2205	0.257498	0.863931	DOWN	662.2591	662.2587	662.2595	9.83535	9.728083
3744	M417T44_	1.988341	0.991566	1.291219	0.257525	0.863931	UP	417.2479	417.2478	417.248	43.74708	43.61767

3745	M270T11_	3.771931	1.915303	1.31669	0.257594	0.863931	UP	270.0119	270.0117	270.0123	10.93468	10.873
3746	M1203T10	2.034959	1.024999	1.276132	0.257597	0.863931	UP	1202.776	1202.774	1202.778	9.743767	9.636483
3747	M686T9_3	1.564019	-0.64526	-1.22847	0.257623	0.863931	DOWN	686.1984	686.1982	686.1989	9.296458	9.234417
3748	M228T9_5	1.59533	-0.67385	-1.24703	0.257648	0.863931	DOWN	227.8351	227.8327	227.839	9.2946	9.132267
3749	M786T19	1.276422	-0.3521	-1.23653	0.257655	0.863931	DOWN	785.6155	785.6148	785.6161	18.96567	18.943
3750	M441T11_	1.379722	0.464378	1.241168	0.257659	0.863931	UP	441.2175	441.2166	441.2177	10.92425	10.86253
3751	M161T9_3	1.389504	-0.47457	-1.22808	0.257703	0.863931	DOWN	161.2638	161.2634	161.2642	9.3332	9.234417
3752	M628T10_	1.301049	-0.37968	-1.22281	0.257795	0.863931	DOWN	627.8852	627.8847	627.8864	10.11527	10.06242
3753	M866T15	1.450138	-0.53619	-1.23289	0.257921	0.863931	DOWN	866.4599	866.459	866.4618	14.79458	14.75145
3754	M352T9_4	1.45058	0.53663	1.229906	0.257951	0.863931	UP	352.0465	352.0459	352.0472	9.329642	9.280767
3755	M278T11_	1.355356	0.438672	1.254836	0.258028	0.863931	UP	277.8641	277.8637	277.8643	10.87706	10.82935
3756	M154T10_	1.732945	-0.79323	-1.25407	0.258049	0.863931	DOWN	154.4061	154.406	154.4061	9.958617	9.869467
3757	M457T9_1	1.543056	0.625791	1.268318	0.25819	0.863931	UP	456.532	456.5311	456.5381	9.206692	9.111033
3758	M973T10	1.259013	-0.33229	-1.21725	0.258208	0.863931	DOWN	973.4116	973.4114	973.4121	10.1007	10.0118
3759	M231T24	1.769979	0.823732	1.241176	0.258232	0.863931	UP	231.2508	231.2505	231.251	24.04183	24.023
3760	M423T10_	2.110746	1.077753	1.304909	0.258248	0.863931	UP	422.8543	422.8542	422.8549	9.979667	9.8753
3761	M350T9_1	1.393793	-0.47902	-1.24328	0.25826	0.863931	DOWN	350.4458	350.4422	350.4459	9.322983	9.234417
3762	M273T42_	1.26089	-0.33444	-1.27813	0.258336	0.863932	DOWN	273.1693	273.1692	273.1695	42.12892	41.906
3763	M187T9_2	1.542904	-0.62565	-1.21876	0.258463	0.863932	DOWN	186.9889	186.9887	186.9891	9.18975	9.142767
3764	M265T11_	1.178275	0.236676	1.263897	0.258579	0.863932	UP	265.1521	265.152	265.1523	10.56108	10.5191
3765	M349T11_	1.479049	0.56467	1.233217	0.258591	0.863932	UP	349.2096	349.2092	349.2098	10.51239	10.42453
3766	M536T40_	1.203669	-0.26744	-1.23702	0.258695	0.863932	DOWN	536.3061	536.306	536.3062	39.863	39.73367
3767	M390T10_	2.329708	1.220149	1.308671	0.258702	0.863932	UP	389.8825	389.882	389.8836	9.952017	9.843367
3768	M521T9_5	1.196264	-0.25854	-1.23608	0.258723	0.863932	DOWN	520.9254	520.9252	520.9257	9.167733	9.129317
3769	M428T18	1.3078	0.387142	1.235014	0.258753	0.863932	UP	428.3004	428.3001	428.3004	17.95383	17.93233
3770	M370T11_	1.102956	-0.14137	-1.22214	0.258836	0.863932	DOWN	370.2417	370.2417	370.2419	10.90659	10.89355
3771	M201T10_	1.377637	0.462195	1.234202	0.258928	0.863932	UP	200.941	200.9408	200.9453	9.978692	9.856867
3772	M203T28	1.339474	-0.42167	-1.30165	0.258979	0.863932	DOWN	202.8396	202.8376	202.8451	27.76442	27.72217
3773	M217T10_	39.08459	5.288528	1.314367	0.259011	0.863932	UP	217.1626	217.1623	217.1627	10.47212	10.44008
3774	M401T16	23.53369	4.556656	1.314328	0.259034	0.863932	UP	401.1593	401.1592	401.1593	16.14023	16.12982
3775	M206T9_2	1.22773	0.295994	1.223197	0.259045	0.863932	UP	206.4408	206.44	206.4447	9.280767	9.1322
3776	M398T10_	1.240933	-0.31142	-1.29608	0.259231	0.863933	DOWN	397.729	397.7288	397.7296	9.9091	9.79535
3777	M204T9_3	1.428706	-0.51471	-1.2197	0.259248	0.863933	DOWN	204.2141	204.214	204.2143	9.3332	9.191133
3778	M472T9_1	1.365547	0.449479	1.281747	0.259312	0.863933	UP	471.5004	471.4991	471.5007	9.401633	9.11795
3779	M496T10_	1.36725	0.451277	1.276392	0.259323	0.863933	UP	495.9588	495.9576	495.9636	10.14972	9.9677

3780	M244T9_9	1.566668	-0.6477	-1.2152	0.259373	0.863933	DOWN	244.1879	244.1854	244.1885	9.311883	9.275917
3781	M628T10_	1.347178	-0.42994	-1.23058	0.259389	0.863933	DOWN	628.286	628.2856	628.2861	9.624117	9.52595
3782	M246T11_	1.287638	0.364727	1.217299	0.259389	0.863933	UP	245.7515	245.7507	245.7518	10.8926	10.8646
3783	M296T12	1.406771	0.492387	1.303412	0.259396	0.863933	UP	296.241	296.2406	296.2421	11.84875	11.8012
3784	M357T37_	1.347015	-0.42977	-1.29433	0.259489	0.863933	DOWN	357.1906	357.1905	357.1908	36.85625	36.5545
3785	M1012T13	1.284933	-0.36169	-1.28558	0.259496	0.863933	DOWN	1011.506	1011.505	1011.506	13.40522	13.39008
3786	M316T24_	170.7971	7.41614	1.31254	0.259582	0.863933	UP	316.2843	316.2842	316.2843	24.07483	24.05367
3787	M296T11_	1.275103	-0.35061	-1.2134	0.259595	0.863933	DOWN	296.1452	296.1438	296.1455	10.93208	10.88747
3788	M306T9_5	1.774122	-0.82711	-1.22339	0.259598	0.863933	DOWN	306.4982	306.498	306.499	9.275917	9.219483
3789	M456T9_6	1.246429	-0.3178	-1.26039	0.25962	0.863933	DOWN	456.1559	456.1557	456.1563	9.297925	9.146383
3790	M793T11_	1.274707	-0.35017	-1.21594	0.259645	0.863933	DOWN	792.9691	792.968	792.9697	10.52287	10.47197
3791	M167T10_	1.358254	-0.44175	-1.23462	0.259671	0.863933	DOWN	166.983	166.9829	166.9831	9.823317	9.715683
3792	M444T10_	1.355124	-0.43842	-1.22735	0.259678	0.863933	DOWN	443.6295	443.6283	443.6297	9.946467	9.827283
3793	M374T11_	1.262084	0.335808	1.212872	0.259779	0.863933	UP	374.4648	374.4643	374.4649	10.892	10.873
3794	M352T45	1.352467	-0.43559	-1.21533	0.259782	0.863933	DOWN	352.1964	352.1962	352.1966	44.90442	44.7125
3795	M1773T10	1.110172	-0.15078	-1.21297	0.259785	0.863933	DOWN	1772.718	1772.715	1772.72	9.8207	9.715683
3796	M379T24	1.242942	0.313759	1.213185	0.259808	0.863933	UP	379.2955	379.2951	379.2959	23.883	23.8195
3797	M183T9_1	1.459106	-0.54508	-1.22185	0.259864	0.863933	DOWN	183.4314	183.4307	183.432	9.338858	9.18975
3798	M1360T10	1.225859	-0.29379	-1.21639	0.259865	0.863933	DOWN	1360.024	1360.023	1360.026	9.831517	9.699733
3799	M303T11_	1.279571	0.35566	1.243424	0.259869	0.863933	UP	302.5599	302.5598	302.5602	10.89248	10.873
3800	M478T9_1	1.253012	-0.3254	-1.2254	0.260002	0.863934	DOWN	477.5541	477.5535	477.5561	9.328967	9.129317
3801	M358T10_	3.062592	1.614753	1.252868	0.260031	0.863934	UP	358.299	358.2988	358.2994	9.933967	9.8378
3802	M1147T10	1.319792	-0.40031	-1.21473	0.260111	0.863934	DOWN	1147.472	1147.471	1147.474	9.581933	9.447617
3803	M774T10_	1.57082	0.651518	1.271345	0.260157	0.863934	UP	774.1262	774.123	774.1267	9.804067	9.715683
3804	M357T10_	1.973027	0.98041	1.243564	0.260158	0.863934	UP	356.8345	356.8342	356.8346	9.967367	9.859233
3805	M206T12	1.924362	0.94438	1.243363	0.260239	0.863934	UP	206.1539	206.1536	206.154	11.82523	11.8012
3806	M471T9_7	1.616292	-0.69269	-1.27922	0.260242	0.863934	DOWN	471.2665	471.2664	471.2691	9.30295	9.102783
3807	M193T9_2	1.379488	-0.46413	-1.22503	0.260393	0.863934	DOWN	192.6405	192.639	192.641	9.313933	9.11795
3808	M1010T10	1.345688	-0.42834	-1.22886	0.260423	0.863934	DOWN	1009.578	1009.577	1009.579	10.00723	9.90755
3809	M217T5	1.47386	0.559599	1.211737	0.260449	0.863934	UP	216.9225	216.9225	216.9279	5.453667	5.1459
3810	M625T27	1.336936	-0.41893	-1.25768	0.260575	0.863934	DOWN	625.2465	625.246	625.2476	26.86775	26.85367
3811	M956T10_	1.375977	-0.46046	-1.25554	0.260614	0.863934	DOWN	955.5632	955.5629	955.5642	9.531583	9.447983
3812	M458T25_	7.901636	-2.98215	-1.30825	0.260656	0.863934	DOWN	457.6482	457.6471	457.6484	25.32233	25.319
3813	M455T9_1	1.708088	0.772382	1.254238	0.260667	0.863934	UP	455.0626	455.0613	455.0629	9.175017	9.1428
3814	M719T9_2	1.335199	-0.41706	-1.25437	0.260766	0.863935	DOWN	719.074	719.0735	719.0742	9.49445	9.40135

3815	M462T10_	1.391706	0.476854	1.255624	0.260775	0.863935	UP	462.4762	462.4759	462.477	9.8267	9.696683
3816	M339T10_	2.787234	-1.47883	-1.30405	0.260787	0.863935	DOWN	338.8284	338.8274	338.8285	9.830833	9.699733
3817	M435T9_4	1.304723	-0.38374	-1.25758	0.260849	0.863935	DOWN	434.7265	434.7219	434.7269	9.311167	9.129317
3818	M823T10_	1.370627	-0.45484	-1.22616	0.260885	0.863935	DOWN	822.821	822.82	822.8218	9.6364	9.586183
3819	M289T9_3	1.310204	-0.38979	-1.21354	0.260899	0.863935	DOWN	288.9389	288.9387	288.9391	8.848167	8.75965
3820	M1041T10	1.403261	-0.48878	-1.23784	0.260904	0.863935	DOWN	1040.637	1040.636	1040.638	9.8207	9.715683
3821	M679T10_	1.460452	0.546415	1.210529	0.260951	0.863935	UP	679.0323	679.0247	679.038	9.872917	9.747533
3822	M471T10_	1.430491	0.51651	1.248006	0.260955	0.863935	UP	471.0783	471.0777	471.0788	9.759167	9.731817
3823	M415T24	1.147069	0.197953	1.210768	0.260961	0.863935	UP	415.2111	415.2109	415.2113	24.16608	24.14133
3824	M220T11_	1.191766	-0.2531	-1.24752	0.260987	0.863935	DOWN	220.1091	220.109	220.1092	10.92117	10.90548
3825	M200T10_	1.288384	-0.36556	-1.27115	0.261033	0.863935	DOWN	199.7641	199.764	199.7715	9.830458	9.715683
3826	M408T9_4	1.333966	-0.41572	-1.2626	0.261036	0.863935	DOWN	407.9195	407.9194	407.9196	9.2585	9.1158
3827	M324T9_3	1.186222	-0.24637	-1.20938	0.261081	0.863935	DOWN	323.6807	323.6803	323.6812	9.294925	9.129317
3828	M214T11_	1.592026	-0.67086	-1.20986	0.261093	0.863935	DOWN	213.6636	213.6633	213.6637	10.93208	10.9049
3829	M302T10_	1.329581	-0.41097	-1.22273	0.261115	0.863935	DOWN	302.376	302.3758	302.3762	9.8207	9.699733
3830	M548T42	1.30644	0.385641	1.257619	0.261156	0.863935	UP	548.3062	548.3059	548.3065	42.366	42.3375
3831	M419T17	18.92753	4.242414	1.306856	0.261326	0.863935	UP	419.1698	419.1697	419.1699	17.05933	17.05867
3832	M887T10_	1.218759	-0.28541	-1.20868	0.261408	0.863935	DOWN	886.5597	886.5587	886.5604	10.2013	10.10718
3833	M450T11_	2.175639	1.121439	1.290856	0.261416	0.863935	UP	450.1471	450.1466	450.1472	10.90068	10.8214
3834	M289T23_	1.083715	-0.11599	-1.24658	0.261425	0.863935	DOWN	289.2926	289.2925	289.2928	22.90033	22.88567
3835	M677T10_	1.238388	-0.30846	-1.26647	0.261442	0.863935	DOWN	676.6953	676.6949	676.6965	9.847133	9.73145
3836	M411T10_	1.238577	-0.30868	-1.2083	0.261443	0.863935	DOWN	410.638	410.6374	410.6382	9.910075	9.811217
3837	M476T9_7	1.797785	0.846221	1.21765	0.261653	0.863936	UP	475.9159	475.9127	475.9188	9.314042	9.158833
3838	M344T25	18.00891	4.170639	1.305648	0.261658	0.863936	UP	344.243	344.2428	344.25	25.08733	24.98667
3839	M824T11	1.316337	-0.39653	-1.24806	0.261684	0.863936	DOWN	823.8763	823.8753	823.8776	10.90659	10.89125
3840	M838T10_	1.305047	-0.3841	-1.23542	0.261827	0.863936	DOWN	838.3683	838.3675	838.3686	9.969925	9.8753
3841	M472T9_1	1.28323	-0.35978	-1.20709	0.261921	0.863936	DOWN	472.4241	472.4235	472.4252	9.294925	9.129317
3842	M226T10_	1.414285	0.500073	1.255793	0.261963	0.863936	UP	225.975	225.9749	225.9751	9.908617	9.811217
3843	M370T10_	2.516795	1.331588	1.254578	0.26211	0.863936	UP	369.6219	369.6216	369.6221	9.949233	9.827283
3844	M621T12	1.247118	0.318599	1.20672	0.262121	0.863936	UP	621.459	621.458	621.4595	11.76543	11.73695
3845	M847T10_	1.108207	-0.14823	-1.21377	0.262137	0.863936	DOWN	846.9791	846.9784	846.9794	9.924308	9.827283
3846	M611T25	5.586992	-2.48207	-1.30151	0.262167	0.863936	DOWN	611.4156	611.415	611.4164	25.16033	25.1025
3847	M414T24	8.899441	-3.15371	-1.30182	0.262203	0.863936	DOWN	413.7998	413.799	413.7998	24.33233	24.28767
3848	M660T11	1.746402	0.804386	1.206127	0.262231	0.863936	UP	660.0517	660.0516	660.0546	10.89125	10.87765
3849	M371T10_	1.271723	-0.34678	-1.21189	0.262249	0.863936	DOWN	371.4334	371.4333	371.4335	9.986767	9.8753

3850	M160T9_2	1.387435	-0.47242	-1.20588	0.262317	0.863936	DOWN	159.8703	159.8701	159.8706	9.375425	9.280767
3851	M564T11_	1.351395	-0.43445	-1.2119	0.262343	0.863936	DOWN	564.3419	564.3411	564.3432	10.66079	10.61512
3852	M727T10_	1.353146	-0.43632	-1.22111	0.26238	0.863936	DOWN	727.3699	727.3688	727.3709	9.8207	9.696683
3853	M769T12_	1.391098	-0.47622	-1.22535	0.262405	0.863936	DOWN	768.7356	768.7353	768.7361	12.23053	12.17992
3854	M455T9_6	1.503262	0.588096	1.286956	0.262446	0.863936	UP	454.7943	454.7907	454.8028	9.338567	9.161683
3855	M332T17_	404.4128	8.659685	1.303048	0.262506	0.863937	UP	332.2795	332.2793	332.2795	16.57802	16.56082
3856	M580T9_3	1.233482	-0.30274	-1.20553	0.262513	0.863937	DOWN	579.9644	579.961	579.9657	9.198567	9.129317
3857	M358T10_	1.085801	-0.11876	-1.26904	0.262524	0.863937	DOWN	357.519	357.5187	357.5192	9.8207	9.715683
3858	M469T10_	1.314589	-0.39461	-1.20648	0.262594	0.863937	DOWN	468.8044	468.8039	468.8063	9.839008	9.699733
3859	M355T40_	1.208093	0.272731	1.296791	0.262633	0.863937	UP	355.2113	355.2113	355.2115	40.06433	39.96517
3860	M312T21	657.2247	9.360243	1.302565	0.262656	0.863937	UP	312.2532	312.253	312.2533	20.85217	20.84967
3861	M780T10_	1.3271	-0.40828	-1.20886	0.262694	0.863937	DOWN	779.6108	779.6106	779.6126	10.01633	9.90755
3862	M745T10_	1.245575	-0.31681	-1.21396	0.262778	0.863937	DOWN	745.4189	745.4187	745.4192	9.563592	9.46325
3863	M827T10_	1.254037	0.32658	1.204401	0.262879	0.863937	UP	827.2417	827.2412	827.2428	9.950283	9.843367
3864	M536T41_	1.202264	0.265754	1.296864	0.26288	0.863937	UP	536.3062	536.3059	536.3064	41.158	41.12883
3865	M658T21	1.20398	-0.26781	-1.22817	0.262958	0.863937	DOWN	658.4736	658.4734	658.4741	21.01417	21.0075
3866	M679T9	1.69982	-0.76538	-1.2409	0.263013	0.863937	DOWN	679.3536	679.3535	679.3539	8.813067	8.686867
3867	M217T22_	1.227102	-0.29525	-1.20736	0.263039	0.863937	DOWN	217.1795	217.1794	217.1796	22.48783	22.46617
3868	M787T11_	1.326501	0.407626	1.205494	0.263084	0.863937	UP	786.8766	786.8727	786.8767	10.85983	10.82972
3869	M353T13_	1.268299	-0.34289	-1.21816	0.263207	0.863937	DOWN	352.7876	352.7875	352.7878	12.51412	12.49947
3870	M435T11_	1.505418	0.590164	1.288868	0.263231	0.863937	UP	435.3064	435.3062	435.3075	10.90765	10.879
3871	M350T10_	1.446836	-0.5329	-1.20339	0.263237	0.863937	DOWN	349.9884	349.9882	349.9902	9.842	9.715683
3872	M296T21	589.6521	9.20372	1.300458	0.263309	0.863938	UP	296.2583	296.2582	296.2585	20.52067	20.4905
3873	M850T10_	1.293422	-0.37119	-1.23514	0.26336	0.863938	DOWN	849.7091	849.7086	849.7099	9.9014	9.822117
3874	M296T29	129.2872	7.014435	1.300121	0.263412	0.863938	UP	296.2582	296.2582	296.2583	29.43	29.42933
3875	M759T11_	1.162045	-0.21667	-1.22183	0.26344	0.863938	DOWN	759.0648	759.0637	759.0649	10.91371	10.879
3876	M247T11_	1.238446	-0.30853	-1.20727	0.263632	0.863938	DOWN	247.2188	247.2187	247.2191	10.89308	10.88747
3877	M523T11_	1.341238	-0.42357	-1.20189	0.263774	0.863938	DOWN	522.7883	522.7878	522.7895	10.90522	10.85018
3878	M530T10_	1.405946	-0.49154	-1.25504	0.263902	0.863938	DOWN	529.6462	529.6458	529.6483	10.25792	10.10718
3879	M241T11_	1.110565	-0.15129	-1.20444	0.263984	0.863938	DOWN	241.1908	241.1899	241.191	10.90765	10.66775
3880	M525T9_2	1.288691	-0.36591	-1.20912	0.264001	0.863938	DOWN	524.81	524.8093	524.8103	9.2585	9.159717
3881	M333T10_	1.168916	-0.22517	-1.29418	0.264079	0.863938	DOWN	332.5778	332.5777	332.5782	9.83535	9.715683
3882	M177T9_7	5.14825	2.364082	1.292437	0.264199	0.863939	UP	177.1422	177.1421	177.1427	9.215475	9.158833
3883	M170T10_	1.309503	-0.38902	-1.21665	0.264254	0.863939	DOWN	170.4389	170.4389	170.4451	9.81635	9.715683
3884	M384T10_	1.256909	-0.32988	-1.2023	0.264294	0.863939	DOWN	383.6293	383.6291	383.6297	9.6536	9.6413

3885	M1175T10	1.272152	0.347271	1.202489	0.264296	0.863939	UP	1174.788	1174.786	1174.789	9.887133	9.779267
3886	M339T10_	1.187114	-0.24746	-1.24625	0.264359	0.863939	DOWN	338.5081	338.5078	338.5083	9.825492	9.715683
3887	M690T10_	1.298605	0.376963	1.268568	0.264391	0.863939	UP	690.492	690.4914	690.4926	10.41845	10.3771
3888	M1769T10	1.236584	0.30636	1.218634	0.264398	0.863939	UP	1768.509	1768.507	1768.511	9.8374	9.715683
3889	M498T9_9	1.268355	-0.34296	-1.20039	0.264482	0.863939	DOWN	498.1961	498.1949	498.1968	9.280992	9.129317
3890	M285T7_1	1.965279	-0.97473	-1.24519	0.264563	0.863939	DOWN	284.9097	284.9096	284.9098	7.23985	7.039883
3891	M632T25	1.771119	-0.82466	-1.22007	0.26461	0.863939	DOWN	632.4579	632.4568	632.458	24.7685	24.75367
3892	M416T43_	1.300309	0.378854	1.286717	0.264619	0.863939	UP	416.2639	416.2639	416.264	42.8985	42.6395
3893	M1750T10	1.305092	-0.38415	-1.20469	0.264641	0.863939	DOWN	1749.578	1749.574	1749.581	9.956417	9.843367
3894	M686T10_	2.36289	1.240552	1.285005	0.264666	0.863939	UP	685.9732	685.9646	685.9741	9.830283	9.743767
3895	M537T10_	1.303766	-0.38269	-1.23613	0.264705	0.863939	DOWN	537.2198	537.2192	537.22	9.9754	9.8914
3896	M336T10_	1.44136	0.527431	1.243524	0.26476	0.863939	UP	335.7743	335.774	335.7746	9.970617	9.8753
3897	M363T9_2	1.131222	-0.17788	-1.24383	0.264761	0.863939	DOWN	363.4886	363.4879	363.4887	8.98515	8.892117
3898	M329T11_	2.661763	1.412382	1.294507	0.26478	0.863939	UP	329.2759	329.2756	329.2799	10.93708	10.879
3899	M228T9_9	1.452528	-0.53857	-1.19961	0.264788	0.863939	DOWN	228.0336	228.0335	228.0337	9.36175	9.25985
3900	M265T11_	1.31612	0.396292	1.201824	0.26479	0.863939	UP	264.8135	264.8131	264.814	10.84835	10.8214
3901	M315T9_2	1.233108	-0.3023	-1.21978	0.264894	0.863939	DOWN	314.649	314.6487	314.6494	9.295167	9.129317
3902	M479T10_	1.326791	-0.40794	-1.20724	0.264968	0.863939	DOWN	479.0405	479.0401	479.0412	9.831517	9.715683
3903	M340T10_	2.021322	-1.0153	-1.19865	0.265056	0.86394	DOWN	340.2739	340.2709	340.2773	9.922467	9.801833
3904	M303T10_	1.306419	-0.38562	-1.23872	0.265091	0.86394	DOWN	303.3387	303.3386	303.3387	9.97155	9.8753
3905	M457T13_	1.106006	-0.14536	-1.1993	0.265174	0.86394	DOWN	457.3611	457.3609	457.3613	13.22937	13.21485
3906	M822T12	1.388013	-0.47302	-1.24797	0.265206	0.86394	DOWN	822.4236	822.4229	822.4246	11.96045	11.91478
3907	M313T22_	141.6246	7.145928	1.294332	0.265219	0.86394	UP	313.2565	313.2565	313.2567	21.909	21.905
3908	M750T10_	3.765511	1.912846	1.292048	0.26524	0.86394	UP	749.9405	749.9382	749.9414	9.856867	9.73145
3909	M609T9_1	1.489086	-0.57443	-1.19792	0.265266	0.86394	DOWN	608.6892	608.6883	608.6945	9.3735	9.1322
3910	M572T10_	1.228545	-0.29695	-1.22215	0.265301	0.86394	DOWN	571.6972	571.6966	571.6975	9.910075	9.811217
3911	M809T11_	1.128539	-0.17446	-1.25403	0.265317	0.86394	DOWN	808.7	808.6989	808.7006	10.9127	10.879
3912	M302T11_	1.553978	-0.63597	-1.23475	0.265331	0.86394	DOWN	302.1748	302.1745	302.1751	10.71897	10.69123
3913	M314T12	1.160017	0.214146	1.216904	0.265365	0.86394	UP	314.269	314.2688	314.2693	11.91478	11.86065
3914	M283T10_	1.311085	-0.39076	-1.24672	0.265368	0.86394	DOWN	282.6595	282.6593	282.6671	9.8322	9.715683
3915	M1048T10	1.24914	0.320935	1.20462	0.265449	0.86394	UP	1048.351	1048.348	1048.353	9.8284	9.681183
3916	M343T19_	1.254899	-0.32757	-1.21036	0.265461	0.86394	DOWN	343.2378	343.2375	343.2381	19.11117	19.09517
3917	M1113T10	1.234633	-0.30408	-1.20185	0.265525	0.86394	DOWN	1113.393	1113.392	1113.394	9.827483	9.665433
3918	M338T9_4	1.828803	0.870899	1.277133	0.265574	0.86394	UP	337.8853	337.8802	337.8856	9.46855	9.11405
3919	M621T9_7	1.845769	-0.88422	-1.23688	0.265581	0.86394	DOWN	621.444	621.4437	621.4448	8.78295	8.703817



3920	M550T9_4	1.658008	0.729451	1.208434	0.265612	0.86394	UP	550.4467	550.4433	550.4493	9.176533	9.129317
3921	M358T43_	1.548662	-0.63102	-1.19668	0.265767	0.86394	DOWN	358.2222	358.2221	358.2223	43.02083	42.79783
3922	M493T9_5	1.344029	-0.42656	-1.1963	0.265828	0.86394	DOWN	493.3668	493.3665	493.3675	9.18975	9.129317
3923	M1279T45	1.194892	0.25688	1.196774	0.265927	0.863941	UP	1278.857	1278.855	1278.859	44.82533	44.79667
3924	M386T10_	2.294912	-1.19844	-1.21361	0.265949	0.863941	DOWN	385.9991	385.9988	386.0008	9.92625	9.9014
3925	M329T11_	1.475696	0.561396	1.226139	0.26598	0.863941	UP	328.5326	328.5319	328.5345	10.89907	10.879
3926	M761T10_	1.250701	-0.32274	-1.2023	0.265988	0.863941	DOWN	761.3932	761.3924	761.3937	9.567617	9.46325
3927	M354T45	1.018827	-0.02691	-1.21703	0.266013	0.863941	DOWN	354.3446	354.3444	354.3447	44.696	44.68167
3928	M352T9_3	4.209412	-2.07362	-1.28777	0.266019	0.863941	DOWN	351.9807	351.9805	351.9938	8.983883	8.924217
3929	M196T10_	96.28163	6.589189	1.291549	0.26609	0.863941	UP	196.1331	196.133	196.1332	10.20787	10.18683
3930	M1249T11	1.220624	-0.28762	-1.19777	0.266101	0.863941	DOWN	1249.023	1249.02	1249.025	10.93208	10.873
3931	M343T22	1.631161	-0.7059	-1.20541	0.266157	0.863941	DOWN	342.7398	342.7395	342.7402	22.13958	22.03
3932	M371T10_	1.25731	0.33034	1.201911	0.266179	0.863941	UP	371.2073	371.2028	371.2163	9.8207	9.507167
3933	M232T10_	1.39011	0.475199	1.201369	0.266245	0.863941	UP	231.8679	231.8676	231.868	9.983467	9.8753
3934	M153T10_	1.687796	-0.75514	-1.1958	0.266253	0.863941	DOWN	153.4424	153.442	153.4427	9.844642	9.8322
3935	M508T40_	1.125598	-0.17069	-1.21303	0.266286	0.863941	DOWN	508.3113	508.311	508.3114	40.06433	39.90617
3936	M462T10_	1.879004	0.909968	1.274337	0.266308	0.863941	UP	461.9413	461.941	461.9418	9.772833	9.665433
3937	M325T14	1.393175	0.478376	1.216137	0.266318	0.863941	UP	325.162	325.1619	325.1623	13.56607	13.2008
3938	M310T26	25.78537	4.688481	1.290816	0.266319	0.863941	UP	310.2374	310.2373	310.2376	26.1485	26.14517
3939	M522T10_	1.158462	-0.21221	-1.19498	0.266333	0.863941	DOWN	521.8466	521.8462	521.8476	9.917167	9.79535
3940	M953T11_	1.370075	-0.45425	-1.20687	0.266334	0.863941	DOWN	953.4626	953.4623	953.4636	10.93208	10.9049
3941	M201T43_	1.312601	0.392429	1.251227	0.266451	0.863941	UP	201.1118	201.1118	201.1119	43.19283	42.94167
3942	M298T9_2	1.294152	-0.37201	-1.19488	0.266616	0.863941	DOWN	298.2505	298.2493	298.2514	9.322667	9.1322
3943	M1404T10	1.251381	0.323522	1.19703	0.266707	0.863941	UP	1404.14	1404.136	1404.141	9.94405	9.8378
3944	M578T44_	1.135323	0.183102	1.253899	0.266735	0.863941	UP	578.3169	578.3168	578.3172	43.87358	43.70383
3945	M206T9_2	1.560881	-0.64236	-1.1963	0.266917	0.863942	DOWN	206.1748	206.174	206.1755	9.294883	9.061
3946	M349T10_	1.06054	-0.0848	-1.2371	0.266919	0.863942	DOWN	348.7122	348.712	348.7123	9.825492	9.715683
3947	M161T10_	1.224995	-0.29278	-1.21803	0.266934	0.863942	DOWN	161.1088	161.1087	161.109	9.8207	9.715683
3948	M1173T10	1.11876	0.161901	1.193207	0.266973	0.863942	UP	1172.514	1172.513	1172.515	9.853633	9.743667
3949	M474T11_	3.590851	1.844326	1.275287	0.266993	0.863942	UP	474.1349	474.1348	474.1353	10.83417	10.8214
3950	M1480T10	1.520094	-0.60416	-1.22764	0.267015	0.863942	DOWN	1480.155	1480.152	1480.156	9.903567	9.806367
3951	M497T10_	1.296951	-0.37512	-1.23972	0.267108	0.863942	DOWN	497.3244	497.324	497.3248	9.8207	9.699733
3952	M185T10_	1.573206	0.653707	1.217469	0.267144	0.863942	UP	185.0901	185.0899	185.0902	9.975217	9.859233
3953	M725T10_	1.23396	-0.3033	-1.22832	0.267152	0.863942	DOWN	725.2078	725.2056	725.2086	9.83535	9.715683
3954	M385T10_	1.187759	-0.24824	-1.24405	0.267164	0.863942	DOWN	384.9576	384.9575	384.9579	9.97155	9.859233

3955	M451T9_5	1.527743	-0.6114	-1.21051	0.267187	0.863942	DOWN	451.0075	451.006	451.0092	9.265675	9.129317
3956	M477T22	2.215888	1.147885	1.264515	0.267257	0.863942	UP	477.3394	477.3315	477.34	21.53733	21.26517
3957	M341T10_	1.115605	-0.15783	-1.22549	0.267302	0.863942	DOWN	340.7608	340.7606	340.761	9.879483	9.779267
3958	M550T12	14.27421	3.835339	1.287587	0.267318	0.863942	UP	550.3464	550.3459	550.3466	11.76648	11.73907
3959	M415T28	1.696414	0.762488	1.206192	0.267325	0.863942	UP	414.7573	414.7567	414.7576	27.96817	27.8945
3960	M524T9_3	1.760231	-0.81576	-1.22677	0.267335	0.863942	DOWN	523.9285	523.928	523.9292	9.357033	9.264333
3961	M402T27_	1.717716	-0.78049	-1.21368	0.267344	0.863942	DOWN	401.7962	401.7957	401.7965	26.78333	26.75167
3962	M333T11_	1.614235	0.69085	1.262403	0.267382	0.863942	UP	333.2238	333.215	333.2243	10.88234	10.6323
3963	M435T11_	1.289566	-0.36689	-1.22485	0.267445	0.863942	DOWN	435.2197	435.2196	435.2198	10.90548	10.879
3964	M747T4	1.497744	0.582791	1.196238	0.267487	0.863942	UP	747.4623	747.4619	747.4631	3.542042	3.4619
3965	M350T9_1	1.485932	-0.57137	-1.19787	0.267575	0.863942	DOWN	350.2677	350.2675	350.2679	9.306083	9.234417
3966	M296T11_	1.355557	-0.43889	-1.21404	0.267582	0.863942	DOWN	295.8751	295.8748	295.8755	10.90765	10.879
3967	M309T13_	1.56964	0.650433	1.230411	0.267598	0.863942	UP	309.1308	309.1306	309.1311	12.75588	12.41563
3968	M242T10_	4.886235	2.288723	1.286116	0.267617	0.863942	UP	242.1383	242.1379	242.1385	9.551608	9.52595
3969	M457T10_	1.22776	-0.29603	-1.2348	0.267639	0.863942	DOWN	457.4525	457.4519	457.4538	9.758608	9.729367
3970	M174T10_	1.305674	-0.3848	-1.26528	0.267716	0.863943	DOWN	173.824	173.824	173.8241	9.914217	9.811217
3971	M1890T10	1.216068	-0.28222	-1.21943	0.267808	0.863943	DOWN	1889.532	1889.53	1889.536	9.8207	9.728083
3972	M867T9	1.199904	-0.26292	-1.19676	0.267809	0.863943	DOWN	866.557	866.5558	866.5583	8.952633	8.90715
3973	M329T9_4	1.446665	-0.53273	-1.192	0.26781	0.863943	DOWN	329.215	329.2142	329.2152	8.954108	8.89395
3974	M243T44_	1.514002	0.598367	1.191239	0.26781	0.863943	UP	243.1588	243.1586	243.1589	44.049	43.70383
3975	M1983T10	1.234186	-0.30356	-1.19331	0.267849	0.863943	DOWN	1983.107	1983.105	1983.114	9.8397	9.728083
3976	M245T10_	1.343002	-0.42546	-1.19821	0.267919	0.863943	DOWN	244.9842	244.984	244.9941	9.946467	9.8378
3977	M674T28	1.202312	-0.26581	-1.19854	0.267969	0.863943	DOWN	674.4685	674.4682	674.4689	28.23067	28.186
3978	M520T9_1	1.484543	-0.57002	-1.20119	0.267975	0.863943	DOWN	519.5046	519.5005	519.5094	9.250817	9.1178
3979	M505T11_	2.123702	1.086581	1.27544	0.268036	0.863943	UP	505.0702	505.0696	505.0709	10.88416	10.84828
3980	M818T13	1.327312	-0.40851	-1.25013	0.268066	0.863943	DOWN	818.4022	818.4019	818.4028	12.96697	12.95183
3981	M1230T10	1.183965	0.243626	1.238974	0.268139	0.863943	UP	1229.601	1229.599	1229.602	9.823575	9.699733
3982	M626T9_2	1.423056	0.508993	1.195408	0.26828	0.863943	UP	625.8387	625.8372	625.8391	9.224517	9.03845
3983	M875T10	1.297334	-0.37555	-1.22604	0.268355	0.863943	DOWN	875.4838	875.4825	875.4839	10.40425	10.35992
3984	M1880T10	2.639376	1.400197	1.280036	0.268421	0.863943	UP	1880.072	1880.069	1880.079	9.82645	9.743767
3985	M410T20	1.433475	-0.51952	-1.18958	0.268542	0.863944	DOWN	410.3372	410.3367	410.338	20.2525	20.17233
3986	M199T9_4	1.416499	-0.50233	-1.2217	0.268629	0.863944	DOWN	198.9449	198.9423	198.9451	9.404958	9.250817
3987	M681T10_	1.935488	0.952697	1.19235	0.268658	0.863944	UP	680.5468	680.5396	680.5526	9.853633	9.743667
3988	M536T10_	1.194435	-0.25633	-1.1887	0.26884	0.863944	DOWN	536.4988	536.4985	536.4999	9.929017	9.822117
3989	M355T19_	1.229206	-0.29773	-1.20364	0.268894	0.863944	DOWN	355.2377	355.2375	355.2381	19.04067	19.038

3990	M381T9_4	1.353037	-0.4362	-1.21057	0.268932	0.863944	DOWN	380.6063	380.6054	380.6087	9.29345	9.129317
3991	M413T15_	1.164072	-0.21918	-1.20276	0.268969	0.863944	DOWN	413.277	413.2768	413.2771	15.2927	15.26215
3992	M676T10_	2.415256	-1.27218	-1.26761	0.26899	0.863944	DOWN	676.0601	676.0591	676.0606	9.821275	9.699733
3993	M301T10_	1.377456	-0.46201	-1.19391	0.268995	0.863944	DOWN	301.0361	301.036	301.0362	9.915583	9.811217
3994	M451T9_1	1.366974	-0.45099	-1.19563	0.268998	0.863944	DOWN	450.5402	450.5396	450.5413	9.24215	9.129317
3995	M353T45_	1.019419	-0.02775	-1.19843	0.268999	0.863944	DOWN	353.3412	353.341	353.3413	44.70317	44.68167
3996	M199T13	1.494429	0.579594	1.19305	0.269093	0.863944	UP	199.1519	199.1518	199.152	12.60157	12.55835
3997	M704T10_	1.14129	-0.19066	-1.21965	0.269203	0.863944	DOWN	703.9827	703.982	703.983	9.858983	9.73145
3998	M379T10_	1.130475	-0.17693	-1.18712	0.269256	0.863944	DOWN	379.1648	379.1645	379.1656	9.924308	9.811217
3999	M206T9_1	1.451659	-0.5377	-1.18829	0.269367	0.863944	DOWN	206.1004	206.1	206.1006	8.686867	8.521733
4000	M891T10_	1.307435	-0.38674	-1.20151	0.26942	0.863944	DOWN	890.8523	890.8517	890.8527	9.61185	9.49445
4001	M390T9_1	1.18403	-0.24371	-1.21149	0.269448	0.863945	DOWN	389.5881	389.588	389.5887	9.041133	8.941383
4002	M633T10_	1.139071	-0.18786	-1.19426	0.269466	0.863945	DOWN	633.4592	633.4588	633.4594	10.38894	10.32768
4003	M358T10_	1.256538	-0.32945	-1.197	0.269503	0.863945	DOWN	357.9014	357.9012	357.9018	9.8207	9.715683
4004	M320T11_	1.327053	0.408227	1.258984	0.269531	0.863945	UP	319.8484	319.848	319.8485	10.90765	10.879
4005	M234T10_	1.802418	-0.84993	-1.18741	0.269588	0.863945	DOWN	234.1333	234.1256	234.1335	9.634325	9.509533
4006	M622T37_	1.302427	-0.3812	-1.26196	0.26962	0.863945	DOWN	622.3436	622.3434	622.3438	37.31592	37.20133
4007	M733T10_	1.266698	-0.34107	-1.20586	0.26964	0.863945	DOWN	732.8932	732.8927	732.8932	9.967367	9.8753
4008	M673T10_	1.305006	0.384057	1.185915	0.269683	0.863945	UP	673.1467	673.1462	673.1474	9.82645	9.76065
4009	M471T9_4	1.364536	-0.44841	-1.21784	0.2697	0.863945	DOWN	471.1244	471.1239	471.1277	9.255333	8.918933
4010	M574T11_	1.352363	-0.43548	-1.23671	0.269776	0.863945	DOWN	574.3908	574.39	574.3914	10.90984	10.84767
4011	M746T10_	1.185787	-0.24584	-1.19795	0.269783	0.863945	DOWN	746.4647	746.4645	746.465	10.39556	10.32768
4012	M762T10_	1.312202	-0.39199	-1.24363	0.269783	0.863945	DOWN	761.7917	761.791	761.7924	9.91875	9.811217
4013	M454T21	1.550645	-0.63287	-1.22824	0.269881	0.863945	DOWN	454.3465	454.3461	454.3467	20.72233	20.56217
4014	M450T10_	2.257501	1.174726	1.231687	0.269967	0.863945	UP	450.1406	450.1405	450.1408	9.946083	9.90755
4015	M245T10_	1.272262	-0.3474	-1.18937	0.269974	0.863945	DOWN	245.3	245.2998	245.3005	9.955875	9.843367
4016	M546T41_	1.143798	-0.19383	-1.24773	0.269996	0.863945	DOWN	546.327	546.3268	546.3271	41.25858	41.22967
4017	M306T9_3	3.464556	-1.79267	-1.25983	0.270061	0.863945	DOWN	306.0177	306.0176	306.0178	9.275917	9.219483
4018	M472T10_	1.331238	-0.41277	-1.19461	0.270121	0.863945	DOWN	472.4805	472.4796	472.4808	9.970617	9.859233
4019	M564T39_	1.202798	0.266395	1.247495	0.270138	0.863945	UP	564.3012	564.3009	564.3015	39.266	39.04283
4020	M290T10_	1.364202	-0.44806	-1.20362	0.270163	0.863945	DOWN	290.2673	290.2672	290.2674	9.968992	9.8914
4021	M245T9_5	1.360811	-0.44447	-1.19352	0.270188	0.863945	DOWN	245.1496	245.1492	245.1498	8.9459	8.892117
4022	M446T43_	1.604569	0.682186	1.217182	0.270201	0.863945	UP	446.2744	446.2744	446.2746	42.83383	42.6395
4023	M435T9_1	1.312959	-0.39282	-1.19175	0.270387	0.863946	DOWN	435.4882	435.488	435.4887	9.25985	9.129317
4024	M1232T10	1.205959	-0.27018	-1.26899	0.27039	0.863946	DOWN	1231.93	1231.928	1231.932	9.811408	9.699733

4025	M373T9_1	1.797815	-0.84624	-1.2578	0.2704	0.863946	DOWN	372.5374	372.5369	372.5375	9.10275	9.03845
4026	M542T28_	1.169943	-0.22644	-1.20948	0.270449	0.863946	DOWN	542.3894	542.389	542.3895	28.14192	28.0835
4027	M414T9_1	1.831346	-0.8729	-1.20737	0.270461	0.863946	DOWN	414.3416	414.339	414.3423	9.270683	9.129317
4028	M321T35	1.09386	-0.12943	-1.24631	0.27047	0.863946	DOWN	321.2786	321.2786	321.2787	35.38733	35.38683
4029	M279T10_	1.429513	0.515523	1.245964	0.270565	0.863946	UP	279.2818	279.2814	279.2891	9.979325	9.8753
4030	M868T10_	1.446948	-0.53301	-1.18379	0.270622	0.863946	DOWN	868.4403	868.4394	868.4417	10.44697	10.43285
4031	M274T18	1.757194	-0.81327	-1.22517	0.270624	0.863946	DOWN	274.1832	274.1831	274.1832	18.04183	18.02567
4032	M308T9_1	1.445591	-0.53166	-1.22938	0.27063	0.863946	DOWN	307.7908	307.7906	307.7911	8.9459	8.863633
4033	M1401T10	1.350486	0.433479	1.193757	0.270648	0.863946	UP	1400.756	1400.753	1400.76	9.930908	9.827283
4034	M326T10_	2.113295	-1.07949	-1.21523	0.270672	0.863946	DOWN	325.8144	325.8138	325.8167	9.512983	9.416817
4035	M675T23	1.284505	-0.36121	-1.2029	0.270683	0.863946	DOWN	674.5049	674.5045	674.5051	23.103	23.04483
4036	M388T10_	1.433226	-0.51927	-1.24695	0.270696	0.863946	DOWN	388.0919	388.0914	388.0922	9.91765	9.811217
4037	M244T10_	1.563145	-0.64445	-1.19336	0.270764	0.863946	DOWN	244.4335	244.4334	244.4335	9.928458	9.8378
4038	M723T10_	1.118437	-0.16148	-1.18833	0.270859	0.863946	DOWN	723.4056	723.4049	723.4065	9.830283	9.715683
4039	M204T30	1.127849	0.173574	1.183555	0.270866	0.863946	UP	204.1097	204.1096	204.1098	29.834	29.81917
4040	M784T9	1.431889	-0.51792	-1.21213	0.27097	0.863946	DOWN	783.8497	783.8494	783.8503	9.3332	9.234417
4041	M219T9_4	1.405308	-0.49089	-1.21764	0.271015	0.863946	DOWN	218.8192	218.8182	218.8207	9.295167	9.07525
4042	M204T10_	2.094176	1.066383	1.270265	0.271042	0.863946	UP	203.925	203.9249	203.9327	9.983467	9.8914
4043	M248T9_1	1.355205	-0.43851	-1.18505	0.271118	0.863946	DOWN	247.7667	247.7661	247.7671	8.954142	8.832317
4044	M299T19	3.032644	1.600576	1.262301	0.271147	0.863946	UP	299.1821	299.1814	299.1827	18.98033	18.9675
4045	M614T10_	1.473038	0.558794	1.239597	0.271147	0.863946	UP	613.8283	613.8253	613.8308	9.92625	9.827283
4046	M657T10_	1.481798	0.567348	1.261458	0.271179	0.863946	UP	656.6825	656.6817	656.6838	9.831517	9.715683
4047	M784T11_	1.546671	-0.62917	-1.22832	0.271182	0.863946	DOWN	783.7224	783.7219	783.7228	10.84838	10.8214
4048	M534T39_	1.325213	-0.40622	-1.19051	0.271336	0.863947	DOWN	534.3268	534.3267	534.3271	38.561	38.309
4049	M589T25	6.157827	-2.62242	-1.27451	0.271373	0.863947	DOWN	589.4027	589.4025	589.4029	25.05567	25.0445
4050	M642T9_3	1.346496	-0.42921	-1.21173	0.271452	0.863947	DOWN	642.0267	642.0261	642.0271	9.498117	9.416817
4051	M270T11_	1.129361	-0.17551	-1.18882	0.271607	0.863947	DOWN	270.4805	270.4802	270.4807	10.90659	10.89355
4052	M408T10_	1.410468	-0.49617	-1.18131	0.271625	0.863947	DOWN	407.6015	407.6013	407.6016	9.816317	9.696683
4053	M360T38	1.102606	0.140918	1.23155	0.271642	0.863947	UP	360.3623	360.3621	360.3625	38.16533	38.13667
4054	M229T10_	1.772506	-0.82579	-1.2138	0.271787	0.863947	DOWN	229.0963	229.0956	229.0969	9.82645	9.715683
4055	M403T11_	1.878045	0.909232	1.181137	0.27179	0.863947	UP	403.0595	403.0593	403.06	10.91299	10.9049
4056	M639T10_	1.285749	-0.36261	-1.22502	0.271797	0.863947	DOWN	638.7786	638.778	638.7788	9.508883	9.40135
4057	M270T10_	1.133875	0.181262	1.185403	0.271875	0.863947	UP	269.822	269.8219	269.8222	9.82645	9.715683
4058	M683T11_	1.157312	-0.21078	-1.18765	0.27205	0.863947	DOWN	682.5025	682.5018	682.5029	10.98193	10.95095
4059	M198T9_1	1.412566	-0.49832	-1.20511	0.272083	0.863947	DOWN	197.6601	197.6599	197.6603	9.321425	9.20785

4060	M1029T10	1.433861	-0.5199	-1.18003	0.272137	0.863947	DOWN	1028.678	1028.677	1028.679	9.505758	9.432533
4061	M365T18_	1.794738	0.843774	1.179628	0.272139	0.863948	UP	365.1695	365.1692	365.1698	17.74533	17.72017
4062	M789T10_	1.241515	-0.3121	-1.18474	0.2723	0.863948	DOWN	789.4458	789.4453	789.4463	9.645292	9.52595
4063	M200T23	1.242603	-0.31337	-1.18203	0.272355	0.863948	DOWN	200.237	200.2369	200.2371	23.42517	23.4095
4064	M602T10_	1.395983	-0.48128	-1.21437	0.272361	0.863948	DOWN	602.3597	602.3575	602.3611	10.23695	10.18653
4065	M388T9_3	3.524939	-1.8176	-1.26273	0.272537	0.863948	DOWN	388.4228	388.4228	388.4249	9.1175	9.111033
4066	M508T11_	1.500195	-0.58515	-1.20925	0.272577	0.863948	DOWN	508.3256	508.3251	508.326	10.73763	10.7223
4067	M731T10_	1.252175	-0.32444	-1.21843	0.272601	0.863948	DOWN	731.2171	731.2091	731.2178	9.77355	9.699733
4068	M702T7	6.976243	-2.80245	-1.27011	0.272641	0.863948	DOWN	702.4964	702.4963	702.4967	6.8924	6.8413
4069	M702T9_2	1.232616	-0.30172	-1.18952	0.272691	0.863948	DOWN	702.3958	702.3953	702.396	9.490958	9.38595
4070	M456T10_	2.275709	1.186316	1.231718	0.272702	0.863948	UP	456.0969	456.0882	456.0971	10.13518	9.960817
4071	M221T11_	1.215223	-0.28122	-1.22377	0.272829	0.863948	DOWN	220.6107	220.6105	220.6108	10.9198	10.873
4072	M674T9_2	1.277571	-0.3534	-1.17785	0.272835	0.863948	DOWN	673.9574	673.9566	673.9591	9.285867	9.129317
4073	M461T30_	1.167838	-0.22384	-1.18148	0.272873	0.863948	DOWN	461.2869	461.2865	461.2872	30.22483	30.22233
4074	M246T9_3	1.641241	-0.71479	-1.25273	0.272889	0.863948	DOWN	246.1484	246.1483	246.1485	9.340183	9.12675
4075	M282T10_	1.156564	-0.20984	-1.17745	0.27296	0.863948	DOWN	281.8164	281.8163	281.8165	9.888342	9.811217
4076	M288T23_	1.08127	-0.11273	-1.21144	0.272969	0.863948	DOWN	288.2892	288.2891	288.2894	22.90042	22.88567
4077	M507T9_1	1.613892	-0.69054	-1.18255	0.272976	0.863948	DOWN	507.1341	507.1333	507.1344	9.332617	9.26575
4078	M838T11	1.201023	-0.26426	-1.17799	0.273008	0.863948	DOWN	837.9988	837.9975	837.9991	10.64209	10.61337
4079	M620T9_4	1.407465	-0.4931	-1.19088	0.27304	0.863948	DOWN	619.9843	619.9835	619.9849	9.317	9.234417
4080	M343T10_	3.282345	-1.71473	-1.25326	0.273172	0.863949	DOWN	343.3865	343.3782	343.391	9.804067	9.431017
4081	M487T10_	1.369623	-0.45378	-1.18856	0.273302	0.863949	DOWN	486.9588	486.9575	486.962	10.17547	9.995817
4082	M632T10_	1.187229	-0.2476	-1.20006	0.273363	0.863949	DOWN	631.7542	631.7537	631.7546	9.967367	9.859233
4083	M424T10_	1.226722	-0.29481	-1.17607	0.273385	0.863949	DOWN	424.3172	424.3168	424.3279	9.671325	9.370583
4084	M575T10_	1.165564	-0.22103	-1.19573	0.273431	0.863949	DOWN	575.0174	575.0171	575.018	9.90295	9.79535
4085	M354T10_	1.171538	-0.2284	-1.25288	0.273435	0.863949	DOWN	354.1041	354.1038	354.1044	9.825492	9.715683
4086	M350T45_	1.229788	-0.29841	-1.17605	0.273555	0.863949	DOWN	350.2172	350.217	350.2174	44.9835	44.82533
4087	M844T10_	1.575981	-0.65625	-1.17798	0.273644	0.863949	DOWN	844.1985	844.1971	844.1991	9.918833	9.88865
4088	M295T22_	1.192231	-0.25366	-1.18563	0.273714	0.863949	DOWN	295.19	295.1898	295.1902	22.052	22.03783
4089	M229T11_	1.376308	-0.4608	-1.1874	0.273752	0.863949	DOWN	228.7631	228.7631	228.764	10.94208	10.88995
4090	M487T10_	1.20392	-0.26774	-1.18286	0.273863	0.863949	DOWN	486.6267	486.6264	486.6282	10.39278	10.34372
4091	M477T9_5	1.255436	-0.32819	-1.18666	0.273943	0.863949	DOWN	477.0977	477.0974	477.098	9.321425	9.129317
4092	M1038T10	1.188818	-0.24953	-1.21276	0.27397	0.863949	DOWN	1037.739	1037.738	1037.739	9.85525	9.73145
4093	M388T10_	1.334756	-0.41658	-1.22389	0.27397	0.863949	DOWN	387.6427	387.6416	387.6476	9.9351	9.811217
4094	M316T11_	1.022097	-0.03153	1.17791	0.273986	0.86395	DOWN	315.5167	315.5165	315.5167	11.47298	11.46742

4095	M344T9_3	1.45446	-0.54048	-1.21877	0.27399	0.86395	DOWN	343.9101	343.9095	343.9103	9.3332	9.234417
4096	M1759T10	1.318405	-0.39879	-1.17912	0.274077	0.86395	DOWN	1758.714	1758.713	1758.716	9.59825	9.509533
4097	M226T9_9	1.353508	-0.4367	-1.22582	0.274099	0.86395	DOWN	226.4388	226.4372	226.4399	9.30385	9.07145
4098	M653T10_	1.205322	-0.26942	-1.1783	0.274107	0.86395	DOWN	652.8512	652.85	652.8594	9.830283	9.715683
4099	M1725T10	1.269237	0.343961	1.174002	0.274182	0.86395	UP	1725.23	1725.229	1725.233	9.825392	9.715683
4100	M1141T11	1.1924	-0.25387	-1.17802	0.274212	0.86395	DOWN	1140.653	1140.652	1140.653	10.90519	10.879
4101	M420T11_	1.199779	-0.26277	-1.18639	0.274537	0.86395	DOWN	420.0135	420.0133	420.0136	10.90519	10.879
4102	M305T7	1.332693	0.414345	1.173564	0.274615	0.86395	UP	305.1567	305.1565	305.157	6.853483	6.779667
4103	M576T10_	1.267542	-0.34203	-1.21918	0.274712	0.86395	DOWN	576.1556	576.1554	576.156	9.938708	9.827283
4104	M406T14	1.295289	-0.37327	-1.19016	0.274767	0.86395	DOWN	406.2947	406.2944	406.2952	13.79973	13.76973
4105	M200T9_2	2.554365	1.352965	1.256699	0.27477	0.86395	UP	200.4069	200.4061	200.4072	9.279417	9.166033
4106	M321T9_2	1.683564	-0.75152	-1.19528	0.274872	0.86395	DOWN	320.6997	320.6994	320.6999	9.300733	9.220933
4107	M924T11_	1.200055	0.263101	1.181646	0.274893	0.86395	UP	924.2201	924.2186	924.2222	10.90553	10.86008
4108	M477T10_	1.866935	-0.90067	-1.23835	0.275065	0.863951	DOWN	476.7414	476.7412	476.7418	9.74925	9.636483
4109	M185T10_	1.443516	-0.52959	-1.2521	0.275223	0.863951	DOWN	185.1815	185.1815	185.1815	9.918833	9.822117
4110	M382T16_	1.163654	-0.21866	-1.17831	0.275283	0.863951	DOWN	381.7704	381.7703	381.7707	15.53113	15.51198
4111	M526T10_	1.390206	-0.4753	-1.18948	0.275429	0.863951	DOWN	526.4717	526.4715	526.4721	9.970617	9.859233
4112	M333T10_	1.278803	-0.35479	-1.21947	0.275523	0.863951	DOWN	333.1392	333.1387	333.1395	9.839008	9.715683
4113	M425T19	1.625067	0.700499	1.184833	0.275568	0.863951	UP	425.3084	425.3083	425.3089	18.80392	18.77683
4114	M319T10_	2.160784	1.111555	1.251752	0.27568	0.863951	UP	318.5571	318.5565	318.5582	9.848417	9.699733
4115	M387T11_	2.089395	-1.06309	-1.24474	0.275704	0.863951	DOWN	387.2491	387.249	387.2493	11.09168	11.0562
4116	M1098T10	1.336099	-0.41803	-1.19344	0.275713	0.863951	DOWN	1097.524	1097.524	1097.524	9.983467	9.9009
4117	M680T14	1.165082	-0.22043	-1.17467	0.275787	0.863951	DOWN	679.5111	679.5109	679.5112	14.399	14.38542
4118	M326T13	1.153243	-0.2057	-1.17087	0.27582	0.863951	DOWN	326.1497	326.1492	326.1502	12.80607	12.7478
4119	M202T11_	1.124512	-0.1693	-1.17215	0.275846	0.863952	DOWN	202.3955	202.3953	202.3957	10.90659	10.879
4120	M167T10_	1.105047	-0.14411	-1.23716	0.275949	0.863952	DOWN	167.1052	167.1051	167.1068	9.8207	9.696567
4121	M534T40_	1.180404	-0.23928	-1.25091	0.275992	0.863952	DOWN	534.3269	534.3268	534.3271	39.98625	39.9205
4122	M348T10_	1.297086	-0.37527	-1.23365	0.276084	0.863952	DOWN	348.128	348.1278	348.1285	9.830783	9.715683
4123	M373T10_	16.59611	4.052773	1.260084	0.27613	0.863952	UP	373.213	373.2127	373.2166	9.577683	9.47865
4124	M1867T10	1.224346	-0.29201	-1.22365	0.27615	0.863952	DOWN	1867.352	1867.35	1867.353	9.830283	9.715683
4125	M497T10_	1.543667	-0.62636	-1.21485	0.276176	0.863952	DOWN	496.5856	496.5852	496.5858	9.933967	9.8378
4126	M378T10_	1.738419	0.797776	1.234216	0.276272	0.863952	UP	377.6275	377.627	377.6278	9.951283	9.843367
4127	M424T11_	1.570778	-0.65148	-1.18034	0.276275	0.863952	DOWN	423.8769	423.869	423.8787	10.94037	10.89125
4128	M697T10_	1.633525	0.707989	1.193308	0.276301	0.863952	UP	697.1704	697.1697	697.1714	9.851175	9.747533
4129	M317T23	115.3339	6.849672	1.259559	0.276312	0.863952	UP	317.2878	317.2876	317.2878	23.27583	23.24867

4130	M648T21	1.57989	0.659825	1.256456	0.27636	0.863952	UP	648.2928	648.2925	648.2932	21.433	21.37933
4131	M377T9_4	1.325263	-0.40628	-1.19402	0.276362	0.863952	DOWN	376.8355	376.8331	376.8378	9.264792	9.142767
4132	M198T10_	1.315569	-0.39569	-1.21649	0.276382	0.863952	DOWN	197.7016	197.7015	197.7018	9.8207	9.715683
4133	M328T10_	1.735793	0.795595	1.2519	0.276406	0.863952	UP	327.6836	327.6832	327.6838	9.818525	9.715683
4134	M225T10_	2.856635	1.514317	1.252418	0.276431	0.863952	UP	225.4107	225.4105	225.4125	9.956867	9.816167
4135	M454T12	1.221998	-0.28924	-1.19368	0.276434	0.863952	DOWN	454.3461	454.3459	454.3463	11.63592	11.57545
4136	M706T10_	1.668402	0.738467	1.171896	0.276471	0.863952	UP	706.0489	706.0484	706.0576	9.842	9.77435
4137	M787T10_	1.220903	-0.28795	-1.19304	0.276585	0.863952	DOWN	787.2422	787.2417	787.2438	9.9014	9.79535
4138	M313T21	52.87969	5.724642	1.258653	0.276601	0.863952	UP	313.2565	313.2558	313.2565	20.864	20.85467
4139	M1038T10	1.214508	-0.28037	-1.18868	0.27664	0.863952	DOWN	1038.241	1038.24	1038.241	9.847133	9.73145
4140	M395T20_	1.150934	-0.2028	-1.16754	0.276723	0.863952	DOWN	395.3171	395.317	395.3173	20.24517	20.23017
4141	M558T10_	1.245149	-0.31632	-1.16741	0.276753	0.863952	DOWN	557.955	557.9546	557.9573	9.9014	9.779267
4142	M1005T10	1.562484	-0.64384	-1.16738	0.27676	0.863952	DOWN	1004.905	1004.905	1004.906	9.969925	9.956417
4143	M677T36	1.189477	-0.25033	-1.1932	0.276777	0.863952	DOWN	677.4449	677.4447	677.4454	36.33108	36.319
4144	M458T25_	5.455766	-2.44778	-1.25769	0.276836	0.863953	DOWN	457.982	457.9819	457.9831	25.37683	25.32683
4145	M373T9_2	1.38864	-0.47367	-1.19595	0.276863	0.863953	DOWN	372.6844	372.6843	372.6846	9.494433	9.40135
4146	M499T9_6	1.410452	-0.49616	-1.17164	0.276866	0.863953	DOWN	499.1032	499.0996	499.1038	9.2585	9.1503
4147	M298T23	180.9944	7.499801	1.257783	0.276891	0.863953	UP	298.2739	298.2736	298.2739	23.29033	23.26333
4148	M283T10_	2.010549	1.00759	1.249815	0.276942	0.863953	UP	282.9813	282.9811	282.9814	9.9847	9.8753
4149	M378T43_	3.014109	1.591732	1.239216	0.276968	0.863953	UP	378.2482	378.248	378.2482	42.53875	42.43817
4150	M228T9_1	2.438638	-1.28608	-1.24973	0.276999	0.863953	DOWN	228.2413	228.2401	228.243	9.310917	9.11795
4151	M335T9_2	2.963816	1.567456	1.226983	0.27706	0.863953	UP	334.7182	334.7175	334.7185	8.863517	8.818733
4152	M705T10_	1.136005	-0.18397	-1.20189	0.277301	0.863953	DOWN	704.6525	704.6515	704.6529	9.825767	9.715683
4153	M608T9_1	1.501007	-0.58593	-1.16669	0.277331	0.863953	DOWN	608.2336	608.2329	608.2344	9.347458	9.22495
4154	M413T9_1	1.37532	-0.45977	-1.17093	0.277383	0.863953	DOWN	413.4095	413.4092	413.4097	9.2628	9.159717
4155	M242T11_	1.981493	0.986588	1.166385	0.277389	0.863953	UP	242.2106	242.2106	242.211	10.90638	10.90012
4156	M606T24	1.190068	-0.25104	-1.19919	0.277389	0.863953	DOWN	606.4625	606.4621	606.4629	23.87667	23.85567
4157	M792T22	1.23761	-0.30756	-1.19149	0.277397	0.863953	DOWN	791.5559	791.5551	791.5565	22.12567	22.1105
4158	M550T11	1.440416	-0.52649	-1.16701	0.277437	0.863953	DOWN	549.6666	549.6662	549.6747	10.59907	10.55068
4159	M736T9_2	1.557508	-0.63924	-1.16533	0.277456	0.863953	DOWN	735.8245	735.824	735.8249	9.317	9.234417
4160	M629T10_	1.26219	-0.33593	-1.17598	0.277463	0.863953	DOWN	628.7876	628.7865	628.7883	9.801833	9.632083
4161	M174T10_	1.189559	-0.25043	-1.23295	0.277535	0.863953	DOWN	173.6944	173.6942	173.6945	9.972917	9.859233
4162	M734T10_	1.804212	-0.85137	-1.24258	0.277635	0.863953	DOWN	733.9852	733.9834	733.9866	9.862217	9.747533
4163	M289T10_	1.151061	-0.20296	-1.18167	0.27769	0.863953	DOWN	289.0846	289.0844	289.0847	9.958617	9.843367
4164	M480T10_	1.338862	-0.42101	-1.1727	0.27773	0.863954	DOWN	479.7914	479.7907	479.7921	9.834117	9.7124

4165	M419T11_	1.702105	0.76732	1.208211	0.277737	0.863954	UP	419.4801	419.4799	419.4802	10.9676	10.93752
4166	M359T10_	1.843414	0.88238	1.236953	0.277757	0.863954	UP	359.3463	359.3369	359.3497	9.864217	9.772883
4167	M399T9_1	4.713456	2.236785	1.226459	0.277792	0.863954	UP	398.7659	398.7628	398.7669	9.18195	9.04725
4168	M309T12	1.277404	-0.35321	-1.17101	0.277815	0.863954	DOWN	309.1976	309.1974	309.198	11.50505	11.48217
4169	M406T45_	1.446803	0.532868	1.191943	0.277856	0.863954	UP	406.207	406.207	406.2071	44.502	44.43733
4170	M1480T10	1.300217	-0.37875	-1.17938	0.277892	0.863954	DOWN	1479.852	1479.85	1479.852	10.39603	10.34372
4171	M402T11_	1.645304	-0.71835	-1.16504	0.277922	0.863954	DOWN	401.6023	401.594	401.6049	10.91977	10.83417
4172	M204T10_	1.309429	-0.38894	-1.18268	0.277989	0.863954	DOWN	204.3514	204.3513	204.3515	9.825492	9.715683
4173	M269T11_	1.428923	-0.51493	-1.16664	0.278041	0.863954	DOWN	268.9825	268.982	268.9831	10.91331	10.80695
4174	M404T42_	1.070841	-0.09874	-1.21231	0.278093	0.863954	DOWN	404.264	404.2639	404.2641	41.61825	41.60367
4175	M347T9_8	1.443241	-0.52931	-1.17866	0.278181	0.863954	DOWN	347.3446	347.3419	347.3481	9.258725	9.1178
4176	M1930T10	1.71526	0.778427	1.221588	0.278385	0.863954	UP	1930.001	1929.999	1930.003	9.830283	9.699733
4177	M500T10_	9.758933	3.286723	1.252927	0.278452	0.863954	UP	500.3327	500.3321	500.3328	10.33195	10.1707
4178	M602T10_	1.203288	-0.26698	-1.17519	0.278488	0.863954	DOWN	601.5522	601.551	601.5528	9.964092	9.859233
4179	M194T9_3	1.792236	-0.84176	-1.17162	0.278585	0.863954	DOWN	193.7345	193.7329	193.7363	9.38065	9.18975
4180	M556T10_	1.479255	-0.56487	-1.17832	0.278589	0.863954	DOWN	556.2271	556.2268	556.2298	9.9014	9.859667
4181	M1039T10	1.252254	-0.32453	-1.17949	0.278645	0.863954	DOWN	1039.244	1039.242	1039.245	9.840617	9.715683
4182	M524T10_	1.264066	0.338072	1.162425	0.278739	0.863955	UP	524.3306	524.3301	524.3319	10.37783	10.29555
4183	M763T10_	1.363953	-0.44779	-1.20153	0.27887	0.863955	DOWN	763.4418	763.4401	763.4425	10.15526	10.05935
4184	M327T42_	1.21188	-0.27725	-1.16963	0.278918	0.863955	DOWN	327.2164	327.2162	327.2165	41.57508	41.1865
4185	M342T10_	1.561271	0.642721	1.164702	0.278941	0.863955	UP	342.2255	342.2253	342.2256	9.970617	9.859233
4186	M340T11_	1.597453	-0.67577	-1.16259	0.278945	0.863955	DOWN	339.9786	339.9783	339.979	10.89126	10.8214
4187	M187T39	1.081768	0.113391	1.161492	0.278976	0.863955	UP	187.0962	187.0961	187.0963	39.03575	38.88467
4188	M501T9_1	1.325993	-0.40707	-1.20742	0.278994	0.863955	DOWN	501.4226	501.422	501.4247	9.197458	9.12675
4189	M227T9_2	1.968987	-0.97745	-1.20967	0.278998	0.863955	DOWN	227.3206	227.3205	227.3207	9.381158	9.284683
4190	M482T11_	1.289381	-0.36668	-1.168	0.279053	0.863955	DOWN	481.5882	481.5879	481.5892	10.89953	10.8646
4191	M839T9_2	1.527737	-0.6114	-1.1833	0.279082	0.863955	DOWN	839.2524	839.252	839.2537	9.296458	9.219483
4192	M275T36	1.398242	0.483614	1.163793	0.279098	0.863955	UP	275.2577	275.2574	275.2579	36.25892	36.2085
4193	M613T10_	1.806197	0.852955	1.216682	0.279345	0.863955	UP	612.6973	612.697	612.6975	9.915767	9.859233
4194	M700T10_	1.343991	-0.42652	-1.16266	0.279361	0.863955	DOWN	700.0315	700.0311	700.0325	9.836408	9.73145
4195	M660T9_1	1.320249	-0.40081	-1.16551	0.279384	0.863955	DOWN	659.6159	659.6155	659.6173	9.241267	9.129317
4196	M317T24	175.6863	7.456858	1.25011	0.279403	0.863955	UP	317.2876	317.2875	317.2877	24.08283	24.07483
4197	M683T10_	1.219883	-0.28674	-1.17366	0.279496	0.863955	DOWN	682.9029	682.9023	682.9032	10.21718	10.13368
4198	M454T10_	1.39693	-0.48226	-1.17393	0.279545	0.863955	DOWN	454.1144	454.114	454.1148	9.823908	9.507167
4199	M166T10_	2.351049	1.233304	1.248	0.279564	0.863955	UP	165.638	165.6379	165.638	9.968992	9.8753



4200	M437T9_5	1.270656	-0.34557	-1.16263	0.279568	0.863955	DOWN	437.1596	437.1591	437.1599	9.280992	9.129317
4201	M210T11_	1.107362	-0.14713	-1.16145	0.279821	0.863956	DOWN	210.1487	210.1486	210.1488	10.90659	10.89355
4202	M236T29	1.262021	-0.33574	-1.1782	0.279835	0.863956	DOWN	236.1723	236.172	236.1724	28.89925	28.87567
4203	M319T11_	1.239873	-0.31019	-1.15955	0.279939	0.863956	DOWN	319.258	319.2578	319.2583	10.878	10.84828
4204	M646T45	1.076768	-0.10671	-1.22758	0.279948	0.863956	DOWN	645.9674	645.9667	645.9679	44.84692	44.82533
4205	M408T9_7	1.353639	0.436843	1.199403	0.279949	0.863956	UP	408.2285	408.2281	408.2286	9.221317	9.126783
4206	M1781T10	1.529438	0.613002	1.228986	0.280055	0.863956	UP	1780.994	1780.992	1780.996	9.853633	9.728083
4207	M154T10_	1.389542	-0.47461	-1.16156	0.280058	0.863956	DOWN	153.7023	153.7017	153.7082	9.842	9.7124
4208	M398T14	1.25371	-0.3262	-1.1994	0.280144	0.863956	DOWN	398.082	398.0817	398.0823	14.16557	14.12183
4209	M295T10_	1.848494	-0.88635	-1.21692	0.280186	0.863956	DOWN	295.1456	295.1454	295.151	9.9468	9.622983
4210	M907T22	1.259604	-0.33297	-1.18256	0.280238	0.863956	DOWN	906.6364	906.6358	906.6373	22.04267	22.02017
4211	M508T42_	1.290682	0.368134	1.227852	0.280326	0.863956	UP	508.2748	508.2746	508.2749	41.73325	41.61817
4212	M437T9_8	1.266991	-0.34141	-1.15747	0.280468	0.863956	DOWN	437.2841	437.2839	437.2846	9.285867	9.1445
4213	M207T9_1	1.797789	-0.84622	-1.1633	0.280509	0.863956	DOWN	207.3269	207.3231	207.3297	9.189475	9.0839
4214	M504T9_1	1.198562	-0.2613	-1.15835	0.280575	0.863956	DOWN	503.5191	503.5182	503.5196	9.294408	9.129317
4215	M349T13_	1.306223	-0.3854	-1.17205	0.280655	0.863957	DOWN	348.9076	348.9074	348.9078	13.43431	13.34625
4216	M290T23_	1.111153	-0.15206	-1.16445	0.280691	0.863957	DOWN	290.2956	290.2955	290.2958	22.90033	22.88567
4217	M348T10_	1.188488	-0.24913	-1.22682	0.28077	0.863957	DOWN	347.7778	347.7777	347.7779	9.834117	9.715683
4218	M374T10_	1.231964	-0.30096	-1.15745	0.28079	0.863957	DOWN	374.1823	374.1821	374.1823	9.514733	9.416817
4219	M661T10_	4.156994	-2.05554	-1.20713	0.280816	0.863957	DOWN	660.5439	660.5429	660.548	9.81635	9.728083
4220	M1211T11	1.377484	-0.46204	-1.17932	0.280854	0.863957	DOWN	1210.638	1210.637	1210.639	10.90522	10.879
4221	M224T10_	40.55367	5.341761	1.245262	0.28092	0.863957	UP	224.1254	224.119	224.1258	9.68585	9.6413
4222	M393T20_	1.919324	0.940599	1.159773	0.280924	0.863957	UP	393.3266	393.3243	393.3303	20.23767	20.21583
4223	M682T10_	1.25221	0.324477	1.190466	0.281006	0.863957	UP	681.5637	681.5629	681.5646	9.8322	9.787433
4224	M398T10_	1.144668	-0.19493	-1.15783	0.281072	0.863957	DOWN	397.5243	397.5241	397.5244	9.91805	9.827283
4225	M492T7	1.468294	0.554141	1.230146	0.281157	0.863957	UP	492.3509	492.3507	492.3511	7.039883	6.969117
4226	M253T9_3	1.472851	-0.55861	-1.16853	0.281184	0.863957	DOWN	252.7665	252.766	252.7678	9.26575	9.1892
4227	M1089T10	1.432308	0.518342	1.225985	0.281199	0.863957	UP	1089.275	1089.274	1089.276	9.82645	9.73145
4228	M270T10_	1.359188	0.442745	1.217018	0.281228	0.863957	UP	269.711	269.7109	269.7112	9.77355	9.636483
4229	M592T44	1.103732	0.14239	1.209497	0.281299	0.863957	UP	592.3327	592.3325	592.3328	44.387	44.30783
4230	M336T10_	1.735587	0.795424	1.189056	0.281349	0.863957	UP	336.1726	336.1724	336.1831	9.785242	9.447733
4231	M423T10_	1.358277	-0.44178	-1.16781	0.281356	0.863957	DOWN	423.2751	423.2748	423.2758	9.694075	9.5731
4232	M258T11_	1.293547	0.371332	1.201229	0.281412	0.863957	UP	258.3417	258.3416	258.3421	10.89827	10.84487
4233	M343T12	2.100056	1.070428	1.236585	0.281423	0.863957	UP	343.259	343.2589	343.259	11.76132	11.73907
4234	M256T11_	1.666628	0.736932	1.230907	0.2815	0.863957	UP	256.1541	256.1541	256.1542	10.7249	10.474

4235	M361T9_5	1.410861	-0.49658	-1.16053	0.28153	0.863957	DOWN	361.2096	361.2079	361.2146	9.235933	9.098833
4236	M357T42_	1.169114	0.225415	1.174237	0.281543	0.863957	UP	357.1906	357.1905	357.1907	41.93483	41.76067
4237	M402T9_4	1.238522	-0.30862	-1.15619	0.28155	0.863957	DOWN	402.3918	402.3915	402.3922	9.272992	9.129317
4238	M362T11_	1.216987	-0.28331	-1.20781	0.281593	0.863958	DOWN	361.6154	361.6152	361.6156	11.22813	11.19848
4239	M547T9_6	1.320381	0.400954	1.169056	0.281922	0.863958	UP	547.1131	547.1115	547.1138	8.848167	8.772383
4240	M642T10_	1.191209	-0.25243	-1.18674	0.281933	0.863958	DOWN	642.2415	642.2408	642.2438	9.825492	9.715683
4241	M256T10_	1.762632	0.817731	1.224464	0.28199	0.863958	UP	256.3627	256.3626	256.3628	9.970617	9.8753
4242	M803T10_	1.115186	0.157285	1.153318	0.28208	0.863958	UP	803.4618	803.4612	803.4622	10.04167	9.939683
4243	M1957T10	1.384079	-0.46893	-1.16291	0.282084	0.863958	DOWN	1957.273	1957.271	1957.276	9.816317	9.73145
4244	M242T9_6	1.287673	-0.36477	-1.15453	0.282099	0.863958	DOWN	242.3324	242.3313	242.3327	9.329083	9.280767
4245	M182T10_	1.243548	-0.31446	-1.21921	0.282232	0.863958	DOWN	181.6317	181.6315	181.6317	9.97155	9.859233
4246	M1831T10	4.069994	2.025027	1.236252	0.282284	0.863958	UP	1831.226	1831.223	1831.228	9.800317	9.699733
4247	M617T10_	1.498605	0.58362	1.214448	0.282311	0.863958	UP	616.994	616.9931	616.9946	9.931108	9.827283
4248	M286T10_	1.277713	-0.35356	-1.16476	0.282397	0.863958	DOWN	285.9855	285.9853	285.9859	9.959533	9.859233
4249	M396T9_6	2.926877	1.549362	1.165898	0.282398	0.863958	UP	395.9393	395.9378	395.9405	9.158833	9.046783
4250	M415T20_	1.348264	0.431103	1.157135	0.282506	0.863958	UP	415.3551	415.3499	415.3613	20.24658	20.24467
4251	M620T10_	2.941532	1.556568	1.235548	0.282509	0.863958	UP	619.5035	619.5029	619.5086	9.810767	9.699733
4252	M343T10_	2.214896	1.147239	1.229916	0.282542	0.863958	UP	343.424	343.4238	343.4247	9.8887	9.772883
4253	M807T11_	1.336254	-0.41819	-1.1637	0.282641	0.863959	DOWN	807.4062	807.4059	807.407	10.53152	10.50338
4254	M638T10_	2.858385	1.5152	1.239835	0.282758	0.863959	UP	637.5826	637.5821	637.585	9.8207	9.715683
4255	M588T9_2	1.722936	-0.78487	-1.15734	0.282769	0.863959	DOWN	588.2878	588.2867	588.2881	8.998867	8.983883
4256	M1158T10	1.304884	0.383921	1.228599	0.282789	0.863959	UP	1158.126	1158.125	1158.126	9.744917	9.636483
4257	M272T10_	1.634481	0.708833	1.20262	0.282861	0.863959	UP	271.7389	271.7387	271.7412	9.830283	9.715683
4258	M831T9_1	1.885719	-0.91511	-1.17078	0.282916	0.863959	DOWN	830.5884	830.5876	830.5902	8.669242	8.586967
4259	M313T10_	2.097666	-1.06878	-1.1754	0.283023	0.863959	DOWN	312.9176	312.917	312.9178	9.940783	9.853533
4260	M477T10_	1.375142	0.45958	1.150942	0.283024	0.863959	UP	477.0855	477.081	477.0879	9.825492	9.728083
4261	M1098T10	1.38804	-0.47305	-1.19528	0.283176	0.863959	DOWN	1097.631	1097.631	1097.631	10.12858	10.03658
4262	M503T10_	2.015693	1.011276	1.212145	0.283247	0.863959	UP	502.7128	502.7121	502.7135	9.800317	9.65225
4263	M571T10_	1.220487	-0.28746	-1.23507	0.283277	0.863959	DOWN	570.5221	570.5219	570.5223	9.97155	9.859233
4264	M623T12_	1.234249	-0.30363	-1.16029	0.283285	0.863959	DOWN	622.5266	622.5263	622.527	12.44178	12.441
4265	M225T44_	1.262728	0.336544	1.213755	0.283327	0.863959	UP	225.1482	225.1481	225.1484	44.26467	44.04267
4266	M387T15	1.51359	-0.59797	-1.2117	0.28335	0.863959	DOWN	387.2487	387.2485	387.2489	15.42942	15.29297
4267	M393T19_	2.756343	1.462756	1.151764	0.283397	0.863959	UP	393.3481	393.3452	393.3542	18.93683	18.89317
4268	M204T10_	3.894248	-1.96134	-1.202	0.283409	0.863959	DOWN	203.6926	203.6923	203.6926	9.830733	9.715683
4269	M215T9_2	1.434721	-0.52077	-1.15039	0.283427	0.863959	DOWN	214.7619	214.7615	214.7623	9.311167	9.132267

4270	M342T10_	1.233268	-0.30249	-1.21131	0.283465	0.863959	DOWN	342.0244	342.024	342.0252	9.825492	9.715683
4271	M748T14	1.176098	-0.23401	-1.15046	0.283472	0.863959	DOWN	747.5743	747.5739	747.5746	13.69728	13.68268
4272	M327T9_1	1.307924	-0.38728	-1.14981	0.283516	0.863959	DOWN	326.6697	326.6696	326.6699	9.294408	9.1445
4273	M317T10_	1.119676	-0.16308	-1.19964	0.283571	0.86396	DOWN	316.9557	316.9555	316.956	9.8207	9.715683
4274	M488T15	1.268453	-0.34307	-1.15103	0.283654	0.86396	DOWN	487.8735	487.8728	487.8743	14.91235	14.85495
4275	M672T9_2	1.27596	-0.35158	-1.15001	0.283655	0.86396	DOWN	672.1457	672.1448	672.1474	9.28135	9.129317
4276	M591T10_	1.148129	-0.19928	-1.16252	0.283685	0.86396	DOWN	591.283	591.2826	591.2838	9.924308	9.827283
4277	M182T11_	1.108329	-0.14839	-1.16048	0.283691	0.86396	DOWN	182.1537	182.1537	182.1538	10.90659	10.89355
4278	M814T10_	1.202438	-0.26596	-1.17014	0.283746	0.86396	DOWN	814.1674	814.1664	814.1683	9.917167	9.811217
4279	M211T10_	1.426431	-0.51241	-1.15508	0.283749	0.86396	DOWN	211.1211	211.1208	211.1288	9.772883	9.683817
4280	M326T9_3	1.210341	-0.27541	-1.15405	0.283784	0.86396	DOWN	326.238	326.2379	326.2383	9.311167	9.191133
4281	M383T11_	1.105614	-0.14485	-1.17122	0.283796	0.86396	DOWN	383.2543	383.2543	383.2545	10.90775	10.90197
4282	M232T11_	1.335161	-0.41701	-1.15413	0.283886	0.86396	DOWN	232.3151	232.3149	232.3153	10.93312	10.90197
4283	M349T13_	1.443993	-0.53006	-1.14883	0.283905	0.86396	DOWN	349.242	349.2419	349.2422	13.42688	13.37595
4284	M416T29	1.626622	0.701879	1.150551	0.283967	0.86396	UP	416.2857	416.2854	416.2863	28.99483	28.94417
4285	M297T10_	1.181045	-0.24006	-1.17863	0.283972	0.86396	DOWN	297.1745	297.1713	297.1747	9.95825	9.842
4286	M203T10_	1.380309	-0.46499	-1.19311	0.284001	0.86396	DOWN	203.461	203.4609	203.4611	9.842	9.715683
4287	M341T10_	1.910402	-0.93388	-1.15183	0.284079	0.86396	DOWN	340.797	340.7933	340.7988	9.911567	9.743667
4288	M805T10_	1.260164	-0.33361	-1.19489	0.28412	0.86396	DOWN	805.4199	805.4196	805.4205	9.6501	9.52595
4289	M716T9_2	1.617026	0.693343	1.158493	0.284124	0.86396	UP	715.9691	715.9675	715.9707	9.433067	9.329083
4290	M228T10_	2.243903	-1.16601	-1.21535	0.284201	0.86396	DOWN	228.1744	228.1705	228.1785	9.705275	9.5731
4291	M644T9_2	1.268265	-0.34286	-1.14786	0.284203	0.86396	DOWN	644.2854	644.2846	644.2868	9.289892	9.129317
4292	M312T12_	1.318367	-0.39875	-1.15182	0.28426	0.86396	DOWN	311.7666	311.7665	311.7669	12.44268	12.4266
4293	M478T37	1.275351	-0.35089	-1.18222	0.28429	0.86396	DOWN	478.3007	478.3005	478.3007	37.28783	37.10067
4294	M891T25	1.260685	-0.33421	-1.14838	0.284299	0.86396	DOWN	890.6414	890.6409	890.6417	25.38367	25.3765
4295	M244T9_1	1.263344	-0.33725	-1.15013	0.284432	0.86396	DOWN	243.6846	243.6844	243.6846	8.503533	8.428683
4296	M552T10_	1.491146	-0.57642	-1.15656	0.284472	0.86396	DOWN	551.7451	551.7449	551.7458	9.9351	9.827283
4297	M1856T10	1.265277	-0.33945	-1.17211	0.284532	0.86396	DOWN	1855.588	1855.586	1855.593	9.823575	9.715683
4298	M208T10_	1.557724	-0.63944	-1.19126	0.284533	0.86396	DOWN	207.8379	207.8378	207.8385	9.834642	9.816167
4299	M302T10_	1.257339	-0.33037	-1.20515	0.2848	0.863961	DOWN	302.1676	302.1675	302.1679	9.930908	9.827283
4300	M210T9_2	1.311234	-0.39093	-1.14639	0.28482	0.863961	DOWN	209.8329	209.8328	209.8329	9.269283	9.129317
4301	M203T10_	1.118143	-0.1611	-1.16663	0.284842	0.863961	DOWN	202.91	202.9025	202.91	9.8207	9.699733
4302	M623T10_	1.144297	-0.19446	-1.15354	0.284896	0.863961	DOWN	623.4496	623.4491	623.45	10.41041	10.35992
4303	M342T10_	1.12035	-0.16395	-1.19614	0.284909	0.863961	DOWN	341.7638	341.7635	341.7642	9.866292	9.79065
4304	M201T10_	1.195283	-0.25735	-1.14605	0.284914	0.863961	DOWN	200.7626	200.7626	200.7627	9.831142	9.715683

4305	M152T10_	1.195414	-0.25751	-1.15371	0.284923	0.863961	DOWN	151.918	151.9178	151.918	9.956417	9.859233
4306	M575T10_	2.72594	1.446754	1.157178	0.284924	0.863961	UP	575.4479	575.4469	575.4484	9.958492	9.859233
4307	M237T11_	1.282017	-0.35842	-1.17909	0.284982	0.863961	DOWN	236.8992	236.8991	236.8994	10.90551	10.879
4308	M506T9_3	1.481842	-0.56739	-1.18046	0.284995	0.863961	DOWN	505.9526	505.952	505.9533	9.327058	9.175017
4309	M456T22	1.552634	-0.63472	-1.15084	0.284996	0.863961	DOWN	456.4837	456.4836	456.4843	22.13233	22.0635
4310	M513T9_3	1.243367	-0.31425	-1.18042	0.285005	0.863961	DOWN	512.9014	512.901	512.9027	9.432583	9.340183
4311	M385T9_2	1.319625	-0.40013	-1.15556	0.285021	0.863961	DOWN	384.7375	384.7356	384.7379	8.883367	8.863633
4312	M413T24	3.385273	-1.75927	-1.22791	0.285097	0.863961	DOWN	413.2977	413.2972	413.298	24.32983	24.3035
4313	M210T10_	1.315305	0.395397	1.14604	0.285395	0.863961	UP	209.805	209.8048	209.8051	9.9014	9.79535
4314	M254T9_1	1.511599	-0.59608	-1.15045	0.285459	0.863961	DOWN	253.5735	253.5728	253.5746	9.18975	9.126783
4315	M567T11_	1.143826	-0.19387	-1.14716	0.285504	0.863961	DOWN	566.9291	566.9288	566.9295	10.5188	10.47197
4316	M346T11_	1.278111	0.354013	1.150307	0.285508	0.863961	UP	345.5537	345.5534	345.5551	10.8926	10.87487
4317	M242T18	1.300995	-0.37962	-1.1788	0.285819	0.863962	DOWN	242.1536	242.1536	242.1537	18.08442	18.05483
4318	M591T10_	1.338291	-0.42039	-1.15517	0.285831	0.863962	DOWN	591.3195	591.3191	591.3217	9.887133	9.7634
4319	M209T10_	1.09705	-0.13363	-1.1535	0.285841	0.863962	DOWN	208.6156	208.6155	208.6156	9.872908	9.747533
4320	M1944T10	1.386476	-0.47142	-1.15345	0.285934	0.863962	DOWN	1943.986	1943.983	1943.987	9.82645	9.7124
4321	M536T42_	1.273805	-0.34914	-1.1613	0.285965	0.863962	DOWN	536.3061	536.306	536.3062	41.877	41.81983
4322	M239T10_	1.155276	-0.20824	-1.14314	0.286059	0.863962	DOWN	239.2663	239.2662	239.2664	9.917167	9.811217
4323	M166T27	1.773476	-0.82658	-1.2098	0.286196	0.863962	DOWN	166.0941	166.094	166.0942	27.2485	27.21333
4324	M344T11_	1.505495	0.590238	1.183539	0.286236	0.863962	UP	343.9588	343.9582	343.9606	10.92708	10.8214
4325	M474T9_1	1.246029	-0.31734	-1.14312	0.286372	0.863962	DOWN	473.5586	473.5581	473.5595	9.294408	9.129317
4326	M371T11_	1.781804	-0.83334	-1.19855	0.286424	0.863962	DOWN	370.8903	370.89	370.8912	10.94844	10.90275
4327	M638T10_	1.345126	0.427742	1.217969	0.286551	0.863962	UP	637.6657	637.6652	637.6693	9.834117	9.715683
4328	M460T11_	1.174948	-0.2326	-1.14868	0.286565	0.863963	DOWN	460.0917	460.0914	460.0918	10.90519	10.879
4329	M371T42	1.068417	0.095475	1.179255	0.2866	0.863963	UP	371.2062	371.2061	371.2064	42.16483	42.10733
4330	M657T10_	1.16694	-0.22273	-1.17341	0.286647	0.863963	DOWN	656.638	656.6376	656.6394	9.825492	9.715683
4331	M550T9_3	1.354952	-0.43824	-1.14589	0.286715	0.863963	DOWN	550.3546	550.3543	550.3573	9.321425	9.22495
4332	M742T9_6	2.20556	1.141145	1.212298	0.286825	0.863963	UP	742.3907	742.39	742.3912	9.437367	9.355317
4333	M379T28	1.486214	-0.57164	-1.21921	0.286911	0.863963	DOWN	379.186	379.186	379.1866	27.92917	27.89267
4334	M351T15_	1.361529	-0.44523	-1.16756	0.286946	0.863963	DOWN	351.2064	351.205	351.2068	15.42657	15.1756
4335	M492T28_	1.2446	-0.31568	-1.15321	0.287026	0.863963	DOWN	491.8434	491.8432	491.8436	28.26608	28.25767
4336	M473T9_9	1.993287	0.995149	1.152298	0.287035	0.863963	UP	473.3057	473.3043	473.3097	9.01065	8.8486
4337	M884T11_	1.374876	0.459301	1.140839	0.287072	0.863963	UP	884.0016	884.0005	884.0025	10.7766	10.75312
4338	M520T43_	1.777403	-0.82977	-1.15702	0.287075	0.863963	DOWN	520.2748	520.2745	520.2751	42.841	42.74033
4339	M831T9_4	1.734156	-0.79423	-1.14276	0.287162	0.863963	DOWN	831.09	831.0894	831.0907	8.6848	8.586967

4340	M329T20	1.64741	0.7202	1.144529	0.28724	0.863963	UP	329.2295	329.2294	329.2299	19.555	19.50583
4341	M549T10_	1.254136	-0.32669	-1.1403	0.287252	0.863963	DOWN	549.4012	549.4006	549.4018	10.45352	10.40807
4342	M388T10_	3.936953	1.97708	1.225223	0.287269	0.863963	UP	388.0716	388.071	388.0718	9.918833	9.822117
4343	M376T9_3	1.400721	-0.48617	-1.14407	0.287317	0.863963	DOWN	376.0254	376.0242	376.0265	9.365833	9.160617
4344	M344T9_1	1.515704	-0.59999	-1.15582	0.28734	0.863963	DOWN	343.5636	343.5633	343.5638	9.29345	9.219483
4345	M193T10_	1.341729	-0.42409	-1.17105	0.287376	0.863963	DOWN	193.2672	193.267	193.2672	9.970617	9.885167
4346	M243T9_1	1.655281	-0.72708	-1.15741	0.287394	0.863963	DOWN	243.3436	243.3413	243.3465	9.222375	9.1322
4347	M1009T16	1.309003	-0.38847	-1.17469	0.287433	0.863963	DOWN	1009.49	1009.489	1009.49	15.50757	15.49638
4348	M656T10_	1.679783	0.748274	1.2071	0.28747	0.863963	UP	655.9183	655.9181	655.9189	9.983433	9.8914
4349	M436T9_1	1.270546	-0.34545	-1.1393	0.287547	0.863963	DOWN	436.2771	436.2769	436.2779	9.25985	8.859667
4350	M175T10_	2.762572	1.466012	1.215612	0.287577	0.863964	UP	175.4996	175.4994	175.5011	9.8374	9.73145
4351	M160T10_	1.379065	-0.46369	-1.14542	0.287678	0.863964	DOWN	160.1218	160.1217	160.1219	9.915583	9.811217
4352	M314T20	1.168342	-0.22446	-1.14051	0.287758	0.863964	DOWN	314.3244	314.3242	314.3246	20.484	20.46217
4353	M385T10_	1.896066	-0.92301	-1.20818	0.287765	0.863964	DOWN	385.3884	385.3847	385.3987	9.908617	9.801833
4354	M526T9_3	1.376713	0.461227	1.180751	0.287769	0.863964	UP	525.705	525.7006	525.7055	9.270833	9.146383
4355	M207T9_2	1.704145	-0.76905	-1.14115	0.287791	0.863964	DOWN	207.3879	207.3866	207.3886	9.314408	9.07525
4356	M734T10_	2.2457	1.167165	1.200513	0.28805	0.863964	UP	733.5041	733.5026	733.5045	9.9677	9.8914
4357	M292T10_	1.258312	-0.33149	-1.14978	0.288061	0.863964	DOWN	292.0528	292.0524	292.053	9.968992	9.8753
4358	M381T16_	1.125749	-0.17088	-1.13804	0.288169	0.863964	DOWN	381.2687	381.2686	381.2689	16.25659	16.2422
4359	M378T11_	1.365326	-0.44925	-1.13852	0.288188	0.863964	DOWN	378.3303	378.3278	378.3306	10.90765	10.86275
4360	M242T26	1.275871	0.351482	1.156715	0.288252	0.863964	UP	242.1828	242.1827	242.1831	25.66108	25.652
4361	M167T10_	1.288598	-0.3658	-1.21026	0.288438	0.863964	DOWN	167.2714	167.2712	167.2714	9.932	9.843367
4362	M653T11_	1.887941	0.916813	1.210146	0.28846	0.863964	UP	653.1897	653.1891	653.1904	10.87757	10.82935
4363	M301T10_	1.243971	-0.31495	-1.19477	0.28847	0.863964	DOWN	301.062	301.0619	301.0621	9.9351	9.827283
4364	M671T9_1	1.287664	-0.36476	-1.13693	0.288598	0.863965	DOWN	670.9955	670.9948	670.9961	9.25985	9.129317
4365	M475T9_3	1.822685	0.866065	1.178521	0.288616	0.863965	UP	474.9345	474.9267	474.9388	9.16125	9.111033
4366	M309T10_	1.13905	-0.18783	-1.20883	0.288629	0.863965	DOWN	308.7613	308.7611	308.7616	9.954767	9.843367
4367	M663T9_2	1.348984	-0.43187	-1.14871	0.288652	0.863965	DOWN	663.3979	663.3976	663.3986	9.3332	9.234417
4368	M664T10_	1.252988	-0.32537	-1.13653	0.288696	0.863965	DOWN	663.7457	663.7451	663.746	9.810233	9.715683
4369	M429T9_2	1.505081	0.589841	1.188544	0.288756	0.863965	UP	428.605	428.6046	428.6065	9.1428	9.079083
4370	M504T44	1.508192	0.59282	1.161637	0.288793	0.863965	UP	504.2799	504.2796	504.2802	43.90533	43.74183
4371	M586T11_	1.411549	-0.49728	-1.1367	0.288835	0.863965	DOWN	586.307	586.3068	586.3074	10.64667	10.37437
4372	M624T10_	1.207005	-0.27143	-1.14105	0.288852	0.863965	DOWN	624.4531	624.4527	624.4536	10.41041	10.35992
4373	M282T20	11.58708	3.534445	1.220952	0.289133	0.863965	UP	282.2061	282.2061	282.2065	19.6495	19.649
4374	M342T10_	2.151589	1.105402	1.202218	0.289197	0.863965	UP	341.9598	341.9594	341.9635	9.840617	9.715683

4375	M682T10_	1.079567	-0.11045	-1.1363	0.289223	0.863965	DOWN	681.516	681.5155	681.5174	9.857425	9.73145
4376	M573T10_	1.151983	-0.20412	-1.13791	0.289231	0.863965	DOWN	573.4618	573.4616	573.4621	9.9149	9.79535
4377	M315T25_	69.74744	-6.12407	-1.22059	0.289269	0.863965	DOWN	315.1224	315.122	315.1227	25.11508	25.0985
4378	M822T10_	1.615334	-0.69183	-1.14256	0.289399	0.863965	DOWN	822.3972	822.3963	822.398	9.59825	9.547133
4379	M730T4	1.469809	0.555629	1.138873	0.289459	0.863965	UP	730.4552	730.4547	730.4553	3.542983	3.430683
4380	M340T10_	1.174786	-0.2324	-1.20404	0.289526	0.863965	DOWN	340.0508	340.0505	340.0512	9.857275	9.73145
4381	M534T10_	1.246546	-0.31794	-1.17009	0.289528	0.863965	DOWN	534.3474	534.3472	534.3475	9.501692	9.40135
4382	M255T43_	1.424596	0.510553	1.156773	0.289548	0.863965	UP	255.1951	255.195	255.1952	43.40925	43.31533
4383	M304T29	1.559855	-0.64141	-1.17686	0.289561	0.863965	DOWN	304.2996	304.2995	304.2997	29.16633	29.14933
4384	M195T9_1	1.662674	-0.73351	-1.18575	0.289562	0.863965	DOWN	195.3431	195.3426	195.3436	9.327217	9.158833
4385	M952T12_	1.822161	-0.86565	-1.20624	0.289569	0.863965	DOWN	951.5911	951.5907	951.5914	11.6717	11.64247
4386	M446T40_	1.354642	0.437912	1.145687	0.289711	0.863966	UP	446.2745	446.2743	446.2748	39.70483	39.4745
4387	M327T9_4	1.276809	-0.35254	-1.13382	0.289727	0.863966	DOWN	326.8924	326.8923	326.8926	9.294408	9.129317
4388	M568T11_	1.351763	-0.43484	-1.1341	0.289756	0.863966	DOWN	568.3835	568.3829	568.384	10.55252	10.50403
4389	M592T25	7.298595	-2.86762	-1.21885	0.289766	0.863966	DOWN	591.8802	591.8801	591.8813	25.07017	25.05967
4390	M552T10_	1.24018	-0.31055	-1.1465	0.289832	0.863966	DOWN	552.3542	552.3536	552.3545	9.938125	9.843367
4391	M185T11_	1.303458	-0.38234	-1.13337	0.289881	0.863966	DOWN	184.5567	184.5566	184.5568	10.88995	10.8646
4392	M1752T10	1.570463	-0.65119	-1.13672	0.289943	0.863966	DOWN	1751.619	1751.618	1751.62	9.830283	9.7124
4393	M206T9_1	2.189983	-1.13092	-1.14128	0.289948	0.863966	DOWN	205.9351	205.9344	205.9353	9.145433	9.126783
4394	M1110T11	1.47978	-0.56538	-1.14047	0.289979	0.863966	DOWN	1109.62	1109.619	1109.621	11.22183	11.19848
4395	M220T10_	1.712259	0.775901	1.144962	0.290001	0.863966	UP	220.0419	220.0387	220.042	9.872067	9.8378
4396	M347T10_	1.236033	-0.30572	-1.19344	0.290055	0.863966	DOWN	346.5307	346.5306	346.5308	9.825492	9.715683
4397	M201T9_2	1.511466	-0.59595	-1.13506	0.290219	0.863966	DOWN	201.2528	201.2518	201.2533	9.327133	9.160617
4398	M538T10_	1.384152	-0.469	-1.14763	0.290284	0.863966	DOWN	538.4318	538.431	538.4326	9.655117	9.556217
4399	M403T10_	1.363558	0.447376	1.141233	0.290287	0.863966	UP	403.4543	403.4541	403.4545	9.802117	9.7124
4400	M247T9_1	1.874574	-0.90656	-1.19452	0.29048	0.863966	DOWN	246.5497	246.5496	246.5498	9.346	9.268917
4401	M472T9_1	1.23076	-0.29955	-1.13461	0.290567	0.863966	DOWN	472.4911	472.4907	472.4921	9.285867	9.129317
4402	M261T10_	1.910074	0.933628	1.139384	0.290787	0.863967	UP	260.5192	260.519	260.5192	9.934933	9.8753
4403	M404T36	1.259148	-0.33245	-1.21302	0.290801	0.863967	DOWN	404.264	404.2638	404.2641	35.79058	35.54567
4404	M414T11_	1.175351	-0.23309	-1.14052	0.290803	0.863967	DOWN	414.4056	414.4053	414.407	10.90519	10.879
4405	M494T9_3	1.338981	-0.42114	-1.16925	0.290819	0.863967	DOWN	493.614	493.6135	493.6211	9.303525	9.146383
4406	M423T11_	1.663905	0.734573	1.132657	0.290901	0.863967	UP	423.2646	423.2585	423.266	10.879	10.87195
4407	M464T40	1.4248	0.51076	1.204114	0.290907	0.863967	UP	464.2849	464.2848	464.2853	39.87033	39.7335
4408	M821T35	2.348899	-1.23198	-1.15288	0.290909	0.863967	DOWN	820.6	820.5984	820.6009	35.47392	35.43017
4409	M320T10_	3.241392	1.696614	1.212203	0.290924	0.863967	UP	320.2617	320.2614	320.2749	9.62555	9.616167

4410	M249T10_	1.21051	-0.27561	-1.14666	0.290954	0.863967	DOWN	248.8329	248.8328	248.833	9.80185	9.696683
4411	M637T10_	1.141254	-0.19062	-1.13677	0.290998	0.863967	DOWN	637.131	637.1305	637.1424	9.816167	9.699733
4412	M460T10_	1.173284	-0.23055	-1.17993	0.291013	0.863967	DOWN	459.7402	459.7399	459.7412	9.902617	9.714783
4413	M316T37_	1.15487	-0.20773	-1.20475	0.291057	0.863967	DOWN	316.1753	316.1752	316.1754	36.58333	36.43967
4414	M260T10_	2.100188	1.070519	1.147254	0.291064	0.863967	UP	259.7563	259.7558	259.7624	9.907917	9.77355
4415	M1557T10_	1.238681	-0.3088	-1.14559	0.291111	0.863967	DOWN	1557.454	1557.447	1557.457	9.918833	9.8378
4416	M1162T10_	1.443893	-0.52996	-1.1338	0.291148	0.863967	DOWN	1161.632	1161.631	1161.635	9.970617	9.843367
4417	M782T10_	1.233535	-0.3028	-1.13996	0.291172	0.863967	DOWN	782.4756	782.4748	782.4761	10.22883	10.12287
4418	M1557T10_	1.218964	-0.28566	-1.15929	0.291241	0.863967	DOWN	1557.152	1557.149	1557.153	9.948825	9.843367
4419	M444T10_	1.428454	0.514455	1.178441	0.291292	0.863967	UP	443.7417	443.7409	443.7425	9.976317	9.827283
4420	M283T10_	1.332834	-0.4145	-1.13411	0.29131	0.863967	DOWN	282.8398	282.8397	282.8399	9.970617	9.8914
4421	M185T10_	1.344757	-0.42735	-1.13253	0.291375	0.863967	DOWN	184.993	184.9929	184.9931	9.932033	9.811217
4422	M387T11_	1.298713	-0.37708	-1.13922	0.291454	0.863967	DOWN	386.5589	386.5589	386.56	10.89125	10.87765
4423	M494T16_	1.32774	-0.40897	-1.13219	0.291456	0.863967	DOWN	494.3469	494.3457	494.3471	15.69547	15.52565
4424	M285T9_2	1.253368	-0.32581	-1.13365	0.291462	0.863967	DOWN	284.6831	284.683	284.6835	8.914933	8.818733
4425	M197T44_	1.404002	-0.48954	-1.14558	0.291509	0.863967	DOWN	197.1533	197.1532	197.1535	43.9555	43.70383
4426	M234T10_	1.226235	-0.29424	-1.17972	0.291512	0.863967	DOWN	234.0324	234.0322	234.0325	9.903283	9.822117
4427	M695T10_	1.737581	0.797081	1.177346	0.291579	0.863967	UP	695.0932	695.0924	695.0935	9.85525	9.715683
4428	M610T10_	1.538557	0.621578	1.147473	0.291585	0.863967	UP	610.2991	610.2974	610.2996	9.946367	9.8753
4429	M781T10_	1.420717	-0.50662	-1.16119	0.291643	0.863967	DOWN	780.5161	780.5144	780.5206	9.862567	9.811217
4430	M862T24	3.267469	-1.70817	-1.21044	0.291706	0.863967	DOWN	861.5208	861.52	861.5216	24.20775	24.18633
4431	M791T9_1	1.498418	-0.58344	-1.15558	0.291709	0.863967	DOWN	790.5683	790.5679	790.5696	9.305225	9.234417
4432	M1419T10	1.24709	-0.31857	-1.17375	0.291725	0.863968	DOWN	1418.545	1418.542	1418.548	9.942742	9.8378
4433	M155T9	1.355698	-0.43904	-1.13063	0.291745	0.863968	DOWN	155.3314	155.3311	155.3318	9.3494	9.18975
4434	M951T10_	1.575636	-0.65593	-1.12839	0.291866	0.863968	DOWN	951.0601	951.059	951.0603	9.970617	9.967367
4435	M324T9_1	1.318888	-0.39932	-1.14157	0.2919	0.863968	DOWN	324.4891	324.4887	324.4892	9.498117	9.40135
4436	M909T35	3.914416	-1.9688	-1.19854	0.291904	0.863968	DOWN	908.6523	908.6514	908.6532	35.30975	35.27183
4437	M224T9_2	1.489934	-0.57525	-1.15011	0.291973	0.863968	DOWN	223.8592	223.8591	223.8593	9.3494	9.22495
4438	M662T10_	1.237478	-0.3074	-1.13413	0.291982	0.863968	DOWN	661.7334	661.7326	661.7349	9.956917	9.843367
4439	M326T10_	1.278896	0.354899	1.175466	0.292001	0.863968	UP	325.681	325.6807	325.6819	9.841442	9.715683
4440	M353T44_	1.153529	0.206054	1.140524	0.292059	0.863968	UP	353.232	353.2319	353.2321	43.81625	43.632
4441	M252T14	1.350842	-0.43386	-1.1279	0.292095	0.863968	DOWN	252.2431	252.243	252.2432	14.29717	14.26822
4442	M350T11_	1.205057	-0.2691	-1.17575	0.292113	0.863968	DOWN	350.3981	350.3978	350.4023	10.93208	10.879
4443	M592T43_	1.099497	0.136843	1.171463	0.29214	0.863968	UP	592.3327	592.3324	592.3328	42.60358	42.5675
4444	M307T20	1.505377	0.590125	1.178251	0.292235	0.863968	UP	307.2476	307.2475	307.2477	19.56217	19.5555

4445	M417T9_1	1.175812	-0.23366	-1.15062	0.292245	0.863968	DOWN	416.516	416.5027	416.5163	9.324967	9.27445
4446	M655T10_	2.038959	1.027833	1.192835	0.292283	0.863968	UP	654.9103	654.9096	654.9107	9.872067	9.774967
4447	M1848T10	1.33814	0.420229	1.13375	0.292323	0.863968	UP	1848.062	1848.061	1848.067	9.992992	9.8914
4448	M698T10_	1.265603	0.339824	1.167672	0.292359	0.863968	UP	698.2413	698.2411	698.2419	9.857275	9.73145
4449	M1973T10	1.169736	-0.22618	-1.16418	0.292368	0.863968	DOWN	1973.162	1973.16	1973.167	9.8397	9.715683
4450	M301T10_	1.216682	-0.28295	-1.17646	0.292423	0.863968	DOWN	301.3317	301.3316	301.3318	9.930908	9.827283
4451	M870T10_	1.315707	-0.39584	-1.15829	0.292423	0.863968	DOWN	869.7894	869.7888	869.7902	9.968992	9.8753
4452	M209T9_1	1.342803	-0.42525	-1.12659	0.292622	0.863968	DOWN	208.6116	208.6114	208.6125	9.329642	9.132267
4453	M563T10_	1.27864	-0.35461	-1.14742	0.292624	0.863968	DOWN	562.7115	562.7108	562.7121	9.948875	9.843367
4454	M1012T10	1.432135	-0.51817	-1.13831	0.292708	0.863968	DOWN	1011.609	1011.607	1011.609	9.531583	9.4632
4455	M372T9_3	1.412638	-0.49839	-1.12699	0.292744	0.863968	DOWN	371.782	371.7819	371.7821	9.493125	9.432183
4456	M681T10_	1.197349	-0.25984	-1.15467	0.292762	0.863968	DOWN	680.9248	680.9242	680.9259	9.847542	9.73145
4457	M302T10_	1.216067	-0.28222	-1.17538	0.292821	0.863969	DOWN	301.7494	301.7493	301.7496	9.930908	9.827283
4458	M1893T10	1.292665	0.370349	1.162566	0.292828	0.863969	UP	1892.656	1892.655	1892.658	9.918833	9.827283
4459	M765T11	1.569872	-0.65065	-1.14295	0.292845	0.863969	DOWN	765.1493	765.1488	765.1506	10.85521	10.83572
4460	M281T27	221.6559	7.792178	1.210099	0.292859	0.863969	UP	281.2666	281.2663	281.2667	27.30333	27.215
4461	M430T21	1.234213	0.303591	1.168071	0.292897	0.863969	UP	430.3162	430.3159	430.3163	21.33958	21.33417
4462	M641T10_	1.459209	0.545186	1.192519	0.292902	0.863969	UP	641.2384	641.2378	641.2397	9.825767	9.699733
4463	M837T11	1.362181	-0.44592	-1.13053	0.292914	0.863969	DOWN	837.4971	837.4957	837.4974	10.6606	10.61512
4464	M295T10_	1.231226	-0.3001	-1.18809	0.292972	0.863969	DOWN	294.8058	294.8056	294.8061	9.90295	9.79535
4465	M626T45	1.191923	0.253292	1.144492	0.29299	0.863969	UP	625.9305	625.9303	625.9314	44.98333	44.8685
4466	M233T11_	1.125112	-0.17007	-1.12678	0.293023	0.863969	DOWN	232.6029	232.6029	232.6033	10.90659	10.879
4467	M368T21_	1.476676	-0.56235	-1.13376	0.293147	0.863969	DOWN	367.9208	367.9204	367.9211	20.83533	20.74033
4468	M1088T10	1.908646	0.93255	1.183203	0.293169	0.863969	UP	1087.725	1087.724	1087.727	9.900733	9.843367
4469	M260T11_	1.108679	-0.14884	-1.12719	0.293359	0.863969	DOWN	260.2047	260.2047	260.2048	10.90659	10.89355
4470	M682T10_	1.774916	0.827751	1.196298	0.29337	0.863969	UP	682.43	682.4286	682.4311	9.864892	9.73145
4471	M923T9	1.547229	0.629686	1.124848	0.293406	0.863969	UP	922.7066	922.7049	922.7072	9.415167	9.30965
4472	M288T23_	1.553407	0.635436	1.132066	0.293423	0.863969	UP	288.4028	288.3941	288.4046	22.90017	22.857
4473	M398T10_	1.292739	-0.37043	-1.13359	0.29363	0.863969	DOWN	397.5451	397.545	397.5452	9.894875	9.79535
4474	M494T10_	2.714874	1.440885	1.191777	0.293645	0.863969	UP	494.2821	494.27	494.2828	9.68775	9.684583
4475	M592T10_	1.188851	-0.24957	-1.14518	0.293692	0.863969	DOWN	592.4319	592.4314	592.4327	9.931875	9.822117
4476	M381T28	2.593852	-1.3751	-1.20254	0.293724	0.863969	DOWN	381.3221	381.3218	381.3223	27.88558	27.8535
4477	M1732T10	1.203249	-0.26694	-1.16638	0.293751	0.863969	DOWN	1731.851	1731.85	1731.856	9.829325	9.715683
4478	M457T10_	1.314318	-0.39431	-1.14797	0.293875	0.86397	DOWN	457.3509	457.3506	457.3512	9.908617	9.811217
4479	M337T9_1	1.288319	-0.36549	-1.15632	0.293979	0.86397	DOWN	337.3743	337.3741	337.3745	9.498117	9.40135



4480	M286T10_	2.511706	1.328668	1.19793	0.293991	0.86397	UP	286.0622	286.0619	286.0625	9.989117	9.960967
4481	M378T44_	3.692494	1.884595	1.205429	0.294101	0.86397	UP	378.2483	378.2481	378.2485	44.279	44.121
4482	M848T10_	1.106162	-0.14556	-1.12731	0.294111	0.86397	DOWN	848.3103	848.3097	848.3107	9.924308	9.827283
4483	M332T25	74.34136	-6.21609	-1.20639	0.294136	0.86397	DOWN	332.149	332.1487	332.1493	25.11417	25.07333
4484	M451T9_1	1.739003	0.798261	1.161205	0.294207	0.86397	UP	451.4114	451.4108	451.413	9.3165	9.197983
4485	M546T25_	2.894783	-1.53345	-1.20178	0.294295	0.86397	DOWN	546.3792	546.3791	546.3808	24.92133	24.912
4486	M1001T12	1.241609	-0.31221	-1.15341	0.294332	0.86397	DOWN	1001.443	1001.443	1001.443	12.06378	12.031
4487	M1339T10	1.208956	0.273762	1.161406	0.29434	0.86397	UP	1339.458	1339.453	1339.46	9.917208	9.827283
4488	M1880T10	1.194944	-0.25694	-1.153	0.294353	0.86397	DOWN	1880.28	1880.279	1880.282	9.830283	9.715683
4489	M320T40	1.599154	-0.67731	-1.12745	0.294419	0.86397	DOWN	320.1702	320.1699	320.1704	39.7765	39.66167
4490	M207T10_	1.24731	-0.31882	-1.14983	0.294425	0.86397	DOWN	207.0236	207.0235	207.0312	9.830558	9.728083
4491	M646T26_	1.482379	-0.56791	-1.12541	0.294438	0.86397	DOWN	646.4791	646.4787	646.4801	26.00308	25.8515
4492	M502T10_	1.355585	0.438916	1.175166	0.294546	0.86397	UP	502.1475	502.1473	502.1479	9.967367	9.8753
4493	M307T17	2.227008	-1.15511	-1.17135	0.29474	0.86397	DOWN	307.2356	307.2353	307.2358	16.86967	16.82617
4494	M293T16	1.790469	-0.84034	-1.14681	0.294878	0.86397	DOWN	293.1357	293.1356	293.1358	16.32088	16.16765
4495	M478T10_	1.645054	0.718135	1.181274	0.294972	0.863971	UP	478.3457	478.3323	478.3459	9.554133	9.421167
4496	M1481T10	1.492721	-0.57794	-1.14084	0.2951	0.863971	DOWN	1480.855	1480.852	1480.857	10.40831	10.32768
4497	M180T10_	1.18967	-0.25056	-1.17395	0.2952	0.863971	DOWN	179.6566	179.6565	179.6569	9.830833	9.715683
4498	M610T9_2	1.262674	-0.33648	-1.13181	0.295225	0.863971	DOWN	610.3552	610.3507	610.3567	9.249433	9.174917
4499	M435T11_	1.188048	-0.24859	-1.13243	0.295236	0.863971	DOWN	434.8341	434.834	434.8343	10.63183	10.59933
4500	M428T13	1.241863	0.312506	1.121033	0.295294	0.863971	UP	428.2878	428.2875	428.2884	12.76303	12.76215
4501	M229T11_	1.224128	-0.29175	-1.17068	0.295302	0.863971	DOWN	228.9465	228.9461	228.9467	10.89237	10.873
4502	M1498T10	1.514727	-0.59906	-1.12401	0.295321	0.863971	DOWN	1497.73	1497.725	1497.735	9.887642	9.859233
4503	M454T9_1	1.622274	-0.69802	-1.11964	0.295377	0.863971	DOWN	454.3774	454.3759	454.3795	9.360208	9.275617
4504	M432T17	1.337157	-0.41917	-1.14292	0.295473	0.863971	DOWN	431.7786	431.7783	431.779	17.16983	17.16083
4505	M208T10_	1.633654	-0.7081	-1.11959	0.295508	0.863971	DOWN	207.7908	207.7889	207.791	9.830283	9.715683
4506	M379T10_	1.217261	-0.28364	-1.12204	0.295527	0.863971	DOWN	379.029	379.0287	379.0305	9.902483	9.811217
4507	M194T10_	1.27519	0.350713	1.125583	0.295539	0.863971	UP	193.9258	193.917	193.9259	9.953592	9.758367
4508	M655T10_	1.249005	-0.32078	-1.14462	0.295563	0.863971	DOWN	654.7402	654.7397	654.7425	9.825492	9.715683
4509	M372T11_	1.618661	0.6948	1.160781	0.295611	0.863971	UP	371.718	371.7176	371.7216	10.8926	10.82935
4510	M490T40_	1.160978	-0.21534	-1.13958	0.295631	0.863971	DOWN	490.2645	490.2642	490.2646	40.49617	40.22283
4511	M260T10_	1.206835	0.271229	1.124479	0.295642	0.863971	UP	260.4714	260.4712	260.4715	9.7759	9.65225
4512	M325T11_	1.487539	0.572928	1.141688	0.295667	0.863971	UP	325.2107	325.2104	325.2117	11.497	11.47593
4513	M333T18	206.1473	7.687531	1.201903	0.29569	0.863971	UP	333.2828	333.2827	333.2828	17.94383	17.92267
4514	M1005T10	1.530677	-0.61417	-1.11875	0.295728	0.863971	DOWN	1005.064	1005.06	1005.065	9.932033	9.9174

4515	M453T23	67.80001	6.083214	1.201552	0.295811	0.863971	UP	453.2588	453.2586	453.2593	22.52367	22.48267
4516	M464T42_	1.514863	0.599188	1.13229	0.295845	0.863971	UP	464.2849	464.2848	464.2852	41.733	41.34517
4517	M446T10_	1.445471	-0.53154	-1.11832	0.295885	0.863971	DOWN	445.751	445.7492	445.7513	9.94405	9.811217
4518	M480T10_	1.331365	-0.41291	-1.12439	0.295893	0.863971	DOWN	479.6337	479.6335	479.6349	9.831517	9.715683
4519	M730T10_	1.215669	-0.28175	-1.16006	0.29593	0.863971	DOWN	730.0517	730.0511	730.0525	9.825492	9.715683
4520	M398T9_6	1.324874	-0.40586	-1.11963	0.295934	0.863971	DOWN	398.2325	398.2308	398.2349	9.162008	9.1428
4521	M175T10_	1.388785	0.473823	1.166526	0.295953	0.863971	UP	174.8635	174.8634	174.8636	9.970617	9.859233
4522	M662T10_	1.294059	-0.3719	-1.1366	0.29596	0.863971	DOWN	661.7969	661.7965	661.798	9.830458	9.715683
4523	M380T9_3	1.372272	-0.45657	-1.11956	0.295997	0.863972	DOWN	379.8367	379.836	379.8378	9.280992	9.129317
4524	M507T9_2	8.4935	3.086359	1.200493	0.296009	0.863972	UP	507.3154	507.3149	507.3166	8.985867	8.889467
4525	M407T10_	1.306868	-0.38611	-1.15449	0.296033	0.863972	DOWN	407.2923	407.2921	407.2926	9.514733	9.40135
4526	M808T9_2	1.365499	-0.44943	-1.13814	0.296082	0.863972	DOWN	808.3935	808.3929	808.3956	9.3494	9.204617
4527	M1647T10	1.515748	0.60003	1.134063	0.296279	0.863972	UP	1647.012	1647.009	1647.013	9.972483	9.859233
4528	M226T12_	1.264629	-0.33871	-1.12037	0.296319	0.863972	DOWN	226.1079	226.1078	226.1079	11.50399	11.48757
4529	M1955T10	1.487735	-0.57312	-1.16849	0.296324	0.863972	DOWN	1954.787	1954.783	1954.788	9.948875	9.869467
4530	M982T28	1.272505	-0.34767	-1.12462	0.296355	0.863972	DOWN	981.6782	981.6779	981.6788	28.27217	28.23067
4531	M205T9_6	1.533283	-0.61662	-1.11732	0.296417	0.863972	DOWN	205.2776	205.277	205.278	9.278717	9.13445
4532	M331T9_8	1.266645	-0.34101	-1.1279	0.296507	0.863972	DOWN	331.1894	331.189	331.1897	9.322542	9.234417
4533	M289T7	1.854424	-0.89097	-1.15806	0.296564	0.863972	DOWN	289.1518	289.1517	289.1518	7.11425	7.111883
4534	M209T9_5	1.291268	-0.36879	-1.14881	0.296758	0.863972	DOWN	209.1646	209.1645	209.1647	9.311883	9.1445
4535	M1503T10	1.399718	-0.48514	-1.12151	0.296762	0.863972	DOWN	1502.724	1502.722	1502.725	9.965792	9.859233
4536	M662T10_	1.362842	0.446618	1.165365	0.29684	0.863972	UP	662.3164	662.3154	662.3171	9.967367	9.859233
4537	M188T11_	1.516404	0.600654	1.11577	0.296945	0.863972	UP	188.0734	188.0731	188.074	10.89907	10.88995
4538	M421T11_	1.143175	-0.19305	-1.11571	0.296963	0.863972	DOWN	421.0828	421.0825	421.0876	10.90519	10.879
4539	M739T10_	1.375728	-0.46019	-1.11577	0.29707	0.863973	DOWN	739.4523	739.4513	739.454	10.15822	10.1133
4540	M429T22_	1.271692	-0.34675	-1.1693	0.297081	0.863973	DOWN	429.3031	429.3026	429.3036	21.5535	21.4715
4541	M496T9_1	1.910123	0.933665	1.174638	0.297081	0.863973	UP	496.4217	496.4214	496.4221	9.327592	9.2946
4542	M687T10_	1.358876	0.442414	1.131164	0.297127	0.863973	UP	686.5931	686.5928	686.5938	9.9847	9.90755
4543	M658T9_2	1.270306	-0.34518	-1.12428	0.297133	0.863973	DOWN	658.0181	658.0175	658.0195	9.314442	9.234417
4544	M831T9_5	1.792963	-0.84235	-1.1205	0.297253	0.863973	DOWN	831.2568	831.2561	831.2575	8.683425	8.601067
4545	M562T43_	1.224706	-0.29244	-1.13383	0.297285	0.863973	DOWN	562.3219	562.3216	562.322	43.37333	43.215
4546	M710T10_	1.130036	-0.17637	-1.11508	0.297286	0.863973	DOWN	710.4524	710.4518	710.4535	9.88865	9.774967
4547	M536T38_	1.301026	0.37965	1.119253	0.297293	0.863973	UP	536.3061	536.3059	536.3065	38.07892	37.87767
4548	M537T10_	1.206112	-0.27036	-1.17663	0.29751	0.863973	DOWN	536.597	536.5966	536.5974	9.945258	9.843367
4549	M297T27	1.984168	0.988534	1.11552	0.297515	0.863973	UP	297.1824	297.1823	297.1828	26.695	26.66633

4550	M951T22	1.36399	-0.44783	-1.15668	0.297547	0.863973	DOWN	950.6625	950.6618	950.6635	22.13217	22.10917
4551	M465T23_	1.384165	-0.46902	-1.12231	0.297583	0.863973	DOWN	464.8302	464.83	464.8306	22.71217	22.6975
4552	M184T10_	94.79649	6.566762	1.196243	0.29765	0.863973	UP	184.1332	184.1329	184.1411	9.728817	9.52515
4553	M596T17	1.235673	-0.3053	-1.12163	0.297696	0.863973	DOWN	596.4155	596.4145	596.4167	16.93533	16.91267
4554	M575T10_	1.64039	0.714039	1.161993	0.297711	0.863973	UP	575.2374	575.2372	575.2383	9.994767	9.90755
4555	M437T25_	2.129877	1.09077	1.183359	0.297727	0.863973	UP	437.2271	437.2267	437.228	25.34917	25.26967
4556	M554T9_2	1.541715	-0.62454	-1.11394	0.297755	0.863973	DOWN	553.9161	553.9159	553.9172	9.29345	9.234417
4557	M696T28_	1.380468	0.465158	1.114156	0.297867	0.863973	UP	696.4292	696.4287	696.4295	27.52367	27.45433
4558	M337T25	33.20554	-5.05335	-1.1951	0.297978	0.863973	DOWN	337.1043	337.1042	337.1048	25.11567	25.0445
4559	M430T9_9	1.157392	-0.21088	-1.11332	0.298031	0.863973	DOWN	430.3889	430.3879	430.3909	9.311883	9.129317
4560	M434T9_1	1.252851	-0.32521	-1.11313	0.298036	0.863973	DOWN	434.392	434.3917	434.3922	9.285867	9.129317
4561	M342T10_	1.189925	-0.25087	-1.14969	0.298208	0.863974	DOWN	341.6188	341.6185	341.6192	9.8397	9.715683
4562	M355T43_	1.289987	-0.36736	-1.11332	0.298312	0.863974	DOWN	355.2112	355.2112	355.2114	43.143	43.0425
4563	M576T10_	1.410834	-0.49655	-1.11997	0.298388	0.863974	DOWN	575.8333	575.8332	575.8339	9.900133	9.79535
4564	M299T22_	1.121781	0.16579	1.112035	0.298425	0.863974	UP	299.2001	299.2	299.2005	21.93492	21.92333
4565	M230T13_	1.243549	-0.31446	-1.1504	0.298435	0.863974	DOWN	230.1749	230.1748	230.1751	12.60358	12.57248
4566	M358T38	1.261431	-0.33506	-1.16474	0.298451	0.863974	DOWN	358.2222	358.2221	358.2224	38.29483	38.17983
4567	M429T9_5	1.29636	-0.37447	-1.14828	0.298552	0.863974	DOWN	429.2003	429.1998	429.2027	9.255333	9.146383
4568	M245T43	1.170744	0.227426	1.165548	0.298563	0.863974	UP	245.138	245.138	245.1381	43.48817	43.30133
4569	M274T10_	1.410802	0.496516	1.128187	0.298622	0.863974	UP	274.1702	274.1647	274.1703	9.554883	9.27445
4570	M666T10_	1.263738	-0.3377	-1.12033	0.298623	0.863974	DOWN	665.9307	665.9295	665.9314	9.972917	9.885167
4571	M368T16	1.282346	-0.35879	-1.11148	0.2989	0.863974	DOWN	368.1394	368.1393	368.1397	15.96518	15.92052
4572	M454T9_1	1.474478	0.560204	1.135307	0.298938	0.863974	UP	453.8864	453.8857	453.8933	9.277967	9.216183
4573	M427T10_	1.139185	-0.188	-1.11606	0.29895	0.863974	DOWN	426.7184	426.7181	426.7185	9.922	9.827283
4574	M416T43_	1.265202	-0.33937	-1.17172	0.298957	0.863974	DOWN	416.2276	416.2276	416.2278	43.3875	43.31533
4575	M633T11_	1.265896	-0.34016	-1.11477	0.298988	0.863974	DOWN	633.2695	633.2692	633.2709	10.892	10.879
4576	M249T7_2	1.437353	-0.52341	-1.11057	0.299019	0.863974	DOWN	249.3552	249.3502	249.3595	6.830808	6.618967
4577	M186T10_	1.232048	-0.30106	-1.12943	0.299039	0.863974	DOWN	185.9292	185.9291	185.9293	9.91765	9.827283
4578	M454T37_	1.293313	-0.37107	-1.12324	0.299077	0.863974	DOWN	454.2644	454.2643	454.2654	37.41508	37.178
4579	M459T9_5	2.106681	-1.07497	-1.18816	0.299164	0.863974	DOWN	459.3039	459.3032	459.3047	8.88765	8.802417
4580	M242T11_	1.102025	-0.14016	-1.11292	0.299231	0.863974	DOWN	242.1749	242.1748	242.175	10.90659	10.89355
4581	M167T10_	1.211388	-0.27666	-1.14653	0.299257	0.863975	DOWN	167.472	167.4719	167.4724	9.825492	9.715683
4582	M243T11_	3.258544	-1.70423	-1.18607	0.299328	0.863975	DOWN	242.5756	242.5754	242.5758	10.89128	10.84847
4583	M281T9	1.548473	-0.63085	-1.12162	0.299368	0.863975	DOWN	280.5326	280.5197	280.5332	9.160617	8.9519
4584	M565T10_	1.192131	-0.25354	-1.11069	0.299385	0.863975	DOWN	565.3183	565.3177	565.3188	10.41845	10.3771

4585	M378T42_	3.303547	-1.72402	-1.18941	0.299415	0.863975	DOWN	378.2482	378.248	378.2484	41.84683	41.70483
4586	M464T18	1.430744	-0.51677	-1.12338	0.299466	0.863975	DOWN	464.3365	464.336	464.3369	18.16183	18.14667
4587	M449T9_3	1.251093	-0.32319	-1.11804	0.299493	0.863975	DOWN	448.6615	448.6562	448.6618	9.239042	9.0511
4588	M179T10_	1.187422	-0.24783	-1.11112	0.2995	0.863975	DOWN	178.5349	178.5348	178.535	9.934533	9.827283
4589	M341T10_	1.187189	-0.24755	-1.15362	0.299553	0.863975	DOWN	340.906	340.9058	340.9062	9.8397	9.715683
4590	M288T23_	1.56709	-0.64809	-1.10934	0.299581	0.863975	DOWN	288.1182	288.1128	288.1237	22.91467	22.84267
4591	M351T9_1	1.618328	-0.6945	-1.13288	0.299619	0.863975	DOWN	350.5885	350.5765	350.5901	9.1892	9.12675
4592	M816T10_	1.19249	-0.25398	-1.12887	0.299629	0.863975	DOWN	816.0205	816.0197	816.0216	9.917167	9.811217
4593	M430T10_	1.592136	0.670964	1.179182	0.299636	0.863975	UP	430.3223	430.3214	430.323	9.766367	9.649833
4594	M231T10_	1.649639	0.722151	1.172563	0.299894	0.863975	UP	231.2057	231.2053	231.2058	9.983467	9.8753
4595	M305T9_6	1.593242	-0.67197	-1.10828	0.29995	0.863975	DOWN	305.4163	305.4162	305.4164	9.457083	9.417317
4596	M299T30_	1.33015	0.411589	1.184161	0.29997	0.863975	UP	299.1615	299.1613	299.1615	29.83392	29.8195
4597	M888T10_	1.758216	-0.81411	-1.13981	0.3	0.863975	DOWN	888.3466	888.3443	888.3478	9.608133	9.478833
4598	M480T9_6	1.252281	-0.32456	-1.13465	0.300021	0.863975	DOWN	480.3012	480.301	480.3013	9.329083	9.219483
4599	M313T11	4.045407	2.016285	1.189012	0.300071	0.863975	UP	313.2486	313.2483	313.2489	11.19761	11.16928
4600	M496T29	1.452067	-0.53811	-1.10801	0.300231	0.863975	DOWN	496.3299	496.3283	496.3309	28.8185	28.779
4601	M1404T10	1.299731	0.378213	1.136179	0.300263	0.863975	UP	1404.278	1404.273	1404.279	9.917208	9.827283
4602	M194T11_	1.297318	-0.37553	-1.11739	0.300303	0.863975	DOWN	194.3342	194.334	194.3344	10.90765	10.88747
4603	M1837T10	1.552073	0.634196	1.127434	0.300363	0.863976	UP	1837.188	1837.186	1837.189	9.818142	9.758367
4604	M185T10_	1.203625	-0.26739	-1.13362	0.300363	0.863976	DOWN	185.324	185.324	185.3241	9.917167	9.811217
4605	M488T41_	1.102308	-0.14053	-1.16884	0.300385	0.863976	DOWN	488.285	488.2848	488.2851	41.09308	41.01417
4606	M311T10_	1.265736	-0.33998	-1.14933	0.300399	0.863976	DOWN	310.9781	310.9777	310.9783	9.979667	9.8914
4607	M427T11_	1.247329	-0.31884	-1.13315	0.300414	0.863976	DOWN	426.5136	426.5134	426.5204	10.90551	10.88747
4608	M569T9_6	1.671077	0.740779	1.158031	0.300429	0.863976	UP	569.3506	569.3494	569.3508	9.420133	9.355317
4609	M426T11_	1.12565	-0.17076	-1.13019	0.300442	0.863976	DOWN	426.2531	426.2529	426.2536	10.93928	10.91977
4610	M480T42_	1.139806	-0.18879	-1.16471	0.300459	0.863976	DOWN	480.2799	480.2798	480.28	42.43833	42.38067
4611	M276T11_	1.248837	-0.32059	-1.10728	0.300496	0.863976	DOWN	276.2839	276.2838	276.284	10.83417	10.83252
4612	M202T10_	16.66951	4.05914	1.188056	0.300512	0.863976	UP	202.1437	202.1434	202.1438	9.673333	9.626517
4613	M634T10_	1.240111	-0.31047	-1.10704	0.300547	0.863976	DOWN	634.0401	634.0398	634.0408	9.8207	9.699733
4614	M711T11_	1.300201	-0.37873	-1.1153	0.300555	0.863976	DOWN	711.3589	711.3585	711.3595	10.93208	10.84847
4615	M194T10_	1.330449	-0.41191	-1.12012	0.300668	0.863976	DOWN	193.6986	193.6985	193.7022	9.885167	9.7634
4616	M313T32	2.536881	1.343056	1.186328	0.300703	0.863976	UP	313.1432	313.1431	313.1433	32.08467	32.07
4617	M246T10_	1.335119	-0.41697	-1.15805	0.300756	0.863976	DOWN	246.189	246.1889	246.1896	9.960967	9.869467
4618	M551T10_	1.420403	0.5063	1.112488	0.300882	0.863976	UP	550.71	550.71	550.7102	9.983433	9.843367
4619	M376T28	1.497743	-0.58279	-1.10735	0.30096	0.863976	DOWN	375.6142	375.6139	375.6143	28.18533	28.15617

4620	M571T10_	1.522256	0.606211	1.119652	0.301022	0.863976	UP	570.6415	570.6409	570.6426	9.9847	9.8753
4621	M777T10_	1.120454	-0.16408	-1.1331	0.301049	0.863976	DOWN	776.6801	776.6792	776.6817	9.823575	9.715683
4622	M292T44_	1.373269	-0.45761	-1.12151	0.30109	0.863976	DOWN	292.1751	292.175	292.1752	43.898	43.70383
4623	M404T40_	1.19675	0.259122	1.166629	0.301127	0.863976	UP	404.264	404.2639	404.2643	39.676	39.53217
4624	M226T9_1	1.337251	-0.41927	-1.10644	0.301135	0.863976	DOWN	225.8385	225.8384	225.8386	9.280458	9.1445
4625	M363T11_	1.356894	-0.44031	-1.11709	0.301142	0.863976	DOWN	362.9366	362.9358	362.9377	10.90548	10.83417
4626	M416T44_	1.194366	0.256245	1.106945	0.301159	0.863976	UP	416.2278	416.2277	416.2279	44.34383	44.26467
4627	M348T10_	1.263196	-0.33708	-1.14613	0.301209	0.863976	DOWN	347.6104	347.6102	347.6111	9.830783	9.715683
4628	M435T10_	1.170799	-0.22749	-1.13055	0.30121	0.863976	DOWN	434.728	434.7276	434.7284	9.967367	9.843367
4629	M750T10_	2.018692	1.01342	1.119875	0.301261	0.863976	UP	749.8879	749.8847	749.8883	9.830833	9.7124
4630	M648T9_3	1.229641	-0.29824	-1.16969	0.301265	0.863976	DOWN	648.1363	648.1353	648.1368	9.2817	9.219483
4631	M415T42	1.416421	0.502251	1.119892	0.301406	0.863976	UP	415.2322	415.232	415.2325	42.11458	42.03533
4632	M656T10_	1.35774	-0.44121	-1.15056	0.30142	0.863976	DOWN	656.0784	656.0778	656.0787	9.8207	9.715683
4633	M546T37	1.228	-0.29631	-1.10735	0.301436	0.863976	DOWN	546.3269	546.3266	546.3272	37.02867	36.53933
4634	M379T10_	1.136609	-0.18474	-1.10445	0.301507	0.863977	DOWN	378.6128	378.6123	378.6136	9.924775	9.827283
4635	M1986T10	1.170245	-0.22681	-1.10756	0.30156	0.863977	DOWN	1985.822	1985.819	1985.824	9.8161	9.715683
4636	M576T9_6	1.243611	-0.31454	-1.14829	0.301662	0.863977	DOWN	576.149	576.1424	576.1496	9.239042	9.060817
4637	M284T27	1.390474	0.475577	1.126452	0.301693	0.863977	UP	284.2005	284.2	284.2009	27.08583	27.06967
4638	M240T18	11.08232	3.470188	1.184428	0.301791	0.863977	UP	240.2315	240.2315	240.2319	18.29667	18.261
4639	M807T10_	1.306552	-0.38576	-1.13966	0.301811	0.863977	DOWN	806.7191	806.7184	806.7196	9.915933	9.79535
4640	M482T30	1.899867	0.925898	1.11773	0.301823	0.863977	UP	482.3238	482.3236	482.3243	29.86267	29.80483
4641	M220T10_	1.360815	0.444471	1.14012	0.301905	0.863977	UP	219.8544	219.8541	219.8546	9.988125	9.8753
4642	M662T30	1.250604	-0.32262	-1.15348	0.301923	0.863977	DOWN	662.4956	662.4946	662.4965	30.26542	30.23783
4643	M213T9_7	1.655591	-0.72735	-1.11119	0.301987	0.863977	DOWN	212.8166	212.81	212.8219	9.295817	9.07525
4644	M288T23_	1.388206	0.473222	1.142599	0.302062	0.863977	UP	288.3749	288.3733	288.3751	22.88617	22.88583
4645	M387T10_	1.21429	-0.28011	-1.14745	0.302079	0.863977	DOWN	386.6414	386.641	386.6417	9.924308	9.827283
4646	M916T10_	1.302256	-0.38101	-1.11577	0.302115	0.863977	DOWN	916.1699	916.1691	916.1711	9.843017	9.728083
4647	M587T9_4	1.404397	-0.48995	-1.10307	0.302263	0.863977	DOWN	587.2811	587.2791	587.2825	9.275917	9.1602
4648	M458T9_3	1.406901	-0.49252	-1.10248	0.302313	0.863977	DOWN	457.9612	457.9602	457.9615	9.220933	9.1445
4649	M406T23	1.165215	-0.2206	-1.11199	0.302354	0.863977	DOWN	406.3522	406.3519	406.3525	22.69867	22.6975
4650	M733T10_	1.952424	0.965266	1.163679	0.302355	0.863977	UP	732.7863	732.7851	732.7868	9.76855	9.665433
4651	M705T33	1.395842	0.481136	1.105571	0.302403	0.863977	UP	704.5055	704.5044	704.5075	33.47025	33.39817
4652	M224T10_	1.721224	0.783435	1.129546	0.302424	0.863977	UP	224.2493	224.2407	224.2494	9.887133	9.779267
4653	M745T23	1.54615	-0.62868	-1.15752	0.302453	0.863977	DOWN	744.5285	744.5265	744.5291	22.524	22.498
4654	M340T10_	1.17366	-0.23101	-1.16465	0.30277	0.863978	DOWN	339.551	339.5509	339.5514	9.857275	9.73145

4655	M237T9_6	1.305849	-0.38499	-1.15285	0.302771	0.863978	DOWN	237.4728	237.472	237.4737	9.347667	9.132267
4656	M325T10_	2.171896	1.118955	1.165694	0.302782	0.863978	UP	325.1976	325.197	325.1979	9.8207	9.699733
4657	M654T10_	1.238613	-0.30873	-1.11887	0.302874	0.863978	DOWN	654.0631	654.0625	654.067	9.801833	9.522017
4658	M494T9_5	1.235912	-0.30558	-1.10141	0.30291	0.863978	DOWN	494.134	494.1338	494.1343	9.3261	9.2946
4659	M446T10_	1.208556	-0.27328	-1.10101	0.303048	0.863978	DOWN	445.7043	445.6956	445.7046	9.956417	9.77355
4660	M509T34	1.304716	-0.38374	-1.10807	0.303063	0.863978	DOWN	509.368	509.3674	509.3685	33.73	33.7155
4661	M505T30	1.144381	-0.19457	-1.1433	0.303146	0.863978	DOWN	505.313	505.3123	505.3132	30.26617	30.252
4662	M476T9_1	1.746555	0.804512	1.103018	0.303158	0.863978	UP	476.2297	476.226	476.2333	9.297008	9.132267
4663	M279T32_	1.230856	0.299662	1.173229	0.303158	0.863978	UP	279.1589	279.1588	279.1589	32.04892	32.041
4664	M387T12	1.301532	-0.38021	-1.1392	0.303175	0.863978	DOWN	387.2489	387.2488	387.249	12.19433	12.1357
4665	M304T12	7.40978	2.889431	1.178082	0.303195	0.863978	UP	304.2433	304.2426	304.2483	11.70838	11.52522
4666	M1337T10	1.134758	-0.18239	-1.13591	0.30321	0.863978	DOWN	1336.687	1336.685	1336.693	9.910075	9.806367
4667	M1138T10	4.52208	2.176986	1.178585	0.303235	0.863978	UP	1137.885	1137.878	1137.889	9.848417	9.80415
4668	M393T20_	1.877549	0.90885	1.103306	0.303246	0.863978	UP	393.282	393.2798	393.287	20.27992	20.23033
4669	M1827T10	1.522569	0.606508	1.156353	0.303369	0.863978	UP	1827.008	1827.005	1827.011	9.831517	9.715683
4670	M1768T10	1.380326	-0.46501	-1.10058	0.303371	0.863978	DOWN	1768.124	1768.121	1768.126	9.806942	9.699733
4671	M314T9_2	2.186274	-1.12847	-1.1601	0.303517	0.863978	DOWN	313.6923	313.692	313.6926	8.982542	8.863633
4672	M265T11_	1.487712	-0.5731	-1.11361	0.303593	0.863978	DOWN	265.3926	265.3925	265.3927	10.87436	10.83252
4673	M1458T10	1.384711	-0.46959	-1.10949	0.303647	0.863978	DOWN	1458.195	1458.194	1458.196	9.886433	9.77435
4674	M494T9_2	1.737282	0.796832	1.099492	0.303673	0.863978	UP	493.5628	493.5621	493.5633	9.246042	9.219483
4675	M701T10_	1.216207	0.282389	1.104342	0.303686	0.863978	UP	701.0125	701.0121	701.0133	9.871042	9.73145
4676	M192T9	1.22481	-0.29256	-1.10361	0.303692	0.863978	DOWN	192.097	192.0969	192.0971	9.28995	9.129317
4677	M741T9_3	1.15346	-0.20597	-1.1015	0.303722	0.863978	DOWN	741.3874	741.3869	741.3879	9.458142	9.355317
4678	M694T9_1	1.293569	-0.37136	-1.11889	0.30399	0.863979	DOWN	693.7186	693.7182	693.719	9.3332	9.234417
4679	M718T9_2	1.281689	-0.35805	-1.11095	0.304036	0.863979	DOWN	717.979	717.9769	717.9794	9.492792	9.40135
4680	M592T40_	1.113964	-0.1557	-1.09842	0.304043	0.863979	DOWN	592.3325	592.3324	592.3328	39.86317	39.79133
4681	M377T11_	1.35215	-0.43526	-1.09829	0.304048	0.863979	DOWN	376.547	376.5433	376.5471	10.91642	10.8926
4682	M394T11_	1.153093	-0.20551	-1.10157	0.304138	0.863979	DOWN	394.3176	394.3174	394.3178	10.575	10.55068
4683	M552T17_	1.288983	-0.36623	-1.09792	0.304191	0.863979	DOWN	552.2646	552.2642	552.2649	17.43917	17.39267
4684	M622T38	1.324963	-0.40595	-1.17454	0.304205	0.863979	DOWN	622.3434	622.3432	622.3437	38.06467	37.9215
4685	M333T12_	1.178892	-0.23743	-1.09859	0.304311	0.863979	DOWN	332.7272	332.7271	332.7273	11.74438	11.71363
4686	M643T18_	1.196643	-0.25899	-1.14838	0.30436	0.863979	DOWN	643.3084	643.3079	643.3085	17.59967	17.5405
4687	M752T10_	2.934223	1.552979	1.160364	0.304438	0.863979	UP	752.2678	752.2653	752.2682	9.830833	9.758367
4688	M612T9_7	1.717904	-0.78065	-1.10901	0.304498	0.863979	DOWN	612.0314	612.0228	612.0315	9.191283	9.130683
4689	M366T42	1.385923	0.470847	1.150353	0.304506	0.863979	UP	366.212	366.2119	366.2122	42.10717	42.09283

4690	M238T10_	2.719785	1.443492	1.174094	0.304507	0.863979	UP	238.1202	238.1201	238.1203	10.29527	10.23422
4691	M345T10_	1.241993	-0.31266	-1.12262	0.304573	0.863979	DOWN	344.6697	344.6692	344.6703	9.932033	9.843367
4692	M377T11_	1.214338	0.280171	1.125721	0.304601	0.863979	UP	377.2049	377.2045	377.205	10.54367	10.50338
4693	M283T19	1.365738	-0.44968	-1.10148	0.304603	0.863979	DOWN	283.1802	283.1799	283.1803	18.83475	18.804
4694	M351T17	1.479061	-0.56468	-1.10181	0.304659	0.863979	DOWN	351.1777	351.1774	351.1777	17.05183	16.95667
4695	M295T9_8	1.250615	-0.32264	-1.09975	0.304675	0.863979	DOWN	295.1955	295.1952	295.1956	8.985492	8.89395
4696	M454T11_	1.487037	-0.57244	-1.13606	0.304697	0.863979	DOWN	453.6775	453.6664	453.678	10.82878	10.75595
4697	M361T10_	1.210315	-0.27538	-1.09666	0.30473	0.863979	DOWN	361.3188	361.3183	361.3192	9.823933	9.729367
4698	M1037T10_	1.390241	-0.47534	-1.13379	0.304731	0.863979	DOWN	1036.852	1036.851	1036.853	9.8207	9.715683
4699	M340T10_	1.18341	-0.24295	-1.17337	0.304824	0.863979	DOWN	339.5346	339.5344	339.5352	9.823575	9.715683
4700	M755T10_	1.304921	0.383963	1.109641	0.304876	0.86398	UP	755.4492	755.4481	755.4502	9.817158	9.73145
4701	M398T12_	1.427859	0.513854	1.120847	0.304894	0.86398	UP	398.2904	398.2901	398.2905	12.38295	12.34017
4702	M632T10_	1.252934	0.32531	1.095752	0.305078	0.86398	UP	631.6981	631.6978	631.6986	10.40425	10.34372
4703	M316T9_6	1.955716	0.967697	1.119251	0.305212	0.86398	UP	316.3722	316.3715	316.3723	9.304792	9.234417
4704	M489T11_	1.093899	-0.12948	-1.09528	0.30527	0.86398	DOWN	488.6797	488.6792	488.6801	10.9212	10.88747
4705	M562T39_	1.100395	-0.13802	-1.09529	0.305307	0.86398	DOWN	562.3223	562.3218	562.3223	38.827	38.75517
4706	M564T37_	1.177084	-0.23522	-1.14692	0.305408	0.86398	DOWN	564.3011	564.301	564.3017	37.12258	37.043
4707	M926T10	1.63828	0.712182	1.110933	0.305414	0.86398	UP	925.6971	925.6968	925.6983	9.629008	9.510117
4708	M482T10_	1.270954	-0.34591	-1.09583	0.305491	0.86398	DOWN	481.5962	481.5958	481.5968	9.857683	9.78305
4709	M276T44_	1.197144	0.259596	1.165671	0.305518	0.86398	UP	276.1802	276.1801	276.1803	44.00592	43.94817
4710	M672T10_	1.927343	0.946614	1.158609	0.305544	0.86398	UP	672.1606	672.1602	672.1615	9.779267	9.743767
4711	M1719T10_	1.372428	-0.45673	-1.09874	0.305557	0.86398	DOWN	1719.114	1719.113	1719.118	9.917167	9.79535
4712	M433T10_	1.308585	-0.38801	-1.11298	0.305561	0.86398	DOWN	432.5442	432.5436	432.5446	9.914217	9.811217
4713	M490T10_	1.635138	0.709413	1.149345	0.305693	0.86398	UP	489.7636	489.7631	489.7641	9.772667	9.665433
4714	M157T10_	1.350046	-0.43301	-1.10349	0.305752	0.86398	DOWN	156.9889	156.9888	156.989	9.909483	9.811217
4715	M435T9_1	1.254401	-0.327	-1.09505	0.305881	0.86398	DOWN	435.3925	435.3923	435.3927	9.285867	9.129317
4716	M541T9_3	1.252517	-0.32483	-1.10208	0.30592	0.86398	DOWN	540.6046	540.6041	540.6049	9.4498	9.370583
4717	M793T10_	1.311153	-0.39084	-1.12991	0.305938	0.86398	DOWN	792.7796	792.7791	792.7814	9.90295	9.79535
4718	M203T10_	1.273837	-0.34918	-1.14741	0.305956	0.86398	DOWN	203.1407	203.1333	203.1408	9.823575	9.715683
4719	M741T9_1	1.22589	-0.29383	-1.09472	0.305977	0.86398	DOWN	740.8933	740.8929	740.8935	9.2386	9.129317
4720	M347T10_	1.231935	-0.30093	-1.14481	0.305996	0.86398	DOWN	347.0459	347.0458	347.046	9.825492	9.715683
4721	M965T11	1.209763	-0.27472	-1.1392	0.306042	0.863981	DOWN	964.5437	964.5427	964.5453	10.72301	10.59763
4722	M411T10_	1.11467	-0.15662	-1.10312	0.306088	0.863981	DOWN	411.341	411.3408	411.3412	10.31737	10.26307
4723	M1464T10	1.306945	-0.3862	-1.10849	0.30612	0.863981	DOWN	1463.82	1463.818	1463.822	10.10881	10.0118
4724	M633T25	3.342711	-1.74102	-1.17208	0.306132	0.863981	DOWN	633.4289	633.4288	633.4293	25.21983	25.18417

4725	M412T9_7	2.183531	1.126663	1.158506	0.306135	0.863981	UP	412.1547	412.1528	412.1579	9.256842	9.061
4726	M748T21	1.148066	-0.19921	-1.0993	0.306184	0.863981	DOWN	747.5297	747.5295	747.5299	21.32783	21.2995
4727	M407T10_	1.54636	0.628876	1.112954	0.306196	0.863981	UP	406.8394	406.838	406.8407	9.946892	9.55155
4728	M830T10_	1.310803	-0.39045	-1.09776	0.306217	0.863981	DOWN	830.1712	830.1701	830.1727	9.970617	9.859233
4729	M303T10_	1.176123	-0.23404	-1.15608	0.306273	0.863981	DOWN	302.9176	302.9174	302.9177	9.97155	9.859233
4730	M680T10_	1.392486	0.477663	1.128786	0.306278	0.863981	UP	680.4183	680.4162	680.4203	9.800633	9.728083
4731	M591T9_2	1.48229	0.567828	1.159103	0.306292	0.863981	UP	591.4566	591.4564	591.4572	8.780767	8.60815
4732	M795T10_	1.312389	-0.3922	-1.11498	0.306404	0.863981	DOWN	795.3101	795.3095	795.3106	9.886433	9.779267
4733	M365T10_	1.354095	0.437329	1.124541	0.306453	0.863981	UP	364.669	364.6682	364.6694	9.840617	9.715683
4734	M551T11_	1.200113	-0.26317	-1.09264	0.306486	0.863981	DOWN	551.0043	551.0037	551.0049	10.65006	10.629
4735	M299T31_	1.173713	0.23108	1.094293	0.306554	0.863981	UP	299.1615	299.1615	299.1615	31.13283	31.12367
4736	M656T10_	1.252132	-0.32439	-1.12617	0.306562	0.863981	DOWN	655.7312	655.7308	655.7319	9.825492	9.715683
4737	M481T11_	1.17076	-0.22745	-1.10721	0.306599	0.863981	DOWN	481.1195	481.1192	481.1198	10.90657	10.879
4738	M277T31	1.101202	-0.13908	-1.1042	0.306621	0.863981	DOWN	277.1795	277.1794	277.1797	31.105	31.10367
4739	M276T9_3	1.216428	-0.28265	-1.09194	0.306659	0.863981	DOWN	276.2352	276.2349	276.2355	8.763733	8.672483
4740	M317T7	1.337783	-0.41984	-1.09459	0.306669	0.863981	DOWN	317.1444	317.1444	317.1444	6.9975	6.996867
4741	M699T10_	3.322578	1.732303	1.168635	0.306761	0.863981	UP	699.0095	699.0089	699.0127	9.960817	9.859233
4742	M254T23_	1.269513	-0.34428	-1.09605	0.306804	0.863981	DOWN	254.0836	254.0833	254.084	23.39225	23.38033
4743	M228T9_1	1.361063	0.444734	1.119312	0.306832	0.863981	UP	228.0904	228.0902	228.0909	9.329875	9.132267
4744	M779T10_	1.864272	0.898612	1.15259	0.306874	0.863981	UP	778.9651	778.9625	778.9659	9.796792	9.715683
4745	M681T10_	1.852864	0.889757	1.167924	0.306887	0.863981	UP	681.4229	681.4222	681.4237	9.851025	9.715683
4746	M779T10_	1.214623	-0.28051	-1.09781	0.306923	0.863981	DOWN	778.6162	778.616	778.6162	9.534867	9.416817
4747	M385T9_5	1.568996	-0.64984	-1.12826	0.306943	0.863981	DOWN	384.9881	384.9879	384.9891	8.90515	8.863633
4748	M257T10_	1.519317	0.603423	1.155613	0.306958	0.863981	UP	257.2326	257.2322	257.2329	9.759167	9.636483
4749	M584T9_8	1.27444	-0.34986	-1.10681	0.307008	0.863981	DOWN	584.3809	584.3804	584.3812	8.939	8.877267
4750	M422T11_	2.639499	-1.40026	-1.09316	0.307051	0.863981	DOWN	422.2274	422.227	422.2281	10.98306	10.9626
4751	M821T10_	1.261532	-0.33518	-1.11684	0.307069	0.863981	DOWN	820.5347	820.5337	820.5351	9.924775	9.827283
4752	M245T11	2.066613	-1.04727	-1.1572	0.307074	0.863981	DOWN	245.1232	245.1145	245.1236	10.90765	10.879
4753	M282T19	7.961567	2.993052	1.169481	0.307113	0.863981	UP	282.2059	282.2059	282.2063	18.59733	18.58783
4754	M372T18	1.248027	-0.31965	-1.12254	0.307126	0.863981	DOWN	372.2641	372.2637	372.2645	17.59892	17.58517
4755	M684T14	1.220583	-0.28757	-1.09596	0.307224	0.863982	DOWN	683.53	683.5297	683.5305	14.13643	14.12183
4756	M326T9_1	1.269137	-0.34385	-1.09049	0.307253	0.863982	DOWN	325.6693	325.6691	325.6694	9.294408	9.129317
4757	M520T37_	1.137966	0.186458	1.091387	0.307298	0.863982	UP	520.3111	520.311	520.3113	36.62583	36.5105
4758	M318T9_1	1.266142	-0.34044	-1.11273	0.307407	0.863982	DOWN	318.0906	318.0903	318.0912	9.322542	9.234417
4759	M249T11_	1.113649	-0.15529	-1.09345	0.307416	0.863982	DOWN	248.6134	248.6132	248.6138	10.90551	10.879



4760	M363T9_2	1.292052	-0.36966	-1.11196	0.307417	0.863982	DOWN	363.4537	363.4519	363.4582	9.33005	9.166033
4761	M546T41_	1.23481	0.304289	1.122529	0.307426	0.863982	UP	546.3269	546.3267	546.3274	40.84133	40.5535
4762	M288T22_	1.097928	0.134783	1.099872	0.307449	0.863982	UP	288.2894	288.2892	288.2897	22.07925	22.0735
4763	M706T10_	1.239932	-0.31026	-1.12157	0.307519	0.863982	DOWN	706.1482	706.1476	706.1484	9.830083	9.699733
4764	M706T10_	1.26733	0.341792	1.101794	0.307525	0.863982	UP	705.9584	705.9573	705.9585	9.951283	9.843367
4765	M813T11_	1.188712	-0.2494	-1.09264	0.307593	0.863982	DOWN	812.5043	812.5039	812.5047	10.58424	10.5518
4766	M225T10_	1.26989	-0.3447	-1.10983	0.307597	0.863982	DOWN	224.8896	224.8894	224.8898	9.932442	9.827283
4767	M296T30_	135.0442	7.077288	1.167957	0.307691	0.863982	UP	296.2582	296.2581	296.2582	30.31017	30.31
4768	M716T9_3	1.283832	-0.36046	-1.10929	0.307723	0.863982	DOWN	715.9868	715.9865	715.9871	9.498117	9.416817
4769	M456T15	1.128225	-0.17405	-1.08982	0.307733	0.863982	DOWN	456.3577	456.3576	456.3579	15.33952	15.32205
4770	M284T9_6	1.286592	-0.36355	-1.11026	0.307739	0.863982	DOWN	284.1855	284.1854	284.1856	8.857667	8.772383
4771	M542T9_3	1.278586	-0.35455	-1.08927	0.30777	0.863982	DOWN	541.9006	541.9	541.9021	9.146533	9.126783
4772	M324T10_	1.20216	-0.26563	-1.09208	0.307817	0.863982	DOWN	323.8902	323.8901	323.8903	9.8207	9.715683
4773	M506T18	1.191261	-0.25249	-1.10845	0.307895	0.863982	DOWN	506.431	506.4305	506.4322	18.0005	17.96717
4774	M331T9_1	2.508982	-1.3271	-1.15386	0.307977	0.863982	DOWN	330.5004	330.4991	330.5005	9.07145	9.04725
4775	M188T11_	1.32402	-0.40493	-1.14106	0.308101	0.863982	DOWN	188.0485	188.0481	188.0492	10.9198	10.85018
4776	M589T11_	1.428444	-0.51444	-1.11132	0.308168	0.863982	DOWN	589.4325	589.4317	589.4336	10.6323	10.61337
4777	M819T21	1.202418	-0.26594	-1.1044	0.308213	0.863982	DOWN	818.584	818.5835	818.5843	21.24667	21.2265
4778	M275T21	1.585988	-0.66538	-1.11732	0.308276	0.863982	DOWN	275.1599	275.1591	275.1602	21.07375	21.0075
4779	M367T15	1.268614	-0.34325	-1.10638	0.308287	0.863982	DOWN	367.2952	367.295	367.2955	14.86834	14.80903
4780	M908T10_	1.280463	-0.35667	-1.10283	0.308364	0.863983	DOWN	907.5092	907.5075	907.5101	9.597067	9.510117
4781	M366T10_	1.265618	-0.33984	-1.08802	0.308427	0.863983	DOWN	365.8856	365.8856	365.8858	9.914217	9.811217
4782	M534T10_	1.295609	-0.37363	-1.10166	0.308457	0.863983	DOWN	533.7703	533.7702	533.7705	9.514733	9.40135
4783	M635T11_	1.169375	-0.22574	-1.09163	0.30852	0.863983	DOWN	635.475	635.4746	635.4754	11.39612	11.37047
4784	M492T10_	1.579791	0.659734	1.122207	0.30854	0.863983	UP	492.4831	492.4827	492.4835	9.9847	9.8914
4785	M412T9_4	2.162159	1.112473	1.161187	0.308572	0.863983	UP	412.0985	412.0973	412.0988	9.147367	9.129317
4786	M990T23	1.610288	0.687318	1.155	0.308585	0.863983	UP	989.5285	989.527	989.5292	23.36267	23.34933
4787	M535T25	1.549774	-0.63206	-1.08766	0.308588	0.863983	DOWN	535.2583	535.2577	535.2597	24.60717	24.5925
4788	M183T9_4	2.269767	1.182544	1.156552	0.308619	0.863983	UP	182.917	182.9168	182.9173	9.152542	9.142767
4789	M1479T10	1.332683	-0.41433	-1.10198	0.308728	0.863983	DOWN	1479.113	1479.112	1479.115	9.916483	9.79535
4790	M635T27	1.505131	0.589889	1.128049	0.308878	0.863983	UP	635.3762	635.3758	635.3765	27.3015	27.25583
4791	M153T9_1	1.654408	-0.72631	-1.08834	0.308893	0.863983	DOWN	152.6124	152.6123	152.6128	9.275917	9.24215
4792	M391T13	1.108288	-0.14833	-1.08811	0.308982	0.863983	DOWN	391.2951	391.295	391.2953	13.11228	13.08517
4793	M709T11_	1.364968	-0.44887	-1.12056	0.30905	0.863983	DOWN	709.495	709.4823	709.4957	10.90548	10.85018
4794	M536T9_2	2.535517	-1.34228	-1.15222	0.309056	0.863983	DOWN	536.0048	536.0044	536.012	9.355317	9.095133

4795	M404T11_	1.153702	-0.20627	-1.09032	0.309072	0.863983	DOWN	404.0686	404.0684	404.0688	10.892	10.879
4796	M359T10_	1.511129	0.595627	1.111782	0.30916	0.863983	UP	359.0852	359.085	359.0855	9.942317	9.843367
4797	M400T10_	1.779003	-0.83107	-1.138	0.309194	0.863983	DOWN	400.2519	400.2434	400.2522	10.06883	9.9677
4798	M312T28	2.928085	1.549957	1.158614	0.309197	0.863983	UP	312.253	312.2529	312.2532	28.36067	28.345
4799	M216T10_	1.576498	-0.65672	-1.12134	0.309198	0.863983	DOWN	215.7426	215.7414	215.751	9.831142	9.7124
4800	M672T10_	1.944558	0.959442	1.154049	0.309199	0.863983	UP	672.4716	672.4712	672.4718	9.9677	9.8914
4801	M310T12	3.407485	1.768708	1.162969	0.309211	0.863983	UP	310.2164	310.2158	310.2169	11.94348	11.9002
4802	M316T27_	1.181317	-0.2404	-1.11558	0.309248	0.863983	DOWN	316.3208	316.3206	316.3209	26.50017	26.36333
4803	M226T9_1	1.44786	-0.53392	-1.08646	0.309294	0.863983	DOWN	226.4669	226.461	226.4671	9.37135	9.129317
4804	M573T11_	1.230643	-0.29941	-1.0856	0.309334	0.863983	DOWN	573.2279	573.2275	573.2289	10.89193	10.8646
4805	M849T16_	5.676183	-2.50492	-1.16039	0.309355	0.863983	DOWN	848.6503	848.6496	848.6513	16.14095	16.09088
4806	M351T11_	1.186043	-0.24616	-1.1046	0.30955	0.863984	DOWN	350.9316	350.9314	350.9323	10.90519	10.877
4807	M224T11_	1.214662	-0.28055	-1.10214	0.309561	0.863984	DOWN	224.1031	224.103	224.1034	10.90659	10.879
4808	M643T9_5	1.573017	0.653534	1.100782	0.309619	0.863984	UP	643.3133	643.3076	643.3142	9.130042	9.07945
4809	M271T9_7	1.289684	-0.36702	-1.08642	0.309649	0.863984	DOWN	271.0191	271.0188	271.0193	8.761183	8.701267
4810	M512T9_4	1.39009	-0.47518	-1.08944	0.309725	0.863984	DOWN	511.9091	511.9089	511.9096	9.2529	9.1602
4811	M811T10_	1.151676	-0.20373	-1.10701	0.30977	0.863984	DOWN	810.8654	810.8649	810.8667	9.958617	9.843367
4812	M346T10_	1.184924	-0.24479	-1.11047	0.309772	0.863984	DOWN	346.1662	346.1661	346.1663	9.8207	9.715683
4813	M894T10_	1.230557	-0.29931	-1.11878	0.309801	0.863984	DOWN	894.2013	894.2004	894.2017	9.948875	9.843367
4814	M327T9_8	1.561279	-0.64273	-1.08477	0.309804	0.863984	DOWN	327.4646	327.4645	327.4648	9.28775	9.22495
4815	M701T26	1.427561	-0.51355	-1.08861	0.309886	0.863984	DOWN	701.4934	701.4933	701.4936	25.53625	25.337
4816	M356T19_	1.262955	-0.3368	-1.09125	0.309893	0.863984	DOWN	356.2411	356.2408	356.2413	19.05283	19.03833
4817	M229T10_	1.431065	-0.51709	-1.10011	0.309907	0.863984	DOWN	229.4889	229.4883	229.4896	9.82645	9.715683
4818	M159T10_	1.21918	-0.28591	-1.08691	0.309908	0.863984	DOWN	158.5923	158.5922	158.5925	9.950258	9.843367
4819	M574T10_	1.315762	-0.3959	-1.13184	0.309911	0.863984	DOWN	573.5329	573.5326	573.5347	9.902617	9.79535
4820	M643T30	1.302877	-0.3817	-1.11247	0.309965	0.863984	DOWN	643.4629	643.4623	643.4637	30.255	30.22367
4821	M1001T10	1.292648	-0.37033	-1.12435	0.309996	0.863984	DOWN	1000.734	1000.732	1000.735	9.960817	9.859233
4822	M1465T10	1.469038	-0.55487	-1.10157	0.310009	0.863984	DOWN	1464.823	1464.822	1464.825	10.14559	10.12053
4823	M387T14	1.181214	-0.24027	-1.08392	0.310054	0.863984	DOWN	387.2486	387.2486	387.2488	13.63903	13.60968
4824	M586T11_	1.19561	-0.25775	-1.10269	0.310107	0.863984	DOWN	585.9029	585.9023	585.9031	10.51568	10.47223
4825	M585T11_	1.182217	-0.24149	-1.0866	0.310209	0.863984	DOWN	585.2763	585.2749	585.2765	11.16452	11.16097
4826	M302T10_	1.302962	-0.38179	-1.09658	0.310331	0.863984	DOWN	302.079	302.0789	302.0792	9.8207	9.715683
4827	M799T10_	1.119492	-0.16284	-1.09001	0.310342	0.863984	DOWN	798.5066	798.5062	798.5068	10.05251	9.939683
4828	M372T19	1.293951	-0.37178	-1.11541	0.310371	0.863984	DOWN	372.2644	372.2641	372.2647	19.45908	19.442
4829	M820T10_	1.392746	-0.47793	-1.09454	0.310402	0.863984	DOWN	819.9886	819.9882	819.9891	9.902617	9.79535

4830	M672T10_	1.195958	-0.25817	-1.08384	0.31042	0.863984	DOWN	671.7553	671.7547	671.7556	9.82645	9.743667
4831	M266T15_	6.926782	2.792185	1.160107	0.310512	0.863984	UP	266.2113	266.2111	266.2113	14.85343	14.80818
4832	M309T10_	1.704867	0.769659	1.15335	0.310569	0.863984	UP	309.2367	309.2361	309.2418	9.633883	9.509533
4833	M350T43_	1.299009	-0.37741	-1.15351	0.310689	0.863984	DOWN	350.2171	350.217	350.2172	42.89858	42.79783
4834	M221T10_	2.108557	-1.07626	-1.10954	0.310694	0.863984	DOWN	220.8096	220.8094	220.8103	9.823225	9.715683
4835	M727T10_	1.170469	0.227086	1.086005	0.310714	0.863985	UP	727.2232	727.2229	727.2241	9.853633	9.6681
4836	M460T43_	1.232538	0.301632	1.15606	0.310719	0.863985	UP	460.2539	460.2537	460.2541	43.04233	42.97017
4837	M347T10_	1.209196	-0.27405	-1.14873	0.310731	0.863985	DOWN	347.2611	347.261	347.2612	9.831517	9.715683
4838	M248T11_	1.234722	-0.30419	-1.0913	0.310791	0.863985	DOWN	247.8809	247.88	247.8816	10.91371	10.87708
4839	M188T9_9	1.894115	-0.92152	-1.11862	0.310814	0.863985	DOWN	187.9961	187.9956	187.9967	9.170392	9.130683
4840	M334T9_2	1.214791	-0.28071	-1.08899	0.310819	0.863985	DOWN	333.5407	333.5397	333.5459	9.369867	9.110833
4841	M724T10_	1.613087	0.689824	1.125592	0.310856	0.863985	UP	723.9575	723.9562	723.9603	9.869467	9.743767
4842	M290T11_	1.24401	-0.315	-1.08364	0.310961	0.863985	DOWN	289.8562	289.856	289.8565	10.8926	10.83417
4843	M288T10_	1.131158	-0.1778	-1.09492	0.31099	0.863985	DOWN	287.751	287.7508	287.7512	9.939575	9.827283
4844	M688T10	1.261155	-0.33475	-1.12262	0.311044	0.863985	DOWN	688.1329	688.1321	688.1346	9.842908	9.747533
4845	M420T36	1.290493	0.367923	1.099274	0.311091	0.863985	UP	420.2227	420.2226	420.223	36.39542	36.15933
4846	M680T11_	1.154367	-0.2071	-1.08192	0.311133	0.863985	DOWN	680.4962	680.496	680.4966	10.98654	10.96452
4847	M996T12_	1.315499	-0.39561	-1.12096	0.311166	0.863985	DOWN	996.4874	996.4872	996.4878	12.07128	12.06042
4848	M193T9_7	1.729	0.789938	1.08134	0.311219	0.863985	UP	193.1573	193.1568	193.1579	9.111033	9.079083
4849	M230T10_	1.166398	-0.22206	-1.09313	0.311234	0.863985	DOWN	230.4892	230.4891	230.4893	9.943183	9.827283
4850	M247T11_	1.319899	-0.40043	-1.09046	0.311254	0.863985	DOWN	246.527	246.5267	246.5272	10.92349	10.8926
4851	M703T27_	1.594183	-0.67282	-1.08396	0.311354	0.863985	DOWN	703.0404	703.0393	703.0411	26.76658	26.73917
4852	M313T44_	1.662293	0.733175	1.143064	0.31137	0.863985	UP	313.2006	313.2006	313.2007	44.121	43.87667
4853	M629T11_	1.306816	-0.38606	-1.08402	0.31138	0.863985	DOWN	628.8901	628.8894	628.8911	10.89907	10.8646
4854	M537T19	1.197718	-0.26029	-1.09007	0.311498	0.863985	DOWN	537.4369	537.4363	537.4374	18.93	18.90133
4855	M687T10_	1.34825	0.431088	1.081004	0.311519	0.863985	UP	687.2859	687.2846	687.2878	9.811692	9.728083
4856	M1401T10	1.295052	0.37301	1.098805	0.311621	0.863985	UP	1400.894	1400.889	1400.897	9.924308	9.859233
4857	M283T10_	1.222936	-0.29035	-1.08822	0.311912	0.863986	DOWN	282.9505	282.9503	282.9505	9.939575	9.827283
4858	M1362T9	1.440163	-0.52623	-1.0799	0.311918	0.863986	DOWN	1361.995	1361.991	1362.004	9.263	9.06855
4859	M743T10_	1.225893	0.293833	1.08873	0.312001	0.863986	UP	743.4041	743.404	743.4043	10.10349	10.00428
4860	M479T12	1.133749	-0.1811	-1.08302	0.312088	0.863986	DOWN	479.403	479.4028	479.4032	11.72228	11.70755
4861	M201T9_9	2.153725	-1.10683	-1.08057	0.31213	0.863986	DOWN	200.7217	200.7209	200.7229	9.16125	9.132033
4862	M454T10_	1.1925	-0.25399	-1.11226	0.312273	0.863986	DOWN	453.7997	453.7995	453.7999	9.830733	9.73145
4863	M237T11_	1.440801	-0.52687	-1.09336	0.312294	0.863986	DOWN	236.6469	236.6467	236.6471	10.88747	10.84767
4864	M1054T10	1.381024	-0.46574	-1.11258	0.312393	0.863986	DOWN	1053.604	1053.603	1053.605	10.06681	9.971833

4865	M1738T10	1.358783	-0.44232	-1.08602	0.312459	0.863986	DOWN	1737.735	1737.733	1737.737	9.610767	9.49445
4866	M357T9_3	1.111146	-0.15205	-1.0996	0.312489	0.863986	DOWN	357.224	357.2236	357.2241	9.082292	9.04725
4867	M358T10_	1.134717	-0.18233	-1.14002	0.312587	0.863986	DOWN	357.6586	357.6584	357.6588	9.823575	9.699733
4868	M186T10_	1.489139	-0.57448	-1.11655	0.312598	0.863986	DOWN	185.6684	185.6683	185.677	9.916483	9.728083
4869	M843T10_	1.213795	-0.27953	-1.07741	0.312725	0.863986	DOWN	842.5332	842.5316	842.5338	10.12412	10.04355
4870	M389T10_	1.221532	-0.28869	-1.09042	0.312726	0.863986	DOWN	389.1183	389.1179	389.1186	9.917167	9.811217
4871	M650T10_	1.167688	-0.22365	-1.09212	0.312734	0.863986	DOWN	649.8838	649.8831	649.8851	9.887292	9.743767
4872	M401T11_	1.115792	-0.15807	-1.0788	0.312875	0.863986	DOWN	401.2632	401.2631	401.2637	10.90659	10.89355
4873	M345T9_8	1.350534	-0.43353	-1.07944	0.312905	0.863986	DOWN	344.9805	344.9802	344.9809	8.872733	8.85435
4874	M521T12	1.14735	-0.19831	-1.08229	0.312914	0.863986	DOWN	521.4056	521.4054	521.4058	12.01947	12.00275
4875	M1227T10	1.717675	0.780457	1.145351	0.31292	0.863986	UP	1227.169	1227.166	1227.172	9.794533	9.65225
4876	M342T9_5	50.89107	5.669341	1.153182	0.313032	0.863986	UP	342.4326	342.4325	342.4327	9.33735	9.146383
4877	M726T10_	1.195932	0.258135	1.121701	0.313048	0.863986	UP	725.5078	725.5073	725.5085	9.830833	9.7124
4878	M227T9_3	1.526644	-0.61036	-1.07671	0.31306	0.863986	DOWN	226.7933	226.7908	226.7956	9.280767	9.089733
4879	M629T9_1	1.254036	-0.32658	-1.0777	0.313097	0.863986	DOWN	629.3136	629.3134	629.3142	9.289925	9.234417
4880	M454T9_1	1.57609	0.65635	1.079601	0.313206	0.863987	UP	453.9222	453.9197	453.9278	9.355317	9.09495
4881	M325T9_8	1.247359	-0.31888	-1.07647	0.313281	0.863987	DOWN	325.1017	325.1016	325.102	9.311167	9.129317
4882	M275T11_	1.52076	0.604792	1.07646	0.313298	0.863987	UP	274.8101	274.8095	274.8105	10.892	10.88995
4883	M803T9	1.232453	-0.30153	-1.10128	0.313306	0.863987	DOWN	803.4823	803.4816	803.4827	9.17485	9.129317
4884	M192T15	1.147135	-0.19804	-1.07602	0.313308	0.863987	DOWN	192.138	192.138	192.1381	14.61876	14.5754
4885	M413T9_6	1.286189	-0.3631	-1.07602	0.313331	0.863987	DOWN	412.8455	412.8445	412.8472	9.264692	9.129317
4886	M613T11_	1.52375	0.607627	1.091523	0.31334	0.863987	UP	613.1865	613.1861	613.1887	10.91178	10.8646
4887	M470T10_	2.660241	1.411557	1.134532	0.313342	0.863987	UP	470.2588	470.2587	470.2595	9.650367	9.58735
4888	M536T42_	1.257407	0.330452	1.077533	0.313554	0.863987	UP	536.306	536.3058	536.3064	42.28	42.19367
4889	M225T10_	1.186699	-0.24695	-1.09289	0.313577	0.863987	DOWN	225.2715	225.2713	225.2716	9.917167	9.811217
4890	M423T11_	2.199572	1.137223	1.080423	0.313672	0.863987	UP	423.2908	423.2814	423.2953	10.97182	10.93097
4891	M809T10_	1.644241	0.717422	1.128301	0.313781	0.863987	UP	809.3731	809.3712	809.3739	9.951283	9.8378
4892	M664T10_	3.065636	1.616186	1.150603	0.313784	0.863987	UP	663.8846	663.8846	663.8858	9.81635	9.699733
4893	M339T9_3	1.1379	-0.18637	-1.07495	0.313785	0.863987	DOWN	338.9801	338.9797	338.9803	9.303467	9.129317
4894	M409T7	1.298102	-0.3764	-1.0767	0.313804	0.863987	DOWN	409.1828	409.1826	409.1833	7.153933	7.073883
4895	M278T11_	1.206023	-0.27026	-1.08769	0.313834	0.863987	DOWN	278.4212	278.4211	278.4214	10.90659	10.88747
4896	M311T10_	1.286027	0.362921	1.075509	0.313963	0.863987	UP	310.7106	310.7103	310.7108	9.6185	9.49445
4897	M217T10_	1.171881	-0.22883	-1.12161	0.314132	0.863987	DOWN	217.2216	217.2212	217.2221	9.90295	9.806367
4898	M383T14_	1.459349	-0.54533	-1.07732	0.314194	0.863987	DOWN	382.7874	382.7865	382.7877	14.18359	14.13505
4899	M477T11_	2.331947	1.221535	1.140292	0.314239	0.863987	UP	476.5191	476.5187	476.5197	10.8926	10.80695

4900	M299T42_	1.155551	-0.20858	-1.11396	0.314309	0.863987	DOWN	299.1486	299.1485	299.1488	42.49583	42.29483
4901	M510T22	1.162942	-0.21778	-1.07775	0.314342	0.863988	DOWN	510.3993	510.399	510.3999	21.76567	21.745
4902	M405T9_2	1.352775	-0.43592	-1.07404	0.314355	0.863988	DOWN	404.6315	404.6309	404.6317	9.2529	9.1587
4903	M652T11_	1.35795	-0.44143	-1.07619	0.314396	0.863988	DOWN	651.8396	651.8381	651.8398	10.8914	10.87487
4904	M768T9_2	1.318576	-0.39898	-1.07524	0.314457	0.863988	DOWN	768.4695	768.4688	768.4701	8.91235	8.877267
4905	M712T10_	1.13957	-0.18849	-1.07303	0.314579	0.863988	DOWN	711.9113	711.9104	711.9121	9.881233	9.747533
4906	M426T23	1.232427	-0.3015	-1.11193	0.314613	0.863988	DOWN	426.1866	426.1861	426.1872	23.0305	22.9725
4907	M749T11_	1.19918	-0.26205	-1.08104	0.314631	0.863988	DOWN	749.1376	749.1368	749.138	10.89728	10.8646
4908	M699T10_	2.597333	1.377031	1.145245	0.314666	0.863988	UP	699.304	699.3031	699.3048	9.825492	9.715683
4909	M1489T10	1.472423	-0.55819	-1.0736	0.314774	0.863988	DOWN	1488.529	1488.522	1488.53	9.949233	9.859233
4910	M1049T10	1.663816	0.734496	1.132222	0.314788	0.863988	UP	1049.2	1049.196	1049.201	9.756408	9.636483
4911	M416T9_1	1.32883	0.410157	1.09611	0.314813	0.863988	UP	415.5262	415.5249	415.532	9.333667	9.166033
4912	M705T10_	1.345295	0.427923	1.142219	0.314863	0.863988	UP	704.5018	704.5014	704.5022	9.857425	9.73145
4913	M786T24	1.639267	0.713051	1.094155	0.314906	0.863988	UP	786.4483	786.4482	786.4524	24.03033	24.00833
4914	M412T9_8	1.182286	0.241579	1.072163	0.314922	0.863988	UP	412.1952	412.1945	412.1956	9.081717	9.03845
4915	M421T7	1.395834	-0.48113	-1.08138	0.315017	0.863988	DOWN	420.8844	420.8842	420.8846	7.237825	7.152183
4916	M225T10_	1.181991	-0.24122	-1.08947	0.315047	0.863988	DOWN	225.002	225.0018	225.0021	9.917167	9.811217
4917	M225T10_	3.759341	1.91048	1.138037	0.315062	0.863988	UP	224.9518	224.9514	224.9523	9.830283	9.7124
4918	M385T10_	2.098169	-1.06913	-1.14567	0.31508	0.863988	DOWN	384.5502	384.545	384.5504	9.965792	9.830283
4919	M401T11_	1.598697	0.676897	1.076312	0.315097	0.863988	UP	401.404	401.3966	401.4081	10.91391	10.879
4920	M526T10_	1.268051	-0.34261	-1.07193	0.315272	0.863988	DOWN	526.0692	526.0685	526.0694	9.964417	9.859233
4921	M641T9_3	1.329326	-0.4107	-1.09299	0.315292	0.863988	DOWN	641.3972	641.3964	641.3975	9.279133	9.1602
4922	M273T10_	2.09822	-1.06917	-1.10661	0.31538	0.863988	DOWN	273.2072	273.207	273.2073	9.960817	9.843367
4923	M1650T10	1.414119	0.499904	1.099743	0.315455	0.863988	UP	1650.438	1650.432	1650.44	9.929783	9.827283
4924	M237T9_3	1.314183	-0.39417	-1.10909	0.315471	0.863988	DOWN	236.7418	236.7412	236.742	9.361017	9.241267
4925	M209T20	1.124437	-0.1692	-1.07077	0.315527	0.863988	DOWN	209.1534	209.1533	209.1536	19.78	19.75867
4926	M305T9_7	1.355868	-0.43922	-1.09824	0.315568	0.863989	DOWN	305.425	305.4247	305.4252	9.3332	9.234417
4927	M671T10_	1.519807	0.603888	1.126612	0.315591	0.863989	UP	670.7722	670.7717	670.7734	9.866	9.73145
4928	M599T9_2	2.412724	1.270663	1.134615	0.315605	0.863989	UP	599.0041	598.9971	599.0043	9.401917	9.370583
4929	M283T10_	2.576634	1.365487	1.092537	0.315606	0.863989	UP	283.1752	283.175	283.1775	9.95825	9.715683
4930	M1160T10	1.847183	0.885327	1.125282	0.315668	0.863989	UP	1159.811	1159.81	1159.812	9.740517	9.729367
4931	M333T10_	1.117995	-0.16091	-1.12366	0.315676	0.863989	DOWN	333.2806	333.2804	333.2813	9.8725	9.747533
4932	M514T9_1	1.454212	0.540237	1.093238	0.315687	0.863989	UP	513.7098	513.7096	513.7111	9.379767	9.204617
4933	M375T14_	1.309114	-0.38859	-1.07127	0.315703	0.863989	DOWN	375.2938	375.2934	375.294	13.7046	13.63893
4934	M556T9_3	1.233341	-0.30257	-1.07015	0.315771	0.863989	DOWN	555.7526	555.7483	555.7538	9.24945	9.146383

4935	M548T39_	1.462568	-0.5485	-1.13994	0.315904	0.863989	DOWN	548.3062	548.3059	548.3067	38.65467	38.49617
4936	M512T10_	1.304298	-0.38327	-1.07295	0.315907	0.863989	DOWN	512.232	512.2316	512.2323	9.967367	9.885167
4937	M725T3	1.72673	-0.78804	-1.09468	0.315944	0.863989	DOWN	724.5691	724.5686	724.5692	3.20385	3.107367
4938	M415T9_1	1.607238	-0.68458	-1.06969	0.315988	0.863989	DOWN	415.4695	415.4672	415.4705	9.382858	9.129317
4939	M1155T11_	1.118103	-0.16105	-1.07329	0.316026	0.863989	DOWN	1154.835	1154.835	1154.836	10.5188	10.47197
4940	M709T11_	1.199725	-0.2627	-1.07791	0.316064	0.863989	DOWN	708.5107	708.5106	708.5113	10.53335	10.50338
4941	M567T11_	1.14274	-0.1925	-1.06955	0.316125	0.863989	DOWN	567.4306	567.4303	567.431	10.5188	10.47197
4942	M556T9_4	1.337232	-0.41925	-1.07114	0.316225	0.863989	DOWN	555.8457	555.8406	555.8476	9.3474	9.204617
4943	M368T10_	1.358181	0.441676	1.11444	0.316232	0.863989	UP	367.5296	367.5293	367.537	9.970617	9.859233
4944	M311T10_	1.12509	-0.17004	-1.07929	0.316361	0.863989	DOWN	310.7589	310.7587	310.7592	10.28872	10.21468
4945	M178T9_4	3.843814	1.942538	1.141061	0.316365	0.863989	UP	177.845	177.844	177.8451	9.217308	9.0511
4946	M460T10_	1.406423	-0.49203	-1.08763	0.316375	0.863989	DOWN	459.9687	459.9678	459.9693	9.870408	9.732983
4947	M422T10_	1.513551	-0.59794	-1.10668	0.316393	0.863989	DOWN	421.7691	421.769	421.7697	10.06405	10.02042
4948	M299T38	1.471484	0.557272	1.139102	0.316423	0.863989	UP	299.1487	299.1486	299.1489	38.36667	38.28033
4949	M393T20_	1.0969	-0.13343	-1.06862	0.316423	0.863989	DOWN	393.3106	393.3105	393.3108	20.24492	20.23017
4950	M344T10_	1.697351	0.763285	1.137144	0.316462	0.863989	UP	343.8923	343.8921	343.8927	9.836042	9.73145
4951	M1986T10	1.360922	-0.44458	-1.11601	0.31656	0.863989	DOWN	1986.052	1986.051	1986.054	9.830733	9.728083
4952	M274T10_	1.394271	0.479511	1.100136	0.316577	0.863989	UP	274.2011	274.2006	274.2015	10.07741	9.988
4953	M661T10_	2.64416	1.40281	1.101981	0.316582	0.863989	UP	661.3763	661.3761	661.3779	9.856342	9.73145
4954	M697T9_3	1.312927	-0.39279	-1.0835	0.316657	0.863989	DOWN	696.613	696.6126	696.6137	9.322542	9.234417
4955	M1111T10	1.368019	-0.45209	-1.06999	0.316754	0.863989	DOWN	1110.723	1110.722	1110.724	9.946367	9.853533
4956	M170T10_	1.41078	-0.49649	-1.10463	0.316787	0.86399	DOWN	170.3937	170.3936	170.3938	9.830558	9.743667
4957	M1191T45	1.283707	0.360316	1.069071	0.316915	0.86399	UP	1190.804	1190.804	1190.805	44.9835	44.98283
4958	M358T10_	1.290752	0.368212	1.097971	0.316937	0.86399	UP	357.8293	357.829	357.8297	9.816242	9.699733
4959	M401T11_	2.014657	-1.01053	-1.07427	0.316947	0.86399	DOWN	401.1978	401.1866	401.1983	10.9198	10.84487
4960	M527T10_	1.752224	-0.80919	-1.11452	0.316958	0.86399	DOWN	527.3767	527.3756	527.3807	9.973467	9.853533
4961	M466T11_	1.33551	0.417391	1.087896	0.317044	0.86399	UP	465.6891	465.6888	465.6898	10.90765	10.879
4962	M206T9_2	1.98677	-0.99042	-1.11848	0.317085	0.86399	DOWN	206.4823	206.4734	206.4853	9.311883	9.0511
4963	M402T10_	1.159042	-0.21293	-1.11705	0.317106	0.86399	DOWN	402.1095	402.1091	402.1097	9.975142	9.8753
4964	M347T10_	1.376432	-0.46093	-1.10311	0.317122	0.86399	DOWN	346.7457	346.7456	346.7459	9.823575	9.728083
4965	M327T9_5	1.409201	-0.49488	-1.07395	0.317219	0.86399	DOWN	327.2014	327.2006	327.2134	8.867533	8.68525
4966	M311T10_	1.169235	-0.22556	-1.09256	0.317311	0.86399	DOWN	310.9152	310.915	310.9154	9.934533	9.827283
4967	M292T11_	1.285232	-0.36203	-1.06997	0.317343	0.86399	DOWN	291.7361	291.7359	291.7374	10.92431	10.87487
4968	M257T11_	1.329613	-0.41101	-1.07675	0.317365	0.86399	DOWN	257.2414	257.2411	257.2417	10.91386	10.88747
4969	M1010T10	1.803991	0.851192	1.115295	0.317385	0.86399	UP	1010.294	1010.292	1010.298	9.772883	9.73145

4970	M701T9_3	1.253469	-0.32593	-1.07764	0.317487	0.86399	DOWN	701.356	701.355	701.3565	9.317	9.234417
4971	M340T10_	1.180308	-0.23916	-1.10624	0.317544	0.86399	DOWN	340.4054	340.4052	340.4056	9.8397	9.715683
4972	M290T23_	1.196424	0.258728	1.076306	0.317544	0.86399	UP	289.715	289.7149	289.7153	22.90042	22.88567
4973	M319T11_	1.207939	-0.27255	-1.07276	0.317545	0.86399	DOWN	318.7563	318.7562	318.7565	10.875	10.84828
4974	M621T11_	1.278029	-0.35392	-1.06934	0.317722	0.86399	DOWN	620.8681	620.8679	620.8684	10.90551	10.8926
4975	M739T9_2	1.528188	-0.61182	-1.0704	0.317731	0.86399	DOWN	738.7661	738.7655	738.7667	9.100792	9.0637
4976	M255T18	1.361514	0.445212	1.137097	0.317776	0.86399	UP	255.1588	255.156	255.1589	18.006	17.98167
4977	M486T16	1.266215	-0.34052	-1.07277	0.317797	0.86399	DOWN	486.2719	486.2716	486.2721	16.02043	15.99393
4978	M780T10_	1.33031	-0.41176	-1.06553	0.317838	0.86399	DOWN	779.5838	779.583	779.585	9.967367	9.843367
4979	M426T24	1.162211	0.216872	1.072861	0.317857	0.86399	UP	426.2979	426.2976	426.2984	23.75933	23.7395
4980	M735T10_	1.413395	-0.49916	-1.06595	0.317958	0.86399	DOWN	734.6795	734.6791	734.6799	9.948875	9.853533
4981	M316T38_	1.114155	-0.15595	-1.0944	0.31798	0.86399	DOWN	316.1752	316.1751	316.1756	38.1795	37.94933
4982	M484T17_	1.171911	-0.22886	-1.06584	0.317986	0.86399	DOWN	484.389	484.3884	484.3897	16.9575	16.957
4983	M411T11_	1.113581	0.155206	1.086806	0.318016	0.863991	UP	410.5006	410.5	410.5011	10.90659	10.879
4984	M240T17	1.438414	-0.52448	-1.0654	0.318051	0.863991	DOWN	240.138	240.1376	240.1383	17.4085	17.3365
4985	M314T11_	1.284673	0.361401	1.073323	0.318053	0.863991	UP	314.0679	314.0677	314.0686	10.89125	10.87487
4986	M1030T16	1.147454	-0.19844	-1.0728	0.318142	0.863991	DOWN	1030.477	1030.476	1030.477	15.82633	15.7888
4987	M376T9_4	1.400209	-0.48564	-1.07271	0.318148	0.863991	DOWN	376.1289	376.128	376.1318	9.174967	9.12675
4988	M317T10_	1.157486	-0.211	-1.08202	0.318166	0.863991	DOWN	317.2329	317.2326	317.233	10.41082	10.32768
4989	M296T10_	1.375917	-0.46039	-1.07856	0.318212	0.863991	DOWN	295.6662	295.6659	295.6665	9.894683	9.806367
4990	M456T9_8	1.194039	0.25585	1.074922	0.318232	0.863991	UP	456.2208	456.2201	456.225	9.25985	9.12675
4991	M622T9_2	1.213901	-0.27965	-1.09407	0.318251	0.863991	DOWN	621.8336	621.833	621.835	9.398375	9.30965
4992	M545T10_	1.128078	-0.17387	-1.09143	0.318273	0.863991	DOWN	545.4361	545.4356	545.4375	9.957333	9.843367
4993	M480T9_3	1.312373	-0.39218	-1.06841	0.318318	0.863991	DOWN	479.6519	479.6517	479.6524	9.285508	9.1445
4994	M480T12	1.29761	0.375856	1.076727	0.318338	0.863991	UP	480.4064	480.4047	480.407	11.71363	11.67165
4995	M403T11_	1.891384	0.919442	1.065274	0.318375	0.863991	UP	403.2926	403.2825	403.2929	10.93413	10.85018
4996	M818T10_	1.180841	-0.23981	-1.08138	0.318396	0.863991	DOWN	817.8833	817.8824	817.8846	9.917167	9.811217
4997	M373T42_	1.303463	-0.38235	-1.12648	0.318476	0.863991	DOWN	373.2219	373.2219	373.222	42.45983	42.35183
4998	M227T9_6	1.37829	0.462879	1.066339	0.318572	0.863991	UP	226.9191	226.9178	226.9195	9.36515	9.11795
4999	M228T17	1.357328	-0.44077	-1.06351	0.318596	0.863991	DOWN	228.1955	228.1954	228.1956	17.27733	17.2485
5000	M568T11_	1.165183	-0.22056	-1.06527	0.318651	0.863991	DOWN	567.9322	567.9302	567.9327	10.54519	10.47197
5001	M562T10_	1.324922	-0.40591	-1.08875	0.318683	0.863991	DOWN	561.9404	561.9399	561.9406	9.514733	9.40135
5002	M213T11_	1.303635	-0.38254	-1.06335	0.318694	0.863991	DOWN	212.887	212.8865	212.8871	10.90553	10.85018
5003	M597T16	1.165144	-0.22051	-1.06781	0.318703	0.863991	DOWN	597.3408	597.3403	597.3409	15.85808	15.84798
5004	M368T11_	1.200412	0.263529	1.06523	0.318758	0.863991	UP	368.4766	368.4763	368.477	10.90553	10.879

5005	M293T14	1.114112	-0.15589	-1.0676	0.318882	0.863991	DOWN	293.2221	293.222	293.2223	14.06322	14.03425
5006	M246T11_	1.158652	-0.21245	-1.06695	0.318902	0.863991	DOWN	246.0277	246.0275	246.0278	10.89875	10.8646
5007	M755T30	1.127096	-0.17261	-1.06645	0.318913	0.863991	DOWN	754.5013	754.4993	754.5015	30.23767	30.23617
5008	M172T10_	1.399662	0.485079	1.106968	0.31898	0.863991	UP	171.9375	171.9374	171.9376	9.8397	9.728083
5009	M216T10_	1.276786	-0.35252	-1.06256	0.319021	0.863991	DOWN	216.4605	216.4529	216.4609	9.82645	9.696683
5010	M399T10_	1.201808	0.265206	1.103197	0.319042	0.863991	UP	398.5005	398.4998	398.5006	9.942317	9.843367
5011	M303T11_	1.478006	0.563652	1.112768	0.319049	0.863991	UP	302.6471	302.6468	302.6476	10.91407	10.82972
5012	M450T9_8	1.289784	-0.36713	-1.06297	0.319099	0.863991	DOWN	450.2859	450.2853	450.2867	9.230442	9.129317
5013	M363T11_	2.936114	1.553908	1.075572	0.319136	0.863991	UP	363.1527	363.1517	363.158	11.19758	11.16387
5014	M312T19	1.324861	-0.40584	-1.06232	0.319161	0.863991	DOWN	312.1885	312.1882	312.1887	18.92142	18.893
5015	M357T11_	6.381141	2.673814	1.13605	0.319168	0.863991	UP	357.2386	357.2382	357.2448	11.30267	11.28597
5016	M597T9	1.414882	0.500682	1.06361	0.319394	0.863992	UP	597.4703	597.4689	597.4789	9.085642	8.9997
5017	M533T14	1.287541	-0.36462	-1.06375	0.319419	0.863992	DOWN	533.3247	533.3239	533.3254	14.45823	14.39883
5018	M700T10_	3.669726	1.875672	1.133206	0.319457	0.863992	UP	700.4901	700.4894	700.4907	9.85525	9.758367
5019	M636T40_	1.211838	0.277197	1.093704	0.31947	0.863992	UP	636.3591	636.3588	636.3594	40.35233	40.03567
5020	M614T9_2	1.628501	-0.70354	-1.06752	0.319475	0.863992	DOWN	613.9462	613.9458	613.9469	9.098833	9.079083
5021	M396T10_	1.370599	-0.45481	-1.10021	0.319493	0.863992	DOWN	395.5263	395.5259	395.5331	9.958492	9.853533
5022	M815T10_	1.217243	-0.28362	-1.07619	0.319531	0.863992	DOWN	815.4826	815.4817	815.4837	9.930908	9.811217
5023	M253T10_	1.173516	-0.23084	-1.09432	0.319554	0.863992	DOWN	253.4299	253.4297	253.43	9.827158	9.683817
5024	M477T10_	1.634892	-0.7092	-1.08552	0.319554	0.863992	DOWN	476.8898	476.8895	476.8899	9.744183	9.729367
5025	M379T14_	7.15393	2.838736	1.135043	0.319679	0.863992	UP	379.2562	379.256	379.2566	14.31255	14.2583
5026	M318T9_7	1.962459	0.972663	1.061307	0.31983	0.863992	UP	317.8502	317.8499	317.859	8.861875	8.77435
5027	M330T9_4	1.339811	-0.42203	-1.06447	0.319918	0.863992	DOWN	329.689	329.6887	329.6892	9.317	9.234417
5028	M234T10_	1.123181	-0.16759	-1.06172	0.319918	0.863992	DOWN	234.4376	234.4374	234.4376	9.930908	9.827283
5029	M568T9_4	1.219996	-0.28688	-1.09388	0.319948	0.863992	DOWN	568.0395	568.0383	568.0398	9.44095	9.340183
5030	M427T35	2.485467	-1.31352	-1.12547	0.319956	0.863992	DOWN	426.8224	426.8221	426.8226	35.33383	35.31517
5031	M229T10_	1.230139	-0.29882	-1.08006	0.319956	0.863992	DOWN	228.5607	228.5606	228.5608	9.9014	9.79535
5032	M524T20_	1.505315	0.590066	1.111484	0.319958	0.863992	UP	524.3576	524.3574	524.3584	20.46275	20.4475
5033	M747T10_	2.821173	1.496295	1.132272	0.320095	0.863992	UP	746.5228	746.5106	746.5235	9.80915	9.45945
5034	M355T42_	1.252996	-0.32538	-1.12945	0.320159	0.863992	DOWN	355.2114	355.2114	355.2115	42.3805	42.30867
5035	M340T11_	1.206835	-0.27123	-1.07906	0.32022	0.863992	DOWN	340.1164	340.1164	340.1167	10.90659	10.879
5036	M464T10_	1.205292	-0.26938	-1.11564	0.320242	0.863992	DOWN	464.1362	464.1357	464.1422	9.830733	9.683817
5037	M388T43_	1.113839	-0.15554	-1.12856	0.320318	0.863992	DOWN	388.2327	388.2326	388.2328	43.04942	42.88417
5038	M518T31_	1.898424	-0.9248	-1.09202	0.320328	0.863992	DOWN	518.4037	518.4032	518.4045	31.3665	31.34917
5039	M1953T10	1.338436	-0.42055	-1.07315	0.320402	0.863992	DOWN	1953.265	1953.263	1953.266	9.823575	9.699733



5040	M209T10_	1.374968	0.459398	1.071639	0.320429	0.863992	UP	209.1979	209.1978	209.1979	9.810125	9.699733
5041	M405T11_	1.197252	-0.25973	-1.06833	0.320482	0.863992	DOWN	404.6184	404.6183	404.6191	10.93415	10.90785
5042	M815T12	1.46641	0.552289	1.081138	0.320495	0.863992	UP	814.589	814.5884	814.5894	12.3828	12.3538
5043	M363T9_1	1.612692	-0.68947	-1.09395	0.320528	0.863993	DOWN	362.5899	362.5889	362.5928	9.160467	9.110833
5044	M1423T10_	1.258579	-0.3318	-1.06094	0.320538	0.863993	DOWN	1422.693	1422.69	1422.698	9.934533	9.827283
5045	M858T10_	1.139804	-0.18879	-1.06522	0.320581	0.863993	DOWN	858.3575	858.357	858.3581	9.893742	9.79535
5046	M843T10_	1.12515	-0.17012	-1.06537	0.320584	0.863993	DOWN	843.0634	843.0625	843.0638	9.933	9.827283
5047	M764T11	1.260188	-0.33364	-1.06261	0.320605	0.863993	DOWN	763.9535	763.9533	763.9538	10.9049	10.879
5048	M479T10_	1.265723	-0.33996	-1.08071	0.320654	0.863993	DOWN	478.8834	478.8811	478.8845	9.824183	9.431017
5049	M543T24_	1.453366	-0.5394	-1.06435	0.320665	0.863993	DOWN	543.1342	543.1335	543.1348	23.91217	23.841
5050	M336T9_1	1.269425	-0.34418	-1.05868	0.320758	0.863993	DOWN	335.5891	335.5889	335.5892	9.294408	9.1445
5051	M244T11_	1.334811	-0.41664	-1.05937	0.320799	0.863993	DOWN	244.2633	244.263	244.2637	10.58136	10.4882
5052	M478T10_	1.425733	-0.5117	-1.08528	0.320892	0.863993	DOWN	477.9612	477.9591	477.9618	10.28954	10.095
5053	M754T10_	1.212753	-0.27829	-1.07067	0.32093	0.863993	DOWN	754.0051	754.0038	754.0065	9.930908	9.811217
5054	M177T11	1.18837	-0.24898	-1.06225	0.320997	0.863993	DOWN	177.1292	177.129	177.1292	10.90659	10.879
5055	M534T9_1	1.954926	0.967114	1.080951	0.320998	0.863993	UP	533.8713	533.8704	533.8716	9.217583	9.1011
5056	M435T9_1	1.403289	0.488813	1.085338	0.320998	0.863993	UP	435.4757	435.4752	435.476	9.25985	9.129317
5057	M203T13	1.796944	0.845545	1.127217	0.321092	0.863993	UP	203.1276	203.1274	203.1276	12.82793	12.79153
5058	M731T11_	1.210824	-0.27599	-1.05773	0.32112	0.863993	DOWN	731.009	731.0086	731.0096	10.892	10.879
5059	M704T9_2	125.7154	6.974018	1.131326	0.321149	0.863993	UP	703.7574	703.7563	703.7577	9.344617	9.146383
5060	M168T10_	1.263711	-0.33767	-1.0579	0.321228	0.863993	DOWN	167.8423	167.8421	167.8424	9.929017	9.811217
5061	M681T10_	1.734124	0.794207	1.125846	0.321321	0.863993	UP	681.4708	681.4701	681.4715	9.864467	9.747533
5062	M217T10_	1.688418	0.755672	1.129474	0.321328	0.863993	UP	217.0326	217.0325	217.041	9.918792	9.811217
5063	M231T10_	2.912987	1.542499	1.128987	0.321406	0.863993	UP	230.9037	230.9035	230.904	9.942317	9.843367
5064	M1487T10_	1.236768	-0.30658	-1.08069	0.321414	0.863993	DOWN	1486.615	1486.614	1486.616	9.916525	9.811217
5065	M365T9_1	1.255825	-0.32864	-1.05695	0.321419	0.863993	DOWN	365.3147	365.3137	365.3167	9.253508	9.06855
5066	M1240T11	1.288426	0.36561	1.066456	0.321422	0.863993	UP	1240.085	1240.083	1240.087	10.90765	10.87487
5067	M1091T10_	1.536579	0.619722	1.104122	0.321456	0.863993	UP	1091.311	1091.31	1091.313	9.909433	9.856867
5068	M680T10_	1.76967	-0.82348	-1.05854	0.321475	0.863993	DOWN	679.602	679.595	679.608	9.925342	9.8914
5069	M272T11_	1.511117	0.595615	1.074555	0.321576	0.863993	UP	272.1085	272.1083	272.1089	10.91167	10.85018
5070	M226T10_	1.193984	-0.25578	-1.07279	0.321612	0.863993	DOWN	225.5409	225.5408	225.5411	9.917167	9.811217
5071	M608T11	1.244855	-0.31598	-1.05718	0.321617	0.863993	DOWN	608.3333	608.333	608.3338	10.8926	10.87487
5072	M545T37	1.250357	-0.32234	-1.05665	0.321652	0.863993	DOWN	545.3657	545.3653	545.3661	37.0865	37.043
5073	M267T14	1.668351	0.738423	1.062816	0.321676	0.863993	UP	267.1756	267.1755	267.1762	14.28325	14.26818
5074	M695T12	1.19843	-0.26115	-1.05694	0.321699	0.863993	DOWN	694.5118	694.5112	694.5121	11.62178	11.59755

5075	M1134T10	1.36668	0.450676	1.06258	0.321767	0.863993	UP	1133.676	1133.673	1133.678	9.680325	9.571683
5076	M549T10_	1.146095	-0.19673	-1.07014	0.321789	0.863993	DOWN	549.0491	549.0487	549.0497	9.967367	9.843367
5077	M827T11	1.227672	-0.29593	-1.06848	0.321801	0.863994	DOWN	826.9379	826.9374	826.9403	10.89907	10.879
5078	M379T9_6	1.288016	-0.36515	-1.05667	0.321808	0.863994	DOWN	379.0696	379.0687	379.0739	9.264692	9.1445
5079	M1285T10	1.455456	0.541471	1.103623	0.321872	0.863994	UP	1284.941	1284.938	1284.945	9.931875	9.827283
5080	M384T11_	1.282846	-0.35935	-1.05576	0.321981	0.863994	DOWN	383.5459	383.5456	383.5461	10.90522	10.879
5081	M437T9_9	1.172781	-0.22993	-1.10199	0.322052	0.863994	DOWN	437.34	437.3399	437.3403	9.26575	9.146383
5082	M375T10_	1.109302	-0.14965	-1.07701	0.322111	0.863994	DOWN	374.5408	374.5403	374.5414	9.930142	9.827283
5083	M1260T11	1.18337	-0.2429	-1.08192	0.322126	0.863994	DOWN	1260.096	1260.095	1260.097	10.91987	10.877
5084	M803T26	1.19538	-0.25747	-1.05539	0.322132	0.863994	DOWN	802.5888	802.5883	802.5891	25.88083	25.85283
5085	M241T21	1.395653	-0.48094	-1.11997	0.322222	0.863994	DOWN	241.235	241.2349	241.2352	21.35675	21.33683
5086	M229T10_	1.413474	0.499246	1.067809	0.322235	0.863994	UP	229.2114	229.2114	229.2116	9.887133	9.806367
5087	M475T9_1	2.390911	1.25756	1.055512	0.322348	0.863994	UP	475.204	475.1997	475.2082	9.355317	9.1587
5088	M577T11_	1.282425	-0.35887	-1.05541	0.322366	0.863994	DOWN	577.0309	577.0303	577.0314	10.71547	10.69012
5089	M206T9_2	4.626498	2.209921	1.122433	0.322419	0.863994	UP	206.1966	206.188	206.1989	9.263783	9.0511
5090	M535T18	1.757502	0.813526	1.084447	0.322469	0.863994	UP	535.3377	535.337	535.3381	17.97333	17.95233
5091	M566T9_1	2.507592	-1.3263	-1.10206	0.322483	0.863994	DOWN	565.748	565.7466	565.7524	9.277967	9.205717
5092	M334T10_	1.192149	-0.25357	-1.08037	0.322547	0.863994	DOWN	333.5791	333.5789	333.5795	9.968992	9.859233
5093	M276T10_	1.401201	0.486664	1.104867	0.322555	0.863994	UP	276.2199	276.2198	276.2201	9.816183	9.699733
5094	M410T11_	1.233567	-0.30284	-1.11722	0.322598	0.863994	DOWN	409.683	409.6821	409.6839	10.91987	10.879
5095	M377T9_1	1.360012	-0.44362	-1.06055	0.32262	0.863994	DOWN	376.7313	376.7298	376.7348	9.311208	9.191133
5096	M245T12	2.01185	-1.00852	-1.10892	0.322821	0.863994	DOWN	245.1057	245.1052	245.1059	11.94868	11.87742
5097	M562T9	1.22228	-0.28957	-1.06562	0.322857	0.863994	DOWN	562.3076	562.307	562.3093	9.289725	9.1011
5098	M564T41_	1.65336	0.725401	1.115532	0.322914	0.863994	UP	564.3375	564.3374	564.3378	40.68192	40.49617
5099	M508T11_	1.285911	-0.36279	-1.05409	0.323034	0.863994	DOWN	507.7398	507.739	507.7401	10.90659	10.8646
5100	M656T10_	1.367196	0.45122	1.090349	0.323091	0.863995	UP	655.5879	655.5866	655.59	9.853633	9.73145
5101	M605T9_1	1.466178	-0.55206	-1.05354	0.323147	0.863995	DOWN	604.6021	604.6018	604.6062	9.346	9.191133
5102	M318T9_5	1.274683	-0.35014	-1.06869	0.323192	0.863995	DOWN	317.7822	317.782	317.7827	9.331083	9.234417
5103	M359T10_	1.791832	0.841435	1.119435	0.323248	0.863995	UP	359.4978	359.4975	359.4983	9.85525	9.73145
5104	M338T11_	1.107727	-0.1476	-1.06347	0.323271	0.863995	DOWN	338.2154	338.2153	338.2156	10.91376	10.89355
5105	M538T11_	2.254531	1.172827	1.116066	0.323463	0.863995	UP	537.9604	537.9599	537.9612	10.52195	10.47223
5106	M352T44_	1.395947	-0.48124	-1.1083	0.323488	0.863995	DOWN	352.1964	352.1963	352.1966	44.45875	44.14967
5107	M302T11_	1.394107	0.479342	1.078487	0.323525	0.863995	UP	301.7458	301.7452	301.7462	10.86008	10.8214
5108	M843T10_	1.290808	-0.36827	-1.06613	0.323547	0.863995	DOWN	843.498	843.4967	843.4993	9.932442	9.827283
5109	M622T41_	1.192833	0.254392	1.066431	0.323696	0.863995	UP	622.3434	622.3432	622.3438	41.244	40.99967

5110	M1500T10	1.596584	-0.67499	-1.05703	0.323735	0.863995	DOWN	1499.657	1499.654	1499.658	9.866292	9.779267
5111	M212T9_9	60.15248	5.910552	1.124071	0.323875	0.863995	UP	212.1182	212.1179	212.1183	8.961583	8.873867
5112	M263T10_	1.222289	0.289586	1.055393	0.323914	0.863995	UP	262.7751	262.775	262.7754	9.8207	9.715683
5113	M817T10_	1.205996	-0.27023	-1.07681	0.323932	0.863995	DOWN	817.3403	817.3395	817.3419	9.924308	9.811217
5114	M294T9_6	1.452164	-0.5382	-1.0526	0.324086	0.863995	DOWN	294.2729	294.2645	294.2731	9.275917	9.219483
5115	M445T10_	1.795017	-0.844	-1.10692	0.324129	0.863995	DOWN	444.8393	444.8385	444.8402	10.27026	10.1579
5116	M312T22_	1.439432	-0.5255	-1.05473	0.324132	0.863995	DOWN	312.2167	312.2165	312.2168	22.05983	22.03883
5117	M823T13	1.192456	-0.25394	-1.06518	0.324167	0.863995	DOWN	823.3575	823.3573	823.3581	12.96669	12.95183
5118	M579T10_	1.369974	-0.45415	-1.05671	0.324272	0.863995	DOWN	578.8634	578.8631	578.8637	9.642433	9.58735
5119	M340T10_	1.180878	-0.23986	-1.08998	0.324293	0.863995	DOWN	339.905	339.9048	339.9051	9.8397	9.715683
5120	M398T10_	1.134497	-0.18205	-1.05118	0.32436	0.863995	DOWN	397.6694	397.6691	397.6695	9.924308	9.811217
5121	M210T9_8	1.265405	-0.3396	-1.04999	0.324416	0.863996	DOWN	210.4651	210.465	210.4652	9.285867	9.129317
5122	M316T25	45.13512	-5.49618	-1.1226	0.324432	0.863996	DOWN	316.1256	316.1255	316.1259	25.11567	25.0985
5123	M355T11_	2.579212	1.36693	1.118944	0.324462	0.863996	UP	355.2591	355.2521	355.2592	10.7046	10.68992
5124	M273T30	1.643304	-0.7166	-1.08922	0.324496	0.863996	DOWN	273.2419	273.2417	273.2422	30.252	30.20983
5125	M412T9_1	1.157089	-0.2105	-1.06366	0.324498	0.863996	DOWN	412.344	412.3426	412.3441	9.239042	9.174967
5126	M412T9_3	1.219179	-0.28591	-1.05385	0.324505	0.863996	DOWN	412.036	412.0351	412.0378	9.246042	9.129317
5127	M404T43_	1.093045	-0.12835	-1.05154	0.32464	0.863996	DOWN	404.264	404.2638	404.2641	43.33017	43.20033
5128	M566T11_	1.13095	-0.17754	-1.05203	0.324678	0.863996	DOWN	566.4277	566.4274	566.428	10.5188	10.47197
5129	M284T9_3	1.354368	-0.43762	-1.05312	0.324743	0.863996	DOWN	283.8618	283.8614	283.862	9.486892	9.284283
5130	M213T10_	1.228822	-0.29728	-1.09323	0.324825	0.863996	DOWN	213.3539	213.3538	213.3541	9.8397	9.715683
5131	M532T10_	1.223445	-0.29095	-1.079	0.324854	0.863996	DOWN	532.3938	532.3934	532.3947	9.95385	9.843367
5132	M501T10_	2.171647	1.118789	1.114926	0.3249	0.863996	UP	501.4414	501.4398	501.442	9.77345	9.746783
5133	M541T21	1.337915	-0.41999	-1.08716	0.324937	0.863996	DOWN	541.3953	541.395	541.3957	21.048	20.9975
5134	M373T10_	1.327346	-0.40854	-1.07457	0.325045	0.863996	DOWN	373.4323	373.4322	373.4324	9.504583	9.416817
5135	M431T10_	1.641529	0.715041	1.055932	0.325092	0.863996	UP	431.4591	431.4587	431.4595	9.960817	9.859233
5136	M156T10_	1.402174	-0.48767	-1.09039	0.325177	0.863996	DOWN	156.2576	156.2573	156.2581	9.830083	9.715683
5137	M235T10_	3.103464	1.633879	1.120182	0.325206	0.863996	UP	234.9098	234.9096	234.9099	9.9847	9.859233
5138	M294T21_	5.388122	2.429783	1.120185	0.325338	0.863996	UP	294.2349	294.2344	294.235	21.17633	21.13067
5139	M496T9_1	1.363542	-0.44736	-1.05749	0.325421	0.863996	DOWN	495.57	495.5693	495.5736	9.363217	9.064833
5140	M536T11_	1.282621	-0.35909	-1.04801	0.325482	0.863996	DOWN	536.3287	536.3282	536.3292	10.58424	10.5191
5141	M291T11_	1.2545	-0.32711	-1.05042	0.325514	0.863996	DOWN	290.5491	290.5456	290.5528	10.93708	10.87765
5142	M454T10_	1.291816	0.3694	1.061309	0.325522	0.863996	UP	454.0663	454.0662	454.0666	9.975217	9.8753
5143	M325T10_	1.293964	0.371798	1.084986	0.325569	0.863996	UP	324.6305	324.6233	324.6307	9.960967	9.869467
5144	M242T14	8.488185	3.085456	1.117817	0.325651	0.863996	UP	242.1899	242.1897	242.1905	14.35583	14.31135

5145	M560T9_1	1.515201	-0.59951	-1.06637	0.325655	0.863996	DOWN	560.061	560.0602	560.0615	9.2796	9.234417
5146	M234T9_9	1.580111	0.660026	1.083538	0.325683	0.863997	UP	234.2242	234.2234	234.225	9.3139	9.146383
5147	M1069T10	1.374948	-0.45938	-1.06126	0.325695	0.863997	DOWN	1069.453	1069.45	1069.453	9.787633	9.6681
5148	M637T10_	1.112073	0.153252	1.054327	0.3258	0.863997	UP	637.4057	637.4055	637.4062	10.39613	10.34372
5149	M696T10_	1.794591	0.843655	1.091505	0.325801	0.863997	UP	696.1311	696.13	696.1314	9.95385	9.8378
5150	M354T11_	1.294451	-0.37234	-1.05659	0.325826	0.863997	DOWN	354.2569	354.2564	354.2572	10.51948	10.48782
5151	M386T10_	1.517883	-0.60206	-1.08874	0.325827	0.863997	DOWN	386.2119	386.211	386.2123	9.900133	9.811217
5152	M695T9_2	1.343819	-0.42634	-1.05758	0.325949	0.863997	DOWN	694.7138	694.7131	694.7142	9.317	9.219483
5153	M388T10_	1.20075	-0.26394	-1.05601	0.326025	0.863997	DOWN	388.1117	388.1114	388.112	9.917167	9.811217
5154	M469T9_8	1.151235	-0.20318	-1.04693	0.326031	0.863997	DOWN	469.3827	469.3822	469.3829	9.306817	9.16125
5155	M345T11_	1.356516	0.439906	1.061587	0.326107	0.863997	UP	344.6934	344.6917	344.6951	10.93097	10.8914
5156	M1439T10	1.282401	-0.35885	-1.07	0.326109	0.863997	DOWN	1438.894	1438.891	1438.895	9.956417	9.853533
5157	M380T9_7	1.460347	-0.54631	-1.05272	0.326163	0.863997	DOWN	380.3776	380.3774	380.3783	8.86875	8.803967
5158	M256T18	1.253997	-0.32653	-1.10199	0.326173	0.863997	DOWN	256.1692	256.1691	256.1692	18.31358	18.2905
5159	M243T11_	1.128169	0.173983	1.048741	0.326276	0.863997	UP	243.0806	243.0804	243.0811	10.93153	10.89355
5160	M839T10_	1.692132	0.758842	1.086919	0.326289	0.863997	UP	839.4376	839.4372	839.4382	9.983467	9.8753
5161	M272T9_4	1.408904	-0.49457	-1.05237	0.326328	0.863997	DOWN	272.47	272.4698	272.4703	8.827542	8.745033
5162	M396T42_	1.16438	-0.21956	-1.06479	0.326347	0.863997	DOWN	396.2225	396.2224	396.2227	41.5175	41.33667
5163	M655T10_	1.268092	-0.34266	-1.07393	0.326381	0.863997	DOWN	655.2981	655.2978	655.3003	9.828367	9.715683
5164	M410T9_5	1.424924	-0.51088	-1.04868	0.326465	0.863997	DOWN	409.8177	409.8172	409.8181	8.972817	8.924217
5165	M520T38_	1.181906	0.241115	1.108149	0.326478	0.863997	UP	520.2748	520.2746	520.2753	37.928	37.58983
5166	M674T10_	1.231756	-0.30072	-1.05848	0.326488	0.863997	DOWN	673.5865	673.5858	673.5871	9.816167	9.7124
5167	M677T10_	1.206401	-0.27071	-1.07168	0.32652	0.863997	DOWN	677.4956	677.4954	677.4957	9.534867	9.432183
5168	M214T9_1	2.072229	-1.05118	-1.05079	0.326656	0.863997	DOWN	213.5061	213.501	213.5072	9.18975	9.1503
5169	M338T25_	72.88708	-6.18759	-1.11667	0.326675	0.863997	DOWN	338.1076	338.1075	338.1077	25.11283	25.07217
5170	M458T11_	1.381795	-0.46654	-1.08013	0.326689	0.863997	DOWN	458.2741	458.2729	458.2747	11.08584	11.03898
5171	M1031T10	1.335155	-0.41701	-1.0636	0.326701	0.863997	DOWN	1030.937	1030.936	1030.938	9.80415	9.728083
5172	M1869T10	1.215053	-0.28102	-1.09536	0.326729	0.863997	DOWN	1869.425	1869.423	1869.427	9.830283	9.728083
5173	M475T9_1	3.410714	1.770074	1.07931	0.326791	0.863997	UP	475.1653	475.159	475.1736	9.38665	9.03715
5174	M1411T10	1.318805	0.399231	1.046829	0.326803	0.863997	UP	1411.22	1411.219	1411.222	9.977442	9.8753
5175	M644T10_	1.27378	0.349116	1.084874	0.326895	0.863997	UP	643.8859	643.8848	643.8868	9.744917	9.62055
5176	M702T10_	1.280199	-0.35637	-1.06306	0.326945	0.863997	DOWN	702.439	702.4384	702.4397	10.25792	10.18238
5177	M255T10_	1.369121	-0.45325	-1.04417	0.326994	0.863998	DOWN	255.4179	255.4178	255.4181	9.915583	9.811217
5178	M618T11	1.577911	0.658016	1.078418	0.327014	0.863998	UP	617.8039	617.8028	617.8043	10.89193	10.87487
5179	M521T11_	1.256966	-0.32995	-1.04395	0.327065	0.863998	DOWN	521.3023	521.3018	521.3036	10.9062	10.85018

5180	M578T9_2	1.255696	-0.32849	-1.04482	0.327094	0.863998	DOWN	578.0398	578.0381	578.041	8.94795	8.892117
5181	M1072T10	1.272627	-0.34781	-1.06551	0.327144	0.863998	DOWN	1072.247	1072.244	1072.248	9.803033	9.743667
5182	M490T42_	1.211807	0.27716	1.089984	0.327259	0.863998	UP	490.2644	490.264	490.2646	41.82658	41.7335
5183	M344T10_	1.758078	0.813999	1.097327	0.327275	0.863998	UP	344.4894	344.4891	344.4896	9.778967	9.6681
5184	M350T10_	1.228028	-0.29634	-1.07911	0.327276	0.863998	DOWN	349.6185	349.6183	349.6187	9.825492	9.715683
5185	M212T10_	1.592025	-0.67086	-1.04533	0.327284	0.863998	DOWN	212.0626	212.0624	212.0627	9.823317	9.715683
5186	M1046T11	1.275335	-0.35088	-1.06741	0.327286	0.863998	DOWN	1045.798	1045.798	1045.8	10.90657	10.879
5187	M190T9_4	1.422581	-0.50851	-1.0759	0.327351	0.863998	DOWN	189.7309	189.7304	189.7311	9.249033	9.132267
5188	M699T10_	1.342145	-0.42454	-1.06211	0.327453	0.863998	DOWN	698.7791	698.7789	698.7798	9.8207	9.715683
5189	M348T10_	1.093734	-0.12926	-1.0809	0.327647	0.863998	DOWN	347.9772	347.9768	347.9773	9.8725	9.747533
5190	M633T15	1.275958	0.351581	1.09045	0.327679	0.863998	UP	633.2724	633.2719	633.2739	14.59003	14.53128
5191	M482T34	1.157507	-0.21102	-1.04424	0.327721	0.863998	DOWN	482.3683	482.3679	482.3684	33.802	33.7875
5192	M333T10_	1.120958	-0.16473	-1.09911	0.327774	0.863998	DOWN	332.7958	332.7956	332.7965	9.8725	9.747533
5193	M283T11	1.859633	0.895018	1.042705	0.327806	0.863998	UP	282.5576	282.5572	282.5577	10.93338	10.90197
5194	M207T9_4	1.277307	-0.35311	-1.05915	0.327857	0.863998	DOWN	206.7487	206.7477	206.7527	9.35985	9.204617
5195	M779T10_	1.13965	-0.18859	-1.04677	0.327949	0.863998	DOWN	778.8859	778.8849	778.8875	9.923542	9.827283
5196	M346T10_	1.466822	-0.55269	-1.0469	0.32809	0.863998	DOWN	346.3161	346.3159	346.3162	9.816317	9.7124
5197	M221T10_	1.101084	-0.13892	-1.04705	0.328114	0.863998	DOWN	221.3998	221.3996	221.4001	9.934533	9.827283
5198	M656T10_	1.999998	0.999998	1.112476	0.328132	0.863998	UP	655.776	655.7758	655.7771	9.810167	9.715683
5199	M534T38_	1.225389	-0.29324	-1.04619	0.328146	0.863998	DOWN	534.3269	534.3267	534.3271	37.88517	37.3545
5200	M415T21	1.443571	0.529642	1.093166	0.328181	0.863998	UP	415.245	415.2442	415.2456	21.14517	21.1225
5201	M326T10_	1.74774	0.805491	1.065606	0.32819	0.863998	UP	325.6963	325.6956	325.6971	9.8322	9.743767
5202	M510T10_	1.198922	-0.26174	-1.08497	0.328251	0.863998	DOWN	510.3881	510.3878	510.3886	9.847133	9.747533
5203	M1803T10	1.468048	-0.5539	-1.06696	0.328353	0.863999	DOWN	1802.623	1802.622	1802.628	9.81635	9.7124
5204	M265T9_2	1.444064	0.530134	1.084188	0.328358	0.863999	UP	265.131	265.1308	265.1311	8.734483	8.623117
5205	M348T10_	2.203171	1.139582	1.10955	0.328409	0.863999	UP	347.8434	347.8432	347.844	9.886258	9.746783
5206	M315T42	1.235433	0.305017	1.09422	0.328582	0.863999	UP	315.1799	315.1798	315.1801	41.96333	41.791
5207	M1134T11	1.209137	-0.27398	-1.0452	0.328617	0.863999	DOWN	1133.857	1133.856	1133.857	10.5188	10.47223
5208	M416T44_	1.196484	0.258801	1.092471	0.328626	0.863999	UP	416.2639	416.2637	416.2642	43.67533	43.41383
5209	M245T14	2.058101	1.041314	1.093905	0.328681	0.863999	UP	245.1937	245.1936	245.1939	14.29753	14.22425
5210	M621T9_6	2.061052	1.043381	1.099768	0.328698	0.863999	UP	621.4018	621.4003	621.4027	9.489067	9.38595
5211	M751T10_	2.261184	1.177078	1.109679	0.328701	0.863999	UP	751.0495	751.0471	751.0505	9.839008	9.715683
5212	M959T9	1.608631	-0.68583	-1.04619	0.328782	0.863999	DOWN	958.9049	958.903	958.9082	8.90275	8.601067
5213	M200T9_2	1.60044	0.678469	1.049341	0.328885	0.863999	UP	200.3031	200.3029	200.3035	9.23175	9.1428
5214	M335T10_	2.390834	1.257514	1.103186	0.328938	0.863999	UP	335.4773	335.4769	335.4777	9.799833	9.65225

5215	M771T10_	1.293778	-0.37159	-1.07571	0.328939	0.863999	DOWN	770.9558	770.9549	770.9563	10.45776	10.39197
5216	M588T9_1	1.442475	-0.52855	-1.04139	0.328966	0.863999	DOWN	587.7855	587.7825	587.7869	9.317	9.234417
5217	M669T14	1.197003	-0.25943	-1.06235	0.328988	0.863999	DOWN	669.495	669.4944	669.4958	14.48749	14.4715
5218	M704T10_	1.658345	0.729744	1.077328	0.329042	0.863999	UP	703.7455	703.7452	703.7463	9.95385	9.843367
5219	M303T10_	1.424891	0.510852	1.10393	0.329073	0.863999	UP	303.2022	303.1919	303.2054	9.946367	9.816183
5220	M454T11_	1.389858	0.474938	1.09587	0.329116	0.863999	UP	454.4552	454.455	454.4553	10.90765	10.873
5221	M705T10_	1.37405	-0.45843	-1.04975	0.329196	0.863999	DOWN	705.2768	705.2765	705.2773	9.828367	9.715683
5222	M1134T10	1.375724	-0.46019	-1.04723	0.329255	0.863999	DOWN	1134.273	1134.273	1134.275	9.956417	9.8753
5223	M721T9_1	1.545914	-0.62846	-1.07828	0.329275	0.863999	DOWN	720.6501	720.6494	720.6512	9.311167	9.22495
5224	M225T10_	1.205092	-0.26914	-1.0639	0.329289	0.863999	DOWN	225.0804	225.0802	225.0804	9.924308	9.811217
5225	M364T11_	1.246146	-0.31747	-1.03932	0.329292	0.863999	DOWN	363.866	363.8645	363.8663	10.91519	10.86008
5226	M510T45	1.274816	-0.35029	-1.10494	0.329332	0.863999	DOWN	510.2903	510.2901	510.2905	44.89733	44.79667
5227	M448T10_	1.456938	-0.54294	-1.07039	0.329353	0.863999	DOWN	447.9551	447.9546	447.9556	9.9351	9.8378
5228	M483T17	1.388855	-0.4739	-1.03889	0.329397	0.863999	DOWN	483.3422	483.3418	483.3426	17.292	17.232
5229	M283T10_	2.528667	1.338377	1.107454	0.329458	0.863999	UP	282.9629	282.9627	282.963	9.983433	9.8753
5230	M331T23	1.496443	0.581537	1.039307	0.329494	0.863999	UP	331.1513	331.1509	331.1529	23.39467	23.3365
5231	M722T10_	2.33448	1.223101	1.096586	0.329533	0.863999	UP	722.4598	722.4592	722.4602	9.798392	9.715683
5232	M202T11_	1.173251	-0.23051	-1.06562	0.329597	0.863999	DOWN	201.8704	201.8702	201.8704	10.91371	10.873
5233	M212T9_1	1.422901	-0.50883	-1.09629	0.329659	0.864	DOWN	212.4952	212.4929	212.4995	9.303167	9.0511
5234	M657T10_	1.270265	0.345129	1.10712	0.329662	0.864	UP	656.774	656.7738	656.7743	9.830458	9.715683
5235	M523T9_4	4.334111	2.115736	1.106915	0.329671	0.864	UP	523.2107	523.2075	523.2121	9.150817	9.064833
5236	M1229T45	1.069553	0.097008	1.041974	0.329721	0.864	UP	1228.873	1228.872	1228.873	44.98333	44.98283
5237	M351T9_9	1.213598	0.279291	1.037633	0.329821	0.864	UP	351.1077	351.1076	351.1077	9.481492	9.416817
5238	M571T30	1.17338	-0.23067	-1.03953	0.329975	0.864	DOWN	571.382	571.3813	571.3839	29.81933	29.7905
5239	M393T28	1.736873	0.796492	1.058904	0.330006	0.864	UP	392.7442	392.7438	392.7445	27.83483	27.76717
5240	M501T21	1.135984	-0.18394	-1.03955	0.330077	0.864	DOWN	501.4005	501.4001	501.4006	20.80892	20.79633
5241	M302T10_	1.287102	0.364126	1.036987	0.33013	0.864	UP	302.3713	302.3712	302.3713	9.960967	9.8914
5242	M161T9_6	1.70607	-0.77068	-1.09218	0.330265	0.864	DOWN	161.4764	161.4759	161.4767	9.333667	9.234417
5243	M407T10_	3.351317	1.744728	1.106552	0.330377	0.864	UP	407.3157	407.3154	407.3263	9.960967	9.84525
5244	M696T12	1.169635	-0.22606	-1.04112	0.330404	0.864	DOWN	695.5154	695.5147	695.517	11.59755	11.57545
5245	M335T9_1	1.351904	-0.43499	-1.04294	0.330419	0.864	DOWN	335.4042	335.4027	335.4103	9.255825	9.1503
5246	M204T10_	1.111513	-0.15252	-1.05162	0.330469	0.864	DOWN	204.2543	204.2542	204.2545	9.874067	9.779267
5247	M355T9_2	1.380018	-0.46469	-1.03671	0.330479	0.864	DOWN	354.9802	354.9797	354.9804	8.889467	8.83365
5248	M820T10_	1.223562	-0.29109	-1.05983	0.330628	0.864	DOWN	820.4196	820.4187	820.4202	9.930908	9.827283
5249	M333T10_	1.759842	0.815446	1.101712	0.330636	0.864	UP	333.4517	333.4513	333.4522	9.839008	9.715683

5250	M418T9_1	1.195736	-0.2579	-1.03796	0.330649	0.864	DOWN	417.7432	417.7423	417.7441	9.2079	9.129317
5251	M335T32	1.654308	0.726228	1.092923	0.330732	0.864	UP	335.125	335.125	335.1252	32.08483	32.07033
5252	M822T36	3.386417	-1.75976	-1.09724	0.330736	0.864	DOWN	821.6036	821.6031	821.6042	35.50875	35.48283
5253	M692T11_	1.17346	0.230769	1.091737	0.330771	0.864	UP	692.0078	692.0074	692.0092	10.81661	10.75312
5254	M235T9_1	1.469182	0.555013	1.062262	0.330777	0.864	UP	235.263	235.2598	235.2654	9.3471	9.032567
5255	M221T10_	1.370328	-0.45452	-1.07483	0.330811	0.864	DOWN	220.6139	220.6137	220.614	9.934533	9.827283
5256	M283T16	3.650213	1.867981	1.104797	0.330919	0.864	UP	283.115	283.1148	283.1174	15.73027	15.49727
5257	M651T10_	1.256106	-0.32896	-1.04896	0.330927	0.864	DOWN	651.3642	651.3632	651.3648	10.40322	10.34372
5258	M264T9_8	1.588405	-0.66758	-1.05586	0.330931	0.864	DOWN	264.4992	264.4987	264.4994	9.3332	9.275917
5259	M1844T10	1.526361	0.610096	1.083134	0.330948	0.864	UP	1844.324	1844.314	1844.327	9.975217	9.8753
5260	M1029T16	1.13887	-0.1876	-1.03809	0.331057	0.864001	DOWN	1029.473	1029.473	1029.474	15.83321	15.7888
5261	M640T9_1	1.325329	-0.40635	-1.04033	0.33108	0.864001	DOWN	639.8451	639.8445	639.8455	9.294467	9.129317
5262	M495T9_9	1.247806	-0.31939	-1.05416	0.331145	0.864001	DOWN	495.2758	495.2756	495.276	9.349175	9.30965
5263	M965T10_	1.42287	0.508803	1.051539	0.331156	0.864001	UP	965.1651	965.1634	965.1661	9.960817	9.843367
5264	M885T11_	1.167365	-0.22326	-1.03496	0.331216	0.864001	DOWN	884.9885	884.9862	884.989	10.92253	10.85018
5265	M1361T10	1.302406	-0.38118	-1.03469	0.331321	0.864001	DOWN	1360.851	1360.851	1360.853	9.825492	9.699733
5266	M372T10_	1.285089	-0.36187	-1.0341	0.331338	0.864001	DOWN	371.7715	371.7709	371.7718	9.972917	9.8753
5267	M532T20	1.283344	-0.35991	-1.04384	0.331355	0.864001	DOWN	532.3812	532.3811	532.3813	19.96242	19.9555
5268	M462T42	2.518597	-1.33262	-1.09891	0.331358	0.864001	DOWN	462.2694	462.2693	462.2695	42.38058	42.26583
5269	M396T9_9	1.332819	-0.41448	-1.03386	0.331448	0.864001	DOWN	396.0597	396.0581	396.0597	9.159717	9.09495
5270	M530T35	2.456445	-1.29657	-1.10336	0.331515	0.864001	DOWN	529.8834	529.8832	529.884	35.0285	34.99283
5271	M786T10_	1.122902	-0.16723	-1.03409	0.331538	0.864001	DOWN	786.4171	786.4163	786.4176	9.544775	9.432183
5272	M713T9	1.765793	-0.82032	-1.04294	0.331564	0.864001	DOWN	712.6498	712.6492	712.6499	8.638817	8.578067
5273	M386T10_	1.196855	-0.25925	-1.04273	0.331572	0.864001	DOWN	386.3885	386.3881	386.3889	9.917167	9.811217
5274	M378T10_	3.672431	1.876735	1.102139	0.331573	0.864001	UP	377.8501	377.8496	377.8504	9.975217	9.8753
5275	M176T11_	1.360177	-0.44379	-1.07001	0.331674	0.864001	DOWN	176.1536	176.1534	176.1537	10.89728	10.87487
5276	M378T9_1	1.830145	0.871958	1.090758	0.331701	0.864001	UP	378.4107	378.4088	378.4122	9.20785	9.129317
5277	M398T9_1	1.940107	0.956136	1.079162	0.331704	0.864001	UP	397.5206	397.5194	397.5225	9.311883	9.147367
5278	M488T10_	1.399503	0.484915	1.070549	0.331727	0.864001	UP	487.5258	487.5255	487.5262	9.872883	9.732983
5279	M526T34	1.172534	-0.22963	-1.0514	0.331804	0.864001	DOWN	526.3944	526.3942	526.3948	33.74425	33.71567
5280	M639T10_	1.105775	-0.14506	-1.04709	0.331865	0.864001	DOWN	639.4901	639.4894	639.4933	9.830558	9.715683
5281	M564T11_	1.235321	-0.30489	-1.03289	0.331866	0.864001	DOWN	564.0074	564.0071	564.008	10.64878	10.61512
5282	M548T10_	1.407323	0.492954	1.064227	0.331868	0.864001	UP	547.7741	547.7737	547.7747	9.967367	9.843367
5283	M888T10_	1.118483	-0.16154	-1.0333	0.332025	0.864001	DOWN	888.1617	888.1607	888.1625	9.930908	9.827283
5284	M1643T10	1.670195	0.740016	1.077022	0.33214	0.864001	UP	1643.411	1643.408	1643.413	9.964417	9.843367

5285	M523T10_	1.203217	-0.2669	-1.03226	0.332144	0.864001	DOWN	522.7988	522.7976	522.8002	9.915583	9.79535
5286	M333T12_	1.579373	-0.65935	-1.04097	0.332145	0.864001	DOWN	333.2288	333.2285	333.2291	11.72985	11.71363
5287	M741T28	1.464869	0.550771	1.046365	0.332243	0.864001	UP	741.4593	741.4589	741.4599	27.70267	27.62467
5288	M608T10_	1.323254	-0.40409	-1.04527	0.332311	0.864001	DOWN	608.2602	608.2597	608.2604	9.600775	9.49445
5289	M686T10_	1.16613	-0.22173	-1.04172	0.332324	0.864001	DOWN	685.5105	685.5098	685.5109	9.8207	9.715683
5290	M270T10_	1.571227	0.651891	1.087445	0.332431	0.864002	UP	269.9617	269.9616	269.9618	9.75145	9.649833
5291	M361T9_7	2.206927	1.142039	1.066423	0.332548	0.864002	UP	361.3075	361.3064	361.3098	9.146383	9.03845
5292	M406T10_	1.731183	0.791758	1.089388	0.332558	0.864002	UP	406.2169	406.2147	406.2172	9.62495	9.234417
5293	M1524T10	1.442648	-0.52872	-1.07997	0.332566	0.864002	DOWN	1523.878	1523.878	1523.88	10.45352	10.40882
5294	M533T11_	1.468389	-0.55423	-1.04317	0.332598	0.864002	DOWN	533.3395	533.3387	533.3398	10.55813	10.48972
5295	M656T11	1.19146	-0.25273	-1.03123	0.332623	0.864002	DOWN	656.0064	656.0059	656.0091	10.90519	10.88747
5296	M721T10_	1.171327	0.228144	1.031259	0.33263	0.864002	UP	721.3906	721.3903	721.3912	10.06612	9.971833
5297	M1999T10	1.516271	-0.60053	-1.03129	0.332677	0.864002	DOWN	1998.844	1998.843	1998.847	9.837292	9.81635
5298	M695T10_	1.270753	-0.34568	-1.04529	0.332701	0.864002	DOWN	695.3098	695.3094	695.3101	9.637108	9.556217
5299	M444T11_	1.139362	-0.18823	-1.03255	0.332721	0.864002	DOWN	443.5696	443.5686	443.5759	10.89308	10.88747
5300	M419T24	1.457901	-0.54389	-1.03463	0.332725	0.864002	DOWN	419.0396	419.0394	419.0398	24.36833	24.318
5301	M151T10_	1.351634	-0.4347	-1.04729	0.332977	0.864002	DOWN	150.921	150.9209	150.9245	9.823575	9.715683
5302	M394T20_	1.097872	-0.13471	-1.0304	0.332978	0.864002	DOWN	394.3138	394.3138	394.3141	20.24492	20.23017
5303	M262T9_1	1.266788	-0.34118	-1.03011	0.333099	0.864002	DOWN	261.8042	261.8029	261.8066	9.38065	9.132267
5304	M404T10_	1.272487	-0.34765	-1.06432	0.33311	0.864002	DOWN	404.3737	404.3735	404.3737	9.97155	9.8753
5305	M224T11_	1.098964	-0.13614	-1.05176	0.333143	0.864002	DOWN	223.9404	223.9403	223.941	10.91982	10.879
5306	M313T12	1.172664	-0.22979	-1.04086	0.333154	0.864002	DOWN	313.2201	313.22	313.2202	12.25186	12.23755
5307	M472T31	1.517839	0.602019	1.032727	0.333175	0.864002	UP	472.3402	472.3397	472.3423	31.104	31.06033
5308	M500T9_8	1.432704	0.518741	1.037699	0.333208	0.864002	UP	499.9389	499.9386	499.9442	9.41815	9.36515
5309	M380T11_	4.161577	2.05713	1.096145	0.333243	0.864002	UP	380.1998	380.1964	380.2004	10.86008	10.71928
5310	M727T11_	1.424678	-0.51064	-1.07276	0.333252	0.864002	DOWN	727.4332	727.4328	727.434	11.22183	11.19848
5311	M316T24_	1.378177	-0.46276	-1.03042	0.333348	0.864002	DOWN	315.8312	315.8311	315.8314	24.11883	24.096
5312	M333T19_	13.46121	3.750736	1.098904	0.333502	0.864002	UP	333.342	333.3417	333.3427	19.15483	19.09517
5313	M347T10_	1.725856	0.787312	1.094731	0.333643	0.864002	UP	347.278	347.2779	347.2781	9.839008	9.715683
5314	M361T9_4	1.173425	-0.23073	-1.02976	0.333651	0.864002	DOWN	361.1509	361.1507	361.1512	9.29345	9.219483
5315	M512T29	1.479726	0.56533	1.049198	0.333757	0.864003	UP	512.3349	512.3337	512.3357	28.5475	28.52567
5316	M287T23_	1.192732	0.25427	1.039062	0.333827	0.864003	UP	286.8738	286.8737	286.874	22.90042	22.886
5317	M358T9_5	10.97738	3.456461	1.096966	0.333945	0.864003	UP	358.27	358.2698	358.2707	8.8316	8.6529
5318	M225T10_	1.214788	-0.2807	-1.05144	0.334073	0.864003	DOWN	225.3495	225.3493	225.3497	9.924308	9.811217
5319	M391T11_	1.250247	-0.32221	-1.06945	0.334083	0.864003	DOWN	390.8196	390.8193	390.8197	11.35088	11.32643



5320	M296T18	1781.405	10.7988	1.097348	0.334112	0.864003	UP	296.2582	296.258	296.2583	18.37358	18.256
5321	M171T19	1.407269	0.492899	1.028135	0.334153	0.864003	UP	171.1377	171.1376	171.1378	18.98108	18.9655
5322	M639T10_	1.579764	0.659709	1.052371	0.334175	0.864003	UP	638.662	638.6614	638.665	9.818442	9.715683
5323	M455T9_1	1.239525	-0.30979	-1.02836	0.334202	0.864003	DOWN	455.4172	455.417	455.418	9.275917	9.129317
5324	M307T9_7	1.324437	-0.40538	-1.04966	0.334221	0.864003	DOWN	307.4544	307.4542	307.4545	9.3332	9.234417
5325	M843T10_	1.357963	-0.44144	-1.05107	0.334427	0.864003	DOWN	842.8132	842.8124	842.8135	9.9014	9.779267
5326	M450T43_	1.26063	0.334145	1.033228	0.334447	0.864003	UP	450.2331	450.233	450.2332	42.726	42.36617
5327	M363T9_1	1.219044	-0.28575	-1.07954	0.334622	0.864003	DOWN	363.4278	363.4276	363.428	9.289925	9.219483
5328	M408T10_	13.00974	3.70152	1.095526	0.334754	0.864003	UP	408.2466	408.2466	408.2472	9.531583	9.1932
5329	M1940T9	1.559605	-0.64118	-1.02637	0.334815	0.864003	DOWN	1940.485	1940.482	1940.487	9.29345	9.191133
5330	M168T9_4	1.358676	-0.4422	-1.04867	0.334837	0.864003	DOWN	168.3287	168.3285	168.3294	9.144117	9.129317
5331	M712T9_7	1.595288	-0.67382	-1.0304	0.334851	0.864003	DOWN	712.3631	712.3622	712.3636	8.676792	8.601067
5332	M682T10_	1.187724	-0.2482	-1.08289	0.334882	0.864003	DOWN	682.3419	682.3414	682.3431	9.857833	9.747533
5333	M377T10_	1.250649	-0.32268	-1.02967	0.334887	0.864003	DOWN	376.9333	376.933	376.9344	9.894875	9.79535
5334	M1340T10	2.497456	1.320459	1.091194	0.334987	0.864003	UP	1339.975	1339.971	1339.977	9.945208	9.859233
5335	M411T9_1	1.460878	0.546836	1.054996	0.334993	0.864003	UP	411.4763	411.4753	411.4792	9.329083	9.191133
5336	M302T27	3.057653	1.612425	1.093773	0.335086	0.864004	UP	302.3049	302.3047	302.3051	26.622	26.593
5337	M995T26	1.292503	-0.37017	-1.03915	0.335222	0.864004	DOWN	994.689	994.6871	994.6898	26.3335	26.3045
5338	M622T43_	1.342798	-0.42524	-1.08078	0.335237	0.864004	DOWN	622.3433	622.3432	622.3438	42.841	42.654
5339	M200T9_2	1.463818	-0.54974	-1.02859	0.335298	0.864004	DOWN	199.527	199.5259	199.5279	9.232333	9.11795
5340	M596T11_	1.211538	-0.27684	-1.02586	0.335322	0.864004	DOWN	596.4109	596.4106	596.4115	11.48757	11.46837
5341	M294T10_	1.508076	0.59271	1.028475	0.335332	0.864004	UP	293.7581	293.758	293.7581	9.9677	9.8914
5342	M464T10_	1.401572	0.487046	1.080706	0.335336	0.864004	UP	463.9778	463.9773	463.9785	9.79575	9.681183
5343	M687T10_	10.16419	3.345423	1.09379	0.335421	0.864004	UP	687.0106	687.0103	687.013	9.8914	9.856867
5344	M591T27	1.516484	0.600731	1.066724	0.335462	0.864004	UP	591.3499	591.3494	591.3502	27.05667	26.999
5345	M557T9_3	2.171949	1.11899	1.076467	0.335476	0.864004	UP	557.0215	557.0165	557.0222	9.28075	9.160617
5346	M1009T28	1.469538	-0.55536	-1.02834	0.335534	0.864004	DOWN	1008.774	1008.773	1008.774	28.37317	28.34867
5347	M629T10_	1.177895	-0.23621	-1.02854	0.335551	0.864004	DOWN	628.5315	628.5305	628.5318	9.985733	9.8914
5348	M687T23	1.212094	-0.2775	-1.04583	0.335565	0.864004	DOWN	686.5047	686.5044	686.505	22.53975	22.52533
5349	M841T10_	1.846863	0.885077	1.06772	0.335583	0.864004	UP	841.3317	841.3293	841.3326	9.9351	9.843367
5350	M225T10_	1.20048	-0.26361	-1.05218	0.335623	0.864004	DOWN	224.8112	224.8111	224.8113	9.918792	9.811217
5351	M225T40	1.154022	-0.20667	-1.05673	0.335688	0.864004	DOWN	225.1482	225.1481	225.1484	40.28125	40.03583
5352	M532T45	1.387835	0.472837	1.035158	0.335693	0.864004	UP	532.3114	532.3113	532.3115	44.64592	44.5235
5353	M379T10_	2.004624	1.003332	1.024158	0.33573	0.864004	UP	378.9913	378.9853	378.9917	9.902617	9.79535
5354	M204T10_	1.208127	-0.27277	-1.06667	0.335744	0.864004	DOWN	203.7895	203.7894	203.7896	9.872908	9.747533

5355	M562T39_	1.130856	0.177415	1.02418	0.335764	0.864004	UP	562.3221	562.322	562.3222	39.20833	39.10067
5356	M639T11	1.280567	-0.35678	-1.02532	0.335808	0.864004	DOWN	639.2602	639.2598	639.2703	10.892	10.873
5357	M201T10_	1.290744	-0.3682	-1.04779	0.335868	0.864004	DOWN	201.1135	201.1134	201.1137	9.82645	9.715683
5358	M744T10_	1.166295	0.221932	1.033624	0.335874	0.864004	UP	744.4073	744.4063	744.408	10.11613	10.02755
5359	M221T10_	1.110634	-0.15138	-1.02461	0.335914	0.864004	DOWN	221.0524	221.0522	221.0527	9.930908	9.827283
5360	M618T9_4	1.273777	-0.34911	-1.02688	0.335967	0.864004	DOWN	618.2546	618.2441	618.2557	9.216183	9.12675
5361	M227T10_	1.070007	-0.09762	-1.08347	0.335974	0.864004	DOWN	227.1754	227.1753	227.1754	9.910342	9.827283
5362	M409T12_	1.128547	-0.17447	-1.03282	0.335981	0.864004	DOWN	409.3058	409.3057	409.306	11.98198	11.97343
5363	M332T9_9	1.400629	-0.48607	-1.04183	0.336058	0.864004	DOWN	332.2418	332.2416	332.2421	9.435733	9.34115
5364	M333T10_	1.165689	-0.22118	-1.05064	0.336092	0.864004	DOWN	333.0613	333.061	333.0616	9.836042	9.715683
5365	M355T10_	2.725012	1.446262	1.088456	0.336106	0.864004	UP	355.255	355.2543	355.2553	9.77435	9.699733
5366	M225T10_	1.238243	-0.30829	-1.04357	0.336121	0.864004	DOWN	225.1929	225.1842	225.193	9.930908	9.827283
5367	M430T41	1.187337	0.24773	1.023228	0.336143	0.864004	UP	430.2433	430.2433	430.2433	41.29433	41.1145
5368	M586T11_	1.253534	-0.326	-1.02786	0.336214	0.864004	DOWN	586.0315	586.0298	586.032	10.76215	10.74033
5369	M657T10_	1.240374	-0.31078	-1.02298	0.336257	0.864004	DOWN	657.2824	657.2813	657.284	9.958442	9.843367
5370	M286T20	1.39035	0.475448	1.029478	0.336265	0.864004	UP	286.2373	286.2371	286.238	19.75225	19.7365
5371	M849T16_	3.752129	-1.90771	-1.08804	0.336387	0.864004	DOWN	848.8508	848.8502	848.8517	16.13048	16.12535
5372	M417T41_	1.3084	-0.3878	-1.02274	0.33639	0.864004	DOWN	417.2479	417.2477	417.248	41.28717	41.1725
5373	M1856T10_	1.229849	-0.29848	-1.02479	0.336506	0.864005	DOWN	1855.793	1855.792	1855.795	9.8374	9.728083
5374	M678T10_	1.169808	-0.22627	-1.03803	0.336661	0.864005	DOWN	678.0989	678.0984	678.0997	9.850858	9.73145
5375	M224T13	5.385238	2.42901	1.090212	0.336704	0.864005	UP	224.1643	224.164	224.1647	13.36113	13.20028
5376	M565T17	1.21229	-0.27774	-1.05152	0.336933	0.864005	DOWN	565.3743	565.374	565.3745	17.43858	17.41033
5377	M405T10_	2.40853	1.268153	1.078737	0.33694	0.864005	UP	405.2457	405.2454	405.246	9.9014	9.79535
5378	M534T41_	1.120021	-0.16353	-1.08736	0.336942	0.864005	DOWN	534.3268	534.3267	534.3271	41.158	41.05717
5379	M1573T10_	1.367841	-0.4519	-1.02958	0.336959	0.864005	DOWN	1572.59	1572.581	1572.595	9.920517	9.859233
5380	M474T42_	1.306214	-0.38539	-1.02686	0.336981	0.864005	DOWN	474.2694	474.2692	474.2697	41.5175	41.273
5381	M562T10_	1.445277	-0.53135	-1.02132	0.337138	0.864005	DOWN	562.2007	562.2004	562.2009	9.95825	9.946367
5382	M892T25	1.257823	-0.33093	-1.0255	0.33718	0.864005	DOWN	891.6443	891.6441	891.6453	25.39	25.34717
5383	M764T10_	1.123692	-0.16825	-1.0296	0.3372	0.864005	DOWN	764.0703	764.0691	764.0751	9.915933	9.79535
5384	M804T25	1.17693	-0.23503	-1.0208	0.337256	0.864005	DOWN	803.5922	803.5915	803.5926	25.35325	25.34633
5385	M416T9_2	1.630115	-0.70497	-1.07587	0.337295	0.864005	DOWN	415.775	415.7688	415.7755	9.025033	8.980067
5386	M452T10_	1.808667	0.854927	1.038222	0.337306	0.864005	UP	451.5474	451.5342	451.5479	9.537775	9.365833
5387	M413T11_	1.136043	-0.18402	-1.02423	0.337328	0.864005	DOWN	413.3565	413.3564	413.358	10.89875	10.879
5388	M197T10_	1.090555	-0.12506	-1.04252	0.337465	0.864005	DOWN	197.3461	197.3459	197.3462	9.924308	9.811217
5389	M150T25	162.2829	-7.34237	-1.08875	0.337468	0.864005	DOWN	150.0627	150.0625	150.0628	25.11508	25.0985

5390	M779T10_	3.691816	1.884331	1.086793	0.337559	0.864005	UP	778.9549	778.9545	778.9604	9.970617	9.840617
5391	M388T10_	1.198766	-0.26155	-1.02316	0.337627	0.864005	DOWN	387.6799	387.6796	387.6803	9.902008	9.79535
5392	M365T9_1	1.998924	-0.99922	-1.05426	0.337712	0.864005	DOWN	365.4127	365.4116	365.4248	8.8935	8.772383
5393	M558T23	1.186607	-0.24684	-1.01996	0.33773	0.864005	DOWN	558.3844	558.3837	558.3848	22.58492	22.569
5394	M493T9_2	1.273943	-0.3493	-1.03731	0.337849	0.864005	DOWN	493.2135	493.213	493.2142	9.320067	9.129317
5395	M315T25_	23.7373	-4.56908	-1.08774	0.337862	0.864005	DOWN	315.0616	315.0615	315.0617	25.24433	25.14333
5396	M451T9_7	5.222409	2.384715	1.087363	0.337896	0.864006	UP	451.2522	451.2512	451.2555	9.160158	8.841533
5397	M329T30	1.994637	0.996127	1.076021	0.337901	0.864006	UP	329.2085	329.2081	329.209	29.90667	29.89117
5398	M359T10_	1.22194	-0.28917	-1.03026	0.337921	0.864006	DOWN	358.7006	358.7004	358.7008	9.962617	9.859233
5399	M378T10_	1.111197	-0.15211	-1.02237	0.337944	0.864006	DOWN	378.1966	378.1962	378.1975	9.924308	9.811217
5400	M306T25_	1.162501	-0.21723	-1.02532	0.337974	0.864006	DOWN	305.52	305.5198	305.5203	24.6945	24.68133
5401	M272T10_	1.113942	0.155674	1.035324	0.338008	0.864006	UP	271.7198	271.7196	271.7202	9.851025	9.73145
5402	M625T11_	1.204557	-0.2685	-1.02386	0.338025	0.864006	DOWN	624.8972	624.8966	624.8975	10.84658	10.8214
5403	M1871T10	1.107639	-0.14749	-1.02032	0.338059	0.864006	DOWN	1871.097	1871.096	1871.099	9.830083	9.715683
5404	M284T9_8	1.6198	-0.69582	-1.02618	0.338102	0.864006	DOWN	284.2752	284.2746	284.2756	9.2796	9.234417
5405	M580T9_6	1.596187	-0.67463	-1.025	0.338115	0.864006	DOWN	580.2293	580.2292	580.2294	8.911217	8.803967
5406	M509T10_	1.555189	0.63709	1.031093	0.338139	0.864006	UP	508.9928	508.9925	508.9946	9.919675	9.811217
5407	M401T23	3.573713	1.837424	1.054501	0.338156	0.864006	UP	401.3373	401.3366	401.3376	22.59733	22.56983
5408	M467T10_	1.3221	-0.40283	-1.03497	0.338191	0.864006	DOWN	467.0881	467.0747	467.0883	9.8207	9.699733
5409	M190T10_	1.220389	-0.28734	-1.03793	0.338232	0.864006	DOWN	189.7444	189.7443	189.7445	9.933	9.827283
5410	M296T9_2	1.745776	-0.80387	-1.01885	0.338233	0.864006	DOWN	295.5636	295.5632	295.5637	9.263367	9.234417
5411	M745T10_	1.536566	0.61971	1.030905	0.338287	0.864006	UP	745.2645	745.2621	745.2664	9.830658	9.699733
5412	M322T29_	1.472458	-0.55823	-1.02809	0.338345	0.864006	DOWN	321.9189	321.9185	321.9194	28.62542	28.546
5413	M317T10_	1.205778	0.269965	1.026071	0.338352	0.864006	UP	316.6518	316.6516	316.6519	9.811408	9.715683
5414	M439T9_1	1.193579	-0.25529	-1.01879	0.338425	0.864006	DOWN	438.5028	438.5021	438.5037	9.25395	9.129317
5415	M560T10_	1.648905	0.721508	1.06175	0.338427	0.864006	UP	560.2529	560.2523	560.2541	9.933967	9.811217
5416	M183T10_	1.261741	-0.33542	-1.02642	0.338585	0.864006	DOWN	183.0339	183.0338	183.034	9.979667	9.8914
5417	M1089T10	1.146975	-0.19783	-1.03368	0.338629	0.864006	DOWN	1088.702	1088.701	1088.703	9.82645	9.699733
5418	M474T41_	1.300554	0.379127	1.056814	0.338691	0.864006	UP	474.2693	474.2691	474.2697	41.0715	40.942
5419	M396T9_7	1.884055	0.913841	1.078375	0.338708	0.864006	UP	395.976	395.9757	395.9763	9.048942	9.023483
5420	M534T42_	1.770182	-0.8239	-1.08516	0.338742	0.864006	DOWN	534.3269	534.3268	534.327	42.165	42.0055
5421	M837T11_	1.200917	-0.26414	-1.03023	0.33883	0.864006	DOWN	836.9953	836.9948	836.9959	10.65408	10.61512
5422	M328T10_	1.263262	-0.33715	-1.03755	0.33902	0.864006	DOWN	328.3292	328.3289	328.3294	9.988125	9.869467
5423	M398T11_	1.246082	-0.3174	-1.04006	0.339039	0.864006	DOWN	398.2797	398.2796	398.2799	10.9049	10.879
5424	M182T9_1	1.484216	0.569701	1.034793	0.339039	0.864006	UP	182.4568	182.4565	182.4572	9.1602	9.09495

5425	M439T10_	1.223762	0.291323	1.025408	0.339275	0.864006	UP	439.1889	439.1887	439.1893	9.994767	9.8753
5426	M466T11_	1.178111	-0.23648	-1.01757	0.339329	0.864007	DOWN	466.273	466.272	466.2761	10.94208	10.8646
5427	M489T11_	1.244574	0.315651	1.026914	0.339361	0.864007	UP	488.5761	488.5757	488.5768	10.89133	10.8646
5428	M925T30	1.324934	-0.40592	-1.02998	0.3394	0.864007	DOWN	924.647	924.6461	924.6479	30.15217	30.136
5429	M432T11_	1.263809	0.337778	1.02177	0.339418	0.864007	UP	432.1349	432.1332	432.1352	10.94208	10.88995
5430	M296T10_	5.646309	2.497308	1.082777	0.339421	0.864007	UP	296.1466	296.1465	296.147	9.638433	9.510117
5431	M235T10_	5.230774	2.387024	1.08198	0.339503	0.864007	UP	234.5976	234.5973	234.6072	9.960817	9.843367
5432	M456T11_	1.212592	-0.27809	-1.03231	0.339519	0.864007	DOWN	455.7528	455.7523	455.7533	10.892	10.879
5433	M286T10_	1.573883	0.654328	1.034622	0.339825	0.864007	UP	285.6305	285.6304	285.6308	9.959475	9.827283
5434	M201T16	1.241285	-0.31183	-1.03531	0.33983	0.864007	DOWN	201.1846	201.1844	201.1848	16.04397	15.99403
5435	M622T10_	1.525309	0.609102	1.056705	0.339919	0.864007	UP	622.0872	622.0864	622.0916	9.8374	9.73145
5436	M416T44_	1.527593	0.61126	1.081937	0.339929	0.864007	UP	416.264	416.2638	416.2641	44.43017	44.2935
5437	M500T10_	1.24465	-0.31574	-1.02271	0.340074	0.864007	DOWN	499.6296	499.629	499.6299	10.43382	10.35992
5438	M686T10_	1.136383	-0.18445	-1.06158	0.340108	0.864007	DOWN	685.5555	685.5547	685.5572	9.83535	9.715683
5439	M356T35	1.10019	-0.13775	-1.021	0.340162	0.864007	DOWN	356.3157	356.3156	356.3159	35.40175	35.38683
5440	M1935T10	1.678916	0.74753	1.073356	0.340223	0.864007	UP	1935.024	1935.023	1935.026	9.864467	9.747533
5441	M606T9	1.407577	-0.49321	-1.01591	0.34023	0.864007	DOWN	605.5853	605.5843	605.5855	9.3219	9.26575
5442	M341T10_	1.580975	0.660815	1.076499	0.340239	0.864007	UP	341.4426	341.44	341.4428	9.960817	9.758367
5443	M405T9_3	2.878506	-1.52532	-1.0741	0.340258	0.864007	DOWN	404.9645	404.9589	404.9648	9.3558	9.166033
5444	M213T10_	1.230215	-0.29891	-1.01631	0.340285	0.864007	DOWN	212.7326	212.7256	212.7328	9.93625	9.827283
5445	M460T43_	1.089429	-0.12357	-1.06721	0.34033	0.864007	DOWN	460.29	460.29	460.2901	42.79783	42.59633
5446	M412T9_1	1.299395	-0.37784	-1.02494	0.340349	0.864007	DOWN	412.2843	412.2834	412.2885	9.328967	9.166033
5447	M270T10_	1.226805	-0.29491	-1.04244	0.34045	0.864007	DOWN	270.1091	270.1089	270.1097	9.823575	9.699733
5448	M830T10_	1.131711	-0.17851	-1.01312	0.340705	0.864007	DOWN	830.4439	830.4428	830.4448	9.617417	9.49445
5449	M592T10_	1.118412	-0.16145	-1.03458	0.340748	0.864008	DOWN	591.6546	591.6544	591.6555	9.924308	9.827283
5450	M1973T10	1.245532	0.316762	1.014157	0.34077	0.864008	UP	1972.934	1972.931	1972.938	9.848417	9.715683
5451	M527T9_2	1.848161	-0.88609	-1.06453	0.340802	0.864008	DOWN	526.5538	526.5531	526.5549	9.27345	9.0637
5452	M341T10_	1.173206	-0.23046	-1.04583	0.340849	0.864008	DOWN	341.1166	341.1163	341.117	9.8397	9.715683
5453	M665T10_	2.210114	1.144121	1.077383	0.340948	0.864008	UP	664.7784	664.7781	664.7788	9.830458	9.715683
5454	M689T9	1.203741	-0.26753	-1.0135	0.34095	0.864008	DOWN	689.3991	689.3987	689.3996	9.498117	9.38595
5455	M204T10_	1.208882	-0.27367	-1.05462	0.340987	0.864008	DOWN	203.5576	203.5575	203.5577	9.872908	9.747533
5456	M714T10_	1.192431	-0.25391	-1.04758	0.341004	0.864008	DOWN	713.6482	713.647	713.6487	9.970617	9.859233
5457	M455T10_	1.122822	-0.16713	-1.02541	0.341006	0.864008	DOWN	455.3311	455.3308	455.3313	10.44611	10.40807
5458	M315T15_	2.039108	-1.02794	-1.05504	0.341035	0.864008	DOWN	315.2639	315.2632	315.2643	14.82415	14.795
5459	M250T7_1	1.284823	0.361569	1.012781	0.341057	0.864008	UP	250.072	250.0719	250.0723	7.011717	6.925867

5460	M268T24	104.2971	6.704555	1.079607	0.341068	0.864008	UP	268.2268	268.2266	268.227	24.0895	24.08283
5461	M172T9_6	2.912735	1.542375	1.073196	0.341103	0.864008	UP	172.291	172.2907	172.2979	9.170525	9.146383
5462	M457T9_9	1.374659	-0.45907	-1.01181	0.341283	0.864008	DOWN	457.3029	457.3016	457.3051	9.329083	9.175017
5463	M827T10_	1.669513	0.739427	1.035059	0.341295	0.864008	UP	827.3317	827.3313	827.3353	9.911767	9.811217
5464	M706T10_	1.172388	-0.22945	-1.02538	0.341307	0.864008	DOWN	705.7114	705.7108	705.7118	9.825767	9.715683
5465	M404T10_	1.127962	-0.17372	-1.05819	0.341325	0.864008	DOWN	404.3948	404.3947	404.395	9.868167	9.811217
5466	M393T44_	1.335135	-0.41699	-1.02037	0.341343	0.864008	DOWN	393.2312	393.231	393.2314	44.26483	44.07783
5467	M478T42_	1.318982	-0.39942	-1.05008	0.341372	0.864008	DOWN	478.2643	478.2641	478.2646	41.8485	41.66133
5468	M679T10_	1.172548	-0.22965	-1.02269	0.341497	0.864008	DOWN	679.0982	679.0977	679.0994	9.874067	9.6681
5469	M563T10_	1.356655	-0.44005	-1.02872	0.341511	0.864008	DOWN	563.3254	563.3252	563.3258	9.504583	9.40135
5470	M203T21	1.16353	-0.21851	-1.01461	0.341534	0.864008	DOWN	203.1064	203.1063	203.1065	20.9545	20.93567
5471	M183T43	1.539076	0.622064	1.011293	0.341635	0.864008	UP	183.1377	183.1375	183.1377	43.07808	43.01333
5472	M304T25_	1.363074	-0.44686	-1.01055	0.341818	0.864008	DOWN	303.7347	303.7346	303.735	24.569	24.54883
5473	M343T9_3	2.000191	1.000138	1.064812	0.34187	0.864008	UP	343.1161	343.1139	343.1166	9.031458	8.90515
5474	M451T10_	1.64905	0.721635	1.054483	0.341915	0.864008	UP	451.1972	451.1972	451.1994	9.8374	9.649833
5475	M264T15	1.158408	-0.21214	-1.01569	0.341923	0.864008	DOWN	264.2319	264.2316	264.2319	15.28721	15.25052
5476	M207T9_1	2.028601	1.020485	1.040436	0.341977	0.864008	UP	207.2574	207.2563	207.2577	9.190708	9.07525
5477	M396T10_	1.177216	-0.23538	-1.06871	0.342046	0.864008	DOWN	396.0206	396.0203	396.0207	9.960417	9.859233
5478	M401T11_	1.746372	0.804361	1.012191	0.342144	0.864008	UP	401.3914	401.3831	401.395	10.95643	10.80695
5479	M258T25	1.109946	-0.15049	-1.01583	0.34218	0.864009	DOWN	258.2788	258.2783	258.279	24.9865	24.9695
5480	M664T9_2	73.29438	6.195631	1.076578	0.342266	0.864009	UP	664.454	664.4537	664.4549	9.3735	9.1322
5481	M309T14_	1.486335	0.57176	1.06077	0.342302	0.864009	UP	309.1307	309.1306	309.1309	14.47247	14.35498
5482	M526T9_8	1.603168	-0.68093	-1.01446	0.342315	0.864009	DOWN	526.4257	526.4224	526.432	9.37735	9.1445
5483	M478T41_	1.149417	-0.2009	-1.05777	0.342331	0.864009	DOWN	478.2643	478.264	478.2645	40.525	40.29467
5484	M330T9_3	1.240883	-0.31137	-1.03486	0.342459	0.864009	DOWN	329.679	329.6788	329.6792	9.474408	9.370583
5485	M536T10_	1.160001	-0.21413	-1.00934	0.342466	0.864009	DOWN	535.7969	535.7964	535.7976	9.931875	9.827283
5486	M672T10_	1.177177	0.235332	1.018321	0.342536	0.864009	UP	672.4365	672.4359	672.4366	9.857683	9.774967
5487	M504T38_	1.145722	-0.19626	-1.01511	0.342545	0.864009	DOWN	504.2802	504.2797	504.2803	38.05033	37.9215
5488	M228T10_	1.358397	-0.44191	-1.01013	0.342645	0.864009	DOWN	228.1039	228.1038	228.104	9.976075	9.8914
5489	M1794T10	1.259638	-0.33301	-1.03617	0.342659	0.864009	DOWN	1794.003	1793.999	1794.007	9.818442	9.7124
5490	M476T10_	1.227933	0.296232	1.018106	0.342817	0.864009	UP	476.153	476.1527	476.1531	9.90315	9.62055
5491	M736T10_	1.854621	0.891124	1.055049	0.342819	0.864009	UP	735.8878	735.8872	735.8884	9.76455	9.681183
5492	M226T9_4	1.388451	-0.47348	-1.01441	0.342833	0.864009	DOWN	226.1108	226.11	226.1119	9.295967	9.111033
5493	M318T10_	1.537611	0.620691	1.069826	0.34288	0.864009	UP	318.2357	318.2352	318.237	9.8322	9.7124
5494	M864T10_	1.144547	-0.19478	-1.04823	0.3429	0.864009	DOWN	864.0955	864.0953	864.097	9.960417	9.859233

5495	M848T11_	1.193232	-0.25487	-1.03713	0.342929	0.864009	DOWN	847.6837	847.6833	847.6843	10.63183	10.59933
5496	M656T10_	1.182891	0.242317	1.010648	0.343039	0.864009	UP	656.4447	656.4439	656.4453	10.38894	10.35992
5497	M1918T10	1.286677	-0.36365	-1.01627	0.343041	0.864009	DOWN	1918.302	1918.297	1918.303	9.929783	9.811217
5498	M243T11_	1.506509	0.591209	1.035586	0.343102	0.864009	UP	243.0428	243.0426	243.047	10.88348	10.84487
5499	M529T22	1.293904	-0.37173	-1.06525	0.343151	0.864009	DOWN	529.2924	529.2924	529.2931	22.1355	22.10933
5500	M564T41_	1.232324	0.301381	1.04621	0.34318	0.864009	UP	564.3375	564.3371	564.3378	41.0435	40.899
5501	M434T11_	1.340609	-0.42289	-1.01314	0.343181	0.864009	DOWN	434.4709	434.4679	434.4783	10.94208	10.8214
5502	M620T10_	2.997643	1.583828	1.073905	0.34319	0.864009	UP	620.2954	620.2945	620.3	9.8371	9.728083
5503	M256T10_	1.338614	0.420741	1.036241	0.343245	0.864009	UP	255.7697	255.7626	255.77	9.769908	9.746783
5504	M352T22	1.619467	0.695519	1.038838	0.343366	0.864009	UP	352.2243	352.2237	352.2247	22.48425	22.46717
5505	M617T10_	1.576942	0.657129	1.055311	0.343419	0.864009	UP	616.6534	616.653	616.6541	9.923542	9.811217
5506	M330T11_	1.215633	-0.28171	-1.04437	0.343455	0.864009	DOWN	330.2232	330.2229	330.2234	10.90553	10.879
5507	M362T10_	1.335539	0.417422	1.062351	0.34349	0.864009	UP	361.9286	361.9284	361.9294	9.8207	9.715683
5508	M349T9_9	6.37663	2.672794	1.073099	0.343525	0.864009	UP	348.8423	348.8419	348.8425	9.3494	9.250817
5509	M456T9_1	1.198986	-0.26182	-1.00739	0.343544	0.864009	DOWN	455.5901	455.5899	455.5906	9.311525	9.129317
5510	M396T10_	1.469904	0.555722	1.027867	0.343574	0.864009	UP	395.716	395.7159	395.7163	9.956417	9.843367
5511	M157T10_	1.478904	-0.56453	-1.00913	0.343597	0.864009	DOWN	157.105	157.0999	157.1055	9.949233	9.822117
5512	M198T10_	1.298585	-0.37694	-1.02465	0.343689	0.86401	DOWN	197.9516	197.9514	197.9516	9.830558	9.728083
5513	M1760T10	1.323032	-0.40385	-1.01748	0.343719	0.86401	DOWN	1759.937	1759.935	1759.939	9.82645	9.699733
5514	M819T10_	1.197327	-0.25982	-1.03312	0.343794	0.86401	DOWN	819.2077	819.2069	819.2093	9.918792	9.811217
5515	M447T9_5	1.142419	-0.19209	-1.01282	0.343857	0.86401	DOWN	447.4603	447.4596	447.4606	9.241267	9.206
5516	M397T10_	1.105753	-0.14503	-1.00727	0.343893	0.86401	DOWN	396.6294	396.6292	396.6296	9.918792	9.811217
5517	M463T11_	1.644294	0.717468	1.047861	0.343896	0.86401	UP	463.2874	463.2873	463.2881	10.50278	10.47197
5518	M225T10_	4.790538	2.260188	1.071671	0.343956	0.86401	UP	224.8278	224.8276	224.828	9.967367	9.859233
5519	M351T10_	3.585506	1.842177	1.068753	0.34396	0.86401	UP	350.8953	350.8951	350.9006	9.847742	9.73145
5520	M341T11_	1.206131	-0.27039	-1.00569	0.344067	0.86401	DOWN	340.9605	340.9604	340.9619	10.90481	10.87708
5521	M788T24_	1.477445	0.563104	1.028878	0.344102	0.86401	UP	788.069	788.0667	788.0709	24.096	24.08283
5522	M216T10_	1.196242	-0.25851	-1.03401	0.344184	0.86401	DOWN	216.0929	216.0925	216.1002	9.821308	9.7124
5523	M312T9_4	1.276922	-0.35267	-1.0477	0.344257	0.86401	DOWN	312.0147	312.0144	312.0149	9.498117	9.40135
5524	M1998T10	1.2697	-0.34449	-1.02147	0.34428	0.86401	DOWN	1998.404	1998.402	1998.407	9.8207	9.7124
5525	M209T10_	1.90693	0.931252	1.068045	0.344309	0.86401	UP	208.8451	208.845	208.8453	9.8887	9.746783
5526	M400T11_	1.159358	-0.21333	-1.01376	0.344344	0.86401	DOWN	400.1304	400.1302	400.131	10.89308	10.88747
5527	M341T10_	2.484203	1.312783	1.006178	0.344426	0.86401	UP	340.6313	340.6301	340.6315	9.856867	9.758367
5528	M325T9_4	1.271507	-0.34654	-1.0361	0.344436	0.86401	DOWN	324.7636	324.7633	324.7638	9.494433	9.40135
5529	M352T44_	1.342346	0.424757	1.069081	0.344445	0.86401	UP	352.1964	352.1964	352.1967	43.9055	43.74733

5530	M660T9_5	1.637242	-0.71127	-1.00488	0.344446	0.86401	DOWN	660.3692	660.3687	660.37	9.275917	9.219483
5531	M340T10_	1.604895	0.682479	1.008483	0.344465	0.86401	UP	340.2182	340.2162	340.2252	9.749408	9.6681
5532	M226T14	1.606386	0.683818	1.049255	0.344511	0.86401	UP	226.18	226.1799	226.18	14.30447	14.2675
5533	M319T14	1.552039	0.634164	1.00464	0.344549	0.86401	UP	319.2485	319.2478	319.2487	13.9903	13.96067
5534	M740T10_	2.547167	1.348894	1.069209	0.344566	0.86401	UP	740.1923	740.1913	740.1928	9.856867	9.7634
5535	M444T10_	1.289951	-0.36732	-1.02733	0.344736	0.86401	DOWN	444.1582	444.1574	444.1586	9.955025	9.843367
5536	M400T10_	1.45753	0.543525	1.04669	0.344785	0.86401	UP	399.9166	399.916	399.9171	9.928458	9.811217
5537	M542T10_	1.564545	-0.64574	-1.01948	0.344859	0.86401	DOWN	541.6096	541.6093	541.6112	9.915933	9.88865
5538	M237T9_2	1.282657	-0.35914	-1.00659	0.34492	0.86401	DOWN	236.7154	236.7132	236.7159	9.295492	9.132267
5539	M607T9	1.475608	-0.56131	-1.00372	0.344925	0.86401	DOWN	607.3431	607.3407	607.3444	9.16125	9.12675
5540	M781T10_	1.09265	-0.12783	-1.00369	0.344939	0.86401	DOWN	780.5429	780.5418	780.5452	9.924308	9.811217
5541	M661T10_	1.343508	0.426005	1.003785	0.344958	0.86401	UP	660.7323	660.7315	660.7327	9.714783	9.62055
5542	M290T11_	1.178535	-0.23699	-1.0424	0.345002	0.86401	DOWN	289.936	289.9314	289.9361	10.92828	10.87708
5543	M242T11_	1.191253	-0.25248	-1.02445	0.345057	0.86401	DOWN	241.9052	241.905	241.9053	10.90551	10.879
5544	M432T10_	2.079118	1.055972	1.066886	0.345059	0.86401	UP	432.3191	432.3151	432.3202	10.3538	10.23087
5545	M351T11_	1.142912	0.192714	1.009476	0.345128	0.864011	UP	351.4522	351.452	351.4528	10.90618	10.879
5546	M396T23	1.396172	-0.48148	-1.0085	0.345324	0.864011	DOWN	395.764	395.7636	395.7641	22.53167	22.52333
5547	M195T9_7	2.325201	1.217356	1.067161	0.345327	0.864011	UP	194.8396	194.8384	194.8405	9.287867	9.07945
5548	M456T9_5	1.719829	-0.78227	-1.0061	0.345345	0.864011	DOWN	456.143	456.1319	456.1439	9.2013	9.089733
5549	M362T10_	2.933091	1.552422	1.066845	0.345356	0.864011	UP	362.222	362.2217	362.2221	9.5682	9.494117
5550	M293T9_2	1.496586	-0.58168	-1.01629	0.345523	0.864011	DOWN	292.9445	292.9442	292.9448	8.926833	8.90715
5551	M1235T10	1.130413	-0.17685	-1.00891	0.34558	0.864011	DOWN	1234.697	1234.695	1234.697	9.925808	9.811217
5552	M399T9_9	1.297941	-0.37622	-1.01064	0.345647	0.864011	DOWN	399.3283	399.3277	399.3286	8.985492	8.922033
5553	M463T20	1.18851	0.249155	1.007655	0.345735	0.864011	UP	463.3524	463.3519	463.3533	19.54542	19.5125
5554	M751T30	1.406573	0.492184	1.009222	0.345737	0.864011	UP	750.5483	750.5474	750.5488	30.23767	30.20917
5555	M718T28	1.188497	-0.24914	-1.00602	0.345751	0.864011	DOWN	718.4945	718.4942	718.4953	28.25067	28.23
5556	M338T9_1	1.295039	-0.373	-1.04366	0.345771	0.864011	DOWN	337.6908	337.6906	337.6912	9.329083	9.14695
5557	M464T11_	1.180417	-0.2393	-1.031	0.345817	0.864011	DOWN	464.0644	464.0641	464.0655	10.91234	10.879
5558	M315T15_	1.254896	-0.32757	-1.0132	0.345828	0.864011	DOWN	315.1952	315.195	315.1955	15.41322	15.38377
5559	M666T10_	2.365755	1.242301	1.064032	0.345833	0.864011	UP	665.6824	665.6819	665.6833	9.828642	9.7124
5560	M388T20_	1.411755	-0.49749	-1.00533	0.345839	0.864011	DOWN	387.6978	387.6974	387.698	19.80642	19.76783
5561	M354T10_	1.576363	0.6566	1.004981	0.345952	0.864011	UP	354.4984	354.4979	354.4987	9.82645	9.699733
5562	M297T17	1.629478	-0.70441	-1.02479	0.346051	0.864011	DOWN	297.1846	297.1839	297.1847	17.13183	17.10267
5563	M157T11_	1.21932	-0.28608	-1.01957	0.346168	0.864011	DOWN	156.7978	156.7978	156.7979	10.90553	10.879
5564	M326T10_	1.234447	-0.30387	-1.00079	0.346234	0.864011	DOWN	326.1856	326.1854	326.1858	10.39613	10.34372

5565	M193T10_	1.306919	-0.38617	-1.00991	0.346255	0.864011	DOWN	193.101	193.1008	193.1083	9.811267	9.6681
5566	M660T10_	1.746713	0.804642	1.064603	0.346286	0.864011	UP	660.4152	660.4147	660.4167	9.8348	9.715683
5567	M295T24	1.108794	-0.14899	-1.03337	0.346366	0.864011	DOWN	295.1902	295.1901	295.1903	23.78817	23.7755
5568	M401T10_	1.38056	0.465254	1.001009	0.346371	0.864011	UP	400.8018	400.8013	400.8023	9.933967	9.827283
5569	M815T10_	1.105692	-0.14495	-1.0215	0.346412	0.864011	DOWN	815.3053	815.3044	815.3062	9.9149	9.79535
5570	M665T9	80.69772	6.334456	1.06611	0.346447	0.864011	UP	665.4574	665.4569	665.4577	9.362817	9.1322
5571	M495T16	1.31954	-0.40004	-1.00049	0.346464	0.864011	DOWN	495.3503	495.35	495.3505	15.94663	15.68735
5572	M470T10_	2.352944	1.234467	1.061678	0.346484	0.864011	UP	470.4757	470.475	470.476	9.979342	9.885167
5573	M326T10_	1.245811	0.317086	1.003364	0.346523	0.864011	UP	325.8921	325.8918	325.893	9.857275	9.73145
5574	M603T10_	1.881828	0.912135	1.05508	0.346673	0.864012	UP	602.8286	602.8268	602.8326	9.844033	9.7124
5575	M376T11_	1.245321	-0.31652	-1.011	0.346702	0.864012	DOWN	375.8016	375.8009	375.8018	10.8926	10.877
5576	M287T10_	1.118298	-0.1613	-1.00653	0.346708	0.864012	DOWN	287.3619	287.3618	287.3621	9.934533	9.827283
5577	M472T9_9	1.377768	-0.46233	-1.00444	0.346742	0.864012	DOWN	472.3157	472.3153	472.3214	9.236775	9.129317
5578	M536T39	1.318095	-0.39845	-1.06193	0.346793	0.864012	DOWN	536.306	536.3058	536.3066	38.75533	38.64
5579	M317T29	1.186783	-0.24706	-0.99953	0.346819	0.864012	DOWN	317.3241	317.324	317.3242	29.03975	29.0175
5580	M428T11_	1.162608	-0.21737	-1.00969	0.346838	0.864012	DOWN	427.9037	427.9034	427.9043	10.90657	10.879
5581	M811T9	1.49647	-0.58156	-1.01053	0.34693	0.864012	DOWN	810.619	810.6151	810.6198	9.263933	9.095133
5582	M893T11_	1.286825	-0.36382	-1.02681	0.346954	0.864012	DOWN	893.021	893.0203	893.022	10.90785	10.8926
5583	M842T31	1.316483	-0.39669	-1.01645	0.346972	0.864012	DOWN	841.5715	841.5703	841.573	31.212	31.18233
5584	M397T10_	1.119819	-0.16327	-1.00401	0.346975	0.864012	DOWN	397.0549	397.0547	397.055	9.924308	9.811217
5585	M569T9_2	1.226753	-0.29484	-0.9999	0.346984	0.864012	DOWN	569.1238	569.1236	569.124	9.3907	9.340183
5586	M350T11_	1.154409	-0.20715	-1.00537	0.346992	0.864012	DOWN	350.4612	350.4611	350.4618	10.90519	10.879
5587	M412T9_2	2.195292	1.134413	1.052367	0.346994	0.864012	UP	411.9788	411.9765	411.9798	9.288817	9.147367
5588	M551T11_	1.370666	0.454877	1.03909	0.346995	0.864012	UP	551.318	551.3178	551.319	10.60298	10.59413
5589	M368T10_	2.015535	1.011163	1.023842	0.347023	0.864012	UP	367.553	367.5528	367.5532	9.968992	9.8753
5590	M881T10_	1.102591	-0.1409	-0.99898	0.34706	0.864012	DOWN	880.5353	880.5341	880.5355	9.9149	9.79535
5591	M208T10_	1.184355	-0.2441	-0.99919	0.347069	0.864012	DOWN	208.3217	208.3216	208.3218	9.972483	9.8914
5592	M412T10_	1.401907	0.487391	1.033136	0.347153	0.864012	UP	411.6434	411.6432	411.6438	9.984083	9.8753
5593	M398T9_8	1.198533	-0.26127	-1.01878	0.347251	0.864012	DOWN	398.3253	398.3248	398.3255	8.986758	8.922033
5594	M210T11_	1.943095	-0.95836	-1.00185	0.347285	0.864012	DOWN	210.1196	210.1191	210.1197	10.89248	10.87487
5595	M524T40_	1.265489	0.339695	1.019413	0.347297	0.864012	UP	524.3062	524.306	524.3064	39.87075	39.8055
5596	M387T10_	1.193601	-0.25532	-1.0014	0.347311	0.864012	DOWN	386.8182	386.8178	386.8183	9.902008	9.79535
5597	M254T10_	1.320185	-0.40074	-1.01095	0.347465	0.864012	DOWN	253.5235	253.5233	253.5238	9.908417	9.65225
5598	M329T10_	1.111282	0.152225	1.020003	0.347498	0.864012	UP	328.9873	328.9872	328.9902	9.9754	9.8753
5599	M815T10_	1.241836	-0.31247	-1.01112	0.347574	0.864012	DOWN	814.7036	814.7029	814.7043	9.932033	9.827283



5600	M400T10_	1.201825	-0.26523	-1.00799	0.347586	0.864012	DOWN	399.9997	399.999	399.9999	9.967367	9.859233
5601	M435T10_	1.378806	-0.46342	-1.02902	0.347697	0.864012	DOWN	434.82	434.8194	434.8206	9.7992	9.729367
5602	M1272T10_	1.67477	0.743963	1.035881	0.347716	0.864012	UP	1271.69	1271.689	1271.691	9.979342	9.859233
5603	M750T10_	1.678117	0.746843	1.059302	0.347744	0.864012	UP	749.8335	749.8308	749.8347	9.823575	9.715683
5604	M578T11_	1.36833	-0.45242	-1.01607	0.347775	0.864012	DOWN	577.6999	577.6996	577.7004	10.72662	10.6899
5605	M186T6	1.301396	-0.38006	-1.00614	0.347802	0.864012	DOWN	186.1486	186.1485	186.1487	6.471242	6.354383
5606	M1482T10_	1.288183	-0.36534	-1.04136	0.347802	0.864012	DOWN	1482.051	1482.05	1482.052	9.900767	9.79535
5607	M189T9_9	1.816327	0.861024	1.012972	0.347851	0.864012	UP	188.9975	188.997	188.9982	9.182617	9.142767
5608	M388T10_	1.198023	-0.26066	-1.0363	0.347912	0.864012	DOWN	387.8573	387.857	387.8578	9.930908	9.827283
5609	M472T22	1.516509	0.600754	1.027857	0.347924	0.864012	UP	472.3028	472.3025	472.303	21.69533	21.67983
5610	M271T10_	1.44067	0.52674	1.050847	0.348001	0.864012	UP	270.9807	270.9805	270.9808	9.830283	9.715683
5611	M204T10_	1.243724	-0.31467	-1.01451	0.348009	0.864012	DOWN	204.1189	204.1187	204.119	9.825492	9.715683
5612	M176T11_	1.268343	-0.34294	-0.99905	0.348117	0.864013	DOWN	175.5724	175.5723	175.5724	10.93208	10.87765
5613	M316T10_	1.501481	0.586386	1.057118	0.348141	0.864013	UP	316.3457	316.3456	316.3458	9.983467	9.8753
5614	M500T10_	1.313406	-0.39331	-1.02529	0.348167	0.864013	DOWN	499.9191	499.9177	499.9292	9.885167	9.714783
5615	M267T29	1.206399	0.270708	1.04156	0.348191	0.864013	UP	267.1716	267.1714	267.1717	28.58875	28.55817
5616	M267T17	1.368106	-0.45218	-0.99656	0.348259	0.864013	DOWN	267.12	267.1199	267.1201	17.14117	17.08867
5617	M578T30	1.273941	0.349299	1.033322	0.348284	0.864013	UP	578.3958	578.3954	578.3964	30.28092	30.266
5618	M928T10_	1.093117	-0.12845	-1.01468	0.348386	0.864013	DOWN	927.503	927.5014	927.5033	9.958442	9.859233
5619	M1828T11	1.314317	-0.39431	-1.00052	0.348423	0.864013	DOWN	1827.592	1827.591	1827.596	10.90551	10.879
5620	M463T10_	1.798882	0.8471	1.057069	0.34843	0.864013	UP	463.3252	463.325	463.3256	10.43184	10.39197
5621	M567T9_1	1.328269	-0.40955	-0.99715	0.348482	0.864013	DOWN	566.5158	566.5146	566.5161	9.45135	9.38595
5622	M722T10_	2.998513	1.584247	1.060168	0.348516	0.864013	UP	722.4078	722.4071	722.408	9.844517	9.73145
5623	M395T11_	1.29329	-0.37105	-1.00743	0.348701	0.864013	DOWN	394.6529	394.6527	394.6534	10.93283	10.80695
5624	M301T10_	1.367377	-0.45141	-1.01843	0.348786	0.864013	DOWN	300.92	300.9199	300.9202	9.501658	9.416817
5625	M308T10_	1.15454	-0.20732	-1.02339	0.348816	0.864013	DOWN	307.7713	307.7709	307.7714	9.951283	9.843367
5626	M840T10_	1.164891	-0.22019	-1.0348	0.348876	0.864013	DOWN	839.743	839.7418	839.7442	9.984067	9.8914
5627	M798T10_	4.110734	2.039396	1.045171	0.348882	0.864013	UP	798.4531	798.4528	798.4553	9.859233	9.840617
5628	M266T11_	1.287631	-0.36472	-1.00375	0.348917	0.864013	DOWN	265.6371	265.635	265.6372	10.919	10.87487
5629	M373T10_	1.144752	-0.19503	-1.00837	0.34895	0.864013	DOWN	373.248	373.2478	373.2545	9.531467	9.416817
5630	M600T10_	2.193967	1.133542	1.03715	0.349042	0.864013	UP	599.534	599.5332	599.5388	9.816183	9.715683
5631	M697T10_	2.136632	1.095338	1.056147	0.349056	0.864013	UP	697.4021	697.4006	697.4044	10.01333	9.840617
5632	M358T9_3	1.186993	-0.24731	-0.99646	0.349117	0.864013	DOWN	357.8771	357.8768	357.8777	9.296925	9.1011
5633	M734T10_	1.499615	0.584592	1.045383	0.349123	0.864013	UP	734.3708	734.3702	734.3711	9.849558	9.73145
5634	M389T10_	1.194715	-0.25667	-0.99828	0.349163	0.864013	DOWN	388.6849	388.6846	388.6853	9.902483	9.811217

5635	M344T9_6	1.232797	-0.30194	-1.01952	0.349235	0.864013	DOWN	344.2255	344.2253	344.2256	9.311883	9.219483
5636	M345T10_	1.219349	0.286111	0.997105	0.349281	0.864013	UP	344.8508	344.8503	344.8513	9.821383	9.7124
5637	M239T11_	1.219184	-0.28592	-0.99508	0.349304	0.864013	DOWN	238.7862	238.7859	238.7866	10.9161	10.83417
5638	M311T19_	1.222582	-0.28993	-0.99417	0.349305	0.864013	DOWN	311.1851	311.1849	311.1853	18.92142	18.90133
5639	M294T10_	1.209083	-0.27391	-1.01781	0.349374	0.864013	DOWN	294.278	294.2777	294.2781	9.95385	9.843367
5640	M642T25	1.306935	0.386187	1.020474	0.349468	0.864013	UP	642.4785	642.4781	642.48	25.226	25.14117
5641	M236T9_7	1.860415	-0.89562	-1.00252	0.34959	0.864014	DOWN	236.0132	236.0102	236.0141	9.279417	9.146383
5642	M284T11_	1.057434	-0.08057	-0.9958	0.34964	0.864014	DOWN	283.9973	283.9973	283.9974	10.91983	10.90785
5643	M524T21	1.17436	-0.23188	-1.00046	0.349705	0.864014	DOWN	524.4204	524.42	524.4208	20.99475	20.97067
5644	M673T10_	1.317142	-0.39741	-0.99761	0.349725	0.864014	DOWN	672.555	672.5544	672.5557	9.816167	9.699733
5645	M664T10_	1.343536	0.426035	0.993404	0.34975	0.864014	UP	663.8971	663.8948	663.9001	9.997142	9.989483
5646	M1939T10	1.967516	0.976375	1.039742	0.349792	0.864014	UP	1939.391	1939.386	1939.396	9.809233	9.715683
5647	M723T10_	1.719346	0.78186	1.055012	0.349799	0.864014	UP	723.4563	723.4542	723.4568	9.859983	9.73145
5648	M414T9_9	1.374683	-0.4591	-0.99436	0.349878	0.864014	DOWN	413.9485	413.9483	413.9493	9.14655	9.0637
5649	M418T9_9	1.219449	-0.28623	-1.0144	0.349908	0.864014	DOWN	418.2551	418.2546	418.2557	8.961583	8.8486
5650	M238T11_	1.516387	-0.60064	-1.00026	0.349944	0.864014	DOWN	237.8316	237.8313	237.8317	10.86253	10.8214
5651	M688T25	1.322458	-0.40322	-1.02859	0.349948	0.864014	DOWN	687.5081	687.5068	687.5087	25.37567	25.3635
5652	M316T11_	1.25142	-0.32357	-0.99721	0.349977	0.864014	DOWN	316.4022	316.4021	316.4027	10.90553	10.86253
5653	M817T10_	1.403638	0.489171	1.018794	0.35012	0.864014	UP	816.843	816.8402	816.8447	9.979342	9.8753
5654	M568T11_	1.29923	-0.37766	-1.00324	0.350168	0.864014	DOWN	568.4336	568.4331	568.4353	10.5518	10.48782
5655	M254T10_	1.306847	-0.38609	-1.02298	0.350203	0.864014	DOWN	253.6581	253.6579	253.6584	9.80185	9.699733
5656	M333T25	13.11545	-3.7132	-1.05667	0.350254	0.864014	DOWN	333.1522	333.1521	333.1524	25.11508	25.11283
5657	M324T11_	1.306457	-0.38566	-0.99276	0.350268	0.864014	DOWN	323.6233	323.623	323.624	10.89953	10.879
5658	M197T41_	1.086131	0.119198	1.000764	0.350346	0.864014	UP	197.1533	197.1532	197.1534	40.82442	40.712
5659	M820T21	1.189759	-0.25067	-1.00741	0.350428	0.864014	DOWN	819.5873	819.5867	819.5877	21.24675	21.21967
5660	M360T9_1	1.63222	-0.70684	-0.99606	0.350435	0.864014	DOWN	359.5468	359.5466	359.5469	9.317	9.24215
5661	M340T39	1.464323	-0.55023	-0.99503	0.35048	0.864014	DOWN	340.3209	340.3201	340.321	38.72633	38.71217
5662	M446T39_	1.336454	-0.41841	-1.00139	0.35051	0.864014	DOWN	446.2746	446.2744	446.2749	38.8415	38.58267
5663	M512T9_5	1.5206	0.604641	1.037508	0.350528	0.864014	UP	512.2928	512.2921	512.2939	8.96815	8.90715
5664	M252T11_	2.545964	-1.34821	-1.05524	0.350539	0.864014	DOWN	252.3501	252.3498	252.3502	10.90765	10.879
5665	M326T10_	3.168484	1.663793	1.055034	0.350564	0.864014	UP	325.9475	325.9472	325.9476	9.8207	9.715683
5666	M691T9_2	1.610212	0.687251	1.036062	0.350609	0.864014	UP	690.998	690.9979	690.9994	9.25985	9.207667
5667	M350T9_8	1.593103	0.67184	0.995619	0.350671	0.864014	UP	350.0464	350.0462	350.047	9.24215	9.221317
5668	M341T10_	1.575062	0.655408	1.03324	0.350721	0.864014	UP	341.1003	341.0998	341.1006	9.861225	9.73145
5669	M339T11_	1.200495	-0.26363	-0.99144	0.350779	0.864014	DOWN	339.4787	339.4785	339.4787	10.892	10.8646

5670	M409T10_	1.131921	-0.17877	-1.00791	0.350852	0.864014	DOWN	408.5708	408.5704	408.571	9.939575	9.827283
5671	M1467T10	2.791383	1.48098	1.049409	0.350904	0.864014	UP	1467.097	1467.093	1467.099	9.958217	9.8753
5672	M322T9_6	1.446491	-0.53256	-0.9918	0.35099	0.864014	DOWN	322.3012	322.3001	322.305	9.159717	9.089333
5673	M158T10_	1.489489	-0.57482	-0.99101	0.351038	0.864015	DOWN	158.1542	158.1541	158.1545	9.870017	9.842
5674	M538T9_6	1.771186	-0.82472	-1.01587	0.351094	0.864015	DOWN	538.2982	538.2978	538.2984	9.384008	9.160617
5675	M471T9_1	1.424153	-0.5101	-1.00399	0.351109	0.864015	DOWN	470.8007	470.8002	470.8012	9.385275	9.24215
5676	M282T10_	1.664147	-0.73478	-1.03745	0.351166	0.864015	DOWN	282.4129	282.4127	282.4159	9.970617	9.859233
5677	M404T11_	1.167392	-0.22329	-0.99052	0.351221	0.864015	DOWN	404.2722	404.2713	404.2803	10.9198	10.84733
5678	M204T10_	1.320179	0.400733	1.025156	0.351266	0.864015	UP	204.2086	204.2084	204.2161	9.8207	9.699733
5679	M1848T10	1.195448	-0.25755	-0.99201	0.351284	0.864015	DOWN	1847.854	1847.852	1847.857	9.970617	9.8914
5680	M401T10_	1.103594	-0.14221	-1.00695	0.351315	0.864015	DOWN	400.6143	400.614	400.6144	9.933	9.827283
5681	M162T10_	1.352503	-0.43563	-0.99234	0.351339	0.864015	DOWN	162.3711	162.3711	162.3712	9.914217	9.811217
5682	M660T10_	1.619831	0.695843	1.045432	0.351448	0.864015	UP	659.8558	659.8519	659.8567	9.946467	9.758367
5683	M1133T11	1.182366	-0.24168	-1.00029	0.351458	0.864015	DOWN	1132.854	1132.853	1132.854	10.5188	10.47197
5684	M185T10_	1.432537	0.518572	1.032115	0.351461	0.864015	UP	184.6439	184.6437	184.6505	9.98345	9.859233
5685	M400T22	1.212142	-0.27756	-0.99366	0.351462	0.864015	DOWN	400.353	400.3526	400.3532	21.55267	21.5515
5686	M350T10_	1.612386	-0.6892	-1.00471	0.35147	0.864015	DOWN	349.5146	349.5144	349.5147	9.9174	9.811217
5687	M311T10_	3.484669	1.801022	1.051479	0.351496	0.864015	UP	311.4828	311.4823	311.4829	9.743767	9.56645
5688	M829T28	1.385571	0.47048	0.995815	0.351505	0.864015	UP	828.5087	828.5079	828.5094	27.93067	27.85283
5689	M725T10_	1.641388	0.714916	1.050165	0.351611	0.864015	UP	724.5072	724.5056	724.5076	9.858425	9.73145
5690	M430T9_8	1.767411	0.821638	1.046647	0.351638	0.864015	UP	430.3305	430.329	430.331	9.239042	9.129317
5691	M618T10_	1.997848	0.998447	1.038895	0.351681	0.864015	UP	617.8039	617.7978	617.8086	9.816317	9.62495
5692	M705T10_	6.215146	2.635788	1.052933	0.351721	0.864015	UP	704.7021	704.7017	704.7029	9.830283	9.7124
5693	M373T45	1.058971	-0.08266	-1.03175	0.351731	0.864015	DOWN	373.2219	373.2218	373.222	44.76783	44.624
5694	M477T9_8	1.157276	-0.21073	-0.99126	0.351731	0.864015	DOWN	477.4071	477.4069	477.4072	9.294408	9.129317
5695	M318T9_1	1.176356	-0.23432	-0.99024	0.351845	0.864015	DOWN	318.2155	318.215	318.2164	8.82795	8.742633
5696	M591T10_	1.958034	0.969406	1.039051	0.352092	0.864015	UP	591.3732	591.3726	591.3745	9.637258	9.557333
5697	M536T28	64.01955	6.000441	1.052008	0.352145	0.864015	UP	536.3492	536.3474	536.3504	27.70617	27.65467
5698	M619T10_	1.151618	-0.20366	-1.00787	0.352177	0.864015	DOWN	619.4242	619.4237	619.4281	9.825492	9.715683
5699	M353T13_	1.276077	-0.35172	-0.98775	0.352221	0.864015	DOWN	353.2892	353.2889	353.2893	12.52832	12.48692
5700	M726T11_	1.179925	-0.2387	-0.99002	0.352298	0.864015	DOWN	726.1087	726.1079	726.1092	10.892	10.8646
5701	M458T9_1	1.286304	-0.36323	-0.98757	0.352463	0.864015	DOWN	458.3814	458.3743	458.3817	9.303525	9.146383
5702	M396T9_1	1.34863	-0.43149	-0.98729	0.352468	0.864015	DOWN	396.3543	396.3529	396.3561	9.371592	9.18975
5703	M496T31	1.700764	0.766183	1.004564	0.352596	0.864016	UP	496.3392	496.3391	496.3399	31.29167	31.277
5704	M821T10_	1.180502	-0.2394	-1.00172	0.352622	0.864016	DOWN	820.9654	820.9645	820.9666	9.917167	9.811217

5705	M417T9_1	1.369957	-0.45413	-0.992	0.352622	0.864016	DOWN	417.3995	417.399	417.4006	9.345625	9.2946
5706	M226T10_	1.192914	-0.25449	-0.99786	0.352631	0.864016	DOWN	225.7164	225.7162	225.7165	9.917167	9.811217
5707	M660T10_	1.314718	0.394753	0.988767	0.35264	0.864016	UP	659.8946	659.8936	659.8973	9.8371	9.696683
5708	M390T11_	1.143102	-0.19295	-0.9935	0.352664	0.864016	DOWN	389.5655	389.565	389.5656	10.90551	10.879
5709	M295T16	2.017922	1.012871	1.006612	0.352694	0.864016	UP	295.2093	295.2091	295.2097	16.22733	16.21317
5710	M454T43_	1.381167	0.465888	1.03122	0.352757	0.864016	UP	454.2642	454.2641	454.2644	43.4595	43.371
5711	M318T10_	1.454627	-0.54065	-1.04537	0.352819	0.864016	DOWN	317.9306	317.9299	317.931	9.758367	9.747533
5712	M1422T10	1.438308	-0.52437	-0.98662	0.352842	0.864016	DOWN	1421.821	1421.821	1421.823	9.828642	9.7124
5713	M443T12	1.116805	-0.15938	-0.99464	0.352927	0.864016	DOWN	443.3005	443.3003	443.3006	11.71523	11.68457
5714	M496T19	1.239454	-0.3097	-0.98677	0.352928	0.864016	DOWN	496.303	496.3024	496.3033	18.59967	18.58517
5715	M646T10_	1.134204	0.18168	0.990049	0.352979	0.864016	UP	646.4351	646.4346	646.4356	10.40425	10.35992
5716	M769T10_	4.267078	2.093248	1.048376	0.353034	0.864016	UP	769.4823	769.4817	769.4833	9.760483	9.743767
5717	M188T9_2	1.333437	-0.41515	-0.98982	0.353059	0.864016	DOWN	187.693	187.6924	187.6937	9.250817	9.18975
5718	M620T10_	3.2479	1.699507	1.049469	0.353065	0.864016	UP	620.335	620.3344	620.3402	9.823575	9.715683
5719	M496T9_6	1.228228	-0.29658	-0.98652	0.353082	0.864016	DOWN	495.8258	495.8251	495.826	9.277317	9.129317
5720	M202T10_	1.231585	0.300517	0.992465	0.353086	0.864016	UP	201.5416	201.5414	201.5417	9.960967	9.859233
5721	M208T10_	1.270538	-0.34544	-1.02339	0.353122	0.864016	DOWN	207.968	207.9679	207.968	9.8207	9.715683
5722	M464T42_	1.386746	-0.4717	-1.0029	0.353131	0.864016	DOWN	464.285	464.2849	464.2852	42.22183	42.09283
5723	M294T9_1	1.625817	-0.70116	-0.98681	0.35321	0.864016	DOWN	293.5013	293.5009	293.5015	9.35335	9.235933
5724	M429T10_	1.324237	-0.40516	-1.01223	0.35323	0.864016	DOWN	428.5753	428.5748	428.5756	9.958617	9.869467
5725	M390T43	1.180948	-0.23994	-0.98918	0.353256	0.864016	DOWN	390.2483	390.2482	390.2485	43.366	42.94167
5726	M333T10_	1.232947	-0.30211	-1.00225	0.353273	0.864016	DOWN	332.9822	332.982	332.9825	9.830508	9.699733
5727	M225T10_	1.179721	-0.23845	-1.00223	0.353273	0.864016	DOWN	225.4461	225.4459	225.4462	9.917167	9.811217
5728	M241T10_	2.719822	1.443512	1.043852	0.353398	0.864016	UP	240.8938	240.8936	240.8939	9.951283	9.843367
5729	M876T12	1.214686	0.280583	1.040867	0.353429	0.864016	UP	875.5836	875.5829	875.5838	12.10564	12.08987
5730	M702T10_	1.158823	-0.21266	-0.9943	0.353449	0.864016	DOWN	702.0622	702.062	702.0629	9.836042	9.743667
5731	M258T11_	1.200815	-0.26401	-0.98652	0.35354	0.864016	DOWN	257.5226	257.5224	257.5228	10.89308	10.873
5732	M292T26	3.336605	1.738381	1.04816	0.353694	0.864016	UP	292.2269	292.2268	292.2269	26.29167	26.27517
5733	M163T10_	1.416712	0.502546	1.001717	0.353772	0.864016	UP	162.6996	162.6993	162.705	9.960967	9.859233
5734	M393T9_1	1.431443	-0.51747	-0.9878	0.35385	0.864016	DOWN	392.5229	392.522	392.5237	9.352758	9.1602
5735	M597T15	1.219445	-0.28622	-0.98729	0.353861	0.864016	DOWN	597.3407	597.3404	597.3408	14.84639	14.51687
5736	M474T10_	1.230498	-0.29924	-1.00744	0.353922	0.864016	DOWN	473.6442	473.6439	473.6446	9.960817	9.843367
5737	M589T9_5	1.498977	-0.58398	-0.98425	0.35393	0.864016	DOWN	589.267	589.2643	589.2675	9.311883	9.22495
5738	M317T27	1.211343	-0.27661	-0.984	0.354007	0.864016	DOWN	317.3241	317.3239	317.3243	27.2135	27.18717
5739	M534T10_	1.320482	-0.40106	-0.99447	0.354029	0.864016	DOWN	533.842	533.8417	533.8424	10.08598	9.995817

5740	M259T10_	1.272869	-0.34808	-0.99997	0.354039	0.864016	DOWN	258.9657	258.957	258.9659	9.900833	9.762917
5741	M488T10_	1.263762	0.337725	1.043416	0.354081	0.864016	UP	488.1352	488.135	488.1353	9.842325	9.696683
5742	M420T22	5.908829	-2.56287	-1.04683	0.354105	0.864017	DOWN	420.3104	420.3096	420.3108	21.98433	21.95883
5743	M341T11_	1.20346	-0.26719	-0.9851	0.35411	0.864017	DOWN	341.0428	341.0427	341.0429	10.892	10.8646
5744	M235T10_	1.495843	0.580959	1.022343	0.354126	0.864017	UP	235.1135	235.1134	235.1136	9.967367	9.859233
5745	M1380T11	1.367445	-0.45148	-0.98723	0.354173	0.864017	DOWN	1380.001	1379.999	1380.005	10.85383	10.80547
5746	M606T10_	1.358759	-0.44229	-1.01063	0.3542	0.864017	DOWN	606.1628	606.1624	606.163	9.504583	9.416817
5747	M300T10_	1.570422	0.651153	1.041382	0.354249	0.864017	UP	300.1833	300.183	300.1835	9.989592	9.916767
5748	M455T9_5	1.546647	-0.62914	-0.98614	0.354289	0.864017	DOWN	454.7757	454.7686	454.779	9.217867	9.1602
5749	M602T23	1.213537	-0.27922	-1.01058	0.354366	0.864017	DOWN	602.4108	602.4102	602.4113	22.74117	22.71283
5750	M602T10_	2.159693	1.110826	1.042963	0.354391	0.864017	UP	601.9927	601.9919	601.9965	9.842	9.73145
5751	M401T11_	1.745996	-0.80405	-0.98729	0.354405	0.864017	DOWN	401.2101	401.2065	401.2131	10.99268	10.93415
5752	M570T10_	1.321037	-0.40167	-0.9849	0.354416	0.864017	DOWN	570.3606	570.3602	570.3608	10.4882	10.47197
5753	M310T18	1.678383	0.747072	1.042809	0.354472	0.864017	UP	310.2429	310.2374	310.243	18.011	17.74617
5754	M426T9_3	1.592899	-0.67165	-1.01662	0.354549	0.864017	DOWN	426.4475	426.4475	426.4476	9.174883	9.145433
5755	M309T17	1.339252	-0.42143	-0.98284	0.354594	0.864017	DOWN	309.1307	309.1306	309.1308	17.07417	16.92833
5756	M464T41_	28.52932	-4.83437	-1.04598	0.354601	0.864017	DOWN	464.3576	464.3575	464.3578	40.87	40.84133
5757	M312T9_5	1.180019	-0.23881	-0.99282	0.354731	0.864017	DOWN	312.1556	312.1553	312.1563	9.492792	9.416817
5758	M660T10_	1.254935	-0.32761	-0.98505	0.354761	0.864017	DOWN	660.0654	660.0649	660.066	9.830283	9.715683
5759	M1407T10	1.362929	0.446711	1.003654	0.35482	0.864017	UP	1407.259	1407.253	1407.262	9.917208	9.843367
5760	M452T9_6	1.223308	-0.29079	-0.98239	0.354902	0.864017	DOWN	452.3415	452.341	452.342	9.285867	9.129317
5761	M817T10_	1.259344	-0.33267	-1.01139	0.354906	0.864017	DOWN	816.562	816.5612	816.5629	9.924308	9.827283
5762	M1853T10	1.329758	-0.41116	-0.98596	0.354934	0.864017	DOWN	1852.929	1852.927	1852.932	9.8374	9.715683
5763	M620T9_2	1.508134	-0.59276	-0.98178	0.354968	0.864017	DOWN	619.8531	619.8513	619.8537	9.311167	9.130683
5764	M480T43	1.42992	-0.51593	-1.0364	0.355038	0.864017	DOWN	480.2799	480.2799	480.28	43.25092	43.2005
5765	M522T9_2	1.168334	-0.22445	-0.98184	0.355086	0.864017	DOWN	521.885	521.8834	521.8857	9.242183	9.129317
5766	M311T18	1.135985	-0.18394	-0.98144	0.355132	0.864017	DOWN	310.7446	310.7444	310.7448	18.01267	17.97833
5767	M370T10_	6.294795	2.654159	1.04358	0.355198	0.864017	UP	370.1729	370.1726	370.1732	9.960817	9.859233
5768	M289T41	1.162431	-0.21715	-0.9853	0.355265	0.864017	DOWN	289.1642	289.1642	289.1643	40.95117	40.8845
5769	M257T10_	1.260832	-0.33438	-0.98324	0.355317	0.864017	DOWN	256.5198	256.5196	256.52	9.931675	9.827283
5770	M489T10_	1.280912	0.357171	1.040306	0.355329	0.864017	UP	488.7175	488.717	488.7176	9.848833	9.696683
5771	M689T10_	1.223888	-0.29147	-0.98228	0.355372	0.864017	DOWN	688.6009	688.6003	688.6015	9.81635	9.699733
5772	M1362T10	1.277332	-0.35313	-0.98193	0.355391	0.864017	DOWN	1361.857	1361.856	1361.858	9.8207	9.699733
5773	M352T10_	1.053729	-0.0755	-1.03722	0.355455	0.864017	DOWN	351.6225	351.6224	351.6227	9.836042	9.715683
5774	M720T10_	1.133118	-0.1803	-0.98075	0.355458	0.864017	DOWN	719.6688	719.6683	719.6696	9.816225	9.715683

5775	M268T10_	1.238903	-0.30906	-0.98099	0.355602	0.864017	DOWN	268.2619	268.2618	268.2619	9.818525	9.699733
5776	M592T10_	1.325786	-0.40685	-1.00451	0.355604	0.864017	DOWN	592.0963	592.0958	592.0981	9.900133	9.779267
5777	M463T10_	1.262646	0.336451	1.039557	0.355641	0.864017	UP	463.0131	463.0127	463.0139	9.842325	9.696683
5778	M340T9_2	1.194035	-0.25585	-0.9869	0.355665	0.864018	DOWN	339.6286	339.6282	339.6287	9.246483	9.129317
5779	M456T11_	1.47603	0.561722	0.988578	0.35573	0.864018	UP	455.665	455.6642	455.6652	10.92717	10.80695
5780	M657T10_	1.258857	-0.33211	-0.99721	0.35576	0.864018	DOWN	657.0723	657.072	657.0727	9.830733	9.699733
5781	M341T10_	1.169384	-0.22575	-1.01197	0.355767	0.864018	DOWN	340.6146	340.6144	340.6149	9.8397	9.715683
5782	M801T9	1.221374	-0.2885	-1.01	0.355772	0.864018	DOWN	801.2852	801.2825	801.2868	9.16805	9.129317
5783	M374T11_	1.202191	-0.26567	-0.98085	0.355916	0.864018	DOWN	374.487	374.4858	374.4875	10.92253	10.89355
5784	M990T10	1.3476	-0.43039	-0.98955	0.355975	0.864018	DOWN	990.2047	990.2042	990.2064	9.816183	9.6681
5785	M695T10_	2.090994	1.064189	1.040928	0.355975	0.864018	UP	694.7356	694.7352	694.7369	9.830558	9.715683
5786	M357T11_	1.179619	-0.23832	-0.98088	0.355979	0.864018	DOWN	356.5284	356.5281	356.5285	10.892	10.8646
5787	M349T10_	1.216785	-0.28307	-1.01339	0.355997	0.864018	DOWN	349.0977	349.0974	349.0979	9.825492	9.715683
5788	M655T36	1.316822	0.39706	1.026294	0.356014	0.864018	UP	655.3956	655.3948	655.3959	35.92017	35.8915
5789	M637T11_	1.177616	-0.23587	-0.98259	0.356017	0.864018	DOWN	637.2597	637.2593	637.261	10.892	10.8646
5790	M208T10_	1.861233	0.896259	1.027165	0.356044	0.864018	UP	208.4454	208.4453	208.4532	9.92825	9.743767
5791	M635T9_2	1.239524	0.309786	0.987927	0.356115	0.864018	UP	635.0907	635.0905	635.0918	8.853017	8.727567
5792	M550T10_	1.519955	-0.60403	-0.97951	0.356118	0.864018	DOWN	550.2816	550.2811	550.2821	9.932033	9.827283
5793	M822T10_	1.202776	-0.26637	-1.00732	0.356129	0.864018	DOWN	822.2973	822.2965	822.299	9.924308	9.827283
5794	M334T10_	1.650638	-0.72302	-0.9938	0.356157	0.864018	DOWN	334.332	334.3318	334.3321	9.960817	9.869467
5795	M533T10_	1.199943	-0.26297	-0.98285	0.356177	0.864018	DOWN	533.2569	533.2566	533.2572	10.4915	10.42407
5796	M737T11	1.166462	-0.22214	-0.9851	0.356243	0.864018	DOWN	737.0363	737.0355	737.0394	10.90659	10.879
5797	M580T10_	1.259539	0.332896	0.979156	0.356289	0.864018	UP	580.25	580.2492	580.2504	9.948875	9.859233
5798	M370T10_	1.934933	0.952284	0.980146	0.356296	0.864018	UP	370.2258	370.2256	370.2259	9.900767	9.806367
5799	M433T10_	1.208026	-0.27265	-0.99926	0.35631	0.864018	DOWN	432.8204	432.8197	432.8212	9.97155	9.859233
5800	M453T9_1	1.553996	-0.63598	-1.00113	0.356351	0.864018	DOWN	453.2299	453.2231	453.2336	9.3141	9.146383
5801	M467T10_	1.192046	-0.25344	-1.02111	0.356357	0.864018	DOWN	466.5906	466.5904	466.5909	9.983467	9.8753
5802	M200T11_	1.196384	-0.25868	-0.97926	0.356375	0.864018	DOWN	200.4947	200.4946	200.4948	10.8926	10.879
5803	M314T13	1.67875	0.747387	1.031352	0.356377	0.864018	UP	314.2114	314.2113	314.2115	12.82052	12.79125
5804	M696T9_1	1.265395	-0.33959	-0.99409	0.356387	0.864018	DOWN	695.6138	695.6135	695.6142	9.322542	9.234417
5805	M494T11_	1.312918	-0.39278	-0.98397	0.356476	0.864018	DOWN	494.1386	494.1381	494.139	11.25067	11.18397
5806	M466T10_	1.814693	-0.85973	-0.97827	0.35664	0.864018	DOWN	466.2863	466.286	466.2866	9.756408	9.636483
5807	M556T10_	1.42624	-0.51222	-0.98318	0.356686	0.864018	DOWN	555.7267	555.7264	555.7269	9.886433	9.779267
5808	M705T21	1.308545	-0.38796	-1.00854	0.35669	0.864018	DOWN	704.5678	704.5669	704.5687	21.4235	21.40867
5809	M584T23	1.396545	0.481862	1.008982	0.356703	0.864018	UP	583.5572	583.5569	583.5579	22.90025	22.88567

5810	M299T40_	1.203208	0.266886	0.977975	0.356737	0.864018	UP	299.185	299.1848	299.1852	40.35308	40.15067
5811	M260T11_	5.410523	-2.43577	-1.04059	0.356748	0.864018	DOWN	260.2424	260.2422	260.2427	10.8926	10.879
5812	M248T10_	1.378855	-0.46347	-0.97794	0.356752	0.864018	DOWN	247.9477	247.9474	247.9479	9.772833	9.76065
5813	M640T9_4	1.454982	-0.541	-0.9925	0.356794	0.864018	DOWN	640.3912	640.3902	640.3932	9.343517	9.235933
5814	M414T11_	1.211272	-0.27652	-0.99577	0.356794	0.864018	DOWN	413.9795	413.9793	413.9796	10.90548	10.879
5815	M659T10_	1.283491	-0.36007	-0.978	0.356828	0.864018	DOWN	659.3282	659.3275	659.3288	9.825492	9.788267
5816	M568T10_	1.378478	-0.46308	-0.98711	0.356858	0.864018	DOWN	567.8307	567.8304	567.831	9.960817	9.8753
5817	M342T10_	1.291061	-0.36856	-1.00598	0.356905	0.864018	DOWN	342.2687	342.2666	342.2689	9.957333	9.951283
5818	M227T9_2	1.530106	-0.61363	-0.98262	0.356964	0.864018	DOWN	227.479	227.4775	227.4798	9.280175	9.146383
5819	M847T10_	1.113388	0.154957	0.979287	0.357099	0.864018	UP	847.4884	847.488	847.4889	10.10432	10.03658
5820	M314T9_3	1.194535	-0.25645	-0.9838	0.357119	0.864018	DOWN	313.7032	313.7029	313.7035	9.246483	9.129317
5821	M273T44_	1.216694	-0.28297	-1.00202	0.357178	0.864018	DOWN	273.1692	273.1691	273.1694	43.66083	43.402
5822	M411T10_	1.20401	0.267848	1.002846	0.35719	0.864018	UP	411.1585	411.1581	411.1587	9.979342	9.8753
5823	M269T10_	1.404471	0.490027	1.009576	0.357222	0.864019	UP	269.2788	269.2787	269.2789	9.999217	9.8914
5824	M394T9_1	1.6517	0.723952	0.99482	0.357226	0.864019	UP	394.4011	394.4007	394.4015	9.18215	9.03845
5825	M386T10_	1.458783	0.544765	1.0295	0.357236	0.864019	UP	385.9789	385.9788	385.979	9.902617	9.79535
5826	M176T10_	1.23917	-0.30937	-1.00766	0.357255	0.864019	DOWN	175.9619	175.9619	175.9739	9.8207	9.715683
5827	M224T6	1.519149	-0.60326	-0.98651	0.357287	0.864019	DOWN	224.1223	224.1223	224.1225	6.4277	6.319217
5828	M319T9_1	1.263837	-0.33781	-0.99169	0.357306	0.864019	DOWN	318.68	318.6798	318.6807	9.322542	9.234417
5829	M741T10_	1.960832	0.971466	1.037469	0.357345	0.864019	UP	741.3321	741.3314	741.3325	9.848833	9.73145
5830	M422T10_	1.447762	0.533825	1.009152	0.357352	0.864019	UP	422.4186	422.4179	422.4187	9.975142	9.859233
5831	M246T11_	1.180369	0.239238	0.982118	0.357363	0.864019	UP	246.0454	246.0447	246.0462	10.94208	10.8926
5832	M455T10_	1.974198	-0.98127	-0.98971	0.357451	0.864019	DOWN	455.3215	455.3214	455.3225	9.967367	9.859233
5833	M1181T10	1.160033	-0.21417	-0.97763	0.357504	0.864019	DOWN	1181.268	1181.267	1181.275	9.830558	9.699733
5834	M379T17	1.757151	0.813238	1.029459	0.357529	0.864019	UP	379.2952	379.295	379.2957	17.09542	17.05783
5835	M578T9_3	1.377208	-0.46175	-0.98601	0.357532	0.864019	DOWN	578.3298	578.3296	578.331	9.420133	9.355317
5836	M492T28_	2.878196	1.525165	1.037261	0.357547	0.864019	UP	492.345	492.3447	492.3454	28.272	28.22917
5837	M507T10_	1.255623	0.328404	0.976683	0.35755	0.864019	UP	506.7314	506.7308	506.7317	9.967367	9.859233
5838	M400T19	98.25999	-6.61853	-1.03869	0.35761	0.864019	DOWN	400.1964	400.1962	400.1964	18.54442	18.54183
5839	M407T11_	1.363981	0.447823	1.021832	0.357618	0.864019	UP	407.4351	407.4346	407.4357	10.86874	10.83572
5840	M209T12	1.456074	0.542084	0.98773	0.357659	0.864019	UP	209.1511	209.151	209.1513	12.48519	12.44175
5841	M268T10_	1.950076	0.96353	1.026599	0.357675	0.864019	UP	268.076	268.0757	268.0762	9.960817	9.859233
5842	M283T12	1.448968	-0.53503	-0.97595	0.357677	0.864019	DOWN	283.1971	283.1966	283.2069	11.50446	11.45297
5843	M752T11_	1.172855	-0.23002	-0.97872	0.357705	0.864019	DOWN	751.5039	751.5035	751.5042	10.90519	10.88747
5844	M866T10_	1.131575	-0.17833	-1.02784	0.357724	0.864019	DOWN	865.5346	865.534	865.5362	9.97155	9.859233

5845	M1028T9	2.190067	1.130975	1.032791	0.357764	0.864019	UP	1028.442	1028.44	1028.444	9.416358	9.288883
5846	M654T10_	1.259609	0.332976	1.005985	0.357794	0.864019	UP	654.0217	654.0214	654.0223	9.970617	9.859233
5847	M367T16	1.208185	-0.27284	-0.98065	0.357816	0.864019	DOWN	367.1361	367.136	367.1363	15.95783	15.92052
5848	M463T11_	1.224109	-0.29173	-0.97592	0.357816	0.864019	DOWN	462.8205	462.8203	462.8213	10.91987	10.84847
5849	M1004T10	1.623947	-0.6995	-0.9809	0.357826	0.864019	DOWN	1003.646	1003.645	1003.647	9.9351	9.853533
5850	M1133T11	1.182082	0.24133	1.01556	0.357873	0.864019	UP	1132.85	1132.85	1132.851	10.8926	10.87487
5851	M255T9	1.755144	-0.81159	-1.01567	0.3579	0.864019	DOWN	254.8603	254.86	254.8604	9.322342	9.12675
5852	M746T10_	1.362709	0.446478	1.034871	0.35808	0.864019	UP	746.4693	746.4667	746.4703	9.839008	9.715683
5853	M675T10_	2.551685	1.35145	1.031009	0.358089	0.864019	UP	675.3479	675.3444	675.3488	9.9387	9.856867
5854	M512T9_2	1.731825	0.792294	1.016475	0.358114	0.864019	UP	511.6984	511.6982	511.6986	9.4601	9.370583
5855	M256T10_	1.802527	-0.85002	-1.02489	0.358235	0.864019	DOWN	256.3198	256.3195	256.3199	9.960817	9.859233
5856	M437T28	1.533376	0.616712	0.99348	0.358412	0.864019	UP	436.7703	436.7697	436.7704	28.06917	27.98217
5857	M417T9_9	1.352588	0.435723	0.974375	0.358426	0.864019	UP	417.1104	417.1095	417.1139	9.249433	9.078567
5858	M482T9_1	1.434772	-0.52082	-0.97541	0.358427	0.864019	DOWN	481.8377	481.8375	481.8381	9.275917	9.191133
5859	M1685T10	1.299134	-0.37755	-0.98272	0.358458	0.864019	DOWN	1685.448	1685.446	1685.451	9.82645	9.728083
5860	M715T27	1.180602	-0.23952	-0.97834	0.358484	0.864019	DOWN	714.5361	714.5356	714.5363	26.901	26.88233
5861	M465T10_	1.239646	0.309928	0.982946	0.358531	0.864019	UP	465.3372	465.3349	465.3375	10.189	10.08517
5862	M513T10_	1.379197	-0.46383	-1.01135	0.358574	0.864019	DOWN	512.6538	512.6524	512.6542	10.4441	10.39298
5863	M364T10_	1.373937	0.458316	1.028701	0.358606	0.864019	UP	363.8832	363.8822	363.8836	9.84095	9.715683
5864	M1126T10	1.333251	-0.41495	-1.00798	0.358629	0.864019	DOWN	1125.819	1125.818	1125.82	9.979667	9.885167
5865	M288T11_	163.4587	7.352782	1.036116	0.358674	0.864019	UP	288.1495	288.1493	288.1496	11.43215	11.42402
5866	M241T11_	1.260436	-0.33392	-0.97426	0.358793	0.864019	DOWN	241.3117	241.3117	241.3118	10.91674	10.87765
5867	M810T10_	1.271313	-0.34632	-1.00852	0.358838	0.86402	DOWN	809.5612	809.5602	809.5616	9.900133	9.811217
5868	M171T9_3	1.197014	-0.25944	-0.97542	0.358967	0.86402	DOWN	171.1042	171.1033	171.1045	9.333667	9.219483
5869	M360T29	1.154407	-0.20715	-0.9738	0.359047	0.86402	DOWN	360.3469	360.3468	360.347	29.28117	29.27483
5870	M213T10_	1.216298	0.282496	0.99092	0.359085	0.86402	UP	213.3937	213.3935	213.3944	9.918833	9.811217
5871	M271T10_	1.310429	0.39004	0.98739	0.359114	0.86402	UP	271.0621	271.0619	271.0622	9.983467	9.8753
5872	M392T9_3	1.285795	-0.36266	-0.97514	0.359131	0.86402	DOWN	391.9367	391.9363	391.9418	9.237667	9.1428
5873	M213T9_4	1.544604	-0.62724	-1.01798	0.359143	0.86402	DOWN	212.6083	212.6079	212.6091	9.2129	9.1178
5874	M254T26	1.328771	0.410092	0.975003	0.359181	0.86402	UP	254.1534	254.1533	254.1535	25.75267	25.7395
5875	M472T9_3	1.144716	0.19499	0.972798	0.359184	0.86402	UP	471.8617	471.8615	471.8619	9.220933	9.129317
5876	M641T10_	1.288611	-0.36582	-0.97692	0.359212	0.86402	DOWN	640.7819	640.7815	640.7825	9.825767	9.699733
5877	M1091T10	1.170521	0.227151	0.979932	0.359215	0.86402	UP	1090.717	1090.715	1090.721	9.834117	9.715683
5878	M469T41	18.51324	-4.21049	-1.03478	0.359225	0.86402	DOWN	469.3133	469.3129	469.3135	40.87	40.8415
5879	M752T10_	2.164799	1.114233	1.032256	0.359246	0.86402	UP	752.1605	752.1577	752.161	9.846225	9.715683



5880	M254T12	94.47284	-6.56183	-1.03444	0.359364	0.86402	DOWN	254.1385	254.1384	254.1388	11.52295	11.48308
5881	M454T11_	3.666839	-1.87454	-1.03339	0.359414	0.86402	DOWN	454.327	454.3268	454.328	10.86275	10.81958
5882	M434T11_	1.12581	0.170963	0.988098	0.359426	0.86402	UP	434.3267	434.326	434.327	10.90548	10.87487
5883	M340T10_	1.599528	-0.67765	-0.9749	0.359442	0.86402	DOWN	339.7297	339.7295	339.73	9.806942	9.715683
5884	M1413T10	1.527421	-0.6111	-0.98437	0.359492	0.86402	DOWN	1413.242	1413.241	1413.248	9.912633	9.900133
5885	M211T11_	1.095408	-0.13147	-0.9746	0.359555	0.86402	DOWN	211.152	211.152	211.1521	10.90659	10.89355
5886	M348T10_	1.081863	-0.11352	-0.99984	0.359631	0.86402	DOWN	348.4955	348.4953	348.4957	9.872475	9.747533
5887	M259T10_	1.322698	-0.40348	-0.98307	0.359635	0.86402	DOWN	258.8602	258.86	258.8604	9.81635	9.699733
5888	M520T12_	1.156025	-0.20917	-0.97236	0.359713	0.86402	DOWN	520.3935	520.3933	520.3937	11.63474	11.61345
5889	M676T10_	1.247858	-0.31945	-0.9746	0.359723	0.86402	DOWN	676.4115	676.4093	676.4124	9.86435	9.743667
5890	M572T10_	1.114312	-0.15615	-0.98067	0.359769	0.86402	DOWN	571.9831	571.9825	571.9833	9.9149	9.79535
5891	M1851T10	1.260283	-0.33375	-0.99094	0.359818	0.86402	DOWN	1851.282	1851.281	1851.286	9.822467	9.715683
5892	M378T43_	3.575328	-1.83808	-1.03199	0.359831	0.86402	DOWN	378.2482	378.2481	378.2484	42.94167	42.78333
5893	M278T10_	1.402794	-0.4883	-0.97169	0.359917	0.86402	DOWN	278.2991	278.2989	278.2995	9.932033	9.843367
5894	M331T10_	1.30771	0.387042	1.015236	0.359977	0.86402	UP	331.4634	331.459	331.4635	9.97155	9.856867
5895	M850T11_	1.134504	-0.18206	-0.97698	0.359981	0.86402	DOWN	850.1805	850.1798	850.1813	10.90519	10.879
5896	M421T11_	1.696862	0.762869	1.025054	0.360059	0.86402	UP	421.3124	421.3121	421.3132	10.90343	10.879
5897	M643T10_	1.216673	-0.28294	-1.00175	0.360099	0.86402	DOWN	643.1203	643.1143	643.1234	9.830558	9.699733
5898	M497T9_9	1.412401	-0.49815	-0.97846	0.360318	0.86402	DOWN	497.1239	497.1233	497.1247	9.365833	9.191133
5899	M355T20_	1.190719	-0.25183	-1.00336	0.360338	0.86402	DOWN	355.2378	355.2376	355.238	19.88958	19.88183
5900	M220T10_	1.690716	0.757635	1.008219	0.360362	0.86402	UP	220.2266	220.2265	220.2268	9.886783	9.859667
5901	M330T10_	1.154575	-0.20736	-0.97248	0.360401	0.864021	DOWN	329.7769	329.7767	329.7773	9.902617	9.665433
5902	M436T9_6	1.631137	0.705878	1.022426	0.360512	0.864021	UP	435.8454	435.8452	435.8459	9.325533	9.275917
5903	M438T43_	1.081408	-0.11291	-1.02588	0.360611	0.864021	DOWN	438.2693	438.2692	438.2695	43.3445	43.12867
5904	M591T35	2.883892	1.528017	1.030664	0.36062	0.864021	UP	591.4295	591.4291	591.4301	34.55217	34.53717
5905	M271T45	1.236869	-0.30669	-0.97055	0.360621	0.864021	DOWN	271.1901	271.1899	271.1902	44.768	44.46583
5906	M678T10_	1.171588	-0.22847	-0.99521	0.360739	0.864021	DOWN	677.5116	677.5113	677.5126	9.825767	9.715683
5907	M407T23	1.235477	-0.30507	-0.97311	0.360743	0.864021	DOWN	407.3554	407.355	407.3564	22.71217	22.683
5908	M518T43_	1.261193	0.334789	0.972289	0.360755	0.864021	UP	518.2955	518.2953	518.2958	42.61067	42.43817
5909	M221T10_	5.526832	2.466453	1.030179	0.360797	0.864021	UP	220.5365	220.5363	220.5488	9.918133	9.715683
5910	M500T9_4	1.258663	-0.33189	-0.99008	0.360823	0.864021	DOWN	499.7956	499.7953	499.7963	9.155008	9.07945
5911	M214T9_1	2.179697	1.124128	1.025517	0.36086	0.864021	UP	214.1335	214.1317	214.1341	9.328967	9.1322
5912	M564T42_	1.273052	0.348291	0.970442	0.360873	0.864021	UP	564.3013	564.301	564.3016	41.53183	41.44583
5913	M1958T10	1.665671	0.736103	1.004861	0.360886	0.864021	UP	1958.384	1958.383	1958.386	9.870017	9.79065
5914	M414T9_1	1.430184	-0.5162	-0.97003	0.360973	0.864021	DOWN	414.2234	414.2226	414.2239	9.306642	9.20785

5915	M407T9_3	1.535512	-0.61872	-0.96888	0.360982	0.864021	DOWN	407.2252	407.2249	407.2254	8.843083	8.679733
5916	M879T10_	1.111483	-0.15249	-0.98105	0.361034	0.864021	DOWN	879.1271	879.1264	879.128	9.9091	9.79535
5917	M223T11_	1.129431	-0.1756	-0.97338	0.361042	0.864021	DOWN	222.854	222.8538	222.8543	10.92487	10.879
5918	M163T10_	1.282703	0.359187	0.970379	0.361086	0.864021	UP	162.6669	162.6666	162.6669	9.754208	9.636483
5919	M348T10_	1.182759	-0.24216	-0.98139	0.361095	0.864021	DOWN	348.2567	348.2566	348.2568	9.63565	9.52595
5920	M913T10_	1.403896	-0.48944	-0.96917	0.361194	0.864021	DOWN	912.9194	912.9187	912.9206	9.983217	9.946367
5921	M773T10_	1.715677	0.778778	1.029582	0.361308	0.864021	UP	773.0236	773.0194	773.0248	9.823575	9.715683
5922	M231T10_	1.099141	-0.13638	-0.96884	0.361395	0.864021	DOWN	230.6872	230.6871	230.6872	9.924308	9.811217
5923	M493T11_	1.195776	-0.25795	-0.99888	0.361437	0.864021	DOWN	492.6385	492.6381	492.6388	10.93338	10.89355
5924	M163T10_	1.195221	0.257277	0.973968	0.361503	0.864021	UP	163.2027	163.2027	163.2028	9.983433	9.8753
5925	M846T11	1.478766	0.564394	0.968334	0.36151	0.864021	UP	845.5712	845.5696	845.5718	10.8926	10.89125
5926	M448T9_1	1.370661	-0.45487	-0.98591	0.361549	0.864021	DOWN	447.5277	447.5273	447.5281	9.262217	9.142767
5927	M1506T10	1.338048	-0.42013	-0.98558	0.361762	0.864021	DOWN	1506.244	1506.241	1506.245	9.887817	9.79535
5928	M326T23	1.18253	-0.24188	-0.98988	0.36177	0.864021	DOWN	326.196	326.1959	326.1961	23.3945	23.36683
5929	M1337T10	1.787714	0.838116	1.014522	0.361777	0.864021	UP	1337.202	1337.201	1337.205	9.874067	9.79535
5930	M294T11	7.849748	2.972646	1.028478	0.361803	0.864021	UP	294.2487	294.2427	294.2491	10.91734	10.85838
5931	M171T12	1.765013	-0.81968	-1.01832	0.361824	0.864021	DOWN	171.1166	171.1164	171.1167	12.2665	12.2226
5932	M202T11_	1.152061	-0.20422	-0.97097	0.36183	0.864021	DOWN	202.0097	202.0096	202.0099	10.90519	10.879
5933	M315T40	1.49524	-0.58038	-0.9724	0.361862	0.864021	DOWN	315.1799	315.1799	315.1801	40.16533	39.8775
5934	M537T28	140.8812	7.138335	1.028293	0.361925	0.864021	UP	537.3511	537.3506	537.3518	27.69583	27.66417
5935	M548T10_	2.97179	1.571332	1.027421	0.361927	0.864021	UP	548.2886	548.2883	548.2892	9.983467	9.8753
5936	M501T10_	1.675073	0.744224	1.013108	0.362013	0.864022	UP	500.836	500.835	500.8367	9.787492	9.699733
5937	M499T11	1.236802	-0.30661	-0.9937	0.36207	0.864022	DOWN	498.5992	498.5988	498.5993	10.90765	10.879
5938	M716T12	1.188199	0.248776	0.966599	0.362124	0.864022	UP	716.4937	716.4932	716.4942	11.62748	11.57545
5939	M151T45	1.111346	-0.15231	-1.00663	0.36213	0.864022	DOWN	151.1115	151.1114	151.1115	44.79667	44.7535
5940	M361T11_	1.177918	-0.23624	-0.96899	0.362243	0.864022	DOWN	361.4199	361.4197	361.4209	10.90519	10.879
5941	M1775T10	1.658285	0.729692	1.021508	0.362267	0.864022	UP	1775.012	1775.01	1775.016	9.85305	9.728083
5942	M255T11_	1.28921	0.366488	0.974603	0.362276	0.864022	UP	255.0573	255.0572	255.0574	10.88306	10.8646
5943	M328T10_	1.125317	-0.17033	-0.96671	0.362392	0.864022	DOWN	327.8811	327.8809	327.8815	9.8207	9.715683
5944	M210T10_	1.169998	-0.22651	-0.96879	0.362427	0.864022	DOWN	210.2645	210.2644	210.272	9.823317	9.715683
5945	M369T9_1	1.30205	-0.38078	-0.97084	0.36246	0.864022	DOWN	368.8557	368.8541	368.8563	9.203808	9.126783
5946	M547T21	1.235299	-0.30486	-0.96564	0.362513	0.864022	DOWN	547.4656	547.4646	547.4671	21.20317	21.1795
5947	M230T10_	1.283918	-0.36055	-0.97016	0.36259	0.864022	DOWN	229.5362	229.5315	229.5407	9.887642	9.79535
5948	M261T10_	3.46044	1.790955	0.997731	0.362628	0.864022	UP	261.0824	261.0823	261.0825	9.977533	9.916767
5949	M1711T9	323.8202	8.339049	1.026409	0.362712	0.864022	UP	1711.391	1711.39	1711.396	9.333667	9.311883

5950	M314T9_6	1.142781	-0.19255	-0.96603	0.36272	0.864022	DOWN	314.1102	314.1098	314.1103	9.294567	9.129317
5951	M1110T10	1.13849	-0.18712	-0.99504	0.362746	0.864022	DOWN	1110.436	1110.435	1110.437	9.75145	9.65225
5952	M373T10_	2.110242	1.077408	1.022687	0.362762	0.864022	UP	372.8483	372.8482	372.8486	9.8153	9.715683
5953	M508T10_	23.38479	4.547499	1.025924	0.362906	0.864022	UP	508.2982	508.298	508.2982	9.567617	9.447617
5954	M699T10_	1.610673	0.687664	1.022817	0.362942	0.864022	UP	699.4439	699.4435	699.4443	9.825492	9.715683
5955	M454T17	1.5836	-0.66321	-1.02184	0.36296	0.864022	DOWN	454.3463	454.3458	454.3463	17.43767	17.25617
5956	M551T11_	1.229819	-0.29845	-0.99132	0.363012	0.864022	DOWN	551.3384	551.3378	551.3406	10.67448	10.61667
5957	M438T39_	1.129111	0.175188	0.982487	0.363053	0.864022	UP	438.2694	438.2692	438.2695	39.158	39.0715
5958	M447T9_1	1.581389	-0.66119	-0.96578	0.363115	0.864022	DOWN	446.6394	446.6386	446.64	8.738925	8.667783
5959	M478T39_	1.238206	0.308251	0.97475	0.363193	0.864022	UP	478.2644	478.2642	478.2647	39.46017	39.2875
5960	M243T10_	1.220073	-0.28697	-0.99144	0.363203	0.864022	DOWN	242.5995	242.5995	242.5997	9.830508	9.715683
5961	M459T10_	1.876576	-0.9081	-0.9966	0.363259	0.864022	DOWN	459.2041	459.203	459.2047	9.960817	9.843367
5962	M351T9_6	1.355275	0.438586	0.966031	0.363271	0.864022	UP	350.758	350.7577	350.7688	9.458417	9.317
5963	M504T9_3	1.204482	-0.26841	-0.9693	0.363344	0.864022	DOWN	504.2809	504.2774	504.2818	9.36145	9.22495
5964	M698T11	1.212956	-0.27853	-0.98324	0.363352	0.864022	DOWN	698.0399	698.0389	698.0403	10.90197	10.88995
5965	M680T10_	1.071115	-0.09911	-0.9718	0.363365	0.864022	DOWN	679.5095	679.509	679.5104	9.84095	9.715683
5966	M518T10_	1.563389	0.644676	1.015813	0.363379	0.864022	UP	518.4388	518.4383	518.4389	9.989733	9.8914
5967	M718T10_	1.453902	0.53993	1.018851	0.363449	0.864022	UP	718.4704	718.4699	718.4706	9.844267	9.715683
5968	M335T9_1	2.260605	-1.17671	-1.00965	0.363486	0.864022	DOWN	335.3168	335.3165	335.3171	9.174883	9.142767
5969	M211T10_	1.706367	-0.77093	-0.97991	0.363488	0.864022	DOWN	211.1962	211.1922	211.2003	9.858033	9.699733
5970	M232T21	1.200956	-0.26418	-0.98773	0.363686	0.864023	DOWN	232.1694	232.1693	232.1695	20.76567	20.7635
5971	M188T9_1	3.349527	1.743958	1.013473	0.363713	0.864023	UP	188.4773	188.4725	188.478	9.365742	9.1175
5972	M472T25_	1.46349	-0.54941	-0.98336	0.363787	0.864023	DOWN	472.3399	472.3393	472.3403	25.26067	25.14333
5973	M671T10_	1.247371	0.318891	0.963731	0.363789	0.864023	UP	671.3847	671.3825	671.3855	9.76065	9.65225
5974	M647T9_4	1.390877	-0.476	-0.96582	0.363792	0.864023	DOWN	647.0703	647.0697	647.0805	9.297858	9.219483
5975	M461T11_	1.140755	-0.18999	-0.97077	0.363826	0.864023	DOWN	461.4881	461.4878	461.4882	10.90519	10.879
5976	M394T9_3	1.295619	0.373641	0.964573	0.363843	0.864023	UP	393.9766	393.9759	393.9773	8.872733	8.7891
5977	M396T10_	1.095844	-0.13204	-0.96406	0.363849	0.864023	DOWN	395.7582	395.758	395.7583	9.917167	9.811217
5978	M590T35	2.675924	1.420037	1.021329	0.363887	0.864023	UP	590.4261	590.4258	590.4262	34.55142	34.5155
5979	M444T45	1.029588	0.042067	0.963171	0.363899	0.864023	UP	444.4044	444.4041	444.4046	44.80392	44.78217
5980	M400T11_	1.410739	-0.49645	-0.96394	0.363904	0.864023	DOWN	400.4011	400.4006	400.4015	10.94835	10.81958
5981	M619T10_	1.924104	0.944187	1.020944	0.363945	0.864023	UP	618.5931	618.5923	618.5969	9.823575	9.715683
5982	M216T10_	1.352252	-0.43536	-0.96734	0.364008	0.864023	DOWN	216.3464	216.346	216.3471	9.830333	9.715683
5983	M682T10_	1.200866	-0.26408	-1.0025	0.364036	0.864023	DOWN	681.931	681.9304	681.9319	9.886608	9.747533
5984	M787T10_	1.246875	-0.31832	-0.98546	0.364036	0.864023	DOWN	787.2988	787.2979	787.2996	9.938708	9.8378

5985	M379T32_	2.061989	-1.04404	-0.98912	0.364044	0.864023	DOWN	378.9423	378.9418	378.9424	31.69567	31.6525
5986	M324T9_8	1.504094	-0.58889	-0.96232	0.364083	0.864023	DOWN	324.1106	324.1084	324.113	9.168958	9.079083
5987	M416T25_	1.098123	0.135039	0.964627	0.364183	0.864023	UP	416.2146	416.2145	416.2148	24.59817	24.5795
5988	M310T10_	1.202248	-0.26574	-0.98565	0.364184	0.864023	DOWN	310.188	310.1876	310.188	9.903017	9.811217
5989	M335T10_	1.167232	-0.22309	-0.98194	0.364204	0.864023	DOWN	334.5025	334.5023	334.5027	9.8207	9.715683
5990	M879T11_	1.301933	-0.38065	-0.99562	0.364247	0.864023	DOWN	878.5441	878.543	878.5455	10.7837	10.76313
5991	M227T11_	1.19432	-0.25619	-0.97647	0.36429	0.864023	DOWN	226.5281	226.5281	226.5282	10.90551	10.879
5992	M703T10_	1.125888	-0.17106	-0.9666	0.36432	0.864023	DOWN	702.9276	702.9272	702.9285	9.830733	9.715683
5993	M694T9_2	1.405917	-0.49151	-0.99483	0.364346	0.864023	DOWN	693.8432	693.8427	693.8435	9.313325	9.234417
5994	M818T10_	1.10887	-0.14909	-0.96591	0.364386	0.864023	DOWN	817.8225	817.8219	817.8235	9.915583	9.79535
5995	M251T10_	2.057844	-1.04113	-1.02059	0.364401	0.864023	DOWN	250.9223	250.922	250.9224	9.986767	9.8914
5996	M308T10_	1.306872	-0.38612	-0.96218	0.364413	0.864023	DOWN	307.8966	307.8928	307.8969	9.902617	9.79535
5997	M726T10_	1.548498	0.63087	1.017777	0.364538	0.864023	UP	725.559	725.5571	725.5595	9.858425	9.73145
5998	M786T10_	1.44952	-0.53557	-0.9703	0.364567	0.864023	DOWN	786.4967	786.4953	786.4987	9.6055	9.52595
5999	M520T9_2	1.374273	-0.45867	-0.96526	0.364571	0.864023	DOWN	519.5891	519.5879	519.5903	9.160408	9.142767
6000	M683T10_	1.095007	-0.13094	-0.98077	0.364613	0.864023	DOWN	682.5214	682.521	682.5216	9.84095	9.715683
6001	M189T10_	1.198721	-0.2615	-0.96354	0.364657	0.864023	DOWN	188.7465	188.7462	188.7465	9.970617	9.8753
6002	M1552T10	1.458483	-0.54447	-0.96479	0.364778	0.864023	DOWN	1551.641	1551.637	1551.644	9.86645	9.857983
6003	M808T10_	1.124022	-0.16867	-0.96091	0.364795	0.864023	DOWN	807.97	807.9688	807.9707	10.27475	10.18238
6004	M1566T9	244.8883	7.93598	1.021135	0.364923	0.864023	UP	1565.799	1565.796	1565.805	9.38065	9.333667
6005	M415T9_9	1.382874	0.467669	0.960672	0.36498	0.864023	UP	415.3472	415.3461	415.3519	9.178417	9.129317
6006	M697T10_	3.034825	-1.60161	-1.01895	0.365097	0.864023	DOWN	697.2621	697.261	697.2627	9.830833	9.715683
6007	M678T10_	1.587828	0.667055	1.0197	0.365105	0.864023	UP	677.6041	677.6036	677.6052	9.847817	9.715683
6008	M471T9_2	1.433501	-0.51954	-0.96123	0.365121	0.864023	DOWN	470.9781	470.9767	470.9801	9.439233	9.41815
6009	M589T10_	1.118614	-0.16171	-0.9613	0.36515	0.864023	DOWN	589.3984	589.3977	589.3986	9.939575	9.827283
6010	M424T11_	1.210096	-0.27512	-0.97314	0.365154	0.864023	DOWN	424.3447	424.3445	424.3448	10.62797	10.59763
6011	M200T10_	1.068479	-0.09556	-0.96015	0.365272	0.864024	DOWN	200.2439	200.2438	200.2441	9.857833	9.747533
6012	M289T23_	1.070753	-0.09863	-0.98975	0.365297	0.864024	DOWN	289.4286	289.4284	289.4288	22.90042	22.88567
6013	M1332T10	1.17591	0.233778	0.966017	0.365325	0.864024	UP	1331.741	1331.74	1331.742	9.96665	9.8753
6014	M242T13	2.045325	1.03233	1.018844	0.365327	0.864024	UP	242.1748	242.1747	242.1749	13.18607	12.95185
6015	M283T10_	1.330139	0.411577	0.973841	0.3654	0.864024	UP	282.5944	282.5941	282.5945	9.975217	9.859233
6016	M407T9_4	1.422817	0.50875	0.966982	0.365429	0.864024	UP	407.225	407.2247	407.2343	9.226258	9.1158
6017	M199T9_1	3.040529	1.604322	1.015021	0.365459	0.864024	UP	199.4865	199.4762	199.4882	9.36565	9.111033
6018	M724T10_	1.766017	0.8205	1.018475	0.365482	0.864024	UP	723.5069	723.5004	723.5076	9.8018	9.602967
6019	M617T9_1	1.35738	-0.44083	-0.97104	0.365518	0.864024	DOWN	616.5539	616.5464	616.555	9.182992	9.1445

6020	M358T11_	1.23635	-0.30609	-0.96861	0.365544	0.864024	DOWN	358.2119	358.2118	358.2119	10.89133	10.88747
6021	M1033T12	1.390902	-0.47602	-0.95914	0.365584	0.864024	DOWN	1032.542	1032.542	1032.542	11.60483	11.56978
6022	M167T9_6	3.150398	1.655534	1.015473	0.365612	0.864024	UP	167.2168	167.2166	167.2171	9.126783	9.110833
6023	M522T33	2.576372	1.365341	1.008175	0.36571	0.864024	UP	522.355	522.3545	522.3554	33.36917	33.34033
6024	M1216T11	1.262511	-0.3363	-0.97104	0.365747	0.864024	DOWN	1215.903	1215.902	1215.904	10.91519	10.88747
6025	M204T10_	1.241151	-0.31168	-0.97472	0.365873	0.864024	DOWN	203.8864	203.8863	203.8866	9.825492	9.715683
6026	M584T9_9	7.060623	2.819795	1.018587	0.365883	0.864024	UP	584.4376	584.4368	584.4389	9.199675	9.05865
6027	M302T11_	1.593232	0.671956	1.017074	0.365916	0.864024	UP	302.2115	302.2114	302.2115	10.57278	10.56775
6028	M315T10_	3.521338	1.816124	1.018088	0.366004	0.864024	UP	315.2832	315.2806	315.2834	9.512983	9.431017
6029	M525T10_	1.391732	-0.47688	-0.99421	0.366006	0.864024	DOWN	524.9299	524.9297	524.9301	9.9351	9.8378
6030	M570T10_	1.145259	-0.19567	-0.96044	0.366039	0.864024	DOWN	570.3922	570.3916	570.3924	9.957333	9.859233
6031	M338T10_	1.562907	0.644232	0.978097	0.366067	0.864024	UP	338.3305	338.3301	338.3306	9.886433	9.856867
6032	M409T11_	1.227641	-0.29589	-0.96226	0.366115	0.864024	DOWN	409.4663	409.4656	409.4667	10.93338	10.89355
6033	M333T12_	1.125994	-0.1712	-0.95797	0.366131	0.864024	DOWN	332.9781	332.9779	332.9782	11.73907	11.69992
6034	M437T25_	1.446662	0.532728	0.997423	0.366396	0.864024	UP	437.1929	437.1929	437.1932	24.59467	24.5795
6035	M330T13	42.83069	5.420573	1.017611	0.366406	0.864024	UP	330.1712	330.1712	330.1712	12.95385	12.9227
6036	M1040T22	1.437123	-0.52318	-0.96366	0.36643	0.864024	DOWN	1039.719	1039.718	1039.721	22.2625	22.22517
6037	M347T9_9	1.182514	-0.24186	-0.95746	0.366488	0.864024	DOWN	347.4274	347.4268	347.4276	8.985492	8.892117
6038	M836T22_	1.255778	-0.32858	-0.99068	0.36652	0.864024	DOWN	835.5823	835.5816	835.5829	22.24767	22.22517
6039	M599T10_	1.384949	0.469833	1.000015	0.366617	0.864024	UP	599.4023	599.402	599.4028	9.75145	9.636483
6040	M219T10_	1.404623	-0.49018	-0.95814	0.366678	0.864024	DOWN	219.4456	219.4408	219.4505	9.830558	9.715683
6041	M284T10_	1.279323	0.355381	0.956775	0.366697	0.864024	UP	283.9252	283.9247	283.9255	9.971292	9.859233
6042	M439T14_	1.096315	-0.13266	-0.95905	0.36673	0.864024	DOWN	439.3721	439.3717	439.3724	13.94618	13.91597
6043	M1437T10	1.293442	-0.37122	-0.97561	0.366742	0.864024	DOWN	1436.828	1436.827	1436.831	10.35832	10.26307
6044	M631T17	1.290432	-0.36785	-0.97241	0.366757	0.864024	DOWN	631.479	631.4785	631.4795	17.04467	17.00067
6045	M211T9_2	1.149271	-0.20072	-0.95659	0.366795	0.864024	DOWN	211.1519	211.1518	211.1519	9.328967	9.191133
6046	M690T10_	1.186971	-0.24728	-0.95656	0.366802	0.864024	DOWN	689.7129	689.7125	689.7133	9.986767	9.8914
6047	M213T9_1	2.001966	1.001417	0.957892	0.36681	0.864024	UP	213.4841	213.4788	213.4869	9.313283	9.142767
6048	M405T10_	1.403432	0.488959	0.981827	0.366863	0.864024	UP	405.4558	405.4552	405.4561	9.957333	9.853533
6049	M735T10_	1.445123	-0.53119	-0.9588	0.366893	0.864024	DOWN	735.4448	735.4441	735.4455	9.772833	9.74925
6050	M362T10_	2.065092	1.046206	1.002431	0.366927	0.864025	UP	362.2413	362.2411	362.2415	9.93625	9.743767
6051	M430T9_6	1.144031	-0.19413	-0.95998	0.366988	0.864025	DOWN	430.1869	430.1867	430.1875	9.296133	9.129317
6052	M187T38_	1.17343	-0.23073	-1.01279	0.366989	0.864025	DOWN	187.0962	187.0962	187.0964	38.41	38.295
6053	M578T9_1	5.616915	2.489778	1.016087	0.367006	0.864025	UP	577.5871	577.5842	577.5876	9.1036	9.053483
6054	M318T10_	1.152308	-0.20453	-0.96901	0.367019	0.864025	DOWN	317.9006	317.9004	317.9016	9.823575	9.699733

6055	M815T11_	1.436081	0.522137	0.957027	0.367023	0.864025	UP	814.5792	814.5786	814.58	11.22378	11.18047
6056	M815T10_	1.538748	0.621757	0.956088	0.367064	0.864025	UP	815.0609	815.0607	815.0621	9.967367	9.859233
6057	M678T10_	12.96589	-3.69665	-1.01556	0.367251	0.864025	DOWN	678.4991	678.4989	678.4993	9.5415	9.416817
6058	M469T13	1.159182	-0.21311	-0.95534	0.367385	0.864025	DOWN	469.3461	469.3458	469.3465	12.63128	12.61708
6059	M775T10_	1.443134	0.529205	1.011095	0.367422	0.864025	UP	775.4581	775.4547	775.4594	9.825767	9.715683
6060	M773T10_	1.43249	0.518525	1.00903	0.367423	0.864025	UP	772.9669	772.9643	772.9681	9.823575	9.699733
6061	M205T11_	1.401998	-0.48748	-0.95801	0.367591	0.864025	DOWN	205.3498	205.3495	205.3501	10.91734	10.879
6062	M286T9_2	1.174111	-0.23157	-0.95593	0.367613	0.864025	DOWN	286.2373	286.2371	286.2375	9.493625	9.38595
6063	M514T9_2	1.327979	-0.40923	-0.96212	0.367628	0.864025	DOWN	513.8317	513.8312	513.8337	9.43365	9.355317
6064	M364T10_	1.226397	-0.29443	-0.95952	0.367739	0.864025	DOWN	363.9623	363.962	363.9625	9.5812	9.46325
6065	M375T10_	1.547737	-0.63016	-0.96597	0.367744	0.864025	DOWN	374.5007	374.5004	374.5007	9.956417	9.843367
6066	M679T10_	1.147674	-0.19871	-0.96848	0.36775	0.864025	DOWN	678.5093	678.5089	678.5099	9.825767	9.715683
6067	M358T10_	1.292137	-0.36976	-0.9651	0.367806	0.864025	DOWN	358.2669	358.2667	358.2672	9.8207	9.699733
6068	M254T11_	1.204618	-0.26858	-0.95499	0.36782	0.864025	DOWN	253.9595	253.9593	253.9597	10.8914	10.879
6069	M476T11_	1.451667	0.537711	1.012286	0.367833	0.864025	UP	476.3278	476.3277	476.3279	10.57863	10.45613
6070	M1073T10	1.124768	-0.16963	-0.96937	0.367956	0.864025	DOWN	1073.325	1073.324	1073.326	9.742933	9.62055
6071	M332T10_	1.655628	0.727378	0.95907	0.36796	0.864025	UP	331.8352	331.8351	331.8353	9.902408	9.843367
6072	M184T16	1.116125	0.158499	0.9635	0.367962	0.864025	UP	184.1693	184.1692	184.1694	16.45947	16.42735
6073	M462T10_	1.570997	0.651681	1.000949	0.367965	0.864025	UP	461.9146	461.9141	461.9153	9.80415	9.759383
6074	M453T9_4	1.459703	0.545675	0.96604	0.367972	0.864025	UP	452.7333	452.7311	452.7353	9.243475	9.175017
6075	M504T9_4	1.442842	0.528913	0.961954	0.367978	0.864025	UP	504.3477	504.3468	504.3483	8.755392	8.601067
6076	M357T9_1	1.620235	-0.6962	-0.95458	0.368033	0.864025	DOWN	357.0845	357.0842	357.085	9.433625	9.3834
6077	M372T20	1.244412	-0.31546	-0.98327	0.368036	0.864025	DOWN	372.2643	372.2641	372.2646	19.912	19.87883
6078	M195T9_6	1.558453	-0.64011	-0.9756	0.368049	0.864025	DOWN	194.8201	194.8194	194.8207	9.147367	9.110833
6079	M429T10_	1.424512	0.510468	0.973382	0.368151	0.864025	UP	429.0287	429.0281	429.0291	9.951283	9.843367
6080	M1875T10	1.465435	0.551329	0.983084	0.36818	0.864025	UP	1875.467	1875.466	1875.47	9.801833	9.699733
6081	M636T9_2	1.309101	-0.38858	-0.95357	0.368329	0.864025	DOWN	636.3926	636.3866	636.3955	9.496283	9.208217
6082	M454T11_	1.204695	-0.26867	-0.96221	0.368382	0.864025	DOWN	453.8426	453.8425	453.8427	11.07665	11.06392
6083	M197T10_	1.271887	0.346971	0.975205	0.368397	0.864025	UP	196.9183	196.918	196.9253	9.87145	9.728083
6084	M239T14	1.741497	0.800328	1.003281	0.368435	0.864025	UP	239.1275	239.1274	239.1276	14.00472	13.98908
6085	M513T10_	1.360973	0.444639	0.977908	0.36845	0.864025	UP	513.0948	513.0942	513.0955	9.902617	9.62055
6086	M881T11_	1.286512	-0.36347	-0.95434	0.368455	0.864025	DOWN	881.0219	881.0204	881.0228	10.79563	10.75595
6087	M346T23_	2.386572	-1.25494	-0.9851	0.36846	0.864025	DOWN	346.2526	346.2525	346.2528	22.69883	22.68383
6088	M705T10_	1.043102	-0.06088	-0.96542	0.36846	0.864025	DOWN	704.5542	704.5538	704.5546	9.8397	9.715683
6089	M935T26	1.24684	-0.31828	-0.9533	0.368537	0.864025	DOWN	934.6678	934.6673	934.668	25.98042	25.9655

6090	M710T30	1.193212	0.25485	0.979569	0.36865	0.864026	UP	710.4744	710.4732	710.4746	30.266	30.23617
6091	M320T42	1.451329	-0.53737	-0.95269	0.3688	0.864026	DOWN	320.1702	320.1701	320.1703	41.906	41.77633
6092	M376T11_	1.319008	-0.39945	-0.95301	0.368831	0.864026	DOWN	375.6356	375.6346	375.6418	10.94208	10.879
6093	M378T9_1	1.345769	-0.42843	-0.96458	0.368901	0.864026	DOWN	377.5431	377.5411	377.5456	9.257592	9.1036
6094	M851T10_	1.34571	-0.42837	-0.96538	0.368949	0.864026	DOWN	851.1759	851.1753	851.1764	9.902008	9.779267
6095	M644T10_	1.332642	0.414289	1.001005	0.368951	0.864026	UP	643.6339	643.6338	643.6353	9.825767	9.715683
6096	M774T10_	3.302947	1.723754	1.010824	0.369061	0.864026	UP	774.1844	774.1795	774.1867	9.813433	9.7124
6097	M993T11_	1.325355	-0.40638	-0.9627	0.36915	0.864026	DOWN	993.1834	993.1822	993.1867	10.89772	10.85838
6098	M661T10_	1.21662	-0.28288	-0.98461	0.369157	0.864026	DOWN	661.2964	661.2958	661.2974	9.8397	9.715683
6099	M332T10_	1.351241	0.434285	1.001483	0.369159	0.864026	UP	332.2128	332.2126	332.2129	10.16684	10.08517
6100	M388T10_	1.182205	-0.24148	-0.95478	0.369212	0.864026	DOWN	387.8197	387.8193	387.8199	9.902483	9.811217
6101	M429T9_3	1.406688	-0.4923	-0.95989	0.369266	0.864026	DOWN	429.0749	429.0747	429.0756	9.29345	9.175017
6102	M435T24_	1.421538	-0.50745	-0.95241	0.369275	0.864026	DOWN	434.7085	434.7084	434.7086	23.91017	23.89933
6103	M402T9_2	1.446241	-0.53231	-0.95399	0.3693	0.864026	DOWN	402.1835	402.1824	402.1836	9.3907	9.3834
6104	M204T10_	1.886289	0.915551	1.00813	0.369397	0.864026	UP	203.572	203.5718	203.572	9.97155	9.859233
6105	M1756T10	1.300418	-0.37897	-0.9727	0.3694	0.864026	DOWN	1756.13	1756.128	1756.131	9.970617	9.885167
6106	M339T10_	1.247421	-0.31895	-0.96792	0.369428	0.864026	DOWN	339.4057	339.4056	339.4058	9.830733	9.715683
6107	M182T11_	1.239213	-0.30942	-0.95203	0.369437	0.864026	DOWN	181.8478	181.8477	181.8479	10.89907	10.873
6108	M367T9_2	1.382292	-0.46706	-0.9561	0.369497	0.864026	DOWN	366.9274	366.9268	366.9283	9.159717	9.1175
6109	M781T10_	1.179108	-0.2377	-0.99125	0.369512	0.864026	DOWN	780.6228	780.6222	780.6236	9.5415	9.416817
6110	M227T10_	15.43726	3.948345	1.010204	0.369535	0.864026	UP	227.1977	227.1973	227.1978	9.994767	9.8753
6111	M430T10_	2.107292	1.07539	0.999575	0.369635	0.864026	UP	429.5507	429.55	429.5514	9.942317	9.811217
6112	M622T39	1.204021	-0.26786	-1.00921	0.369708	0.864026	DOWN	622.3434	622.3432	622.3437	39.3235	39.24433
6113	M742T10_	2.793931	1.482296	1.00601	0.369787	0.864026	UP	742.4218	742.4212	742.4225	9.82645	9.715683
6114	M187T10_	1.579683	-0.65963	-0.97083	0.369808	0.864026	DOWN	187.2064	187.2062	187.2066	9.9903	9.928667
6115	M425T25	2.86953	-1.52081	-1.00775	0.369933	0.864026	DOWN	425.1568	425.1564	425.1571	25.05883	25.00117
6116	M459T11_	1.162451	-0.21717	-0.95	0.369939	0.864026	DOWN	458.533	458.5328	458.5343	10.89308	10.88747
6117	M233T10_	1.083483	-0.11568	-0.9626	0.370014	0.864026	DOWN	233.208	233.199	233.2081	9.9091	9.79535
6118	M610T9_3	2.874272	1.523197	1.008912	0.370021	0.864026	UP	610.4609	610.457	610.4625	9.239667	9.06315
6119	M263T10_	1.056204	-0.07889	-0.97359	0.370033	0.864026	DOWN	262.5347	262.5345	262.5347	9.855658	9.683817
6120	M244T11_	1.426085	-0.51206	-0.97856	0.370065	0.864026	DOWN	244.2337	244.2333	244.2343	10.87765	10.83572
6121	M318T9_9	2.018141	1.013027	1.004052	0.370136	0.864026	UP	318.0502	318.0498	318.0508	9.3332	9.234417
6122	M306T10_	2.234694	1.160077	1.006234	0.370162	0.864026	UP	305.943	305.9427	305.9432	9.972833	9.8914
6123	M319T11_	1.23953	-0.30979	-0.97622	0.370238	0.864026	DOWN	319.0816	319.0811	319.0835	10.91809	10.87765
6124	M379T10_	1.092205	-0.12724	-0.95464	0.370251	0.864026	DOWN	378.5937	378.5934	378.5946	9.917167	9.811217

6125	M316T28_	2.0005	-1.00036	-0.95221	0.370273	0.864027	DOWN	316.3043	316.3028	316.3085	28.08383	28.02533
6126	M282T10_	1.897168	0.923848	1.002837	0.370301	0.864027	UP	281.8917	281.8916	281.8955	9.946367	9.840617
6127	M487T9_1	1.32832	-0.4096	-0.94962	0.370356	0.864027	DOWN	486.9078	486.9074	486.908	9.2529	9.1587
6128	M259T12	34.63541	-5.11418	-1.00811	0.370359	0.864027	DOWN	259.094	259.0937	259.094	11.51607	11.49763
6129	M930T12	1.474867	-0.56058	-0.99575	0.370378	0.864027	DOWN	929.5772	929.577	929.5791	11.5404	11.52653
6130	M205T9_8	1.643024	-0.71635	-0.97075	0.370378	0.864027	DOWN	205.344	205.3434	205.3453	9.322625	9.16125
6131	M207T10_	1.581551	0.66134	0.974159	0.370416	0.864027	UP	207.1588	207.1587	207.1589	9.596017	9.478833
6132	M177T44_	1.19994	0.262962	1.000216	0.370484	0.864027	UP	177.1271	177.127	177.1272	44.19267	44.0635
6133	M343T10_	1.318828	-0.39926	-0.94993	0.370496	0.864027	DOWN	342.8265	342.8264	342.8267	9.523633	9.416817
6134	M658T35	1.275257	-0.35079	-0.97499	0.370518	0.864027	DOWN	658.489	658.4889	658.4892	35.09867	35.09383
6135	M498T28	1.175124	-0.23281	-0.94941	0.370598	0.864027	DOWN	498.3629	498.3625	498.3637	28.09883	28.0545
6136	M523T13	1.1443	-0.19447	-0.94904	0.370627	0.864027	DOWN	523.4123	523.412	523.4132	12.63073	12.60235
6137	M520T35	1.294008	-0.37185	-0.96459	0.370665	0.864027	DOWN	520.3111	520.3109	520.3113	35.422	35.07417
6138	M352T40_	1.137763	-0.1862	-0.95291	0.370743	0.864027	DOWN	352.1965	352.1962	352.1966	39.77667	39.3595
6139	M278T10_	1.219223	0.285962	0.958934	0.370773	0.864027	UP	277.7521	277.7516	277.7625	9.869467	9.747533
6140	M166T9_2	1.330798	-0.41229	-0.94952	0.370781	0.864027	DOWN	165.8606	165.8603	165.861	9.324483	9.219483
6141	M266T10_	1.30023	0.378767	0.959397	0.370798	0.864027	UP	266.1458	266.1457	266.1462	9.811267	9.699733
6142	M703T9_2	1.335917	-0.41783	-0.96218	0.370842	0.864027	DOWN	703.3981	703.3979	703.3987	9.448983	9.432533
6143	M608T10_	1.308861	-0.38831	-0.96039	0.370879	0.864027	DOWN	607.714	607.7134	607.7146	9.514733	9.416817
6144	M266T16_	1.417941	-0.5038	-0.94907	0.371037	0.864027	DOWN	266.1723	266.1721	266.1725	16.45831	16.43207
6145	M1177T10	1.156824	0.21017	0.956168	0.371049	0.864027	UP	1176.691	1176.69	1176.693	9.846225	9.65225
6146	M357T10_	1.920876	-0.94176	-0.99983	0.371065	0.864027	DOWN	357.1369	357.1366	357.1374	9.840617	9.7124
6147	M789T11	1.231104	-0.29995	-0.96635	0.371096	0.864027	DOWN	788.6115	788.6109	788.612	10.90548	10.88747
6148	M1869T10	1.423725	-0.50967	-0.95138	0.371101	0.864027	DOWN	1869.226	1869.223	1869.232	9.920517	9.903017
6149	M727T10_	1.547842	0.630258	1.004153	0.37111	0.864027	UP	726.6655	726.6641	726.6662	9.8397	9.715683
6150	M494T10_	1.266069	-0.34036	-0.9622	0.371121	0.864027	DOWN	494.4063	494.4059	494.4077	9.8207	9.699733
6151	M348T10_	1.284817	-0.36156	-0.95222	0.371142	0.864027	DOWN	348.2946	348.2831	348.2949	9.845483	9.715683
6152	M1168T10	1.35362	-0.43682	-0.96017	0.37118	0.864027	DOWN	1167.778	1167.776	1167.779	9.95825	9.859233
6153	M503T9_1	1.449431	0.535486	0.977615	0.371197	0.864027	UP	502.5114	502.5095	502.5122	9.246458	9.160617
6154	M527T11_	1.203329	-0.26703	-0.95055	0.371236	0.864027	DOWN	527.3291	527.3281	527.33	10.51568	10.47197
6155	M1299T10	1.33335	0.415056	0.949483	0.371265	0.864027	UP	1299.406	1299.404	1299.406	9.967367	9.8914
6156	M636T9_1	1.43215	-0.51818	-0.94719	0.371424	0.864027	DOWN	635.5388	635.5375	635.5411	9.174967	9.1175
6157	M727T11_	1.190648	-0.25175	-0.95038	0.371466	0.864027	DOWN	727.2168	727.2159	727.2173	10.892	10.8646
6158	M803T25	1.187367	-0.24777	-0.94675	0.371599	0.864027	DOWN	802.5885	802.5883	802.5892	25.36083	25.32883
6159	M357T10_	1.112039	-0.15321	-0.96881	0.371679	0.864027	DOWN	357.1018	357.1018	357.1021	9.8397	9.715683



6160	M227T11_	1.088386	-0.12219	-0.96618	0.371693	0.864027	DOWN	227.1752	227.1752	227.1753	10.9198	10.89355
6161	M598T10_	6.086721	2.605665	1.004815	0.371697	0.864027	UP	598.4546	598.4531	598.4556	9.693842	9.5889
6162	M248T10_	1.182014	-0.24125	-0.9691	0.371748	0.864027	DOWN	247.9293	247.9292	247.9294	9.9351	9.8378
6163	M338T20	5.867444	-2.55273	-1.00169	0.371954	0.864028	DOWN	338.2535	338.2532	338.2538	19.59892	19.555
6164	M479T21_	1.179582	-0.23828	-0.95832	0.37197	0.864028	DOWN	479.4031	479.4028	479.4033	20.83542	20.82333
6165	M337T11_	1.089088	-0.12312	-0.9513	0.371978	0.864028	DOWN	337.212	337.2119	337.2122	10.90659	10.89355
6166	M454T9_4	1.455088	0.541106	0.946734	0.372016	0.864028	UP	453.5878	453.5839	453.595	9.431517	9.22495
6167	M1143T11	1.300438	-0.379	-0.95882	0.3721	0.864028	DOWN	1142.522	1142.52	1142.523	10.91602	10.87765
6168	M319T9_3	1.176763	-0.23482	-0.96019	0.372118	0.864028	DOWN	319.1361	319.136	319.1363	8.697433	8.623117
6169	M594T9_4	1.148084	-0.19923	-0.96748	0.372131	0.864028	DOWN	594.4947	594.4944	594.4948	9.464967	9.40135
6170	M366T19	21.78203	4.445067	1.004097	0.372138	0.864028	UP	366.2228	366.2176	366.2233	18.7465	18.717
6171	M486T10_	19.68362	4.298924	1.00378	0.372233	0.864028	UP	486.3163	486.3116	486.3168	9.5812	9.46325
6172	M742T10_	1.531483	0.614929	0.953694	0.372257	0.864028	UP	742.4738	742.469	742.4756	9.729767	9.47865
6173	M341T9_2	1.174105	-0.23156	-0.94514	0.372287	0.864028	DOWN	340.9312	340.9309	340.9314	9.25985	9.129317
6174	M495T10_	1.09039	0.124845	0.958527	0.372361	0.864028	UP	494.6625	494.6621	494.6629	9.823542	9.62055
6175	M259T13	1.55985	0.641407	0.978395	0.372365	0.864028	UP	259.13	259.1297	259.1301	12.89432	12.8648
6176	M476T9_1	1.491337	0.576607	0.964486	0.372378	0.864028	UP	475.5453	475.5373	475.5484	9.277967	9.14695
6177	M175T10_	1.592077	-0.67091	-0.95021	0.37247	0.864028	DOWN	174.5182	174.5181	174.5182	9.876008	9.811217
6178	M477T10_	4.688131	2.229013	1.002534	0.372563	0.864028	UP	477.2789	477.2786	477.2795	9.972483	9.859233
6179	M476T9_1	24.64248	-4.62308	-1.0031	0.372569	0.864028	DOWN	476.2499	476.2497	476.2502	9.285867	9.147367
6180	M726T10_	1.499845	0.584813	1.000731	0.372587	0.864028	UP	725.6111	725.6098	725.6117	9.8397	9.715683
6181	M666T11	1.213378	0.279029	0.944934	0.372597	0.864028	UP	666.3927	666.3916	666.3933	11.49698	11.47593
6182	M230T22	4.666667	2.222393	0.999221	0.372643	0.864028	UP	230.2475	230.2473	230.2478	21.68167	21.6675
6183	M373T23_	1.256322	-0.32921	-0.96331	0.372768	0.864028	DOWN	372.7674	372.7673	372.7675	22.538	22.524
6184	M343T31	2.228804	-1.15627	-1.00035	0.37282	0.864028	DOWN	343.1538	343.1537	343.1539	30.56817	30.468
6185	M654T10_	1.267651	0.342157	0.991267	0.372834	0.864028	UP	653.926	653.9254	653.9268	9.82645	9.699733
6186	M415T11_	1.633411	0.707888	0.964837	0.37284	0.864028	UP	414.9924	414.9922	414.9929	10.89355	10.88747
6187	M172T21	1.618608	-0.69475	-0.94447	0.372932	0.864028	DOWN	172.1694	172.1692	172.1694	20.706	20.67833
6188	M396T45	1.310667	0.390301	0.966993	0.37297	0.864028	UP	396.2226	396.2225	396.2227	44.92592	44.78217
6189	M401T11_	1.489872	-0.57519	-0.94812	0.37301	0.864028	DOWN	400.8942	400.8917	400.9007	10.91825	10.879
6190	M414T15	1.176812	-0.23488	-0.9521	0.373038	0.864028	DOWN	414.2803	414.2801	414.2805	15.2927	15.26215
6191	M1754T10	1.351294	-0.43434	-0.94392	0.373083	0.864028	DOWN	1754.249	1754.246	1754.253	9.830083	9.715683
6192	M725T10_	1.488168	0.573537	0.999415	0.373097	0.864028	UP	724.5579	724.5566	724.5585	9.8397	9.715683
6193	M176T10_	1.366176	0.450143	0.944161	0.373152	0.864028	UP	175.6793	175.6792	175.6793	9.92625	9.859233
6194	M315T25_	1.205738	0.269917	0.961694	0.373174	0.864028	UP	315.3277	315.3269	315.3283	24.72483	24.6945

6195	M532T44	1.325178	0.406186	0.999296	0.373176	0.864028	UP	532.3113	532.3112	532.3114	43.66075	43.60333
6196	M207T9_1	8.356473	3.062894	1.001161	0.373372	0.864028	UP	206.5035	206.4981	206.5047	9.16125	9.111033
6197	M564T39_	1.225897	0.293838	0.949362	0.373382	0.864028	UP	564.301	564.3009	564.3015	38.57575	38.525
6198	M316T11_	1.244998	0.316143	0.943091	0.373383	0.864028	UP	316.3211	316.321	316.3216	10.90068	10.88995
6199	M406T9_3	4.965893	2.312053	0.99965	0.373429	0.864028	UP	405.8062	405.806	405.8069	9.462242	9.370583
6200	M416T40_	1.123873	-0.16848	-0.99681	0.373458	0.864028	DOWN	416.2641	416.264	416.2643	39.58967	39.51783
6201	M470T10_	1.524514	0.608349	0.960917	0.373459	0.864028	UP	469.5421	469.5417	469.5428	9.75805	9.729367
6202	M317T9_5	2.561494	1.356985	0.980592	0.373558	0.864028	UP	317.1963	317.1959	317.2011	9.04175	8.90305
6203	M184T9_2	1.595708	-0.6742	-0.94612	0.373562	0.864028	DOWN	183.6894	183.6886	183.6904	9.227192	9.1322
6204	M831T10	1.208785	-0.27356	-0.94235	0.373629	0.864028	DOWN	831.4569	831.4563	831.4572	10.32195	10.24687
6205	M427T9_5	1.444564	-0.53063	-0.96693	0.37365	0.864028	DOWN	427.4249	427.4244	427.4257	9.249433	9.098833
6206	M698T10_	1.639982	0.71368	0.99428	0.373684	0.864029	UP	697.5108	697.5098	697.5118	9.645292	9.540717
6207	M573T9_1	1.454592	-0.54061	-0.94212	0.373709	0.864029	DOWN	573.2904	573.2899	573.2916	9.315083	9.191133
6208	M342T10_	1.098875	-0.13603	-0.96677	0.37373	0.864029	DOWN	341.976	341.9758	341.9761	9.857683	9.73145
6209	M200T9_8	2.150139	-1.10443	-0.98554	0.37377	0.864029	DOWN	199.7997	199.7987	199.8005	9.220933	9.07525
6210	M197T10_	1.136451	-0.18454	-0.94751	0.373795	0.864029	DOWN	197.1666	197.1597	197.1668	9.828367	9.699733
6211	M654T9	1.35756	-0.44102	-0.96756	0.373828	0.864029	DOWN	653.5034	653.5025	653.5038	9.317	9.234417
6212	M552T11_	1.25804	0.331178	0.962858	0.373857	0.864029	UP	552.2921	552.2898	552.2934	10.90659	10.879
6213	M477T10_	1.638588	0.712453	0.963528	0.373859	0.864029	UP	476.5812	476.581	476.5813	9.975217	9.859233
6214	M327T11_	1.236456	0.306211	0.97855	0.373871	0.864029	UP	327.1954	327.1877	327.1957	11.24166	11.22177
6215	M646T10_	1.268627	0.343268	0.979063	0.373956	0.864029	UP	646.3403	646.3395	646.3416	9.825767	9.715683
6216	M949T10	1.198717	-0.26149	-0.95992	0.374079	0.864029	DOWN	949.0647	949.0637	949.0659	9.855658	9.747533
6217	M377T10_	7.356844	-2.87909	-0.99913	0.374112	0.864029	DOWN	376.818	376.8175	376.825	9.915767	9.816167
6218	M599T22	1.266986	-0.3414	-0.94105	0.37427	0.864029	DOWN	599.4547	599.4544	599.4562	22.3915	22.382
6219	M599T10_	1.149259	-0.2007	-0.96123	0.374328	0.864029	DOWN	599.0571	599.0567	599.0574	9.962808	9.859233
6220	M392T9_1	1.210711	0.275855	0.966348	0.374331	0.864029	UP	391.7454	391.745	391.7456	9.253783	9.111033
6221	M364T9_1	1.358709	0.442236	0.983818	0.374443	0.864029	UP	363.5399	363.5391	363.54	9.087183	9.079083
6222	M284T11_	1.227148	-0.29531	-0.94175	0.37465	0.864029	DOWN	283.7951	283.795	283.7952	10.91813	10.879
6223	M391T10_	1.526866	0.610573	0.987054	0.374774	0.864029	UP	391.238	391.2377	391.2381	9.986767	9.916767
6224	M589T10_	1.18218	-0.24145	-0.99065	0.374782	0.864029	DOWN	588.8882	588.8877	588.8884	9.902617	9.811217
6225	M195T10_	1.132599	-0.17964	-0.96462	0.374809	0.864029	DOWN	194.8934	194.8931	194.8937	9.903742	9.827283
6226	M683T11_	1.200266	-0.26335	-0.94076	0.374848	0.864029	DOWN	682.7318	682.7317	682.7324	10.892	10.8646
6227	M259T9_4	1.447375	-0.53344	-0.95071	0.374861	0.864029	DOWN	259.2464	259.2453	259.2475	9.285383	9.219483
6228	M379T11_	1.541127	0.623986	0.980832	0.374907	0.864029	UP	379.2779	379.2777	379.2784	10.89907	10.84395
6229	M179T10_	1.122059	-0.16615	-0.98509	0.375039	0.864029	DOWN	178.8368	178.8366	178.8369	9.975142	9.859233

6230	M291T10_	2.053638	1.038182	0.991841	0.375051	0.864029	UP	290.8144	290.8143	290.8148	9.932	9.806367
6231	M284T10_	2.181516	1.125331	0.99287	0.375122	0.864029	UP	283.6004	283.6001	283.6004	9.968992	9.8914
6232	M407T9_2	1.461591	0.54754	0.954016	0.375134	0.864029	UP	407.1891	407.1889	407.1898	8.914933	8.818733
6233	M217T9_2	1.175942	-0.23382	-0.94749	0.375161	0.864029	DOWN	217.0072	217.007	217.0073	9.280992	9.129317
6234	M1940T10	1.426216	0.512192	0.963821	0.375198	0.864029	UP	1939.626	1939.624	1939.628	9.880817	9.73145
6235	M302T10_	1.38082	-0.46552	-0.98542	0.375229	0.864029	DOWN	301.9242	301.924	301.9243	9.907858	9.806367
6236	M204T10_	1.201267	-0.26456	-0.95938	0.37523	0.864029	DOWN	204.0216	204.0214	204.0216	9.8736	9.747533
6237	M360T10_	1.221813	-0.28902	-0.94513	0.375256	0.864029	DOWN	359.6179	359.6178	359.6181	9.850858	9.73145
6238	M387T21_	1.725936	0.787379	0.949982	0.37534	0.864029	UP	387.2487	387.2486	387.2488	21.46333	21.2995
6239	M283T10_	1.078841	0.109483	0.96325	0.375347	0.864029	UP	282.9082	282.9081	282.9082	9.841442	9.73145
6240	M475T10_	2.768653	1.469184	0.99583	0.375387	0.864029	UP	474.767	474.7664	474.7694	9.748708	9.40255
6241	M388T20_	1.40937	-0.49505	-0.94358	0.375483	0.86403	DOWN	387.8406	387.8405	387.8409	19.83983	19.79433
6242	M454T18_	2.206999	-1.14209	-0.99431	0.375525	0.86403	DOWN	454.3461	454.346	454.3465	18.36258	18.29233
6243	M391T11_	1.836785	0.877183	0.966108	0.375633	0.86403	UP	391.0396	391.0394	391.04	11.0985	11.06855
6244	M415T40	1.174189	-0.23167	-0.96116	0.375647	0.86403	DOWN	415.2322	415.2321	415.2323	40.29467	40.15083
6245	M154T11_	1.218527	-0.28514	-0.94188	0.375663	0.86403	DOWN	154.1568	154.1567	154.157	10.892	10.8646
6246	M388T10_	44.64967	5.480578	0.995871	0.375675	0.86403	UP	388.2895	388.2803	388.2908	9.902208	9.822117
6247	M325T10_	2.613601	-1.38604	-0.9918	0.375758	0.86403	DOWN	324.9271	324.9267	324.928	9.830283	9.715683
6248	M246T10_	1.166184	-0.2218	-0.95187	0.375767	0.86403	DOWN	245.8056	245.8053	245.8061	9.959533	9.843367
6249	M1371T10	1.281491	-0.35782	-0.9392	0.375819	0.86403	DOWN	1371.09	1371.089	1371.091	9.972483	9.9009
6250	M348T11	1.193317	-0.25498	-0.94556	0.375827	0.86403	DOWN	347.8121	347.8118	347.8128	10.91987	10.83252
6251	M432T9_3	4.228293	2.080075	0.994798	0.37587	0.86403	UP	431.8545	431.8525	431.857	9.250125	9.1445
6252	M369T11_	50.13291	5.647686	0.995212	0.37596	0.86403	UP	369.1704	369.1693	369.181	10.92253	10.873
6253	M558T18	1.207029	-0.27146	-0.94865	0.375999	0.86403	DOWN	558.4207	558.4206	558.4209	18.32283	18.276
6254	M474T9_3	1.126189	0.171448	0.937676	0.376083	0.86403	UP	473.9961	473.9959	473.9963	9.2585	9.129317
6255	M538T9_4	1.243965	-0.31495	-0.9681	0.376099	0.86403	DOWN	538.1176	538.1173	538.1179	9.4498	9.355317
6256	M388T10_	2.786584	1.478498	0.993492	0.376109	0.86403	UP	387.8393	387.8388	387.8399	9.935675	9.853533
6257	M798T10_	1.140599	-0.18979	-0.93749	0.376125	0.86403	DOWN	798.3458	798.3453	798.3465	10.34725	10.0118
6258	M535T10_	1.185582	-0.2456	-0.96228	0.376139	0.86403	DOWN	535.3509	535.3507	535.3511	9.508883	9.40135
6259	M1326T10	1.25791	-0.33103	-0.95901	0.376153	0.86403	DOWN	1326.043	1326.041	1326.044	9.942317	9.843367
6260	M476T10_	1.330888	0.412389	0.957253	0.376164	0.86403	UP	475.8265	475.8263	475.8268	10.16706	10.08517
6261	M341T10_	32.84298	-5.03751	-0.99412	0.376431	0.86403	DOWN	340.5812	340.5746	340.5818	9.830833	9.715683
6262	M214T11_	1.163569	-0.21856	-0.93761	0.376435	0.86403	DOWN	214.2205	214.2205	214.2207	10.90522	10.879
6263	M478T43_	1.177346	0.235538	0.971445	0.376482	0.86403	UP	478.2643	478.2641	478.2645	42.76917	42.611
6264	M324T10_	1.344809	-0.4274	-0.94973	0.376528	0.86403	DOWN	323.925	323.921	323.9251	9.501433	9.416817

6265	M225T10_	1.192154	-0.25357	-0.96317	0.376689	0.86403	DOWN	225.2548	225.2546	225.2549	9.930908	9.827283
6266	M404T21	2.604388	1.380944	0.993295	0.376773	0.86403	UP	404.2066	404.2062	404.2066	20.85217	20.84967
6267	M369T10_	1.81239	-0.85789	-0.94265	0.376802	0.86403	DOWN	368.533	368.5318	368.5436	9.856867	9.699733
6268	M1407T10	1.318856	0.399287	0.954426	0.376847	0.86403	UP	1407.121	1407.115	1407.122	9.902483	9.843367
6269	M344T10_	1.583301	0.662935	0.989065	0.376874	0.86403	UP	343.7676	343.7674	343.7681	9.8649	9.73145
6270	M534T42_	1.11739	-0.16013	-0.93794	0.376881	0.86403	DOWN	534.3268	534.3268	534.3269	41.70483	41.58933
6271	M1932T10	1.193393	-0.25507	-0.95891	0.376899	0.86403	DOWN	1931.563	1931.562	1931.567	9.84325	9.728083
6272	M356T19_	1.447419	-0.53348	-0.96351	0.376937	0.86403	DOWN	356.2412	356.241	356.2415	19.4315	19.4
6273	M677T10_	1.230088	-0.29876	-0.93962	0.376975	0.86403	DOWN	676.5162	676.5155	676.5186	9.831517	9.715683
6274	M346T9_3	1.330624	-0.4121	-0.94306	0.376986	0.86403	DOWN	345.7575	345.7574	345.7577	9.390783	9.324917
6275	M183T9_1	1.596546	-0.67495	-0.96602	0.377004	0.86403	DOWN	182.6604	182.6598	182.6611	9.257675	9.1428
6276	M572T11_	1.155477	-0.20849	-0.94048	0.377032	0.86403	DOWN	572.4523	572.452	572.4531	10.892	10.8646
6277	M762T9_2	1.276472	-0.35216	-0.93847	0.377107	0.86403	DOWN	762.3308	762.3302	762.3318	9.369667	9.234417
6278	M340T10_	1.163274	0.218191	0.93847	0.377191	0.864031	UP	339.9359	339.9356	339.9386	9.85785	9.799767
6279	M207T10_	1.538612	0.62163	0.954771	0.377214	0.864031	UP	207.4447	207.4446	207.4448	9.781008	9.770733
6280	M784T28	1.404763	0.490327	0.949286	0.377231	0.864031	UP	784.4823	784.4817	784.4828	27.83967	27.76717
6281	M317T10_	1.320742	-0.40135	-0.94311	0.377259	0.864031	DOWN	317.1056	317.1053	317.1138	9.938142	9.827283
6282	M316T9_1	5.385102	2.428974	0.991916	0.37726	0.864031	UP	315.6147	315.6089	315.6155	8.842717	8.730433
6283	M357T11_	1.37116	-0.4554	-0.96092	0.37731	0.864031	DOWN	357.0665	357.0662	357.067	10.88313	10.84767
6284	M378T11_	1.322016	-0.40274	-0.93499	0.377381	0.864031	DOWN	378.3738	378.373	378.3834	10.91979	10.8926
6285	M271T14_	1.30954	0.38906	0.98145	0.377389	0.864031	UP	271.1148	271.1147	271.1148	13.58015	13.49295
6286	M358T10_	1.260986	-0.33455	-0.96103	0.377411	0.864031	DOWN	358.0643	358.0642	358.0644	9.51295	9.40135
6287	M440T10_	1.166687	-0.22242	-0.95091	0.377482	0.864031	DOWN	440.2557	440.2554	440.2558	9.917167	9.811217
6288	M289T11_	19.85754	4.311615	0.991661	0.377495	0.864031	UP	289.1529	289.1526	289.1531	11.42402	11.41772
6289	M452T10_	1.396441	0.481754	0.957817	0.377509	0.864031	UP	451.711	451.7107	451.7163	9.825492	9.715683
6290	M398T10_	1.246633	-0.31804	-0.94044	0.377607	0.864031	DOWN	398.48	398.4799	398.4802	9.9014	9.806367
6291	M324T9_9	1.233549	-0.30282	-0.93952	0.377615	0.864031	DOWN	324.1571	324.1566	324.1573	9.498117	9.40135
6292	M195T10_	1.212578	-0.27808	-0.95334	0.377669	0.864031	DOWN	195.3364	195.3363	195.3365	9.983467	9.9009
6293	M574T9_2	1.415598	-0.50141	-0.93849	0.377749	0.864031	DOWN	574.2136	574.2126	574.2154	9.328667	9.132267
6294	M439T10_	1.227679	0.295933	0.935176	0.377762	0.864031	UP	439.2416	439.2413	439.2419	10.16418	10.06883
6295	M364T10_	1.703272	-0.76831	-0.95608	0.377844	0.864031	DOWN	363.8503	363.8457	363.8504	9.840617	9.810767
6296	M592T9_2	1.269049	-0.34375	-0.95769	0.377862	0.864031	DOWN	592.4011	592.4009	592.4013	9.494433	9.40135
6297	M554T10_	1.372088	-0.45637	-0.9752	0.377866	0.864031	DOWN	553.9097	553.9093	553.9101	9.9182	9.8378
6298	M440T11_	1.183374	-0.24291	-0.93345	0.377901	0.864031	DOWN	439.9336	439.9289	439.9338	10.91265	10.88747
6299	M661T10_	1.272525	-0.34769	-0.93727	0.377981	0.864031	DOWN	661.3484	661.3474	661.3486	10.44697	10.40807

6300	M192T10_	1.354201	0.437442	0.97282	0.378081	0.864031	UP	191.9385	191.9381	191.9387	9.924383	9.843367
6301	M1136T10	1.251317	-0.32345	-0.93388	0.37811	0.864031	DOWN	1135.98	1135.979	1135.98	9.57265	9.4632
6302	M802T27_	1.481505	-0.56706	-0.95034	0.378157	0.864031	DOWN	801.5827	801.5823	801.5835	26.78133	26.75383
6303	M368T10_	1.652432	0.724591	0.959362	0.378226	0.864031	UP	367.7879	367.7813	367.7881	9.964092	9.840617
6304	M312T10_	2.12745	1.089125	0.989078	0.378302	0.864031	UP	311.8084	311.7939	311.8085	9.984083	9.856867
6305	M342T11_	1.349901	-0.43285	-0.95758	0.378329	0.864031	DOWN	342.1095	342.106	342.1098	10.94844	10.88747
6306	M443T10_	1.159777	-0.21385	-0.97763	0.378336	0.864031	DOWN	442.9223	442.9221	442.9229	9.831517	9.699733
6307	M671T9_2	1.338886	-0.42103	-0.93254	0.378344	0.864031	DOWN	671.3454	671.3449	671.3466	9.48185	9.40135
6308	M1284T11	1.192898	-0.25447	-0.95469	0.378404	0.864031	DOWN	1284.173	1284.172	1284.174	10.88995	10.8628
6309	M481T10_	1.110125	-0.15072	-0.9324	0.378417	0.864031	DOWN	481.3743	481.3742	481.3746	10.1599	10.06883
6310	M325T9_5	1.186213	-0.24636	-0.93419	0.378498	0.864031	DOWN	324.8212	324.8208	324.8216	8.825317	8.715883
6311	M271T13	1.393313	0.478519	0.9379	0.378505	0.864031	UP	271.1149	271.1147	271.115	13.02478	12.87942
6312	M243T11_	1.093115	-0.12845	-0.93351	0.378525	0.864031	DOWN	243.1782	243.1781	243.1783	10.90659	10.89355
6313	M678T11_	1.184568	-0.24436	-0.9335	0.378571	0.864031	DOWN	678.3079	678.3077	678.3086	10.892	10.8646
6314	M1378T10	1.195077	-0.2571	-0.95095	0.378572	0.864031	DOWN	1377.995	1377.993	1377.995	9.84095	9.73145
6315	M602T9_1	1.168579	-0.22476	-0.94595	0.378573	0.864031	DOWN	601.6337	601.6325	601.6375	9.272133	9.06855
6316	M370T11_	1.180026	-0.23882	-0.93783	0.378578	0.864031	DOWN	369.7468	369.7466	369.747	10.90519	10.88747
6317	M190T9_1	1.458533	-0.54452	-0.94079	0.378616	0.864031	DOWN	189.5373	189.5367	189.5382	9.205342	9.11405
6318	M373T9_6	4.632559	2.211809	0.987782	0.378692	0.864031	UP	373.2525	373.2515	373.2545	9.003817	8.985867
6319	M430T9_3	1.319082	-0.39953	-0.96223	0.378696	0.864031	DOWN	429.9982	429.9974	430.0015	9.3471	9.1503
6320	M416T41_	1.117329	0.160054	0.97712	0.378721	0.864031	UP	416.2642	416.2639	416.2642	40.86292	40.6975
6321	M396T40_	1.381561	-0.4663	-0.95172	0.378772	0.864031	DOWN	396.2225	396.2225	396.2227	40.12208	39.84883
6322	M399T9_3	1.206782	-0.27116	-0.94715	0.378784	0.864031	DOWN	398.8268	398.8262	398.827	8.985492	8.922033
6323	M396T43_	1.156302	-0.20952	-0.9807	0.378867	0.864031	DOWN	396.2225	396.2225	396.2228	43.32983	43.11433
6324	M219T9_5	1.361998	-0.44572	-0.94163	0.378911	0.864032	DOWN	218.843	218.8419	218.8437	9.283292	9.132267
6325	M585T10_	2.514443	1.330239	0.987017	0.37893	0.864032	UP	585.3348	585.3276	585.3363	9.622983	9.510117
6326	M188T9_4	1.722765	0.784726	0.931374	0.378955	0.864032	UP	187.9046	187.895	187.9051	9.174575	9.126783
6327	M256T28	1.277059	-0.35283	-0.94094	0.378987	0.864032	DOWN	256.2995	256.2994	256.2996	27.86283	27.84817
6328	M878T10_	1.103511	-0.1421	-0.94215	0.37914	0.864032	DOWN	877.5883	877.5859	877.5891	9.90295	9.79535
6329	M609T10_	1.385256	0.470152	0.955915	0.37916	0.864032	UP	608.9567	608.9562	608.9573	9.975217	9.8753
6330	M267T10_	1.332464	0.414096	0.931329	0.379168	0.864032	UP	266.7623	266.7622	266.7624	9.877725	9.811217
6331	M290T11_	1.146314	-0.197	-0.93626	0.379171	0.864032	DOWN	289.7251	289.7248	289.7253	10.90519	10.879
6332	M505T9_3	1.196241	-0.25851	-0.93579	0.379178	0.864032	DOWN	504.6934	504.6924	504.6938	9.221892	9.129317
6333	M481T11_	1.433923	0.519968	0.940354	0.379188	0.864032	UP	481.4881	481.4881	481.4884	10.84767	10.8214
6334	M228T11_	1.085421	-0.11825	-0.93548	0.379232	0.864032	DOWN	228.1592	228.1592	228.1593	10.90659	10.89355

6335	M205T10_	1.204011	-0.26785	-0.96546	0.379304	0.864032	DOWN	205.1315	205.1314	205.1316	9.8374	9.715683
6336	M546T35	2.998155	1.584075	0.986775	0.379313	0.864032	UP	546.3996	546.3994	546.3998	34.63017	34.62367
6337	M494T29_	1.310139	0.38972	0.953927	0.379327	0.864032	UP	494.3236	494.3232	494.3237	28.815	28.79983
6338	M520T42_	1.109925	0.150462	0.937628	0.379412	0.864032	UP	520.3112	520.3108	520.3115	42.02117	41.80517
6339	M324T9_2	1.289772	-0.36712	-0.93654	0.379481	0.864032	DOWN	323.5278	323.5274	323.528	8.9244	8.8486
6340	M523T10_	1.357448	-0.4409	-0.94972	0.379489	0.864032	DOWN	522.5531	522.5525	522.5549	9.9478	9.8914
6341	M503T9_9	1.37102	0.455249	0.970379	0.379532	0.864032	UP	503.361	503.3599	503.3701	9.448983	9.174967
6342	M899T34	1.457084	-0.54308	-0.93817	0.379619	0.864032	DOWN	898.6106	898.6101	898.6108	33.99183	33.9455
6343	M291T23	1.371893	0.456168	0.929957	0.379636	0.864032	UP	290.7259	290.7257	290.7261	22.89325	22.88567
6344	M744T9_2	1.367534	-0.45158	-0.93445	0.379646	0.864032	DOWN	744.035	744.0344	744.0358	9.317	9.234417
6345	M529T11_	1.310379	-0.38998	-0.92954	0.379963	0.864032	DOWN	529.4019	529.4011	529.404	11.26983	11.15128
6346	M372T9_4	5.840609	2.546119	0.98416	0.380001	0.864032	UP	372.2496	372.249	372.2501	8.989	8.936617
6347	M341T10_	10.46505	-3.38751	-0.9857	0.380029	0.864032	DOWN	341.3101	341.3094	341.3108	9.828642	9.715683
6348	M304T23_	1.109658	-0.15012	-0.94497	0.380033	0.864032	DOWN	304.2844	304.2843	304.2846	22.74158	22.741
6349	M342T11_	1.311207	0.390895	0.93011	0.380048	0.864032	UP	341.7471	341.7461	341.7484	10.94208	10.8628
6350	M670T10_	1.149094	0.200497	0.930224	0.380079	0.864032	UP	670.4324	670.4319	670.433	9.81635	9.78305
6351	M583T23	1.461388	0.547339	0.958612	0.380093	0.864032	UP	582.5609	582.5606	582.5617	22.886	22.857
6352	M463T10_	2.592287	1.374226	0.985137	0.380097	0.864032	UP	462.5492	462.5488	462.5493	9.967367	9.859233
6353	M389T9_4	2.050978	1.036312	0.973869	0.380162	0.864032	UP	389.3201	389.3197	389.3205	9.03845	8.985867
6354	M888T10_	1.468141	0.553991	0.94887	0.380166	0.864032	UP	888.0292	888.0283	888.0305	9.971292	9.859233
6355	M756T9_1	1.244747	-0.31585	-0.92872	0.380211	0.864032	DOWN	755.6728	755.6726	755.6734	9.294308	9.1445
6356	M675T11_	1.283623	-0.36022	-0.92891	0.380228	0.864032	DOWN	675.1276	675.1254	675.1283	10.892	10.8646
6357	M529T9_4	1.537599	0.62068	0.962635	0.380238	0.864032	UP	529.3011	529.2976	529.3041	9.355317	9.064833
6358	M254T9_5	2.577783	-1.36613	-0.98001	0.380292	0.864032	DOWN	254.4387	254.4385	254.4387	9.37135	9.2529
6359	M392T20_	1.098314	-0.13529	-0.92936	0.380392	0.864032	DOWN	391.5065	391.5063	391.5067	20.245	20.23017
6360	M427T9_2	1.305002	-0.38405	-0.93947	0.38054	0.864032	DOWN	427.2646	427.2644	427.2649	9.311883	9.206
6361	M168T10_	1.467519	0.553379	0.938445	0.380621	0.864032	UP	168.1855	168.1854	168.1856	9.964092	9.843367
6362	M355T11_	1.133894	0.181285	0.954662	0.380732	0.864033	UP	354.7768	354.7765	354.777	10.61286	10.58208
6363	M221T9_1	1.278561	-0.35452	-0.93597	0.380752	0.864033	DOWN	221.166	221.1649	221.1666	9.3471	9.204617
6364	M525T21	1.219628	-0.28644	-0.9412	0.380757	0.864033	DOWN	525.4239	525.4233	525.4249	20.9975	20.93867
6365	M450T40_	1.237581	-0.30752	-0.97193	0.380775	0.864033	DOWN	450.2333	450.2331	450.2334	39.51483	39.34533
6366	M768T10_	1.236234	-0.30595	-0.92752	0.380794	0.864033	DOWN	768.4779	768.4777	768.4783	10.45352	10.40807
6367	M525T24_	1.312089	-0.39187	-0.92729	0.380916	0.864033	DOWN	525.3796	525.3792	525.3799	24.1315	24.06833
6368	M188T11_	1.176476	-0.23447	-0.92923	0.380925	0.864033	DOWN	188.4658	188.4657	188.466	10.90522	10.879
6369	M356T10_	4.00115	2.000415	0.983632	0.380946	0.864033	UP	355.5805	355.5802	355.5808	9.8207	9.715683

6370	M1961T10_	1.236247	0.305967	0.928342	0.380969	0.864033	UP	1961.273	1961.27	1961.281	9.802117	9.715683
6371	M316T29	1.158061	-0.21171	-0.92707	0.381009	0.864033	DOWN	316.3207	316.3206	316.3208	29.03975	29.0175
6372	M277T11_	1.446425	0.532492	0.965217	0.38104	0.864033	UP	276.6827	276.6825	276.6919	10.877	10.82972
6373	M431T9_9	1.179265	-0.23789	-0.92901	0.381183	0.864033	DOWN	431.1172	431.1116	431.1183	9.241267	8.936617
6374	M391T11_	1.14506	-0.19542	-0.93061	0.381282	0.864033	DOWN	390.6532	390.6529	390.6535	10.90519	10.879
6375	M662T10_	1.104249	-0.14307	-0.95013	0.381436	0.864033	DOWN	662.3831	662.3826	662.3841	9.825767	9.715683
6376	M576T42	1.07509	-0.10446	-0.94924	0.381455	0.864033	DOWN	576.3375	576.3374	576.3378	42.44525	42.208
6377	M712T9_4	1.187923	-0.24844	-0.93309	0.381709	0.864033	DOWN	712.1438	712.1432	712.1443	9.246483	9.129317
6378	M528T22	1.274771	-0.35024	-0.93785	0.381729	0.864033	DOWN	528.3737	528.3735	528.3742	22.26417	22.20933
6379	M682T11_	1.191583	-0.25288	-0.92669	0.381754	0.864033	DOWN	681.7238	681.7235	681.7243	10.892	10.8646
6380	M396T10_	1.305242	0.384317	0.942755	0.381759	0.864033	UP	395.696	395.6955	395.6961	9.971292	9.859233
6381	M407T10_	1.304855	0.383889	0.92566	0.381785	0.864033	UP	406.8082	406.8079	406.8188	9.8322	9.699733
6382	M214T9_1	1.40805	-0.4937	-0.94594	0.381845	0.864033	DOWN	214.111	214.1097	214.1115	9.311883	9.22495
6383	M842T10_	1.434296	-0.52034	-0.92672	0.381847	0.864033	DOWN	841.5286	841.5281	841.5296	9.978692	9.960967
6384	M1155T11	1.159294	-0.21325	-0.92672	0.381863	0.864033	DOWN	1154.816	1154.815	1154.817	10.90659	10.89355
6385	M706T25	1.186418	-0.24661	-0.94473	0.381864	0.864033	DOWN	706.3286	706.3276	706.3297	24.75325	24.7245
6386	M420T37	1.082898	-0.1149	-0.94338	0.381867	0.864033	DOWN	420.2227	420.2224	420.2228	36.986	36.72717
6387	M235T10_	1.261115	0.3347	0.932065	0.381896	0.864033	UP	235.4013	235.3998	235.4015	9.940667	9.859233
6388	M722T10_	2.830441	1.501027	0.980791	0.381926	0.864033	UP	722.2556	722.2554	722.2564	9.8207	9.715683
6389	M359T10_	1.574799	0.655167	0.977726	0.381954	0.864033	UP	358.9797	358.9794	358.9798	9.8649	9.73145
6390	M525T10_	1.30219	-0.38094	-0.94759	0.382011	0.864033	DOWN	525.3314	525.3287	525.3319	9.843742	9.715683
6391	M258T10_	1.97114	0.97903	0.974025	0.382021	0.864033	UP	258.1695	258.1694	258.1698	9.566767	9.52595
6392	M523T10_	1.282541	-0.359	-0.93355	0.382022	0.864033	DOWN	523.2715	523.269	523.272	9.543608	9.478833
6393	M347T9_6	1.599283	0.677425	0.954162	0.382053	0.864033	UP	347.2488	347.2418	347.253	9.447692	9.132267
6394	M356T10_	1.976757	0.983135	0.925019	0.382055	0.864033	UP	355.96	355.9599	355.9602	9.865667	9.79065
6395	M571T11_	1.195366	-0.25745	-0.92542	0.382076	0.864033	DOWN	571.3551	571.3548	571.3561	10.72662	10.67805
6396	M348T9_6	1.988754	0.991864	0.969203	0.382157	0.864033	UP	348.2376	348.2293	348.241	9.237667	8.967683
6397	M353T16	1.566704	-0.64773	-0.95822	0.382161	0.864033	DOWN	353.1569	353.1567	353.1571	15.58545	15.41775
6398	M670T9_3	1.385867	-0.47079	-0.9322	0.382172	0.864033	DOWN	670.4654	670.4649	670.4678	9.449308	9.355317
6399	M567T15	1.181498	-0.24062	-0.92775	0.382264	0.864033	DOWN	567.2882	567.2879	567.2886	14.57553	14.51577
6400	M554T11_	1.199554	-0.2625	-0.94021	0.382285	0.864033	DOWN	554.4639	554.4638	554.4642	10.77367	10.75595
6401	M331T10_	1.537103	0.620213	0.925572	0.382342	0.864033	UP	331.4938	331.4937	331.4941	9.983433	9.8753
6402	M406T10_	1.268073	-0.34264	-0.92859	0.38235	0.864033	DOWN	406.3444	406.3443	406.3446	9.816317	9.699733
6403	M525T10_	1.412496	-0.49825	-0.93068	0.382467	0.864033	DOWN	525.107	525.1066	525.1081	9.956867	9.885167
6404	M154T10_	1.257106	-0.33011	-0.93363	0.382489	0.864034	DOWN	153.5943	153.594	153.5946	9.829083	9.7124

6405	M403T10_	2.796401	1.483571	0.979207	0.382512	0.864034	UP	403.3169	403.3167	403.3173	9.627808	9.540717
6406	M394T9_8	4.753986	2.249138	0.978394	0.382577	0.864034	UP	394.2317	394.2311	394.232	8.976617	8.924217
6407	M191T10_	1.402448	-0.48795	-0.94888	0.382608	0.864034	DOWN	191.1446	191.1445	191.1447	9.956417	9.853533
6408	M224T10_	1.246849	-0.31829	-0.92924	0.382674	0.864034	DOWN	224.4306	224.4305	224.4307	9.902617	9.811217
6409	M1158T10_	1.105246	-0.14437	-0.92571	0.382689	0.864034	DOWN	1158.228	1158.227	1158.228	9.810767	9.665433
6410	M272T26_	1.108141	-0.14814	-0.92628	0.382759	0.864034	DOWN	272.2944	272.2943	272.2946	26.0325	26.00933
6411	M550T10_	1.429448	-0.51546	-0.92419	0.382789	0.864034	DOWN	550.3484	550.3483	550.3487	9.655967	9.644783
6412	M769T10_	1.311203	0.390892	0.952375	0.382853	0.864034	UP	769.3904	769.3848	769.3916	9.8207	9.715683
6413	M966T11_	1.151165	-0.20309	-0.92359	0.38287	0.864034	DOWN	966.0322	966.0314	966.0367	10.90519	10.88747
6414	M365T31	1.905738	-0.93035	-0.96585	0.382907	0.864034	DOWN	365.1357	365.1356	365.1358	31.005	31.00317
6415	M225T10_	1.254493	0.327104	0.931457	0.382913	0.864034	UP	224.559	224.5589	224.5591	9.967367	9.859233
6416	M351T11_	1.233481	0.302735	0.923503	0.382932	0.864034	UP	350.589	350.5876	350.5901	10.91977	10.88982
6417	M457T10_	1.214949	-0.2809	-0.9337	0.383013	0.864034	DOWN	456.8239	456.8235	456.8241	9.916525	9.811217
6418	M238T9_4	2.731472	-1.44968	-0.97646	0.383124	0.864034	DOWN	238.2569	238.2568	238.257	9.370967	9.221317
6419	M571T9_1	1.615211	0.691723	0.945705	0.38318	0.864034	UP	570.5641	570.5625	570.5683	9.328967	9.264333
6420	M396T10_	1.089207	-0.12328	-0.9276	0.383186	0.864034	DOWN	396.2037	396.2034	396.2038	9.917167	9.811217
6421	M365T10_	1.934878	0.952243	0.965374	0.383245	0.864034	UP	364.6122	364.6118	364.6154	9.8753	9.73145
6422	M448T9_3	1.280194	-0.35636	-0.95096	0.383277	0.864034	DOWN	447.8072	447.8069	447.8077	9.278983	9.1445
6423	M878T9	1.418796	-0.50467	-0.92535	0.3833	0.864034	DOWN	877.5542	877.5534	877.555	9.48955	9.40135
6424	M409T9_4	1.354477	-0.43774	-0.92241	0.383307	0.864034	DOWN	409.3163	409.3157	409.3164	8.978067	8.922033
6425	M674T31_	2.139889	-1.09754	-0.96574	0.383395	0.864034	DOWN	674.4922	674.4918	674.4939	31.40708	31.3925
6426	M383T11_	1.152395	-0.20463	-0.9235	0.383443	0.864034	DOWN	382.8107	382.8105	382.8115	10.89875	10.879
6427	M545T12_	1.238454	-0.30854	-0.92823	0.383532	0.864034	DOWN	545.4263	545.4259	545.4265	11.9459	11.93173
6428	M662T10_	1.577389	0.657538	0.97428	0.383574	0.864034	UP	662.3386	662.3378	662.3406	9.825492	9.7124
6429	M384T11_	1.149415	-0.2009	-0.92317	0.383655	0.864034	DOWN	383.7409	383.7407	383.7418	10.89875	10.879
6430	M273T38	1.269037	-0.34373	-0.97081	0.383663	0.864034	DOWN	273.1693	273.1693	273.1694	38.10767	37.935
6431	M759T10_	1.232298	-0.30135	-0.92323	0.383762	0.864034	DOWN	759.3986	759.3972	759.3995	9.642433	9.52595
6432	M151T10_	1.396562	-0.48188	-0.9358	0.3838	0.864034	DOWN	150.7116	150.7115	150.7196	9.816258	9.715683
6433	M1151T10_	1.952747	0.965505	0.962542	0.38386	0.864034	UP	1151.053	1151.05	1151.055	9.960967	9.8914
6434	M435T24_	2.252424	-1.17148	-0.94594	0.383868	0.864034	DOWN	435.3108	435.3107	435.3112	24.43567	24.4045
6435	M327T10_	1.118737	-0.16187	-0.94176	0.383874	0.864034	DOWN	326.6953	326.6949	326.6962	9.830558	9.699733
6436	M298T10_	1.212482	-0.27796	-0.93255	0.383929	0.864034	DOWN	297.7107	297.7105	297.7109	9.95385	9.843367
6437	M315T11_	2.13291	1.092823	0.965036	0.383934	0.864034	UP	315.1772	315.177	315.1777	11.03245	10.94853
6438	M324T10_	1.242896	-0.31371	-0.92541	0.383959	0.864034	DOWN	324.3288	324.3286	324.3291	9.964092	9.859233
6439	M481T10_	1.168655	-0.22485	-0.92581	0.383995	0.864034	DOWN	480.5019	480.5009	480.5031	9.766358	9.636483



6440	M572T11_	1.279636	-0.35573	-0.93781	0.38403	0.864034	DOWN	571.6903	571.6897	571.691	10.74723	10.6937
6441	M356T15	12.67947	3.664422	0.976443	0.384134	0.864034	UP	356.1507	356.1503	356.1508	14.88273	14.86757
6442	M663T10_	1.544544	0.627181	0.959739	0.38418	0.864034	UP	663.4768	663.4758	663.4785	9.85045	9.801833
6443	M583T9_7	1.353087	-0.43625	-0.92097	0.384241	0.864034	DOWN	583.2927	583.2905	583.2941	9.250817	9.09495
6444	M450T9_7	1.472729	-0.55849	-0.93809	0.384344	0.864035	DOWN	450.1851	450.1848	450.1861	9.160167	9.12675
6445	M592T9_1	1.287333	-0.36439	-0.95908	0.38435	0.864035	DOWN	591.7546	591.7537	591.759	9.300733	9.219483
6446	M823T10_	1.327011	0.408181	0.928822	0.384398	0.864035	UP	823.0338	823.0329	823.0345	9.954217	9.843367
6447	M172T10_	1.115681	-0.15793	-0.92015	0.38441	0.864035	DOWN	171.5035	171.5031	171.5038	9.934533	9.827283
6448	M749T10_	1.598957	0.677131	0.972833	0.384436	0.864035	UP	748.7279	748.7254	748.729	9.825492	9.715683
6449	M367T22_	1.271531	0.346567	0.962586	0.384444	0.864035	UP	367.2378	367.2376	367.2379	22.323	22.31017
6450	M293T11_	1.346458	-0.42917	-0.92629	0.384479	0.864035	DOWN	292.5736	292.5734	292.574	10.87572	10.8214
6451	M164T10_	1.153323	-0.2058	-0.93333	0.38451	0.864035	DOWN	164.3596	164.3595	164.3598	9.830458	9.715683
6452	M326T10_	1.825005	0.8679	0.954934	0.38461	0.864035	UP	325.5291	325.5289	325.53	9.828592	9.747533
6453	M1008T15	1.218423	-0.28502	-0.94662	0.38467	0.864035	DOWN	1008.487	1008.487	1008.487	14.75848	14.7368
6454	M351T11_	1.138621	-0.18729	-0.92346	0.384694	0.864035	DOWN	351.3894	351.3892	351.3898	10.90519	10.879
6455	M696T10_	1.274524	0.349958	0.942296	0.384764	0.864035	UP	696.3159	696.3131	696.3166	9.816167	9.541483
6456	M346T11_	1.54349	0.626197	0.941437	0.384805	0.864035	UP	346.2318	346.2236	346.2335	10.90765	10.74145
6457	M603T10_	1.195884	-0.25808	-0.94898	0.38483	0.864035	DOWN	603.305	603.3046	603.306	9.60105	9.478833
6458	M707T10_	1.225654	-0.29355	-0.93742	0.3849	0.864035	DOWN	706.772	706.7702	706.7724	9.825767	9.715683
6459	M194T10_	1.206049	-0.27029	-0.9269	0.384908	0.864035	DOWN	193.7094	193.7088	193.7096	9.840617	9.758367
6460	M326T9_5	2.80349	-1.48722	-0.93355	0.384913	0.864035	DOWN	326.3219	326.3218	326.322	9.37735	9.204617
6461	M637T11_	1.198496	-0.26122	-0.92423	0.384924	0.864035	DOWN	636.5054	636.505	636.5058	10.878	10.86253
6462	M535T11_	1.723426	0.785279	0.951963	0.384933	0.864035	UP	534.8406	534.8394	534.8411	10.89255	10.83572
6463	M289T23_	1.382219	0.466986	0.918604	0.385187	0.864035	UP	288.5334	288.5293	288.538	22.86417	22.84233
6464	M847T26	1.200557	-0.2637	-0.92184	0.385261	0.864035	DOWN	846.6151	846.6147	846.6155	25.93575	25.90983
6465	M1839T10	1.273906	-0.34926	-0.91872	0.385277	0.864035	DOWN	1839.105	1839.103	1839.106	9.914217	9.811217
6466	M341T11_	1.142879	-0.19267	-0.92912	0.385298	0.864035	DOWN	341.3223	341.3221	341.3233	10.90657	10.879
6467	M471T17	1.224041	-0.29165	-0.9183	0.385343	0.864035	DOWN	471.3772	471.3767	471.3778	17.13592	17.117
6468	M212T10_	1.23068	-0.29946	-0.92904	0.385432	0.864035	DOWN	211.896	211.8958	211.8961	9.82645	9.715683
6469	M555T10_	1.232206	-0.30124	-0.934	0.385445	0.864035	DOWN	555.1006	555.1001	555.1008	9.95825	9.859233
6470	M444T11_	1.271869	-0.34695	-0.91874	0.38546	0.864035	DOWN	443.8186	443.8184	443.8195	10.90553	10.879
6471	M536T43	1.222444	-0.28977	-0.92488	0.385522	0.864035	DOWN	536.3062	536.306	536.3064	42.8265	42.62517
6472	M402T11_	1.561705	-0.64312	-0.9184	0.385567	0.864035	DOWN	401.8029	401.8015	401.8089	10.94603	10.80695
6473	M276T11_	1.175166	-0.23286	-0.92145	0.38562	0.864035	DOWN	275.6688	275.6687	275.6689	10.89875	10.8646
6474	M320T10_	1.103846	-0.14254	-0.94031	0.385644	0.864035	DOWN	319.5233	319.5229	319.525	9.830558	9.715683

6475	M335T10_	1.186014	-0.24612	-0.93031	0.385684	0.864035	DOWN	334.9274	334.9271	334.9276	9.979342	9.8753
6476	M347T10_	1.239475	-0.30973	-0.93189	0.385727	0.864035	DOWN	347.111	347.1107	347.1111	9.834067	9.699733
6477	M1924T10	1.689504	0.7566	0.949308	0.385775	0.864035	UP	1923.783	1923.779	1923.784	9.847133	9.728083
6478	M318T9_1	1.217072	-0.28341	-0.92803	0.385784	0.864035	DOWN	318.0487	318.0484	318.049	8.848167	8.7575
6479	M203T10_	1.219835	-0.28669	-0.96215	0.385844	0.864035	DOWN	203.3404	203.3402	203.3404	9.970617	9.859233
6480	M277T11_	1.19868	-0.26145	-0.9174	0.38586	0.864035	DOWN	276.5526	276.5525	276.5527	10.89907	10.8646
6481	M318T9_1	1.263781	-0.33775	-0.92769	0.385928	0.864035	DOWN	318.3708	318.3705	318.3713	9.331083	9.234417
6482	M794T10_	1.382462	-0.46724	-0.91718	0.385949	0.864035	DOWN	794.453	794.4521	794.456	9.921208	9.872067
6483	M400T11_	1.310302	-0.3899	-0.91899	0.386031	0.864035	DOWN	400.4208	400.4196	400.4213	10.92208	10.8214
6484	M327T10_	1.171027	-0.22777	-0.93743	0.386084	0.864035	DOWN	326.5584	326.5581	326.5585	9.818525	9.715683
6485	M599T9_4	2.008949	1.006441	0.964184	0.386128	0.864036	UP	599.4202	599.4196	599.4206	9.479567	9.370583
6486	M1640T10	1.492865	0.578084	0.9617	0.386165	0.864036	UP	1639.645	1639.642	1639.65	9.915583	9.843367
6487	M435T9_1	5.20715	2.380494	0.971413	0.386182	0.864036	UP	434.5959	434.5927	434.5975	9.0839	9.06315
6488	M324T9_5	1.97985	0.985391	0.963335	0.3862	0.864036	UP	323.8232	323.823	323.8238	9.468325	9.370583
6489	M883T11_	1.286397	0.363336	0.9185	0.386203	0.864036	UP	883.459	883.4581	883.4597	10.91611	10.73768
6490	M478T9_2	1.157599	-0.21114	-0.91736	0.386216	0.864036	DOWN	478.1065	478.1055	478.1067	9.29345	9.129317
6491	M533T9_2	1.299721	-0.3782	-0.93525	0.386226	0.864036	DOWN	533.0675	533.0668	533.068	9.438833	9.38595
6492	M1318T29	1.720399	-0.78274	-0.92354	0.386448	0.864036	DOWN	1317.977	1317.976	1317.979	28.80933	28.77683
6493	M360T10_	4.74774	2.247241	0.970739	0.386514	0.864036	UP	359.6822	359.682	359.6824	9.951283	9.843367
6494	M289T23_	1.429625	0.515636	0.918279	0.386537	0.864036	UP	288.5805	288.5788	288.5847	22.929	22.90067
6495	M194T9_9	2.051263	1.036512	0.929234	0.386538	0.864036	UP	193.976	193.9758	193.9768	9.16125	9.111033
6496	M454T10_	1.093877	-0.12945	-0.91853	0.38656	0.864036	DOWN	454.3294	454.3289	454.3296	10.44611	10.40807
6497	M1247T10	1.340701	-0.42299	-0.94966	0.386644	0.864036	DOWN	1247.308	1247.307	1247.308	9.916525	9.8378
6498	M362T10_	1.519536	0.60363	0.943764	0.386722	0.864036	UP	361.8518	361.8517	361.8521	9.778967	9.6681
6499	M210T10_	1.262707	-0.33652	-0.91723	0.386744	0.864036	DOWN	210.2044	210.2042	210.2045	10.46372	10.40882
6500	M227T9_1	1.779365	-0.83136	-0.91999	0.38676	0.864036	DOWN	227.1895	227.1868	227.2008	8.701925	8.5386
6501	M431T10_	2.003962	1.002855	0.96718	0.386772	0.864036	UP	430.5361	430.5353	430.5364	9.951283	9.843367
6502	M278T10_	1.208196	-0.27285	-0.93365	0.386828	0.864036	DOWN	277.8901	277.8898	277.8902	9.95385	9.859233
6503	M622T10_	1.070187	-0.09786	-0.95309	0.386857	0.864036	DOWN	621.5147	621.5144	621.5151	10.28154	10.21468
6504	M492T16	1.113419	-0.155	-0.91528	0.386968	0.864036	DOWN	492.3788	492.3766	492.3791	15.59945	15.40973
6505	M1162T10	1.54826	-0.63065	-0.91495	0.387006	0.864036	DOWN	1162.353	1162.352	1162.356	9.923708	9.900133
6506	M302T11_	1.21287	0.278425	0.950868	0.387041	0.864036	UP	302.0425	302.042	302.0429	10.89904	10.8646
6507	M283T10_	1.691611	0.758398	0.967071	0.387046	0.864036	UP	283.1651	283.1649	283.1652	9.830083	9.743667
6508	M431T10_	1.948524	0.962382	0.96485	0.387148	0.864036	UP	430.9572	430.957	430.9576	9.951283	9.843367
6509	M570T10_	1.170969	-0.2277	-0.92124	0.38719	0.864036	DOWN	570.2736	570.2726	570.274	10.41657	10.39197

6510	M326T10_	1.11999	-0.16349	-0.91537	0.387222	0.864036	DOWN	326.2247	326.2244	326.2258	9.830558	9.73145
6511	M708T11_	1.134392	-0.18192	-0.91636	0.387229	0.864036	DOWN	707.5434	707.5432	707.5437	10.62073	10.5836
6512	M275T22	2.470451	1.304775	0.9574	0.387229	0.864036	UP	275.2771	275.277	275.2773	21.52183	21.49333
6513	M389T9_5	1.462501	-0.54844	-0.9166	0.387272	0.864036	DOWN	389.4518	389.4518	389.4519	9.443225	9.38595
6514	M583T9_1	1.573052	0.653566	0.960565	0.387283	0.864036	UP	582.5075	582.5066	582.5078	9.069958	9.03845
6515	M754T10_	1.504395	0.589184	0.914592	0.387308	0.864036	UP	754.3256	754.3241	754.3268	9.9677	9.8753
6516	M235T11_	1.31573	-0.39586	-0.9143	0.387399	0.864036	DOWN	235.4833	235.4831	235.4836	10.892	10.873
6517	M419T10_	1.757439	0.813475	0.914087	0.387415	0.864036	UP	418.5077	418.5014	418.508	9.946367	9.8753
6518	M317T9_8	1.274608	-0.35005	-0.9145	0.387432	0.864036	DOWN	317.4749	317.4745	317.4751	9.317	9.234417
6519	M268T15_	1.2039	-0.26772	-0.92379	0.387483	0.864036	DOWN	268.1177	268.1175	268.1178	14.67778	14.63255
6520	M351T24	1.712378	0.776001	0.951701	0.38752	0.864036	UP	351.2737	351.2732	351.2743	23.79867	23.74633
6521	M340T10_	1.268352	-0.34296	-0.93897	0.387564	0.864036	DOWN	339.6966	339.6964	339.6975	9.822467	9.715683
6522	M236T11_	1.139985	-0.18901	-0.91394	0.387574	0.864036	DOWN	235.9932	235.993	235.9934	10.89953	10.879
6523	M239T11_	2.168091	1.116425	0.966472	0.387581	0.864036	UP	238.6258	238.6256	238.6262	10.92253	10.83252
6524	M478T40_	1.129586	-0.17579	-0.93386	0.387626	0.864036	DOWN	478.3005	478.3005	478.3009	39.92058	39.79133
6525	M460T42_	1.15955	-0.21357	-0.9667	0.387643	0.864036	DOWN	460.29	460.2897	460.2901	42.36625	42.28
6526	M973T11	1.458822	0.544804	0.923176	0.387668	0.864036	UP	973.2685	973.2676	973.2729	10.8906	10.87765
6527	M395T11_	1.188795	-0.2495	-0.91541	0.387827	0.864036	DOWN	395.321	395.3202	395.3215	10.59655	10.5518
6528	M758T9_1	1.248549	0.320252	0.959886	0.387837	0.864036	UP	757.8339	757.833	757.8346	9.191283	9.12675
6529	M349T9_1	1.288222	-0.36538	-0.91958	0.387922	0.864036	DOWN	349.0883	349.0845	349.0886	9.314442	9.234417
6530	M683T10_	1.22891	-0.29738	-0.95248	0.387963	0.864037	DOWN	682.6298	682.6196	682.6301	9.834117	9.715683
6531	M475T9_4	1.333623	-0.41535	-0.91639	0.387994	0.864037	DOWN	474.9428	474.9425	474.9541	9.343517	9.175017
6532	M405T21_	1.335842	-0.41775	-0.91683	0.388115	0.864037	DOWN	404.9497	404.9491	404.9504	20.628	20.591
6533	M521T9_4	5.438805	2.44329	0.966833	0.388267	0.864037	UP	520.8204	520.8179	520.8234	9.1445	9.064833
6534	M762T11_	1.307332	-0.38663	-0.93502	0.388275	0.864037	DOWN	762.4745	762.4742	762.4746	10.69492	10.66012
6535	M260T11_	1.189064	-0.24983	-0.92625	0.388281	0.864037	DOWN	259.5006	259.5005	259.5008	10.90659	10.88747
6536	M1301T10	1.429253	-0.51526	-0.91363	0.388288	0.864037	DOWN	1301.31	1301.309	1301.31	9.972483	9.960967
6537	M835T11_	1.154402	-0.20715	-0.91532	0.388333	0.864037	DOWN	834.5174	834.5168	834.518	10.66105	10.61512
6538	M302T10_	1.187729	-0.24821	-0.91198	0.388451	0.864037	DOWN	302.3389	302.3386	302.3461	9.830833	9.715683
6539	M341T10_	4.835198	-2.27358	-0.96603	0.388574	0.864037	DOWN	341.0203	341.02	341.0204	9.951283	9.843367
6540	M286T10_	1.127897	-0.17363	-0.92393	0.388608	0.864037	DOWN	285.7122	285.7089	285.7125	9.942317	9.571683
6541	M268T10_	1.735764	0.795571	0.96243	0.388629	0.864037	UP	268.0302	268.03	268.0303	9.970617	9.8753
6542	M715T10_	1.574101	-0.65453	-0.94481	0.388646	0.864037	DOWN	715.4979	715.4973	715.498	9.505267	9.40135
6543	M1333T9	1.254767	-0.32742	-0.95138	0.388653	0.864037	DOWN	1332.96	1332.96	1332.962	9.305658	9.24215
6544	M279T10_	1.191047	-0.25223	-0.91849	0.388723	0.864037	DOWN	278.9333	278.9325	278.9336	9.931875	9.827283

6545	M402T11_	1.483753	0.569251	0.913149	0.388767	0.864037	UP	401.6815	401.6753	401.6872	10.91918	10.85838
6546	M193T9_1	1.278558	-0.35452	-0.9127	0.388787	0.864037	DOWN	193.4741	193.4734	193.4754	9.303492	9.1503
6547	M350T10_	1.17163	0.228517	0.915817	0.388792	0.864037	UP	349.8193	349.819	349.8196	9.825492	9.699733
6548	M703T10_	1.119454	-0.1628	-0.91901	0.388795	0.864037	DOWN	702.9389	702.9386	702.9395	10.25264	10.2024
6549	M334T19	1.642593	0.715975	0.917596	0.388816	0.864037	UP	334.1708	334.17	334.1713	18.90025	18.8735
6550	M995T22	1.251434	-0.32358	-0.92225	0.388913	0.864037	DOWN	994.689	994.6882	994.69	22.2045	22.18067
6551	M369T15	1.796728	-0.84537	-0.95807	0.388947	0.864037	DOWN	369.1883	369.1882	369.1885	14.6487	14.5321
6552	M788T10_	1.360286	-0.44391	-0.91171	0.389003	0.864037	DOWN	787.7557	787.7545	787.7562	9.887133	9.779267
6553	M474T10_	1.575568	0.655872	0.929995	0.389005	0.864037	UP	474.0735	474.0728	474.0736	9.967367	9.859233
6554	M227T12_	1.244136	-0.31514	-0.91088	0.389019	0.864037	DOWN	226.6094	226.6094	226.6096	12.37065	12.33917
6555	M620T19	1.259383	-0.33272	-0.9428	0.389036	0.864037	DOWN	620.4823	620.4818	620.4824	18.63867	18.629
6556	M873T10_	1.099587	-0.13696	-0.91185	0.389059	0.864037	DOWN	873.4677	873.467	873.468	9.678733	9.557333
6557	M1348T10	2.50321	1.323779	0.964323	0.389137	0.864037	UP	1348.077	1348.075	1348.08	9.964417	9.8753
6558	M1047T10	1.877268	0.908635	0.946753	0.389239	0.864037	UP	1046.618	1046.617	1046.619	9.746142	9.636483
6559	M223T10_	1.479303	-0.56492	-0.93312	0.389252	0.864037	DOWN	223.4602	223.4534	223.4604	9.930192	9.816167
6560	M894T10_	2.172545	1.119386	0.953365	0.389266	0.864037	UP	894.2722	894.2714	894.2729	9.960967	9.8753
6561	M432T9_6	1.315081	-0.39515	-0.93813	0.389272	0.864037	DOWN	432.0469	432.0446	432.0478	9.329025	9.129317
6562	M175T14	1.534179	0.617466	0.963158	0.389364	0.864037	UP	175.0751	175.075	175.0752	13.79973	13.77065
6563	M673T10_	1.24945	-0.32129	-0.93858	0.389399	0.864037	DOWN	672.5989	672.5985	672.5993	9.816258	9.699733
6564	M696T10_	1.219098	-0.28581	-0.92576	0.389415	0.864037	DOWN	696.2695	696.2691	696.2714	9.831517	9.715683
6565	M727T10_	1.485441	0.570892	0.960392	0.389443	0.864037	UP	726.6146	726.6126	726.6152	9.857275	9.73145
6566	M688T9	1.329805	-0.41121	-0.93585	0.38948	0.864037	DOWN	687.9068	687.8998	687.9078	9.174967	9.12675
6567	M402T9_3	1.271498	-0.34653	-0.91045	0.389503	0.864037	DOWN	402.2121	402.2119	402.2127	8.810233	8.715883
6568	M594T10_	1.173098	-0.23032	-0.92821	0.38957	0.864037	DOWN	594.2173	594.2166	594.2178	9.523633	9.432183
6569	M1410T10	1.441434	0.527505	0.951342	0.389574	0.864037	UP	1410.249	1410.245	1410.25	9.948283	9.822117
6570	M386T10_	2.018896	1.013567	0.959264	0.389622	0.864037	UP	386.4081	386.4073	386.4085	9.896717	9.79065
6571	M473T9_4	1.300252	-0.37879	-0.92971	0.389696	0.864037	DOWN	472.978	472.9776	472.9903	9.374083	9.324917
6572	M580T43_	1.248359	0.320033	0.946515	0.389731	0.864037	UP	580.3325	580.3323	580.3327	42.63958	42.5675
6573	M453T18	1.92232	-0.94285	-0.96069	0.389734	0.864037	DOWN	453.3429	453.3429	453.3432	18.3255	18.29233
6574	M601T9_2	1.422243	-0.50817	-0.90935	0.389821	0.864037	DOWN	601.3969	601.3962	601.398	8.90115	8.84285
6575	M620T9_5	1.748625	0.806221	0.959506	0.389825	0.864038	UP	620.3986	620.3984	620.4018	9.429367	9.234417
6576	M317T10_	1.337823	-0.41989	-0.91481	0.389835	0.864038	DOWN	317.3657	317.3577	317.3663	9.951283	9.8322
6577	M307T9_2	1.384413	-0.46927	-0.91118	0.38984	0.864038	DOWN	306.6497	306.6495	306.6499	8.858283	8.83365
6578	M378T40_	2.725808	-1.44668	-0.96192	0.389842	0.864038	DOWN	378.2483	378.248	378.2486	40.0645	39.83417
6579	M378T21	1.316508	0.396717	0.944983	0.389911	0.864038	UP	378.3877	378.3876	378.3885	21.3995	21.363

6580	M347T10_	1.168103	-0.22417	-0.92783	0.389945	0.864038	DOWN	347.1427	347.1425	347.1429	9.968992	9.859233
6581	M643T9_3	1.371257	-0.4555	-0.91144	0.389979	0.864038	DOWN	643.1994	643.1985	643.2007	9.303925	9.20785
6582	M173T10_	1.177715	-0.23599	-0.93789	0.390016	0.864038	DOWN	173.4784	173.4783	173.4786	9.841442	9.73145
6583	M390T9_5	3.820676	-1.93383	-0.95917	0.390022	0.864038	DOWN	390.2503	390.2496	390.2508	9.49105	9.38595
6584	M1643T10	1.708349	-0.7726	-0.9315	0.390133	0.864038	DOWN	1643.058	1643.055	1643.06	9.962692	9.94455
6585	M266T12	1.38075	0.465452	0.953693	0.390195	0.864038	UP	266.2111	266.2108	266.2112	12.2597	12.23848
6586	M325T10_	1.339529	0.421725	0.908524	0.390222	0.864038	UP	325.0481	325.0477	325.0486	9.8374	9.73145
6587	M816T11_	1.27843	-0.35437	-0.91283	0.390351	0.864038	DOWN	816.3693	816.3687	816.3701	10.87708	10.85018
6588	M470T10_	2.184074	1.127022	0.958216	0.390387	0.864038	UP	470.3218	470.3212	470.3222	9.645292	9.541483
6589	M257T25	1.228672	-0.2971	-0.93806	0.390538	0.864038	DOWN	257.2664	257.2663	257.2665	24.69583	24.638
6590	M895T10_	1.355349	-0.43866	-0.93227	0.390544	0.864038	DOWN	895.0759	895.0753	895.0786	9.505758	9.447983
6591	M345T41	1.09765	-0.13442	-0.9077	0.390586	0.864038	DOWN	345.1906	345.1905	345.1908	41.388	41.17233
6592	M586T9_3	1.282079	-0.35849	-0.90763	0.390596	0.864038	DOWN	585.8078	585.8064	585.8108	9.365833	9.250817
6593	M343T20_	5.100726	-2.3507	-0.95744	0.390798	0.864038	DOWN	343.2092	343.2086	343.2099	19.59217	19.5695
6594	M640T10_	6.222682	2.637536	0.961091	0.39087	0.864038	UP	640.3194	640.3089	640.3237	9.857275	9.73145
6595	M197T11	1.195586	-0.25772	-0.91814	0.390878	0.864038	DOWN	197.4582	197.4581	197.4583	10.90659	10.879
6596	M188T9_3	1.717183	0.780043	0.952259	0.390904	0.864038	UP	187.7108	187.7102	187.712	9.304925	9.0511
6597	M636T35	2.874887	1.523505	0.957935	0.390915	0.864038	UP	636.4578	636.4577	636.459	34.50992	34.46517
6598	M1701T10	1.725313	0.786858	0.959439	0.390951	0.864038	UP	1701.197	1701.192	1701.2	9.816183	9.715683
6599	M1632T10	1.29802	-0.37631	-0.92677	0.390954	0.864038	DOWN	1632.158	1632.153	1632.159	9.903092	9.806367
6600	M619T19_	1.257303	-0.33033	-0.94135	0.390957	0.864038	DOWN	619.4789	619.4785	619.4792	18.63867	18.629
6601	M407T9_1	1.281615	-0.35796	-0.90678	0.391034	0.864038	DOWN	406.9082	406.9079	406.9083	9.438833	9.38595
6602	M378T24_	9.167752	3.196568	0.960641	0.391095	0.864038	UP	378.2397	378.2396	378.2399	24.169	24.14133
6603	M720T10_	1.241424	0.311996	0.925012	0.391238	0.864038	UP	719.5605	719.5597	719.5607	9.830558	9.699733
6604	M635T10_	1.088673	0.122571	0.906291	0.391278	0.864038	UP	635.3993	635.3989	635.3995	10.39613	10.34372
6605	M502T10_	1.284897	-0.36165	-0.91129	0.391282	0.864038	DOWN	501.6373	501.6364	501.6377	10.47749	10.37598
6606	M1638T10	1.380548	0.465241	0.937455	0.391438	0.864038	UP	1638.089	1638.081	1638.093	9.933967	9.827283
6607	M338T9_9	1.290061	0.367439	0.914353	0.39146	0.864038	UP	338.3776	338.3717	338.3778	9.29375	9.129317
6608	M359T17	1.245905	-0.31719	-0.90903	0.391484	0.864038	DOWN	359.2556	359.2551	359.2564	16.70833	16.69367
6609	M1156T10	1.340193	0.42244	0.915255	0.391569	0.864038	UP	1156.003	1156.002	1156.003	9.805842	9.732983
6610	M994T10_	1.217225	-0.2836	-0.91621	0.391578	0.864038	DOWN	993.8177	993.8148	993.8196	9.766367	9.40255
6611	M772T14	1.146481	-0.19721	-0.9057	0.391592	0.864038	DOWN	771.5631	771.5625	771.5635	13.69715	13.66475
6612	M521T11_	1.579777	0.659721	0.936432	0.391618	0.864038	UP	521.1875	521.1863	521.1903	10.93873	10.84487
6613	M709T11_	1.158878	-0.21273	-0.90721	0.391642	0.864038	DOWN	709.0009	709.0004	709.0027	10.90519	10.879
6614	M680T10_	1.494176	0.57935	0.947472	0.391667	0.864038	UP	680.4664	680.4657	680.4669	9.8397	9.715683

6615	M209T9_4	1.423176	-0.50911	-0.90617	0.391746	0.864039	DOWN	208.9243	208.9238	208.9247	9.280767	9.204617
6616	M721T25	1.387773	-0.47277	-0.9097	0.391761	0.864039	DOWN	720.5103	720.5099	720.511	24.94183	24.94083
6617	M556T9_2	2.514243	1.330124	0.955183	0.391847	0.864039	UP	555.6607	555.6566	555.6618	9.208942	9.06855
6618	M519T12	1.132732	-0.17981	-0.9051	0.391885	0.864039	DOWN	519.3901	519.3898	519.3902	11.62774	11.60717
6619	M846T10_	1.090691	-0.12524	-0.90662	0.391887	0.864039	DOWN	846.3426	846.3422	846.343	9.930908	9.827283
6620	M573T10_	1.240449	-0.31086	-0.9297	0.391918	0.864039	DOWN	572.7217	572.7211	572.7221	9.923808	9.8378
6621	M325T10_	1.215526	0.281581	0.939843	0.391929	0.864039	UP	325.3641	325.3637	325.3651	9.846458	9.715683
6622	M152T10_	1.197889	-0.26049	-0.90984	0.392296	0.864039	DOWN	152.0675	152.0674	152.0675	9.956417	9.843367
6623	M335T10_	1.181975	-0.2412	-0.92654	0.392297	0.864039	DOWN	334.6446	334.6443	334.6454	9.830558	9.715683
6624	M672T10_	1.074207	-0.10327	-0.90827	0.392377	0.864039	DOWN	672.3884	672.388	672.3889	9.75365	9.636483
6625	M232T10_	1.295918	0.373974	0.912922	0.392436	0.864039	UP	232.3934	232.3933	232.4062	9.9323	9.827283
6626	M517T11_	2.043293	1.030896	0.945452	0.392509	0.864039	UP	516.9931	516.9912	516.9936	10.92253	10.879
6627	M657T11_	1.137649	-0.18606	-0.90415	0.392545	0.864039	DOWN	656.8972	656.8967	656.8995	10.90519	10.879
6628	M407T11_	1.211028	-0.27623	-0.9039	0.392553	0.864039	DOWN	406.661	406.6605	406.6621	10.95837	10.80695
6629	M459T9_7	1.206785	-0.27117	-0.90434	0.392576	0.864039	DOWN	459.4014	459.4011	459.4017	9.288458	9.129317
6630	M466T11_	1.102145	0.140314	0.908416	0.392633	0.864039	UP	466.3722	466.3685	466.3728	10.89904	10.873
6631	M235T10_	1.106741	-0.14632	-0.90348	0.392723	0.864039	DOWN	234.7242	234.724	234.7242	9.930908	9.827283
6632	M312T12_	2.065441	1.04645	0.953729	0.392748	0.864039	UP	312.2683	312.2682	312.2692	12.42703	12.41563
6633	M274T13	1.133376	-0.18063	-0.91971	0.392794	0.864039	DOWN	274.0837	274.0836	274.0839	13.01866	12.9959
6634	M266T10_	1.249924	0.32184	0.907256	0.392835	0.864039	UP	265.9117	265.9115	265.9123	9.8207	9.78305
6635	M519T9_3	1.350594	-0.43359	-0.90863	0.392901	0.864039	DOWN	518.7112	518.7108	518.7123	9.235175	9.064833
6636	M324T10_	2.340561	1.226854	0.955481	0.392904	0.864039	UP	323.9698	323.9695	323.9699	9.976075	9.9009
6637	M852T9	1.34738	0.430157	0.909161	0.392963	0.864039	UP	851.5471	851.5461	851.5476	8.85555	8.745033
6638	M175T10_	1.427604	0.513596	0.935685	0.393008	0.864039	UP	175.1823	175.1821	175.1826	9.984083	9.859233
6639	M960T11	1.301537	0.380217	0.905849	0.393023	0.864039	UP	960.421	960.4203	960.4227	10.91734	10.85018
6640	M699T10_	1.558998	0.640619	0.93251	0.393139	0.864039	UP	699.25	699.2494	699.2502	9.962617	9.843367
6641	M156T10_	1.374716	-0.45913	-0.90427	0.393164	0.864039	DOWN	155.8171	155.8165	155.8249	9.830783	9.715683
6642	M413T10_	1.198271	-0.26095	-0.91768	0.393248	0.864039	DOWN	413.2959	413.2957	413.296	10.18999	10.10142
6643	M659T10_	1.810028	0.856012	0.902304	0.393257	0.864039	UP	659.0665	659.0646	659.0679	9.912942	9.743767
6644	M240T23	1.08938	0.123507	0.912925	0.39337	0.864039	UP	240.1954	240.1953	240.1955	22.8	22.7845
6645	M355T10_	2.896994	-1.53456	-0.94962	0.393411	0.864039	DOWN	355.237	355.2364	355.246	9.840617	9.684583
6646	M746T20	1.661118	-0.73215	-0.90187	0.393469	0.864039	DOWN	745.5361	745.5355	745.5364	19.894	19.88283
6647	M1398T10	1.156465	-0.20972	-0.9031	0.393511	0.864039	DOWN	1398.341	1398.339	1398.341	9.9014	9.79535
6648	M455T10_	1.399473	0.484884	0.905668	0.393515	0.864039	UP	454.7727	454.7656	454.7737	9.957333	9.59825
6649	M493T10_	1.263934	-0.33792	-0.90163	0.39359	0.864039	DOWN	493.166	493.1655	493.1665	9.8091	9.681183

6650	M460T9_2	2.522979	1.335128	0.954817	0.393596	0.864039	UP	460.1151	460.1148	460.1155	9.16325	9.110833
6651	M432T10_	1.591449	0.670341	0.941667	0.393703	0.86404	UP	432.216	432.2155	432.2165	9.999258	9.8914
6652	M549T11_	1.122676	0.166941	0.902851	0.393726	0.86404	UP	548.5468	548.5467	548.5471	10.92487	10.89125
6653	M310T19	1.826403	0.869005	0.952068	0.393768	0.86404	UP	310.243	310.2378	310.2431	18.63867	18.62883
6654	M355T18_	1.186571	-0.2468	-0.90279	0.393782	0.86404	DOWN	355.2377	355.2376	355.2377	17.584	17.57133
6655	M188T9_1	5.672856	2.504075	0.953979	0.393988	0.86404	UP	188.0548	188.0545	188.0554	9.153992	9.12675
6656	M312T26_	1.430149	-0.51617	-0.90505	0.394029	0.86404	DOWN	312.4856	312.4852	312.486	26.1415	26.09383
6657	M209T10_	1.129736	-0.17599	-0.93692	0.394148	0.86404	DOWN	208.9566	208.9565	208.9568	9.818442	9.699733
6658	M677T10_	1.32631	0.407418	0.903496	0.394228	0.86404	UP	677.371	677.367	677.3718	9.956417	9.827283
6659	M433T10_	1.148884	-0.20023	-0.90652	0.394245	0.86404	DOWN	433.053	433.0437	433.0534	9.965717	9.859233
6660	M728T10_	1.151111	-0.20303	-0.90051	0.394315	0.86404	DOWN	728.3336	728.3322	728.3341	9.830658	9.715683
6661	M352T9_6	1.369467	-0.45361	-0.90381	0.394377	0.86404	DOWN	352.4362	352.4299	352.4365	9.347458	9.1445
6662	M294T16	1.11349	0.155089	0.903568	0.394454	0.86404	UP	294.2061	294.206	294.2064	16.25497	16.21315
6663	M538T9_1	1.298007	-0.3763	-0.89987	0.394489	0.86404	DOWN	537.8043	537.8036	537.8046	9.2529	9.1587
6664	M456T10_	1.170184	-0.22674	-0.90904	0.394536	0.86404	DOWN	456.2721	456.2717	456.2722	9.964092	9.859233
6665	M527T10_	1.392858	-0.47805	-0.90214	0.394639	0.86404	DOWN	527.0422	527.0421	527.0426	9.945208	9.869467
6666	M451T20_	1.25355	-0.32602	-0.91554	0.394654	0.86404	DOWN	451.3637	451.363	451.3644	20.2595	20.245
6667	M404T35	1.265363	-0.33955	-0.952	0.394721	0.86404	DOWN	404.264	404.2637	404.2641	35.094	35.012
6668	M525T9_7	1.629037	0.704019	0.901226	0.394727	0.86404	UP	525.3645	525.3631	525.3654	9.279183	9.160617
6669	M200T10_	1.062441	-0.08738	-0.89932	0.394761	0.86404	DOWN	200.4701	200.47	200.4704	9.857833	9.747533
6670	M549T9_1	1.207833	-0.27242	-0.92333	0.394809	0.86404	DOWN	549.0159	549.0146	549.017	9.18975	9.12675
6671	M447T9_2	1.223308	0.290788	0.901144	0.394809	0.86404	UP	446.8257	446.8241	446.8262	9.292658	9.142767
6672	M381T9_1	1.397733	-0.48309	-0.90613	0.3949	0.86404	DOWN	381.3251	381.3241	381.3286	9.233108	9.129317
6673	M228T11_	1.153041	-0.20544	-0.90018	0.394934	0.86404	DOWN	227.6025	227.6025	227.6027	10.89875	10.879
6674	M336T10_	2.688679	1.426897	0.950503	0.395069	0.86404	UP	335.5266	335.5262	335.5269	9.830283	9.699733
6675	M415T43_	1.25343	0.325882	0.940122	0.395164	0.86404	UP	415.2323	415.232	415.2326	42.769	42.38067
6676	M231T10_	1.106272	-0.14571	-0.90774	0.39517	0.86404	DOWN	230.9541	230.9539	230.9541	9.930908	9.827283
6677	M517T9_2	1.194811	-0.25678	-0.90003	0.39518	0.86404	DOWN	517.0576	517.0562	517.0591	9.257033	9.132267
6678	M295T21_	1.161659	-0.21619	-0.90335	0.395191	0.86404	DOWN	295.1902	295.19	295.1903	21.1075	21.06833
6679	M309T27	1.091016	-0.12567	-0.89869	0.395214	0.86404	DOWN	309.2058	309.2057	309.206	27.16967	27.142
6680	M163T10_	1.259069	-0.33236	-0.89827	0.395279	0.86404	DOWN	163.2131	163.213	163.2131	9.903017	9.811217
6681	M173T10_	1.191372	-0.25262	-0.90108	0.395294	0.86404	DOWN	172.5204	172.5203	172.5207	9.926275	9.811217
6682	M416T10_	1.262118	-0.33585	-0.90637	0.395331	0.86404	DOWN	416.4409	416.4408	416.4411	9.972483	9.8753
6683	M406T21_	9.093192	3.184787	0.95114	0.395391	0.86404	UP	406.2016	406.2014	406.2024	20.89583	20.85467
6684	M1860T10	1.0958	-0.13198	-0.91892	0.395398	0.86404	DOWN	1860.115	1860.114	1860.123	9.843017	9.715683

6685	M777T10_	2.327897	1.219027	0.948901	0.395431	0.86404	UP	776.5131	776.5077	776.5159	9.8322	9.758367
6686	M668T10_	1.292349	0.369996	0.898227	0.395501	0.86404	UP	668.213	668.2126	668.2134	9.999	9.8914
6687	M318T9_8	1.152754	-0.20509	-0.90437	0.395565	0.864041	DOWN	317.8813	317.881	317.8814	8.840483	8.742633
6688	M496T21	1.109972	0.150523	0.900317	0.39575	0.864041	UP	496.3627	496.3625	496.363	21.09842	21.08267
6689	M281T44_	1.098211	-0.13516	-0.91742	0.395766	0.864041	DOWN	281.1744	281.1743	281.1745	44.09233	43.8335
6690	M355T18_	1.193399	-0.25508	-0.91845	0.395772	0.864041	DOWN	355.2377	355.2376	355.2379	18.2505	18.23183
6691	M416T45_	1.179161	0.237761	0.910606	0.395862	0.864041	UP	416.2277	416.2275	416.2278	44.86125	44.56667
6692	M1613T9	1.201264	-0.26455	-0.91836	0.395901	0.864041	DOWN	1613.043	1613.04	1613.048	9.285867	9.129317
6693	M265T24	1.078951	-0.10963	-0.89762	0.395914	0.864041	DOWN	265.1795	265.1794	265.1796	23.8205	23.79017
6694	M572T10_	1.344151	-0.4267	-0.90401	0.395984	0.864041	DOWN	571.9469	571.9465	571.9472	9.887133	9.779267
6695	M777T36	1.716798	-0.77972	-0.90524	0.396232	0.864041	DOWN	776.5739	776.5728	776.5749	35.5665	35.54567
6696	M203T9_4	1.533394	0.616728	0.900738	0.396276	0.864041	UP	203.309	203.3089	203.309	9.424317	9.355317
6697	M1504T10	1.225685	-0.29359	-0.93288	0.396377	0.864041	DOWN	1504.075	1504.073	1504.076	9.914217	9.811217
6698	M524T36	1.070072	0.097708	0.902735	0.396383	0.864041	UP	524.3062	524.306	524.3063	36.1295	35.952
6699	M460T11_	1.161232	-0.21566	-0.91183	0.396446	0.864041	DOWN	459.7587	459.7585	459.7602	10.91183	10.879
6700	M532T11	1.514466	0.598809	0.936087	0.396455	0.864041	UP	531.943	531.9394	531.9439	10.91987	10.879
6701	M553T9_6	1.296911	-0.37508	-0.89593	0.396464	0.864041	DOWN	553.1375	553.1309	553.1385	9.235933	9.129317
6702	M849T11_	1.280392	-0.35659	-0.896	0.396469	0.864041	DOWN	848.6872	848.6856	848.6881	10.6323	10.61512
6703	M203T11_	1.189678	-0.25057	-0.90216	0.396491	0.864041	DOWN	202.5871	202.5869	202.5876	10.89907	10.873
6704	M514T11	1.613379	0.690085	0.942101	0.396503	0.864041	UP	514.3485	514.3483	514.3486	11.39496	11.3806
6705	M235T10_	1.266898	0.341301	0.908617	0.396556	0.864041	UP	234.992	234.9917	234.9922	9.933967	9.8378
6706	M561T10_	1.177841	-0.23614	-0.907	0.396566	0.864041	DOWN	561.3477	561.3471	561.3481	9.591025	9.49445
6707	M760T10_	2.698622	1.432223	0.948253	0.396661	0.864041	UP	760.462	760.456	760.4625	10.15645	9.916767
6708	M535T10_	1.267435	-0.34191	-0.9158	0.3967	0.864041	DOWN	535.0523	535.0518	535.0526	9.514733	9.40135
6709	M287T10_	2.16238	-1.11262	-0.91235	0.396728	0.864041	DOWN	287.4392	287.439	287.4394	9.972483	9.8753
6710	M879T10_	1.201743	0.265129	0.929198	0.396767	0.864041	UP	879.06	879.0585	879.0612	9.964417	9.859233
6711	M307T22_	1.365121	-0.44903	-0.89604	0.396783	0.864041	DOWN	306.646	306.6456	306.6464	21.58792	21.55133
6712	M849T10_	1.327977	-0.40923	-0.91893	0.3968	0.864041	DOWN	849.4472	849.446	849.4477	9.692608	9.5889
6713	M326T9_2	1.332752	0.414408	0.895356	0.396802	0.864041	UP	325.711	325.706	325.7111	9.16125	9.12675
6714	M205T10_	1.729353	0.790232	0.927976	0.396866	0.864041	UP	205.4073	205.4018	205.4129	9.863258	9.636483
6715	M1305T10	1.158874	-0.21272	-0.90502	0.396923	0.864041	DOWN	1304.75	1304.749	1304.752	10.15384	10.06883
6716	M555T27	1.23222	0.30126	0.947335	0.396927	0.864041	UP	555.2772	555.277	555.2776	27.34575	27.08567
6717	M349T10_	1.106793	-0.14639	-0.90477	0.396964	0.864041	DOWN	349.4834	349.4833	349.4837	9.8207	9.699733
6718	M363T9_1	1.132243	-0.17918	-0.89828	0.396973	0.864041	DOWN	363.2377	363.2372	363.238	8.993242	8.892117
6719	M186T10_	1.149892	-0.2015	-0.91351	0.397154	0.864041	DOWN	185.7863	185.7861	185.7901	9.933967	9.816167



6720	M188T11_	1.277924	-0.3538	-0.89468	0.397168	0.864041	DOWN	187.7277	187.7275	187.7284	10.94208	10.8926
6721	M731T10_	1.617204	0.693501	0.94212	0.397191	0.864041	UP	731.0747	731.0739	731.0754	9.941642	9.827283
6722	M1235T20	1.176562	-0.23458	-0.89453	0.397211	0.864041	DOWN	1234.575	1234.574	1234.576	19.67317	19.6345
6723	M208T9_4	1.436479	-0.52254	-0.89674	0.397215	0.864041	DOWN	207.7193	207.7187	207.7203	9.280767	9.132267
6724	M548T9_4	2.304061	1.204179	0.942892	0.397285	0.864041	UP	547.9591	547.9564	547.9596	9.124625	9.06315
6725	M899T10_	1.165224	-0.22061	-0.90296	0.397313	0.864041	DOWN	898.7545	898.7543	898.755	9.957333	9.843367
6726	M359T39	1.154544	0.207323	0.929776	0.397328	0.864041	UP	359.2062	359.2061	359.2065	39.13217	39.0285
6727	M382T10_	1.145783	-0.19633	-0.91689	0.397331	0.864041	DOWN	382.3428	382.3426	382.3431	10.41032	10.35992
6728	M268T11_	1.235997	-0.30567	-0.89402	0.397437	0.864041	DOWN	268.196	268.1957	268.1966	11.49637	11.46837
6729	M222T8	1.226642	-0.29471	-0.89508	0.397548	0.864042	DOWN	222.1253	222.1252	222.1254	7.955633	7.636567
6730	M396T11_	1.352514	-0.43564	-0.92668	0.397587	0.864042	DOWN	396.137	396.1366	396.1374	10.87765	10.8214
6731	M542T11_	1.439242	0.525309	0.910989	0.397635	0.864042	UP	542.2015	542.2005	542.2019	10.86029	10.8214
6732	M480T10_	1.338172	-0.42026	-0.92784	0.397692	0.864042	DOWN	480.2573	480.257	480.2657	9.894392	9.601917
6733	M556T11_	1.23257	-0.30167	-0.89886	0.397768	0.864042	DOWN	555.6685	555.6682	555.6693	10.93708	10.8914
6734	M700T11_	1.124766	-0.16962	-0.89336	0.397846	0.864042	DOWN	700.3443	700.3441	700.3464	10.90519	10.879
6735	M217T10_	1.278082	-0.35398	-0.91105	0.397913	0.864042	DOWN	217.3629	217.3553	217.3634	9.842	9.715683
6736	M931T10_	1.127807	-0.17352	-0.93291	0.397981	0.864042	DOWN	930.7074	930.706	930.7082	9.964092	9.859233
6737	M212T10_	1.14649	-0.19722	-0.90377	0.398024	0.864042	DOWN	212.3151	212.3149	212.3153	9.80915	9.699733
6738	M468T9_3	2.116193	1.081471	0.931708	0.398072	0.864042	UP	468.3983	468.3974	468.3986	8.931725	8.877267
6739	M1179T10	1.248453	-0.32014	-0.91308	0.398093	0.864042	DOWN	1179.341	1179.339	1179.342	9.895025	9.811217
6740	M810T10_	1.213531	-0.27921	-0.91644	0.398115	0.864042	DOWN	809.6213	809.6206	809.622	9.972483	9.859233
6741	M545T13	1.169656	-0.22608	-0.89616	0.398127	0.864042	DOWN	545.3943	545.3932	545.3949	12.62401	12.61608
6742	M395T19_	1.134228	-0.18171	-0.90056	0.398161	0.864042	DOWN	395.3172	395.3169	395.3174	18.95925	18.943
6743	M248T11_	1.146167	-0.19682	-0.89669	0.398201	0.864042	DOWN	248.0883	248.0882	248.0885	10.90519	10.879
6744	M270T19_	1.211045	-0.27625	-0.89549	0.398218	0.864042	DOWN	270.1849	270.1849	270.1851	19.038	19.02383
6745	M233T10_	1.217019	-0.28335	-0.92346	0.398248	0.864042	DOWN	232.6059	232.597	232.6068	9.968642	9.843367
6746	M640T10_	4.096989	2.034564	0.944576	0.39825	0.864042	UP	640.448	640.4469	640.4488	9.8207	9.715683
6747	M396T9_3	2.558002	-1.35502	-0.9328	0.398254	0.864042	DOWN	395.7703	395.7664	395.7723	9.167733	9.1011
6748	M602T10_	2.601739	1.379476	0.943395	0.398268	0.864042	UP	602.0311	602.0308	602.0349	9.826875	9.73145
6749	M786T10_	1.215531	-0.28159	-0.90279	0.398343	0.864042	DOWN	785.9565	785.954	785.9571	10.23882	10.13887
6750	M261T10_	1.354178	0.437418	0.939679	0.398452	0.864042	UP	261.4304	261.4301	261.4305	9.967367	9.859233
6751	M527T9_1	1.46793	-0.55378	-0.90126	0.398488	0.864042	DOWN	527.2664	527.2654	527.2669	9.475667	9.355317
6752	M695T10_	1.599944	0.678022	0.900732	0.398535	0.864042	UP	695.2785	695.278	695.2788	9.816183	9.715683
6753	M1410T10	1.265962	0.340234	0.912689	0.398621	0.864042	UP	1410.112	1410.107	1410.114	9.925417	9.859233
6754	M271T10_	1.122533	0.166757	0.926199	0.398654	0.864042	UP	271.4858	271.4857	271.4862	9.864467	9.73145

6755	M382T36	1.22775	0.296017	0.930113	0.398711	0.864042	UP	382.2432	382.2431	382.2434	36.184	35.89133
6756	M628T10_	1.211715	-0.27705	-0.93327	0.398724	0.864042	DOWN	627.6401	627.6389	627.6409	9.965792	9.859233
6757	M310T10_	1.09517	-0.13116	-0.90358	0.398808	0.864042	DOWN	310.4783	310.4782	310.4784	9.933	9.827283
6758	M1854T10	1.360554	0.444194	0.907393	0.398894	0.864042	UP	1854.024	1854.021	1854.024	9.964333	9.8914
6759	M669T10	1.616139	0.692551	0.931829	0.399016	0.864042	UP	669.4518	669.4512	669.4525	9.888733	9.743767
6760	M244T14_	1.470194	0.556007	0.924521	0.399141	0.864042	UP	244.1905	244.1904	244.1906	14.30463	14.28207
6761	M309T10_	1.292262	0.369898	0.893559	0.399166	0.864042	UP	308.8038	308.8011	308.804	9.953592	9.859233
6762	M352T10_	3.623586	1.857418	0.942323	0.399261	0.864042	UP	352.1819	352.1815	352.1821	9.9351	9.843367
6763	M340T9_1	1.690388	0.757354	0.892325	0.3993	0.864042	UP	339.609	339.6083	339.6091	9.37615	9.275917
6764	M1670T10	1.165784	-0.2213	-0.89051	0.399328	0.864042	DOWN	1670.265	1670.262	1670.268	9.810233	9.715683
6765	M332T10_	1.193301	-0.25496	-0.91496	0.399331	0.864042	DOWN	332.2352	332.235	332.236	9.830558	9.715683
6766	M700T10_	1.371803	0.456073	0.931626	0.399343	0.864042	UP	699.9641	699.9638	699.9646	9.830283	9.715683
6767	M396T38	1.121625	-0.16559	-0.89818	0.399567	0.864043	DOWN	396.2226	396.2223	396.2227	37.60417	37.41717
6768	M189T9_1	1.336738	-0.41872	-0.88974	0.399571	0.864043	DOWN	189.2856	189.2848	189.2864	9.22495	9.160617
6769	M474T37_	1.281975	-0.35837	-0.92357	0.399579	0.864043	DOWN	474.2694	474.2693	474.2697	36.57425	36.38117
6770	M511T11	1.17351	-0.23083	-0.89377	0.399648	0.864043	DOWN	510.6031	510.6029	510.6038	10.892	10.8646
6771	M305T9_2	1.623783	-0.69936	-0.88999	0.399724	0.864043	DOWN	304.8726	304.8724	304.8729	9.2796	9.234417
6772	M1486T10	1.682029	-0.7502	-0.89164	0.399732	0.864043	DOWN	1486.462	1486.461	1486.463	9.880533	9.857983
6773	M357T10_	1.213497	0.27917	0.92842	0.399767	0.864043	UP	356.9125	356.9122	356.9127	9.842908	9.715683
6774	M436T23	6.11452	-2.61224	-0.94072	0.399814	0.864043	DOWN	436.3051	436.304	436.306	22.66883	22.655
6775	M257T10_	1.158798	-0.21263	-0.89734	0.399844	0.864043	DOWN	256.6887	256.6885	256.6889	9.968992	9.859233
6776	M205T10_	1.729169	0.790079	0.926696	0.399853	0.864043	UP	205.3661	205.366	205.3663	9.857983	9.787633
6777	M729T11_	1.167669	-0.22363	-0.88977	0.399889	0.864043	DOWN	729.11	729.1091	729.1103	10.87704	10.85018
6778	M188T9_1	2.349932	1.232619	0.941117	0.399906	0.864043	UP	188.0704	188.0703	188.0705	8.735275	8.6529
6779	M177T10_	1.22997	-0.29862	-0.9212	0.399919	0.864043	DOWN	176.5017	176.5016	176.5018	9.95825	9.843367
6780	M224T10_	1.292751	0.370445	0.901349	0.399927	0.864043	UP	224.2989	224.2986	224.2991	9.985733	9.8753
6781	M376T10_	1.354014	0.437243	0.906118	0.400012	0.864043	UP	376.0538	376.0466	376.054	9.972917	9.856867
6782	M283T10_	1.164998	-0.22033	-0.9375	0.40003	0.864043	DOWN	282.9284	282.9282	282.9286	9.83535	9.715683
6783	M461T14	1.155355	0.208337	0.919804	0.400073	0.864043	UP	461.298	461.2968	461.2983	14.41346	14.29718
6784	M388T11_	2.063571	1.045143	0.938924	0.400078	0.864043	UP	388.2488	388.2484	388.2524	10.94208	10.8646
6785	M194T9_1	1.438583	-0.52465	-0.8896	0.400132	0.864043	DOWN	194.4959	194.4957	194.4963	9.2946	9.22495
6786	M676T10_	1.179152	-0.23775	-0.90448	0.400135	0.864043	DOWN	676.4849	676.4821	676.4854	10.25295	10.18238
6787	M428T9_6	1.197785	-0.26037	-0.88826	0.400327	0.864043	DOWN	428.2797	428.2785	428.28	9.275617	9.1445
6788	M851T25	1.342226	0.424628	0.897103	0.400348	0.864043	UP	851.3984	851.3971	851.399	24.59467	24.59233
6789	M781T10_	1.182295	-0.24159	-0.89074	0.400396	0.864043	DOWN	781.4395	781.4385	781.4427	9.858833	9.827283

6790	M1104T10	1.189709	0.250609	0.922448	0.400455	0.864043	UP	1103.941	1103.938	1103.943	9.772833	9.636483
6791	M355T10_	1.239784	-0.31009	-0.91595	0.400459	0.864043	DOWN	354.606	354.6057	354.6062	9.92825	9.827283
6792	M651T10_	1.120657	-0.16435	-0.92155	0.400459	0.864043	DOWN	650.5927	650.5917	650.593	9.801833	9.699733
6793	M1002T11	1.821403	0.86505	0.930862	0.400527	0.864043	UP	1002.405	1002.404	1002.407	10.95835	10.90785
6794	M156T10_	1.256375	-0.32927	-0.90591	0.400571	0.864043	DOWN	156.1472	156.1466	156.1476	9.84525	9.715683
6795	M231T10_	1.323758	0.404639	0.889363	0.400601	0.864043	UP	231.0038	231.0038	231.0039	9.938708	9.827283
6796	M1959T10	1.138551	-0.1872	-0.90928	0.40063	0.864043	DOWN	1959.265	1959.263	1959.268	9.8397	9.715683
6797	M1329T10	1.274842	-0.35032	-0.89338	0.400778	0.864043	DOWN	1328.781	1328.778	1328.783	9.959533	9.843367
6798	M402T11_	1.388021	-0.47303	-0.89422	0.400869	0.864043	DOWN	402.4572	402.4507	402.4583	10.84767	10.8214
6799	M587T10_	1.784033	0.835142	0.931419	0.400953	0.864043	UP	587.376	587.3756	587.3763	9.967367	9.843367
6800	M741T10_	1.168848	-0.22509	-0.90168	0.401016	0.864043	DOWN	741.4285	741.427	741.4291	10.09153	10.02755
6801	M679T28	1.366084	0.450046	0.900696	0.401066	0.864043	UP	679.4024	679.4014	679.4027	27.52533	27.45433
6802	M704T10_	3.657536	-1.87087	-0.93566	0.401069	0.864043	DOWN	703.646	703.6456	703.6463	9.8207	9.7124
6803	M459T11_	1.226179	-0.29417	-0.90801	0.401086	0.864043	DOWN	459.2772	459.2738	459.2788	10.95022	10.91977
6804	M253T11_	1.215883	-0.282	-0.89587	0.401149	0.864043	DOWN	253.494	253.4938	253.4946	10.86264	10.84487
6805	M848T25_	1.155278	-0.20824	-0.88659	0.401165	0.864043	DOWN	847.6185	847.618	847.619	25.37592	25.36183
6806	M891T26	1.206144	-0.2704	-0.88652	0.401204	0.864043	DOWN	890.6414	890.6411	890.6419	25.9535	25.924
6807	M214T10_	1.896427	0.923284	0.933217	0.401256	0.864043	UP	214.0414	214.0413	214.0415	9.746783	9.636483
6808	M1755T10	1.219404	-0.28618	-0.89558	0.401265	0.864043	DOWN	1755.431	1755.427	1755.436	9.952358	9.843367
6809	M301T11_	1.230847	-0.29965	-0.8989	0.401273	0.864043	DOWN	300.933	300.9326	300.9333	10.8926	10.83417
6810	M326T10_	3.709649	1.891283	0.938102	0.401275	0.864043	UP	325.9076	325.9073	325.908	9.81635	9.715683
6811	M1039T26	1.284456	-0.36116	-0.90825	0.40129	0.864043	DOWN	1038.715	1038.715	1038.716	26.33683	26.30333
6812	M236T10_	2.018597	1.013353	0.934928	0.401299	0.864043	UP	236.4412	236.441	236.4413	9.948875	9.827283
6813	M343T10_	1.474966	0.560682	0.934788	0.401307	0.864043	UP	343.4074	343.4072	343.4079	9.8397	9.73145
6814	M489T10_	1.153544	0.206073	0.890094	0.401392	0.864043	UP	489.0652	489.0575	489.0656	9.960817	9.7565
6815	M457T21	1.347058	0.429812	0.906286	0.4014	0.864044	UP	457.1577	457.1572	457.1584	20.99317	20.9685
6816	M699T9_5	1.237216	-0.3071	-0.89863	0.401406	0.864044	DOWN	699.4372	699.4369	699.4376	9.331083	9.234417
6817	M327T9_7	1.69872	-0.76445	-0.89388	0.401493	0.864044	DOWN	327.3558	327.3555	327.3562	8.873867	8.8486
6818	M513T11_	1.162281	-0.21696	-0.9025	0.401496	0.864044	DOWN	513.3784	513.378	513.379	10.90519	10.879
6819	M389T9_2	1.611981	-0.68884	-0.88584	0.401558	0.864044	DOWN	389.0686	389.0683	389.0687	9.488133	9.416817
6820	M342T10_	1.236329	-0.30606	-0.90837	0.401588	0.864044	DOWN	341.8297	341.8293	341.8298	9.825492	9.715683
6821	M563T10_	1.358397	-0.4419	-0.89742	0.401615	0.864044	DOWN	562.6254	562.6176	562.6259	9.977042	9.842
6822	M489T7	1.431719	0.517748	0.923	0.40162	0.864044	UP	489.3037	489.3036	489.3043	7.488017	7.470417
6823	M433T9_1	1.297824	-0.3761	-0.88572	0.401662	0.864044	DOWN	433.1806	433.1802	433.1818	9.315258	9.234417
6824	M474T44_	1.439677	0.525745	0.929076	0.401669	0.864044	UP	474.2693	474.2691	474.2695	43.7185	43.31567

6825	M339T10_	1.181489	-0.24061	-0.89204	0.401751	0.864044	DOWN	339.2137	339.2136	339.2142	9.832367	9.7124
6826	M395T10_	1.207772	-0.27235	-0.90715	0.401868	0.864044	DOWN	395.0888	395.0883	395.089	9.94785	9.843367
6827	M382T43_	1.208596	-0.27333	-0.8852	0.401874	0.864044	DOWN	382.2433	382.2431	382.2435	42.73308	42.38067
6828	M249T10_	1.482525	0.568056	0.885234	0.401874	0.864044	UP	248.7967	248.7964	248.8067	9.756575	9.665433
6829	M380T10_	1.085941	-0.11895	-0.88719	0.401908	0.864044	DOWN	379.5635	379.5631	379.5643	9.924308	9.811217
6830	M208T14	1.960961	0.971561	0.929981	0.401915	0.864044	UP	208.1692	208.1689	208.1694	14.2922	14.2675
6831	M1976T10	1.177031	-0.23515	-0.89409	0.401916	0.864044	DOWN	1976.081	1976.08	1976.087	9.843017	9.73145
6832	M344T10_	1.521042	0.60506	0.931828	0.402024	0.864044	UP	343.5485	343.5483	343.549	9.830083	9.73145
6833	M635T12_	1.138461	-0.18708	-0.88496	0.402054	0.864044	DOWN	635.4744	635.4738	635.4747	12.47252	12.47083
6834	M849T11_	1.955152	0.967281	0.929054	0.402071	0.864044	UP	848.6438	848.6422	848.6447	10.9183	10.89355
6835	M397T12_	1.110717	-0.15149	-0.88475	0.402105	0.864044	DOWN	397.3616	397.3615	397.3618	11.60615	11.59273
6836	M863T22	1.209448	-0.27435	-0.89651	0.402137	0.864044	DOWN	862.6102	862.6098	862.6107	21.95283	21.929
6837	M695T10_	1.461097	0.547052	0.904314	0.402312	0.864044	UP	695.2154	695.2146	695.2161	9.9754	9.8914
6838	M433T9_6	1.142728	-0.19248	-0.88447	0.402316	0.864044	DOWN	432.9142	432.9137	432.9153	9.294408	9.129317
6839	M677T11_	1.192954	-0.25454	-0.88475	0.40235	0.864044	DOWN	677.3095	677.3093	677.3098	10.892	10.8646
6840	M570T34	1.148448	-0.19969	-0.89965	0.402381	0.864044	DOWN	570.4209	570.4204	570.421	33.6725	33.672
6841	M413T10_	1.142123	-0.19172	-0.90156	0.402408	0.864044	DOWN	412.7288	412.7286	412.729	9.948875	9.843367
6842	M541T9_2	1.235012	-0.30453	-0.89423	0.402538	0.864044	DOWN	540.5941	540.5938	540.595	9.146875	9.126783
6843	M1159T10	1.295607	-0.37363	-0.88903	0.402588	0.864044	DOWN	1159.396	1159.395	1159.397	9.956417	9.843367
6844	M386T10_	3.571322	1.836458	0.932427	0.402633	0.864044	UP	386.2648	386.2643	386.2652	9.507933	9.40135
6845	M341T10_	1.141283	-0.19066	-0.91259	0.402679	0.864044	DOWN	340.9702	340.97	340.9703	9.857275	9.73145
6846	M303T11_	1.189641	-0.25053	-0.88605	0.402707	0.864044	DOWN	303.2696	303.2694	303.2698	10.892	10.8646
6847	M293T10_	1.217223	-0.28359	-0.90884	0.402708	0.864044	DOWN	292.6596	292.6594	292.6597	9.984083	9.8753
6848	M318T9_1	1.931702	0.949872	0.929956	0.402745	0.864044	UP	318.1309	318.1306	318.1311	9.3332	9.234417
6849	M256T40	1.128403	0.174282	0.88426	0.402754	0.864044	UP	256.2631	256.2631	256.2635	39.87742	39.84867
6850	M527T9_6	1.307289	-0.38658	-0.90128	0.402828	0.864044	DOWN	526.8701	526.8636	526.8707	9.272133	9.1322
6851	M321T20	3.762325	-1.91162	-0.93314	0.402835	0.864044	DOWN	321.2269	321.2267	321.227	19.59175	19.555
6852	M216T10_	1.232155	-0.30118	-0.88964	0.402883	0.864044	DOWN	215.8259	215.8258	215.826	9.82645	9.743667
6853	M847T25_	1.167913	-0.22393	-0.88324	0.402891	0.864044	DOWN	846.6153	846.6147	846.6154	25.36183	25.3575
6854	M191T11_	1.160195	-0.21437	-0.89175	0.402919	0.864044	DOWN	190.9951	190.9951	190.9953	10.892	10.8646
6855	M343T10_	1.476391	0.562075	0.931515	0.402929	0.864044	UP	343.0643	343.0642	343.0649	9.8397	9.73145
6856	M542T10_	1.293999	-0.37184	-0.91141	0.402993	0.864044	DOWN	542.3547	542.3537	542.3552	9.872067	9.806367
6857	M728T10_	1.188774	-0.24947	-0.89069	0.403153	0.864044	DOWN	727.6098	727.6094	727.6104	9.960817	9.859233
6858	M525T9_6	2.551308	-1.35124	-0.93299	0.403168	0.864044	DOWN	525.3032	525.3023	525.3037	9.184025	9.04725
6859	M520T43_	1.602371	-0.68021	-0.93099	0.40338	0.864044	DOWN	520.3112	520.311	520.3115	43.07117	42.79783

6860	M484T19	1.178833	-0.23736	-0.88528	0.403467	0.864045	DOWN	484.3891	484.3886	484.3895	18.77625	18.76167
6861	M462T10_	1.190288	-0.25131	-0.89706	0.403606	0.864045	DOWN	461.7564	461.7561	461.7567	9.967367	9.859233
6862	M198T10_	1.400034	-0.48546	-0.88836	0.403622	0.864045	DOWN	198.1703	198.1669	198.1752	9.888325	9.822117
6863	M289T9_1	1.23523	-0.30478	-0.88264	0.403676	0.864045	DOWN	288.688	288.6879	288.6883	8.840483	8.745033
6864	M247T11_	1.290129	-0.36751	-0.88806	0.403684	0.864045	DOWN	246.7351	246.7343	246.7353	10.9049	10.87765
6865	M1290T10	1.424767	0.510726	0.907912	0.403688	0.864045	UP	1290.168	1290.163	1290.17	9.954767	9.8914
6866	M228T10_	1.523834	-0.60771	-0.88364	0.40375	0.864045	DOWN	228.3655	228.3653	228.3788	9.903092	9.79535
6867	M386T9_1	1.438692	-0.52476	-0.88233	0.40376	0.864045	DOWN	385.6208	385.6207	385.621	9.429367	9.40135
6868	M237T10_	1.33357	0.415294	0.888901	0.403777	0.864045	UP	236.9557	236.9555	236.9557	9.960817	9.843367
6869	M718T9_4	1.080752	0.112035	0.889568	0.403795	0.864045	UP	718.4606	718.4598	718.462	8.872883	8.772383
6870	M540T37_	1.30555	-0.38466	-0.89795	0.403964	0.864045	DOWN	540.4253	540.4249	540.4254	37.01483	37.01417
6871	M267T10_	1.199684	0.262654	0.891122	0.403967	0.864045	UP	267.271	267.2709	267.2713	9.790617	9.6681
6872	M173T10_	1.322937	0.403745	0.914928	0.404009	0.864045	UP	173.2537	173.2536	173.2537	9.841442	9.715683
6873	M1129T10	1.262325	0.336083	0.881937	0.404013	0.864045	UP	1129.17	1129.169	1129.17	9.743767	9.65225
6874	M466T10_	1.102186	0.140368	0.88249	0.404152	0.864045	UP	466.3532	466.353	466.3534	9.794492	9.683817
6875	M289T9_4	1.28881	-0.36604	-0.88314	0.404173	0.864045	DOWN	289.1522	289.1521	289.1524	8.8398	8.77435
6876	M475T21	2.082458	1.058288	0.884466	0.404191	0.864045	UP	475.2661	475.266	475.2666	20.60667	20.59117
6877	M721T36	1.186397	0.246587	0.889882	0.404288	0.864045	UP	721.4709	721.4707	721.4712	36.12558	36.1075
6878	M655T9_2	1.210593	-0.27571	-0.88049	0.40442	0.864045	DOWN	655.0955	655.086	655.0962	9.298683	9.130683
6879	M225T10_	1.262675	-0.33648	-0.89019	0.404483	0.864045	DOWN	225.4628	225.4626	225.4629	9.930908	9.8378
6880	M341T9_1	1.130081	-0.17643	-0.8801	0.404538	0.864045	DOWN	340.6942	340.6938	340.6943	9.250817	9.129317
6881	M351T10_	1.704552	0.769393	0.91831	0.404547	0.864045	UP	351.0317	351.0241	351.0319	9.956867	9.840617
6882	M618T10_	2.195289	1.134411	0.924869	0.404566	0.864045	UP	617.7649	617.7633	617.7684	9.8207	9.715683
6883	M1011T13	1.224662	-0.29238	-0.91828	0.404665	0.864045	DOWN	1010.502	1010.502	1010.503	13.40538	13.37562
6884	M407T10_	1.238971	-0.30914	-0.8802	0.404717	0.864045	DOWN	406.5086	406.5083	406.5096	9.823575	9.699733
6885	M406T39	1.257511	0.330571	0.892063	0.404783	0.864045	UP	406.207	406.2066	406.2074	38.76983	38.61133
6886	M434T9_6	1.66124	0.73226	0.884284	0.40482	0.864045	UP	433.7637	433.7593	433.7729	9.301008	9.145433
6887	M564T9_1	1.212738	-0.27827	-0.89062	0.40487	0.864045	DOWN	563.6937	563.693	563.6948	9.297858	9.1011
6888	M674T31_	2.055861	-1.03974	-0.91014	0.404887	0.864045	DOWN	673.991	673.9906	673.9918	31.436	31.3925
6889	M468T10_	1.124489	-0.16927	-0.89432	0.404959	0.864045	DOWN	468.3618	468.3615	468.3624	9.6277	9.52595
6890	M318T29_	1.313284	-0.39318	-0.88168	0.404967	0.864045	DOWN	317.6305	317.6303	317.6306	29.0405	29.02017
6891	M849T10_	1.396418	0.481731	0.882775	0.404991	0.864045	UP	848.556	848.5553	848.557	10.14225	10.09153
6892	M858T11	1.301515	-0.38019	-0.89925	0.405113	0.864045	DOWN	857.5331	857.5324	857.5344	10.71178	10.70448
6893	M1112T10	1.183365	0.242895	0.899011	0.405138	0.864045	UP	1111.905	1111.905	1111.907	9.8362	9.732983
6894	M936T26	1.290054	-0.36743	-0.87908	0.405142	0.864045	DOWN	935.671	935.67	935.672	25.97017	25.93817

6895	M820T11_	1.319995	-0.40053	-0.89337	0.405143	0.864045	DOWN	820.495	820.4949	820.4956	10.92593	10.8926
6896	M662T9_2	1.265233	-0.3394	-0.89045	0.405253	0.864045	DOWN	662.253	662.2518	662.2536	9.331083	9.234417
6897	M857T10_	1.553783	0.635785	0.922405	0.405258	0.864045	UP	856.7775	856.7768	856.7782	9.958617	9.843367
6898	M470T9_8	2.008029	1.00578	0.925062	0.405295	0.864045	UP	470.3699	470.3696	470.37	8.779867	8.686867
6899	M187T11	1.168046	0.224097	0.904527	0.405318	0.864045	UP	187.4324	187.4323	187.4329	10.92208	10.89125
6900	M356T10_	2.873183	1.52265	0.927176	0.405387	0.864045	UP	356.2414	356.2412	356.2415	10.44474	10.37598
6901	M219T11_	1.141905	-0.19144	-0.88198	0.405431	0.864046	DOWN	218.7897	218.7896	218.7898	10.89904	10.879
6902	M333T10_	8.5944	-3.1034	-0.92808	0.405552	0.864046	DOWN	332.7644	332.7635	332.7648	9.856867	9.683817
6903	M366T10_	1.433111	0.519151	0.8995	0.405631	0.864046	UP	366.1976	366.1926	366.1978	9.948825	9.840617
6904	M396T10_	1.222199	-0.28948	-0.8953	0.405672	0.864046	DOWN	395.738	395.7276	395.7383	9.874067	9.571683
6905	M471T9_6	1.223876	-0.29146	-0.90585	0.405696	0.864046	DOWN	471.2524	471.2519	471.2551	9.25985	9.041133
6906	M258T10_	1.332852	-0.41452	-0.88509	0.405701	0.864046	DOWN	258.4867	258.4867	258.4867	9.803	9.77435
6907	M596T9	1.363961	-0.4478	-0.88108	0.405751	0.864046	DOWN	596.0015	596.0013	596.002	9.359942	9.234417
6908	M373T20_	1.490797	-0.57608	-0.88194	0.405787	0.864046	DOWN	373.2712	373.2708	373.2716	20.37483	20.34667
6909	M519T21	1.274662	0.350115	0.877567	0.405791	0.864046	UP	519.292	519.291	519.2922	21.09925	21.06517
6910	M243T10_	1.208439	-0.27314	-0.90237	0.405812	0.864046	DOWN	242.8133	242.8132	242.8134	9.825492	9.699733
6911	M655T10_	1.19939	0.262301	0.916317	0.405827	0.864046	UP	654.6398	654.6393	654.6416	9.838842	9.73145
6912	M678T20	1.258567	-0.33178	-0.87748	0.406029	0.864046	DOWN	678.4172	678.417	678.4181	19.66125	19.555
6913	M151T42_	1.110468	-0.15117	-0.88781	0.406081	0.864046	DOWN	151.1115	151.1114	151.1116	41.80383	41.69033
6914	M422T10_	1.12615	-0.1714	-0.91626	0.406086	0.864046	DOWN	422.386	422.3852	422.3863	9.97155	9.859233
6915	M339T10_	1.100951	0.13875	0.885907	0.406119	0.864046	UP	338.6826	338.6823	338.6828	9.836042	9.699733
6916	M431T10_	1.378101	0.462681	0.891913	0.406177	0.864046	UP	430.5966	430.5963	430.5968	9.967367	9.859233
6917	M271T11_	1.134272	-0.18177	-0.88099	0.406261	0.864046	DOWN	271.0782	271.0781	271.0784	10.90519	10.879
6918	M734T9	1.277018	-0.35278	-0.89342	0.406271	0.864046	DOWN	734.3474	734.3469	734.3479	9.3332	9.234417
6919	M444T10_	3.292062	1.718991	0.926587	0.406277	0.864046	UP	444.1827	444.1825	444.183	9.9744	9.859233
6920	M820T11_	1.145617	-0.19612	-0.88165	0.406282	0.864046	DOWN	819.6723	819.6719	819.6728	10.892	10.8646
6921	M728T10_	1.443155	0.529226	0.924989	0.406306	0.864046	UP	727.723	727.7213	727.7236	9.8397	9.715683
6922	M439T11_	1.286426	-0.36337	-0.87889	0.406318	0.864046	DOWN	438.5767	438.5763	438.578	10.91743	10.879
6923	M1969T10	1.372561	0.456871	0.898179	0.406325	0.864046	UP	1968.881	1968.878	1968.883	9.831925	9.715683
6924	M204T10_	1.614162	0.690785	0.923739	0.406358	0.864046	UP	204.1046	204.1045	204.1047	9.960817	9.859233
6925	M1559T10	2.378096	1.249807	0.921895	0.406391	0.864046	UP	1558.74	1558.738	1558.743	9.958217	9.843367
6926	M213T10_	2.142084	1.099015	0.877751	0.406405	0.864046	UP	213.2175	213.2173	213.2264	9.919675	9.853533
6927	M1153T10	1.563788	0.645045	0.923973	0.406502	0.864046	UP	1152.874	1152.873	1152.875	9.751483	9.634283
6928	M208T10_	1.442369	0.52844	0.893593	0.406522	0.864046	UP	208.3774	208.3772	208.3782	9.830558	9.728083
6929	M398T10_	1.184945	-0.24482	-0.87665	0.406614	0.864046	DOWN	397.9934	397.993	397.9937	9.887133	9.79535

6930	M800T32	1.211239	-0.27648	-0.87568	0.40677	0.864046	DOWN	799.5189	799.5185	799.5195	32.25775	32.243
6931	M599T10_	1.182567	-0.24192	-0.88327	0.406773	0.864046	DOWN	599.1943	599.1934	599.1946	9.958617	9.843367
6932	M420T10_	1.157102	-0.21052	-0.87744	0.406893	0.864046	DOWN	420.4223	420.4219	420.4226	9.902008	9.79535
6933	M729T10_	1.219728	-0.28656	-0.89933	0.406943	0.864046	DOWN	729.3952	729.3951	729.3954	9.8207	9.699733
6934	M447T13	1.571688	0.652315	0.900916	0.406971	0.864046	UP	447.2926	447.2924	447.2929	12.70533	12.64667
6935	M462T44	1.169972	-0.22647	-0.90998	0.40698	0.864046	DOWN	462.2694	462.2693	462.2696	43.73267	43.474
6936	M863T21	1.191084	-0.25227	-0.87943	0.407001	0.864046	DOWN	862.6101	862.6096	862.6105	21.33667	21.3025
6937	M820T22	1.140529	-0.1897	-0.8841	0.407075	0.864046	DOWN	819.5874	819.5869	819.5881	21.86833	21.8415
6938	M1036T10_	1.242378	-0.3131	-0.87665	0.407166	0.864046	DOWN	1035.851	1035.85	1035.852	9.840617	9.715683
6939	M703T10_	1.64164	0.715138	0.87737	0.407189	0.864046	UP	703.4811	703.4771	703.4816	10.45116	10.36125
6940	M777T10_	2.242742	1.165264	0.922411	0.407203	0.864046	UP	776.6243	776.6206	776.6251	9.811408	9.715683
6941	M332T9_8	1.270964	-0.34592	-0.88742	0.407232	0.864046	DOWN	332.1872	332.187	332.1874	9.3332	9.234417
6942	M564T37_	1.078703	-0.1093	-0.91978	0.40724	0.864046	DOWN	564.3011	564.301	564.3016	37.43883	37.4315
6943	M389T10_	1.273859	-0.34921	-0.87818	0.407261	0.864046	DOWN	388.5442	388.5439	388.5442	9.894875	9.79535
6944	M384T9_7	1.308735	-0.38817	-0.88242	0.407338	0.864046	DOWN	384.4869	384.4866	384.4877	8.94795	8.8486
6945	M626T10_	1.158806	-0.21264	-0.87447	0.407366	0.864046	DOWN	626.3877	626.3875	626.3893	9.967367	9.859233
6946	M359T10_	1.467208	0.553073	0.921751	0.407406	0.864046	UP	359.3646	359.3643	359.3647	9.8397	9.73145
6947	M264T11_	1.169617	-0.22604	-0.87714	0.407457	0.864047	DOWN	264.4398	264.4397	264.4402	10.87704	10.85018
6948	M413T11_	1.440898	-0.52697	-0.87815	0.407697	0.864047	DOWN	412.7493	412.7392	412.7509	10.8914	10.89125
6949	M193T11_	1.150754	-0.20258	-0.87412	0.407773	0.864047	DOWN	193.2391	193.239	193.2393	10.89907	10.8646
6950	M599T10_	2.193597	1.133298	0.917554	0.407878	0.864047	UP	599.4358	599.4338	599.4371	9.587217	9.49445
6951	M694T10_	1.130823	-0.17737	-0.87308	0.408064	0.864047	DOWN	693.5278	693.526	693.5281	10.12955	10.03658
6952	M479T11_	1.128429	-0.17432	-0.87368	0.40829	0.864047	DOWN	478.5004	478.5	478.5007	10.892	10.8646
6953	M658T10_	1.234319	-0.30372	-0.8753	0.408296	0.864047	DOWN	658.4125	658.4118	658.4131	10.16418	10.06883
6954	M622T45	1.224674	0.292398	0.877742	0.408302	0.864047	UP	622.3434	622.3432	622.3436	44.79675	44.6385
6955	M341T11_	1.208663	-0.27341	-0.89667	0.408315	0.864047	DOWN	340.6688	340.6687	340.6691	10.90548	10.88995
6956	M619T10_	1.214837	0.280763	0.89798	0.408428	0.864047	UP	618.9649	618.964	618.9652	9.98345	9.8753
6957	M348T10_	1.172157	0.229166	0.873068	0.408572	0.864047	UP	347.9591	347.9587	347.9602	9.831517	9.728083
6958	M820T13	1.259271	-0.33259	-0.9103	0.40871	0.864047	DOWN	820.418	820.4177	820.4183	13.20113	13.18635
6959	M221T10_	3.063001	1.614946	0.916371	0.408821	0.864047	UP	221.2135	221.2132	221.2139	9.946367	9.779267
6960	M364T10_	1.575227	0.655559	0.902615	0.40886	0.864047	UP	364.4192	364.4191	364.4198	9.801833	9.73145
6961	M502T10_	1.378122	0.462704	0.899501	0.40892	0.864047	UP	502.069	502.0687	502.0753	9.93625	9.859233
6962	M622T40	1.059001	0.082704	0.899371	0.409006	0.864047	UP	622.3434	622.3432	622.3437	39.99967	39.8485
6963	M363T8	1.38274	-0.46753	-0.87243	0.409016	0.864047	DOWN	363.1985	363.1984	363.1989	7.576167	7.44795
6964	M537T11_	1.134496	0.182051	0.879617	0.409062	0.864047	UP	536.9974	536.9944	536.9985	10.53485	10.15473

6965	M384T9_4	1.426957	-0.51294	-0.87628	0.409236	0.864047	DOWN	384.2037	384.2024	384.21	9.264333	9.11795
6966	M655T10_	1.460451	0.546414	0.897458	0.409395	0.864047	UP	654.6188	654.6129	654.6192	9.946367	9.715683
6967	M771T10_	1.290337	-0.36775	-0.87519	0.409474	0.864047	DOWN	771.4573	771.457	771.4576	10.45817	10.39197
6968	M200T9_2	1.2939	-0.37173	-0.87029	0.40959	0.864048	DOWN	200.4916	200.491	200.4922	9.183058	9.1322
6969	M293T17	1.293347	-0.37111	-0.87655	0.409616	0.864048	DOWN	293.1357	293.1357	293.1358	17.14392	17.07417
6970	M1099T10	1.377499	-0.46205	-0.88778	0.409638	0.864048	DOWN	1098.634	1098.634	1098.635	10.14543	10.03658
6971	M348T16	1.195235	-0.25729	-0.89043	0.409674	0.864048	DOWN	348.2141	348.214	348.2144	16.24793	16.21315
6972	M167T9_5	1.743908	0.802324	0.893605	0.409694	0.864048	UP	166.7692	166.769	166.7693	9.146692	9.095133
6973	M278T10_	1.630576	0.705382	0.909686	0.409714	0.864048	UP	278.4628	278.4623	278.4628	9.979667	9.8914
6974	M373T9_7	1.987822	0.991189	0.904014	0.409753	0.864048	UP	373.4864	373.4861	373.4868	9.2873	9.10275
6975	M349T9_3	1.798479	-0.84678	-0.90839	0.409763	0.864048	DOWN	348.6001	348.5993	348.6024	9.175692	9.095133
6976	M212T11_	1.304117	-0.38307	-0.87767	0.409832	0.864048	DOWN	212.1551	212.1528	212.1554	10.90553	10.84395
6977	M684T10_	1.611645	0.688534	0.914963	0.40984	0.864048	UP	683.5787	683.5785	683.5789	9.830283	9.7124
6978	M575T10_	1.33225	0.413865	0.893639	0.409894	0.864048	UP	575.1635	575.1632	575.1638	9.967367	9.859233
6979	M184T11_	1.205459	0.269583	0.876182	0.409903	0.864048	UP	183.9583	183.958	183.9587	10.93208	10.89355
6980	M394T10_	1.177329	-0.23552	-0.87246	0.409955	0.864048	DOWN	393.8714	393.8713	393.8716	9.957333	9.8753
6981	M264T18	1.324351	-0.40529	-0.88272	0.409979	0.864048	DOWN	264.1354	264.1348	264.1358	18.0745	18.05517
6982	M272T11_	1.116461	-0.15893	-0.86974	0.409987	0.864048	DOWN	271.5927	271.5926	271.5929	10.90519	10.879
6983	M397T10_	1.828097	-0.87034	-0.87051	0.410059	0.864048	DOWN	396.6707	396.6706	396.6709	9.88865	9.79535
6984	M532T9	1.249703	-0.32159	-0.89713	0.410061	0.864048	DOWN	531.8358	531.8356	531.8361	9.304558	9.175017
6985	M156T10_	1.421595	-0.50751	-0.87541	0.410086	0.864048	DOWN	155.9302	155.9265	155.9333	9.84845	9.7124
6986	M352T9_1	1.309255	0.388746	0.876808	0.410125	0.864048	UP	351.5774	351.5773	351.5776	8.735017	8.623117
6987	M447T9_4	1.254005	-0.32654	-0.87968	0.410142	0.864048	DOWN	447.3934	447.3933	447.3942	9.330283	9.234417
6988	M254T9_4	1.456259	0.542267	0.904913	0.410207	0.864048	UP	254.3535	254.3533	254.3543	9.475667	9.40135
6989	M1871T10	1.844897	0.88354	0.910325	0.410219	0.864048	UP	1870.89	1870.89	1870.896	9.82645	9.7634
6990	M655T10_	1.159722	0.213779	0.87012	0.410386	0.864048	UP	655.0094	655.0087	655.0101	9.821275	9.7124
6991	M160T10_	1.244244	-0.31527	-0.87181	0.410485	0.864048	DOWN	159.8559	159.8558	159.856	9.915583	9.811217
6992	M517T11_	1.235581	-0.30519	-0.86969	0.410489	0.864048	DOWN	516.8803	516.8799	516.8813	10.90659	10.879
6993	M450T11_	1.118221	-0.1612	-0.86851	0.410496	0.864048	DOWN	450.4502	450.45	450.4509	10.89904	10.879
6994	M368T10_	1.350808	-0.43382	-0.87353	0.41056	0.864048	DOWN	367.7208	367.7157	367.721	9.915633	9.843367
6995	M429T22_	1.238613	-0.30873	-0.86949	0.410561	0.864048	DOWN	428.9017	428.9012	428.9021	21.568	21.54367
6996	M511T10_	1.181552	-0.24068	-0.88591	0.410572	0.864048	DOWN	511.3082	511.308	511.3085	9.975217	9.8753
6997	M561T10_	1.542048	-0.62485	-0.86959	0.410685	0.864048	DOWN	560.9479	560.9474	560.948	9.88815	9.859667
6998	M203T10_	1.236871	-0.3067	-0.90919	0.410848	0.864048	DOWN	203.2297	203.2296	203.2298	9.842	9.715683
6999	M534T38_	1.110079	0.150662	0.876824	0.410929	0.864048	UP	534.2906	534.2905	534.2911	38.13683	38.07967



7000	M337T12	1.193826	-0.25559	-0.87295	0.410965	0.864048	DOWN	337.2962	337.296	337.2964	12.2964	12.28105
7001	M290T9_1	1.427566	-0.51356	-0.86872	0.411015	0.864048	DOWN	289.5235	289.5233	289.5237	8.952283	8.89395
7002	M579T10_	1.159025	-0.21291	-0.86961	0.411035	0.864048	DOWN	579.4967	579.4965	579.4969	9.956417	9.843367
7003	M571T10_	1.456751	-0.54275	-0.87925	0.41109	0.864048	DOWN	571.175	571.1743	571.1754	9.887133	9.806367
7004	M492T31	1.291445	0.368986	0.888029	0.411202	0.864048	UP	492.2799	492.2798	492.2801	30.52442	30.469
7005	M317T22	1.280308	0.356491	0.91455	0.411279	0.864048	UP	317.1721	317.1717	317.1722	22.0595	22.05333
7006	M353T9_2	1.234682	0.304139	0.872823	0.411349	0.864048	UP	353.3788	353.3783	353.3791	8.856267	8.7891
7007	M385T10_	1.912824	-0.9357	-0.8702	0.411355	0.864048	DOWN	385.4395	385.4374	385.4483	9.8322	9.816167
7008	M275T10_	1.176838	-0.23492	-0.86687	0.411427	0.864048	DOWN	275.0775	275.0774	275.0777	9.972833	9.8914
7009	M696T26	1.424518	-0.51047	-0.86648	0.411467	0.864048	DOWN	695.986	695.985	695.9863	26.31667	26.247
7010	M341T10_	3.72548	-1.89743	-0.91366	0.411483	0.864048	DOWN	340.5984	340.598	340.5985	9.857683	9.73145
7011	M1847T10	1.273079	-0.34832	-0.87474	0.411517	0.864048	DOWN	1846.584	1846.583	1846.586	9.811408	9.715683
7012	M396T37	1.270808	0.345746	0.870991	0.411606	0.864049	UP	396.2225	396.2223	396.2227	36.9565	36.684
7013	M368T10_	1.877688	0.908958	0.91139	0.411623	0.864049	UP	368.1625	368.1619	368.1628	9.766367	9.758367
7014	M150T10_	1.401977	0.487462	0.904211	0.411656	0.864049	UP	150.048	150.0433	150.0483	9.806367	9.76065
7015	M525T26	1.712655	0.776235	0.886275	0.411728	0.864049	UP	525.2795	525.2788	525.2803	26.35725	26.319
7016	M301T10_	1.191982	-0.25336	-0.88835	0.411739	0.864049	DOWN	300.6456	300.6455	300.6458	9.933	9.827283
7017	M787T11_	1.211341	-0.2766	-0.87853	0.411848	0.864049	DOWN	787.0274	787.0272	787.0302	10.90519	10.879
7018	M474T9_6	2.492053	1.317335	0.886229	0.41186	0.864049	UP	474.2912	474.2833	474.2946	9.219483	9.110833
7019	M685T10_	1.173789	-0.23117	-0.88283	0.411943	0.864049	DOWN	684.542	684.5416	684.5423	9.825767	9.715683
7020	M212T10_	1.145944	-0.19654	-0.8713	0.411987	0.864049	DOWN	212.0133	212.0132	212.0134	9.970617	9.859233
7021	M253T11_	1.192474	-0.25396	-0.87802	0.412035	0.864049	DOWN	252.6485	252.6398	252.6487	10.90659	10.879
7022	M504T12	1.23654	0.306309	0.89757	0.41204	0.864049	UP	504.2909	504.2905	504.2922	12.22327	12.20977
7023	M397T10_	1.188806	-0.24951	-0.86849	0.412069	0.864049	DOWN	397.2809	397.2807	397.2811	9.954767	9.859233
7024	M571T10_	1.270817	-0.34576	-0.89513	0.412082	0.864049	DOWN	570.9252	570.9238	570.9256	9.938708	9.843367
7025	M229T10_	1.217644	-0.28409	-0.86572	0.412113	0.864049	DOWN	229.2285	229.2283	229.2286	9.916617	9.811217
7026	M478T18_	1.089767	-0.12402	-0.87422	0.412156	0.864049	DOWN	478.3521	478.352	478.3524	17.52692	17.51067
7027	M663T10_	1.21448	-0.28034	-0.87291	0.412398	0.864049	DOWN	662.7791	662.7784	662.7796	9.830733	9.715683
7028	M260T9_2	1.327608	0.40883	0.888588	0.412454	0.864049	UP	259.6511	259.6501	259.6512	9.382183	9.36515
7029	M448T13	1.635063	0.709346	0.906305	0.412507	0.864049	UP	448.2959	448.2956	448.2961	12.73325	12.69008
7030	M527T9_1	1.379562	0.46421	0.883426	0.412673	0.864049	UP	527.3641	527.3638	527.3647	8.7401	8.6152
7031	M416T11_	1.126248	-0.17152	-0.87456	0.412721	0.864049	DOWN	415.5991	415.599	415.6004	10.90519	10.879
7032	M911T10_	1.408561	-0.49422	-0.86852	0.412731	0.864049	DOWN	911.4852	911.4849	911.4867	9.81635	9.810767
7033	M302T24	1.131573	-0.17833	-0.87659	0.412816	0.864049	DOWN	302.2687	302.2685	302.2688	24.48967	24.463
7034	M227T9_1	1.352271	-0.43538	-0.89845	0.412817	0.864049	DOWN	227.1753	227.1752	227.1802	8.820225	8.686867

7035	M489T10_	1.568422	0.649314	0.899079	0.412841	0.864049	UP	488.568	488.5677	488.5683	9.809892	9.649833
7036	M331T10_	1.236792	0.306603	0.902806	0.412914	0.864049	UP	331.2094	331.2093	331.2107	10.14385	9.848417
7037	M663T10_	1.32462	0.405578	0.90031	0.413001	0.864049	UP	663.4497	663.4489	663.4516	9.856867	9.73145
7038	M269T10_	1.308234	-0.38762	-0.87654	0.413016	0.864049	DOWN	268.7214	268.7213	268.7215	9.956417	9.843367
7039	M649T10_	1.151129	-0.20305	-0.86901	0.413093	0.864049	DOWN	649.2711	649.2678	649.2714	9.8235	9.632083
7040	M533T31	1.139184	-0.188	-0.88979	0.413104	0.864049	DOWN	533.3876	533.3872	533.3878	31.45167	31.43567
7041	M263T11_	1.206176	-0.27044	-0.87237	0.413106	0.864049	DOWN	263.4898	263.4893	263.4942	10.90765	10.877
7042	M237T9_4	1.363189	-0.44699	-0.88999	0.413412	0.864049	DOWN	237.0931	237.0917	237.0946	9.304717	9.1322
7043	M541T37_	1.258635	0.33186	0.867682	0.413421	0.864049	UP	541.4143	541.4137	541.4144	37.0725	37.02917
7044	M546T9_3	1.349471	-0.43239	-0.86294	0.413448	0.864049	DOWN	545.6833	545.6812	545.6839	9.13835	9.12675
7045	M432T26_	1.174016	0.231452	0.877465	0.413476	0.864049	UP	431.8081	431.8072	431.8087	25.565	25.526
7046	M532T39	1.228683	0.297113	0.90999	0.413544	0.864049	UP	532.3111	532.3111	532.3116	38.669	38.56817
7047	M489T10_	1.575153	0.655492	0.894147	0.413548	0.864049	UP	489.2997	489.2993	489.3006	9.75365	9.636483
7048	M268T10_	1.583503	0.66312	0.89253	0.413555	0.864049	UP	267.5459	267.5453	267.5461	9.969158	9.859233
7049	M1181T10	1.285804	-0.36267	-0.86814	0.413577	0.864049	DOWN	1181.166	1181.163	1181.171	9.8887	9.74925
7050	M508T25	1.950015	-0.96349	-0.87287	0.413618	0.864049	DOWN	508.3455	508.3453	508.3459	24.60933	24.59233
7051	M195T10_	3.799765	1.92591	0.906488	0.413667	0.864049	UP	194.5572	194.5567	194.5574	9.507167	9.346
7052	M301T11_	1.371987	0.456267	0.875529	0.413683	0.86405	UP	301.3899	301.3889	301.3903	10.86155	10.82935
7053	M309T14_	1.32184	0.402547	0.8842	0.413692	0.86405	UP	309.1307	309.1305	309.1308	14.0342	13.78533
7054	M365T10_	1.597487	0.675805	0.901319	0.41372	0.86405	UP	364.6511	364.6502	364.6515	9.818525	9.696683
7055	M316T37_	1.105193	-0.1443	-0.87923	0.413743	0.86405	DOWN	316.1752	316.1751	316.1754	37.137	36.986
7056	M589T10_	1.317251	-0.39753	-0.8768	0.413757	0.86405	DOWN	589.4129	589.4123	589.4145	9.964167	9.859233
7057	M761T11	1.161554	-0.21606	-0.86344	0.413796	0.86405	DOWN	761.3293	761.3291	761.3301	10.892	10.8646
7058	M422T23	1.244328	0.315367	0.872214	0.413948	0.86405	UP	422.3471	422.3466	422.3476	22.8135	22.8
7059	M719T10_	2.160582	1.11142	0.910124	0.414105	0.86405	UP	718.6285	718.6279	718.6291	9.81635	9.715683
7060	M723T10_	1.351227	0.43427	0.872544	0.414208	0.86405	UP	723.0506	723.0491	723.0543	9.975142	9.843367
7061	M717T10_	1.369855	0.454023	0.905838	0.414222	0.86405	UP	717.4669	717.4664	717.4672	9.844267	9.715683
7062	M705T10_	1.159115	-0.21302	-0.8611	0.414266	0.86405	DOWN	705.4174	705.4167	705.418	10.29022	10.19852
7063	M749T10_	1.135483	-0.18331	-0.86925	0.414421	0.86405	DOWN	749.4442	749.4437	749.4451	10.40409	10.32952
7064	M384T11_	1.219987	-0.28687	-0.86519	0.414484	0.86405	DOWN	384.1909	384.1907	384.1911	10.89355	10.88747
7065	M1000T10	1.730889	-0.79151	-0.87231	0.414512	0.86405	DOWN	1000.061	1000.061	1000.062	9.9351	9.853533
7066	M291T9_8	1.174237	-0.23172	-0.87246	0.414535	0.86405	DOWN	291.1514	291.1507	291.1524	9.189242	9.1445
7067	M348T10_	1.403159	0.488678	0.908842	0.414573	0.86405	UP	347.6442	347.644	347.6443	9.825767	9.7124
7068	M883T9	1.169067	-0.22536	-0.86103	0.414589	0.86405	DOWN	882.5702	882.5686	882.5705	8.96255	8.892117
7069	M1174T10	1.228176	-0.29652	-0.86644	0.414623	0.86405	DOWN	1174.413	1174.412	1174.414	9.8322	9.699733

7070	M177T10_	1.210473	-0.27557	-0.88642	0.414652	0.86405	DOWN	176.689	176.6888	176.689	9.960817	9.859233
7071	M557T17	1.17969	-0.23841	-0.86743	0.414658	0.86405	DOWN	557.2202	557.2195	557.2209	17.41667	17.3795
7072	M609T10_	1.136135	-0.18413	-0.86471	0.41472	0.86405	DOWN	609.1359	609.135	609.1364	9.9149	9.79535
7073	M654T11_	1.140942	-0.19022	-0.86599	0.414744	0.86405	DOWN	654.0772	654.0768	654.0778	10.90548	10.879
7074	M322T10_	1.507416	0.592078	0.879185	0.414747	0.86405	UP	321.7097	321.7096	321.7205	9.92825	9.827283
7075	M438T9_6	1.324344	0.405278	0.899368	0.414809	0.86405	UP	438.1094	438.1089	438.1101	9.457083	9.189117
7076	M172T10_	1.450445	0.536495	0.901224	0.414874	0.86405	UP	172.0686	172.0539	172.0687	9.824183	9.7124
7077	M698T10_	1.18369	-0.24329	-0.8613	0.414886	0.86405	DOWN	698.013	698.0123	698.0137	9.958617	9.843367
7078	M632T11_	1.180811	-0.23978	-0.85978	0.414975	0.86405	DOWN	631.9659	631.9651	631.9671	10.89308	10.88747
7079	M232T11_	1.228619	0.297038	0.861781	0.414982	0.86405	UP	231.8588	231.8586	231.859	10.89839	10.88995
7080	M523T10_	1.197186	-0.25965	-0.88882	0.41501	0.86405	DOWN	522.8271	522.8228	522.828	9.520558	9.374083
7081	M616T10_	1.178177	-0.23656	-0.86569	0.41512	0.86405	DOWN	615.5337	615.5328	615.5345	9.923808	9.827283
7082	M411T10_	1.197784	-0.26037	-0.86823	0.415162	0.86405	DOWN	410.9641	410.9635	410.9643	9.962617	9.843367
7083	M528T10_	1.268764	-0.34342	-0.86751	0.415203	0.86405	DOWN	527.6613	527.6598	527.6639	10.26124	10.13368
7084	M416T9_5	1.266378	-0.34071	-0.88615	0.415266	0.86405	DOWN	416.0972	416.0967	416.0985	9.365833	9.03845
7085	M659T10_	1.625185	0.700604	0.862633	0.415319	0.86405	UP	658.5688	658.5598	658.5701	9.82145	9.759383
7086	M1335T11	1.257461	-0.33051	-0.86411	0.415354	0.86405	DOWN	1335.444	1335.443	1335.445	10.93097	10.89355
7087	M298T10_	1.278053	-0.35395	-0.88356	0.41536	0.86405	DOWN	298.2068	298.2058	298.2069	10.40874	10.34372
7088	M282T10_	1.177165	-0.23532	-0.88771	0.41543	0.86405	DOWN	281.8552	281.8551	281.8553	9.825767	9.715683
7089	M334T9_1	1.228012	-0.29632	-0.85921	0.415613	0.86405	DOWN	333.5014	333.4993	333.5033	9.287625	9.146383
7090	M328T10_	1.268753	-0.34341	-0.87077	0.415629	0.86405	DOWN	327.5608	327.5606	327.5612	9.8214	9.7124
7091	M183T10_	1.208472	-0.27318	-0.86522	0.415644	0.86405	DOWN	183.0501	183.05	183.0502	9.979667	9.8753
7092	M228T11_	1.240042	-0.31039	-0.85898	0.415652	0.86405	DOWN	227.8085	227.8082	227.8086	10.93708	10.89125
7093	M254T10_	1.226869	-0.29498	-0.86372	0.415738	0.86405	DOWN	254.0742	254.074	254.0744	9.766308	9.636483
7094	M609T9_5	1.251606	-0.32378	-0.88417	0.415797	0.864051	DOWN	609.3097	609.3089	609.31	9.063425	9.056733
7095	M324T9_7	1.411912	0.49765	0.882305	0.415818	0.864051	UP	324.0324	324.0218	324.0325	9.424667	9.09495
7096	M810T10_	1.161877	0.216457	0.859442	0.415912	0.864051	UP	809.9457	809.9451	809.9464	10.2654	10.18238
7097	M373T23_	2.121869	1.085335	0.899723	0.415921	0.864051	UP	373.2409	373.2329	373.2413	23.05975	23.04533
7098	M399T10_	1.233638	0.302919	0.889483	0.415933	0.864051	UP	399.2489	399.2486	399.2493	10.15933	10.06883
7099	M548T9_2	1.243319	-0.3142	-0.85917	0.41596	0.864051	DOWN	547.775	547.7741	547.7815	9.240392	9.1445
7100	M353T17_	1.378789	-0.4634	-0.86738	0.415967	0.864051	DOWN	353.1569	353.1568	353.1569	16.724	16.57833
7101	M322T9_4	1.887277	-0.91631	-0.86072	0.41606	0.864051	DOWN	322.0935	322.0934	322.0936	9.340717	9.275917
7102	M362T9_4	1.315544	-0.39566	-0.87127	0.416082	0.864051	DOWN	362.1642	362.1641	362.1754	9.300733	9.24215
7103	M532T40_	1.137822	0.186274	0.899838	0.41619	0.864051	UP	532.3114	532.3111	532.3116	39.5825	39.33067
7104	M541T11_	1.216324	-0.28253	-0.88359	0.416241	0.864051	DOWN	541.0938	541.0935	541.0947	10.90548	10.879

7105	M460T10_	1.559429	0.641017	0.873595	0.416245	0.864051	UP	459.692	459.6918	459.6924	9.970617	9.885167
7106	M282T11_	1.271813	0.346887	0.87486	0.416282	0.864051	UP	282.3515	282.3512	282.3529	10.93338	10.85838
7107	M387T10_	1.348332	0.431175	0.85732	0.416293	0.864051	UP	387.0138	387.0107	387.0147	9.950258	9.853533
7108	M497T9_1	3.014345	1.591844	0.904823	0.416341	0.864051	UP	496.5628	496.5612	496.5638	9.303167	9.129317
7109	M239T11_	2.115336	1.080887	0.902209	0.416349	0.864051	UP	239.1446	239.1443	239.1446	10.50278	10.485
7110	M243T11_	1.154813	-0.20766	-0.8571	0.416421	0.864051	DOWN	243.1148	243.1148	243.1151	10.90522	10.879
7111	M1345T10	2.462731	1.300259	0.900924	0.416438	0.864051	UP	1345.281	1345.278	1345.282	9.954217	9.8753
7112	M537T10_	1.195012	-0.25703	-0.85843	0.416567	0.864051	DOWN	537.4917	537.4907	537.4935	9.929783	9.811217
7113	M360T10_	1.4723	0.558071	0.901357	0.416593	0.864051	UP	359.8836	359.8833	359.8837	9.8397	9.73145
7114	M816T10_	1.219248	0.285991	0.888425	0.416611	0.864051	UP	816.1358	816.1336	816.1364	9.967367	9.8753
7115	M1011T10	1.267724	-0.34224	-0.8565	0.416642	0.864051	DOWN	1010.605	1010.603	1010.606	9.532267	9.447617
7116	M579T11_	1.124984	-0.1699	-0.86488	0.416731	0.864051	DOWN	579.3338	579.3328	579.3344	11.39598	11.37367
7117	M657T10_	1.100615	0.13831	0.88092	0.416746	0.864051	UP	656.727	656.7264	656.7286	9.8397	9.715683
7118	M615T10_	1.579314	-0.6593	-0.86266	0.416764	0.864051	DOWN	615.3225	615.3222	615.3232	9.956417	9.869467
7119	M756T12	1.49446	0.579624	0.894767	0.4168	0.864051	UP	756.4871	756.4867	756.4876	11.99948	11.98813
7120	M399T18	1.457613	0.543608	0.898764	0.417101	0.864051	UP	399.2638	399.2635	399.264	18.4235	18.40833
7121	M181T10_	1.376481	-0.46098	-0.85722	0.417223	0.864051	DOWN	181.0773	181.0766	181.0773	9.9351	9.811217
7122	M367T10_	1.899481	-0.92561	-0.87854	0.417229	0.864051	DOWN	366.6635	366.6596	366.6671	9.975308	9.885167
7123	M269T30	1.575015	0.655366	0.857064	0.417236	0.864051	UP	269.208	269.2078	269.2082	29.7465	29.73233
7124	M309T37	1.030148	-0.04285	-0.88173	0.4173	0.864051	DOWN	309.2787	309.2784	309.2787	37.09208	37.069
7125	M371T10_	1.506231	0.590944	0.89911	0.417373	0.864051	UP	371.2339	371.2241	371.2373	9.6048	9.553017
7126	M454T37_	1.038073	-0.05391	-0.88264	0.417382	0.864051	DOWN	454.2643	454.2642	454.2646	36.93533	36.75583
7127	M510T11_	1.249748	0.321638	0.866198	0.417522	0.864051	UP	510.4932	510.4924	510.4934	10.88982	10.85018
7128	M687T10_	1.299691	0.378169	0.856934	0.417578	0.864051	UP	686.6586	686.6585	686.6619	9.91765	9.811217
7129	M526T9_4	1.40538	-0.49096	-0.85618	0.417582	0.864051	DOWN	526.2917	526.2913	526.2919	8.95495	8.872733
7130	M390T11_	1.190545	0.251622	0.863315	0.417689	0.864051	UP	390.374	390.3737	390.3743	10.892	10.879
7131	M372T23_	1.277795	-0.35366	-0.85558	0.417692	0.864051	DOWN	372.4669	372.4667	372.4671	22.70517	22.66867
7132	M226T12_	1.208148	-0.2728	-0.85973	0.417697	0.864051	DOWN	226.1077	226.1076	226.1079	12.38317	12.36843
7133	M158T10_	1.153778	-0.20637	-0.86884	0.417706	0.864051	DOWN	157.5826	157.5824	157.5828	9.968992	9.859233
7134	M435T25	1.459245	0.545222	0.863899	0.418093	0.864052	UP	434.8577	434.8574	434.8578	24.59358	24.5795
7135	M253T11_	1.137765	-0.1862	-0.85725	0.4181	0.864052	DOWN	252.8887	252.8886	252.8889	10.90519	10.879
7136	M412T24	1.553767	0.63577	0.890438	0.418102	0.864052	UP	412.3264	412.3257	412.327	24.03	23.982
7137	M394T19	1.085524	-0.11839	-0.85793	0.418152	0.864052	DOWN	394.314	394.3137	394.3142	18.96117	18.951
7138	M891T11_	1.34539	0.428024	0.853567	0.41817	0.864052	UP	891.491	891.4858	891.4927	10.94044	10.75312
7139	M723T9_1	1.209134	-0.27397	-0.85876	0.418214	0.864052	DOWN	722.6626	722.6619	722.6633	9.19135	9.12675

7140	M769T12_	1.290493	-0.36792	-0.8556	0.418277	0.864052	DOWN	769.0712	769.0698	769.0715	12.21748	12.20977
7141	M457T9_2	1.122931	-0.16727	-0.85347	0.418279	0.864052	DOWN	456.9457	456.9452	456.9459	9.294408	9.129317
7142	M342T9_3	1.755457	0.811847	0.853469	0.418282	0.864052	UP	341.9434	341.9302	341.9437	9.352183	9.304717
7143	M196T9_6	1.537352	-0.62045	-0.85764	0.418293	0.864052	DOWN	196.0072	196.0071	196.0073	9.075083	9.04725
7144	M1110T10	1.426559	0.51254	0.88572	0.418298	0.864052	UP	1109.906	1109.906	1109.908	9.754208	9.743767
7145	M620T40	1.079165	0.109916	0.897012	0.418403	0.864052	UP	620.3642	620.3637	620.3645	39.82717	39.604
7146	M684T10_	1.117776	-0.16063	-0.86143	0.418412	0.864052	DOWN	684.4975	684.4969	684.4976	9.825767	9.715683
7147	M395T10_	1.198846	-0.26165	-0.87243	0.418524	0.864052	DOWN	394.9005	394.9004	394.9006	9.94785	9.843367
7148	M323T17	1.324521	-0.40547	-0.85287	0.418548	0.864052	DOWN	323.1464	323.1463	323.1465	17.14117	17.08867
7149	M261T9_5	1.202642	-0.26621	-0.89803	0.418568	0.864052	DOWN	261.2062	261.206	261.2063	9.469225	9.370583
7150	M568T7	1.33168	-0.41325	-0.86205	0.418602	0.864052	DOWN	568.3295	568.3289	568.3298	7.124633	7.08535
7151	M312T10_	1.657279	0.728817	0.894499	0.418629	0.864052	UP	312.4011	312.3884	312.4013	9.82645	9.728083
7152	M293T10_	1.153048	-0.20545	-0.85953	0.418634	0.864052	DOWN	293.4235	293.4233	293.4238	9.948875	9.843367
7153	M489T10_	1.310143	-0.38972	-0.89012	0.418635	0.864052	DOWN	488.7452	488.7449	488.7453	9.8207	9.699733
7154	M882T30	1.368182	-0.45226	-0.86756	0.418639	0.864052	DOWN	881.6241	881.6236	881.625	30.18017	30.15217
7155	M473T10_	1.68595	-0.75356	-0.86176	0.418683	0.864052	DOWN	473.3246	473.3236	473.3292	9.599133	9.420133
7156	M472T9_5	1.207804	-0.27239	-0.87818	0.418727	0.864052	DOWN	472.044	472.043	472.0444	9.280767	9.207667
7157	M182T9_7	1.478787	0.564415	0.852949	0.418739	0.864052	UP	182.1842	182.1838	182.1848	9.175017	9.1175
7158	M1083T11	1.247217	0.318713	0.888015	0.418752	0.864052	UP	1082.707	1082.702	1082.709	10.91813	10.87487
7159	M1554T10	1.18931	-0.25013	-0.85328	0.418832	0.864052	DOWN	1553.984	1553.977	1553.987	9.9118	9.843367
7160	M438T42	1.130282	0.176683	0.894243	0.418913	0.864052	UP	438.2693	438.2692	438.2695	41.77633	41.60383
7161	M416T42_	1.217052	-0.28339	-0.89246	0.418983	0.864052	DOWN	416.2276	416.2274	416.2278	41.80508	41.7335
7162	M197T10_	1.311784	0.39153	0.881827	0.419215	0.864052	UP	197.1894	197.1893	197.1896	9.933967	9.843367
7163	M179T10_	1.177882	-0.23619	-0.88483	0.419267	0.864052	DOWN	179.2421	179.242	179.2421	9.908417	9.79535
7164	M531T34	1.149473	-0.20097	-0.87699	0.419326	0.864052	DOWN	531.3498	531.3497	531.35	33.74425	33.72983
7165	M206T9_1	2.16877	-1.11688	-0.89385	0.419365	0.864052	DOWN	205.8901	205.8878	205.891	9.264333	9.103733
7166	M710T31	1.125875	-0.17105	-0.87636	0.419367	0.864052	DOWN	710.4955	710.4954	710.4962	31.34192	31.32283
7167	M476T7	1.422794	-0.50873	-0.88208	0.419372	0.864052	DOWN	476.3278	476.3275	476.328	6.989483	6.8236
7168	M581T9_1	1.334602	-0.41641	-0.85184	0.419386	0.864052	DOWN	581.218	581.2135	581.2202	9.167283	9.103733
7169	M358T11_	1.230586	-0.29935	-0.8563	0.419568	0.864052	DOWN	358.1472	358.1463	358.1475	10.892	10.85018
7170	M359T10_	1.328889	0.41022	0.863532	0.41959	0.864052	UP	358.754	358.7538	358.7543	9.95825	9.843367
7171	M406T10_	1.231456	-0.30036	-0.8643	0.419738	0.864052	DOWN	406.4407	406.4406	406.4408	9.514733	9.40135
7172	M193T9_6	1.149242	0.200682	0.877237	0.41979	0.864052	UP	193.1384	193.1383	193.1467	8.90715	8.7654
7173	M283T10_	1.250363	-0.32235	-0.85585	0.419825	0.864052	DOWN	283.4449	283.4447	283.4454	9.940783	9.827283
7174	M448T10_	1.349156	-0.43206	-0.85153	0.419831	0.864052	DOWN	448.4672	448.4666	448.4677	9.903017	9.827283

7175	M243T42	1.253117	-0.32552	-0.86866	0.419839	0.864052	DOWN	243.1224	243.1223	243.1225	42.1355	41.791
7176	M908T22	1.212466	-0.27794	-0.88393	0.419862	0.864052	DOWN	907.6396	907.6389	907.6402	22.03333	22.00917
7177	M1401T10	1.267859	-0.34239	-0.8863	0.419898	0.864052	DOWN	1401.306	1401.305	1401.309	9.945208	9.853533
7178	M473T9_2	1.193391	-0.25507	-0.85195	0.419916	0.864052	DOWN	472.8174	472.817	472.8179	9.304717	9.129317
7179	M372T10_	1.507622	0.592274	0.875301	0.419991	0.864052	UP	372.0173	372.016	372.0175	9.801833	9.699733
7180	M177T10_	1.215597	-0.28167	-0.86022	0.420019	0.864052	DOWN	176.5561	176.556	176.5562	9.970617	9.859233
7181	M324T10_	1.3126	0.392428	0.860191	0.420136	0.864053	UP	324.0107	324.0101	324.0112	9.984083	9.8753
7182	M505T9_7	1.276341	-0.35201	-0.84997	0.420168	0.864053	DOWN	505.4588	505.4582	505.46	9.299842	9.130683
7183	M202T9_1	1.278337	-0.35427	-0.8572	0.420335	0.864053	DOWN	202.1444	202.1436	202.1451	9.300108	9.18975
7184	M340T10_	3.239753	-1.69588	-0.89227	0.420452	0.864053	DOWN	339.5839	339.5807	339.5843	9.864875	9.747533
7185	M573T10_	1.23101	-0.29984	-0.87614	0.420464	0.864053	DOWN	573.2463	573.2456	573.2466	9.9351	9.843367
7186	M676T9_2	1.659847	0.73105	0.892525	0.420517	0.864053	UP	675.669	675.6601	675.6693	9.496283	9.40135
7187	M387T10_	1.285011	-0.36178	-0.88039	0.420544	0.864053	DOWN	387.0717	387.0649	387.0719	9.901375	9.811217
7188	M363T9_5	1.341448	-0.42379	-0.84925	0.420632	0.864053	DOWN	362.7365	362.7347	362.7387	9.190317	9.142767
7189	M228T11_	1.183258	0.242765	0.851976	0.420642	0.864053	UP	228.4229	228.414	228.4231	10.8914	10.873
7190	M888T10_	2.388615	1.256174	0.891473	0.420693	0.864053	UP	888.0925	888.0916	888.0929	9.9677	9.946367
7191	M346T9_4	1.301074	-0.3797	-0.85718	0.420705	0.864053	DOWN	345.8589	345.8587	345.8591	9.3332	9.234417
7192	M662T10_	1.296483	-0.3746	-0.84857	0.420785	0.864053	DOWN	662.209	662.2082	662.2094	9.842	9.78305
7193	M562T10_	1.096427	-0.13281	-0.84873	0.420785	0.864053	DOWN	561.8715	561.8709	561.8717	9.954767	9.859233
7194	M874T10_	1.969834	0.978074	0.892299	0.420785	0.864053	UP	873.6601	873.6594	873.6611	9.93625	9.827283
7195	M268T10_	1.542182	0.624973	0.87422	0.420793	0.864053	UP	268.313	268.3127	268.3132	9.964258	9.843367
7196	M173T10_	1.143634	-0.19363	-0.87352	0.420906	0.864053	DOWN	173.2963	173.2962	173.2964	9.847542	9.73145
7197	M199T44	1.341276	-0.42361	-0.8764	0.420908	0.864053	DOWN	199.1326	199.1325	199.1327	44.03467	43.83333
7198	M323T26_	1.283494	-0.36008	-0.84809	0.421054	0.864053	DOWN	323.2413	323.2411	323.2415	26.01425	25.89433
7199	M255T10_	1.167047	-0.22286	-0.84897	0.421117	0.864053	DOWN	254.9567	254.9565	254.9568	9.964092	9.853533
7200	M301T9_5	1.54294	0.625682	0.849065	0.421131	0.864053	UP	301.3335	301.3333	301.3335	9.438675	9.38595
7201	M205T10_	1.348987	-0.43188	-0.85053	0.421222	0.864053	DOWN	204.5846	204.5839	204.5848	9.823575	9.715683
7202	M193T10_	1.36915	0.45328	0.850655	0.421464	0.864053	UP	192.6269	192.6268	192.6269	9.983467	9.843367
7203	M224T11_	1.169531	0.22593	0.864536	0.421471	0.864053	UP	224.3589	224.3586	224.3591	10.89193	10.87487
7204	M451T9_9	1.949798	-0.96332	-0.85886	0.421522	0.864053	DOWN	451.3287	451.3278	451.3294	9.132467	8.93705
7205	M578T39	1.137558	0.18594	0.861987	0.421531	0.864053	UP	578.317	578.3167	578.3174	38.75525	38.51067
7206	M728T10_	1.322043	-0.40277	-0.85805	0.42154	0.864053	DOWN	728.1872	728.1856	728.1886	9.967367	9.885167
7207	M451T11_	1.324636	0.405596	0.854312	0.421566	0.864053	UP	451.038	451.0379	451.0388	10.94538	10.90012
7208	M363T9_1	1.650294	-0.72272	-0.85108	0.421608	0.864053	DOWN	363.3585	363.3565	363.3597	9.2468	9.103733
7209	M421T9_4	1.951569	0.964635	0.888693	0.421667	0.864053	UP	421.2422	421.2417	421.2433	8.985233	8.872967

7210	M415T9_8	1.462114	-0.54806	-0.84956	0.421722	0.864053	DOWN	415.254	415.2525	415.2542	8.941383	8.745983
7211	M332T10_	1.152108	-0.20428	-0.86654	0.421743	0.864053	DOWN	331.9838	331.9835	331.9844	9.967533	9.859233
7212	M193T29	1.633732	-0.70817	-0.84636	0.421952	0.864053	DOWN	193.1382	193.1382	193.1385	28.5055	28.447
7213	M176T9_2	1.663985	-0.73464	-0.84651	0.42197	0.864053	DOWN	176.1144	176.1139	176.1148	9.250817	9.219483
7214	M205T10_	1.260333	-0.33381	-0.85908	0.421984	0.864053	DOWN	204.5167	204.5165	204.5168	9.8374	9.699733
7215	M635T34	2.052376	1.037295	0.890854	0.421991	0.864053	UP	635.456	635.4555	635.4565	34.46708	34.40183
7216	M331T10_	1.206977	-0.2714	-0.8492	0.422087	0.864053	DOWN	331.4112	331.4106	331.4114	9.825392	9.715683
7217	M998T9	1.337418	-0.41945	-0.84887	0.422144	0.864053	DOWN	997.6034	997.6027	997.6044	9.4159	9.30965
7218	M636T44_	1.154763	-0.2076	-0.84721	0.422151	0.864053	DOWN	636.3592	636.3587	636.3594	44.14975	43.89083
7219	M564T10_	1.772136	0.825489	0.884984	0.422242	0.864053	UP	564.2172	564.2164	564.2176	9.9754	9.8753
7220	M694T10_	1.121377	0.165272	0.854631	0.422258	0.864053	UP	693.5096	693.5093	693.5102	9.972483	9.859233
7221	M527T10_	1.16672	-0.22246	-0.86119	0.422287	0.864054	DOWN	526.7524	526.7518	526.7527	9.945258	9.843367
7222	M246T9_2	1.773081	-0.82626	-0.8897	0.422312	0.864054	DOWN	245.7482	245.7481	245.7483	9.360833	9.284683
7223	M1978T10	1.155291	-0.20826	-0.8491	0.422317	0.864054	DOWN	1978.125	1978.124	1978.133	9.8397	9.715683
7224	M377T10_	1.516078	-0.60034	-0.84562	0.422411	0.864054	DOWN	376.8429	376.8342	376.8438	9.816308	9.715683
7225	M999T11	1.408227	0.49388	0.889447	0.422474	0.864054	UP	998.767	998.7632	998.77	10.90765	10.84847
7226	M346T10_	1.366755	0.450754	0.878924	0.422518	0.864054	UP	345.8189	345.8187	345.8192	9.816475	9.699733
7227	M378T44_	1.14569	-0.19622	-0.84914	0.422522	0.864054	DOWN	378.2482	378.248	378.2484	43.71825	43.33017
7228	M535T9	3.253063	1.701799	0.891181	0.422674	0.864054	UP	535.2805	535.2799	535.2815	9.046783	9.031633
7229	M395T9_2	1.458774	0.544756	0.858617	0.422761	0.864054	UP	394.9537	394.9521	394.9569	9.295167	9.098833
7230	M277T10_	1.806679	-0.85334	-0.84637	0.422796	0.864054	DOWN	276.715	276.7033	276.7153	9.8445	9.759383
7231	M887T11	1.149403	-0.20089	-0.84637	0.422819	0.864054	DOWN	887.0036	887.003	887.0058	10.90628	10.879
7232	M172T9_2	1.426972	-0.51296	-0.85154	0.422832	0.864054	DOWN	172.0399	172.0396	172.0403	9.311883	9.206
7233	M167T10_	1.200911	-0.26413	-0.86552	0.422834	0.864054	DOWN	167.3495	167.3494	167.3496	9.8207	9.715683
7234	M410T9_2	1.267249	-0.3417	-0.85894	0.422887	0.864054	DOWN	409.5639	409.5636	409.5643	9.204617	9.158833
7235	M371T10_	1.751186	0.808332	0.873727	0.422896	0.864054	UP	370.7441	370.744	370.7442	9.932	9.843367
7236	M446T44_	1.068613	-0.09574	-0.88695	0.422904	0.864054	DOWN	446.2383	446.2381	446.2383	44.322	44.317
7237	M317T10_	1.461295	-0.54725	-0.84908	0.422944	0.864054	DOWN	316.8783	316.8771	316.8795	9.859233	9.4159
7238	M332T24	1.088167	-0.1219	-0.86649	0.422947	0.864054	DOWN	332.3156	332.3155	332.3158	24.4495	24.43383
7239	M540T11_	1.149565	-0.20109	-0.84779	0.423062	0.864054	DOWN	539.5288	539.5287	539.5294	10.89875	10.879
7240	M895T11	1.149169	-0.20059	-0.84594	0.423081	0.864054	DOWN	894.6199	894.6195	894.6218	10.892	10.879
7241	M200T10_	1.226905	-0.29502	-0.86895	0.423175	0.864054	DOWN	199.84	199.8398	199.84	9.970617	9.8753
7242	M680T25	1.167176	-0.22302	-0.84416	0.423176	0.864054	DOWN	679.5113	679.5112	679.5114	24.65642	24.6235
7243	M396T10_	1.377403	-0.46195	-0.85207	0.423186	0.864054	DOWN	396.3486	396.3474	396.3493	9.84525	9.82645
7244	M578T42	1.638644	0.712503	0.887624	0.423195	0.864054	UP	578.3168	578.3167	578.3173	41.719	41.50317

7245	M572T9_1	1.390374	-0.47547	-0.84999	0.423218	0.864054	DOWN	571.8836	571.8825	571.8842	9.371592	9.234417
7246	M320T10_	1.251554	0.32372	0.850504	0.423246	0.864054	UP	320.1558	320.142	320.156	9.8207	9.715683
7247	M274T22	1.961945	0.972285	0.877076	0.423312	0.864054	UP	274.2738	274.2737	274.274	21.51792	21.49333
7248	M454T40_	1.099327	0.13662	0.845657	0.423324	0.864054	UP	454.2643	454.2642	454.2645	40.33783	40.32333
7249	M678T10_	1.106335	-0.14579	-0.87145	0.423327	0.864054	DOWN	677.5572	677.5566	677.5576	9.830558	9.715683
7250	M377T9_5	1.244843	-0.31596	-0.87732	0.423372	0.864054	DOWN	376.8869	376.8859	376.8904	9.170442	9.07145
7251	M250T10_	1.25348	0.325939	0.873782	0.423377	0.864054	UP	250.1142	250.114	250.1142	9.967367	9.859233
7252	M450T11_	1.265911	0.340176	0.843839	0.423404	0.864054	UP	449.8394	449.8389	449.8402	10.89907	10.879
7253	M727T10_	1.18353	0.243096	0.878578	0.423449	0.864054	UP	726.7683	726.7674	726.7689	9.830458	9.715683
7254	M623T19	1.157871	-0.21147	-0.86288	0.423479	0.864054	DOWN	623.0729	623.0721	623.0735	18.64183	18.62867
7255	M541T9_6	1.229857	-0.29849	-0.86588	0.423563	0.864054	DOWN	540.7178	540.7175	540.7179	9.4498	9.355317
7256	M479T18	1.105888	-0.14521	-0.85167	0.423623	0.864054	DOWN	479.3555	479.3553	479.3557	17.52725	17.52533
7257	M553T9_5	1.683798	0.751719	0.872628	0.423637	0.864054	UP	553.0432	553.0399	553.0476	9.18195	9.110833
7258	M471T31	1.179588	-0.23828	-0.85049	0.423651	0.864054	DOWN	471.3369	471.3367	471.3371	31.14067	31.10883
7259	M321T9_1	1.315065	-0.39513	-0.84404	0.423682	0.864054	DOWN	320.5079	320.5065	320.5121	9.152825	9.11405
7260	M160T10_	1.212069	0.277472	0.843104	0.423685	0.864054	UP	159.6743	159.6742	159.6744	9.951283	9.843367
7261	M479T11_	1.208029	-0.27265	-0.86742	0.423702	0.864054	DOWN	479.2037	479.2035	479.204	10.90553	10.88747
7262	M546T9_2	1.309748	-0.38929	-0.84532	0.42373	0.864054	DOWN	545.5932	545.593	545.5933	9.365833	9.234417
7263	M206T9_1	1.31714	-0.39741	-0.85108	0.423764	0.864054	DOWN	205.8681	205.8675	205.8688	9.204617	9.132267
7264	M547T9_2	3.043415	1.605691	0.887647	0.423809	0.864054	UP	546.6298	546.6261	546.6329	9.16125	9.1036
7265	M491T10_	1.236544	-0.30631	-0.86798	0.423849	0.864054	DOWN	491.3572	491.357	491.3574	9.967367	9.859233
7266	M212T16	1.11166	0.152715	0.842756	0.423861	0.864054	UP	212.1643	212.1641	212.1643	16.46093	16.4466
7267	M283T10_	1.212872	-0.27843	-0.85961	0.423997	0.864054	DOWN	283.4895	283.4893	283.4896	9.948875	9.843367
7268	M694T10_	2.162187	1.112491	0.886767	0.424053	0.864054	UP	693.7719	693.7715	693.7723	9.816167	9.728083
7269	M846T25	1.19295	0.254534	0.847717	0.424077	0.864054	UP	846.4428	846.4424	846.4432	24.59817	24.5795
7270	M370T10_	1.752512	0.809424	0.879531	0.42409	0.864054	UP	370.3389	370.3381	370.3394	9.8881	9.743767
7271	M1797T10	1.26254	-0.33633	-0.84788	0.424095	0.864054	DOWN	1796.697	1796.695	1796.701	9.886608	9.7634
7272	M294T9_3	1.207815	-0.2724	-0.8528	0.424121	0.864054	DOWN	293.6923	293.6922	293.6925	8.72745	8.629617
7273	M592T10_	1.273932	0.349288	0.842417	0.424145	0.864054	UP	591.6175	591.6166	591.6178	9.930892	9.811217
7274	M407T10_	1.231021	-0.29986	-0.84285	0.424244	0.864054	DOWN	406.6729	406.6725	406.6735	9.825492	9.699733
7275	M1420T10	1.236165	-0.30587	-0.84329	0.424295	0.864054	DOWN	1419.795	1419.793	1419.802	9.971833	9.869467
7276	M233T10_	1.265465	-0.33967	-0.86392	0.424318	0.864054	DOWN	233.1552	233.1545	233.1561	9.829083	9.728083
7277	M520T40_	1.215563	0.281625	0.844146	0.424332	0.864054	UP	520.2749	520.2745	520.2751	40.4385	40.1365
7278	M705T10_	1.18649	-0.2467	-0.85904	0.424377	0.864054	DOWN	704.9984	704.9981	704.9986	9.958617	9.859233
7279	M212T10_	1.702744	0.767862	0.864904	0.424423	0.864054	UP	212.1284	212.1271	212.1404	9.816167	9.715683



7280	M488T45	1.1822	-0.24147	-0.86753	0.42447	0.864054	DOWN	488.285	488.2848	488.2852	44.72475	44.581
7281	M1040T19	1.24991	-0.32182	-0.85373	0.424488	0.864054	DOWN	1039.538	1039.536	1039.539	19.40417	19.372
7282	M297T10_	1.179516	-0.2382	-0.8647	0.424523	0.864055	DOWN	297.037	297.0369	297.0372	9.94785	9.843367
7283	M1052T9_	1.337234	-0.41925	-0.85754	0.424544	0.864055	DOWN	1052.314	1052.311	1052.316	9.310917	9.241267
7284	M381T9_6	1.09432	-0.13003	-0.85414	0.424555	0.864055	DOWN	381.0558	381.0557	381.0562	8.847867	8.742633
7285	M501T10_	1.210686	0.275824	0.864925	0.424648	0.864055	UP	500.877	500.8767	500.8777	9.975142	9.8753
7286	M231T10_	1.570362	-0.6511	-0.85439	0.424708	0.864055	DOWN	230.5799	230.5798	230.5802	9.946467	9.827283
7287	M576T11	1.36623	-0.4502	-0.84245	0.424834	0.864055	DOWN	576.0258	576.0248	576.0294	10.94632	10.879
7288	M635T10_	1.169651	-0.22608	-0.84079	0.424881	0.864055	DOWN	634.9022	634.9018	634.9028	9.8207	9.715683
7289	M918T10	1.251562	-0.32373	-0.85027	0.425077	0.864055	DOWN	917.9694	917.9681	917.9718	9.940167	9.859233
7290	M452T23	1.296535	-0.37466	-0.86044	0.425108	0.864055	DOWN	452.2026	452.2024	452.2031	23.393	23.36567
7291	M315T28_	1.281371	0.357689	0.842323	0.425225	0.864055	UP	314.6943	314.6939	314.6944	28.12742	28.11283
7292	M1040T11	1.228786	0.297234	0.840192	0.425247	0.864055	UP	1039.799	1039.798	1039.8	10.892	10.85838
7293	M184T10_	2.031838	1.022785	0.884416	0.425256	0.864055	UP	184.066	184.0597	184.0661	9.952017	9.827283
7294	M368T10_	1.228031	-0.29635	-0.85335	0.425282	0.864055	DOWN	368.4376	368.4374	368.4377	9.91875	9.811217
7295	M378T12	1.25256	0.324879	0.853577	0.425352	0.864055	UP	378.1992	378.1991	378.1995	12.0491	12.03728
7296	M522T9_3	1.609009	0.686173	0.862736	0.425383	0.864055	UP	521.9707	521.9683	521.9722	9.166033	9.064833
7297	M241T10_	1.918406	0.939908	0.868905	0.425436	0.864055	UP	241.3618	241.3616	241.3619	9.951283	9.827283
7298	M445T45	1.014126	0.020236	0.864738	0.425471	0.864055	UP	445.4081	445.4077	445.4082	44.82533	44.76767
7299	M446T42_	1.205736	-0.26991	-0.86168	0.425521	0.864055	DOWN	446.2382	446.2381	446.2384	42.43825	42.39483
7300	M565T10_	2.099957	1.07036	0.88058	0.425623	0.864055	UP	564.9404	564.9402	564.941	9.963342	9.8753
7301	M610T22	1.203018	-0.26666	-0.87406	0.425632	0.864055	DOWN	610.4938	610.4934	610.4942	22.31467	22.29667
7302	M1003T10	1.223841	-0.29142	-0.86571	0.425707	0.864055	DOWN	1003.264	1003.262	1003.265	9.960817	9.859233
7303	M200T10_	1.271354	-0.34637	-0.86382	0.425858	0.864055	DOWN	199.6045	199.6044	199.6046	9.830733	9.715683
7304	M302T10_	1.568946	0.649796	0.878689	0.425989	0.864055	UP	301.711	301.7104	301.7198	9.951283	9.842
7305	M393T19_	1.817319	-0.86181	-0.84091	0.426025	0.864055	DOWN	393.333	393.3305	393.3375	18.90733	18.81983
7306	M204T10_	1.285063	0.361839	0.861646	0.426122	0.864055	UP	204.0898	204.0892	204.0899	9.923067	9.802117
7307	M709T21	1.152857	-0.20521	-0.83855	0.426166	0.864055	DOWN	709.4903	709.4889	709.4918	20.90367	20.89533
7308	M376T35	2.038592	-1.02757	-0.87071	0.426235	0.864055	DOWN	376.313	376.3128	376.3131	35.16925	35.1275
7309	M346T31_	1.729381	-0.79026	-0.86895	0.426248	0.864055	DOWN	346.2724	346.272	346.2728	31.40717	31.32067
7310	M695T9_1	1.597436	-0.67576	-0.85113	0.426265	0.864055	DOWN	694.5332	694.5227	694.5338	9.441642	9.208217
7311	M440T10_	1.922906	-0.94329	-0.88217	0.426308	0.864055	DOWN	440.2985	440.2982	440.3057	9.8161	9.683817
7312	M200T9_5	1.592667	0.671445	0.868314	0.426314	0.864055	UP	199.6109	199.6102	199.6111	9.36515	9.18195
7313	M225T10_	1.154948	-0.20783	-0.8458	0.426328	0.864055	DOWN	224.6207	224.6206	224.6208	9.915583	9.827283
7314	M505T10_	1.152918	-0.20529	-0.8427	0.426337	0.864055	DOWN	505.0673	505.0668	505.0688	9.987092	9.8753

7315	M401T11_	1.310784	-0.39043	-0.83799	0.426363	0.864055	DOWN	400.9429	400.9375	400.9461	10.93208	10.9198
7316	M329T9_2	1.300041	-0.37856	-0.84356	0.426392	0.864055	DOWN	329.0696	329.0693	329.0699	9.320842	9.234417
7317	M221T9_1	1.367812	0.45187	0.846701	0.426441	0.864055	UP	221.1425	221.1407	221.1434	9.373617	9.132267
7318	M697T10_	1.353717	0.436927	0.881979	0.426524	0.864055	UP	697.2	697.1996	697.2011	9.956417	9.730467
7319	M169T10_	1.301763	0.380467	0.875115	0.426564	0.864055	UP	168.8198	168.8194	168.8202	9.951283	9.843367
7320	M534T9_3	3.127163	1.644854	0.882627	0.42659	0.864055	UP	534.2911	534.2863	534.2926	8.9999	8.9396
7321	M430T11_	1.121493	-0.16542	-0.83811	0.4266	0.864055	DOWN	430.118	430.1178	430.1186	10.892	10.8646
7322	M520T37_	1.182867	0.242288	0.857412	0.426604	0.864055	UP	520.2749	520.2746	520.2752	37.32767	37.259
7323	M1120T10	1.152702	-0.20502	-0.85682	0.426615	0.864055	DOWN	1119.675	1119.674	1119.675	9.929783	9.827283
7324	M436T28	1.114327	-0.15617	-0.85274	0.426619	0.864055	DOWN	436.2544	436.2537	436.2546	27.92233	27.89267
7325	M227T11_	1.144762	-0.19505	-0.83732	0.426736	0.864056	DOWN	226.7492	226.7491	226.7493	10.892	10.879
7326	M684T9_4	1.310129	-0.38971	-0.83849	0.426921	0.864056	DOWN	684.3362	684.3356	684.3367	9.311883	9.234417
7327	M375T10_	1.230626	0.299392	0.838345	0.426948	0.864056	UP	374.7816	374.7811	374.7842	9.960817	9.830283
7328	M407T10_	1.262304	-0.33606	-0.83686	0.426979	0.864056	DOWN	406.9724	406.9722	406.9726	9.816167	9.699733
7329	M1555T10	1.205354	-0.26946	-0.85465	0.426981	0.864056	DOWN	1555.101	1555.098	1555.102	9.886783	9.779267
7330	M478T21_	1.156272	-0.20948	-0.85379	0.426987	0.864056	DOWN	478.3998	478.3995	478.3999	20.83542	20.82333
7331	M645T45	1.125739	-0.17087	-0.86914	0.427193	0.864056	DOWN	645.4658	645.4655	645.4661	44.85408	44.82533
7332	M339T35	1.081248	-0.1127	-0.83902	0.427195	0.864056	DOWN	339.2892	339.2891	339.2894	35.40758	35.38683
7333	M356T9_4	2.080892	1.057202	0.872389	0.427326	0.864056	UP	356.3853	356.3848	356.3855	9.237842	9.22495
7334	M424T10_	1.340148	0.422392	0.847021	0.427338	0.864056	UP	423.8085	423.8077	423.8094	9.951442	9.843367
7335	M394T9_5	1.301409	0.380075	0.837673	0.427338	0.864056	UP	394.1393	394.1379	394.1451	9.275917	9.11795
7336	M323T43	1.232365	-0.30143	-0.84402	0.427382	0.864056	DOWN	323.1851	323.1849	323.1852	43.279	43.0855
7337	M374T10_	1.448566	0.534626	0.87376	0.427383	0.864056	UP	374.0483	374.0481	374.0528	9.951283	9.758367
7338	M320T39	1.315667	0.395794	0.836841	0.427414	0.864056	UP	320.1702	320.1701	320.1704	39.20842	39.07167
7339	M431T9_3	1.433691	-0.51973	-0.84699	0.42744	0.864056	DOWN	430.8612	430.8598	430.862	9.236475	9.1322
7340	M225T10_	2.664517	-1.41387	-0.86445	0.427494	0.864056	DOWN	225.3258	225.3246	225.3338	9.830283	9.715683
7341	M452T21	1.244632	-0.31572	-0.84146	0.427497	0.864056	DOWN	452.2025	452.2021	452.2028	20.98358	20.9685
7342	M699T10_	1.147057	0.197937	0.87794	0.427505	0.864056	UP	699.3958	699.3955	699.3961	9.85045	9.73145
7343	M534T44_	1.125376	0.170407	0.862072	0.427651	0.864056	UP	534.2906	534.2905	534.2906	44.38683	44.23617
7344	M335T10_	1.370296	0.454488	0.861631	0.42773	0.864056	UP	334.7901	334.7898	334.7997	9.907917	9.7124
7345	M474T10_	1.190337	0.251371	0.878943	0.427766	0.864056	UP	474.4995	474.4993	474.5002	9.903283	9.62055
7346	M455T20	2.471094	1.30515	0.870183	0.427781	0.864056	UP	455.3189	455.3186	455.3198	19.8225	19.75867
7347	M488T17	1.253527	0.325993	0.837305	0.427849	0.864056	UP	488.2975	488.2969	488.2978	17.27792	17.24667
7348	M508T43_	1.337636	0.419685	0.842707	0.427902	0.864056	UP	508.2748	508.2746	508.275	42.6395	42.45283
7349	M443T11_	1.126568	-0.17193	-0.86354	0.427912	0.864056	DOWN	443.3463	443.3456	443.3464	11.32312	11.28255

7350	M554T10_	1.391502	-0.47664	-0.83834	0.427923	0.864056	DOWN	554.1548	554.1546	554.1554	9.981083	9.949233
7351	M245T10_	1.43141	-0.51744	-0.83632	0.42793	0.864056	DOWN	245.4031	245.403	245.4031	9.929783	9.811217
7352	M400T10_	1.131159	-0.1778	-0.83843	0.428011	0.864056	DOWN	399.976	399.9755	399.977	9.934533	9.827283
7353	M1025T10	1.181643	-0.24079	-0.83751	0.428017	0.864056	DOWN	1024.561	1024.56	1024.562	9.563592	9.527517
7354	M1858T10	1.18365	0.243242	0.874643	0.428031	0.864056	UP	1857.868	1857.867	1857.871	9.830083	9.715683
7355	M446T11_	1.793723	0.842957	0.877042	0.428065	0.864056	UP	445.9981	445.9973	445.9992	10.90659	10.85838
7356	M151T44	1.187851	0.248354	0.880415	0.428133	0.864056	UP	151.1115	151.1114	151.1116	44.30792	44.049
7357	M410T10_	1.737582	0.797081	0.877576	0.428233	0.864056	UP	409.6773	409.6769	409.6775	9.935675	9.827283
7358	M204T10_	1.250357	-0.32234	-0.85724	0.428254	0.864056	DOWN	204.2839	204.2765	204.284	9.836367	9.715683
7359	M580T10_	1.197814	-0.2604	-0.83729	0.428286	0.864056	DOWN	580.1781	580.1777	580.1786	9.900133	9.811217
7360	M424T11_	1.172932	-0.23012	-0.84731	0.428341	0.864056	DOWN	423.8431	423.8429	423.8432	10.63183	10.59763
7361	M1709T10	1.236142	0.305844	0.85943	0.428365	0.864056	UP	1709.346	1709.342	1709.351	9.823225	9.715683
7362	M687T25	1.202004	-0.26544	-0.84218	0.428391	0.864056	DOWN	686.5048	686.5042	686.505	25.38508	25.3575
7363	M185T19_	1.163133	-0.21802	-0.83511	0.428517	0.864056	DOWN	185.1322	185.1321	185.1323	19.03858	19.02383
7364	M382T43_	1.176085	-0.23399	-0.84493	0.428534	0.864056	DOWN	382.2432	382.2431	382.2434	43.33725	43.114
7365	M1885T10	1.1714	-0.22823	-0.83544	0.428549	0.864056	DOWN	1885.108	1885.106	1885.11	9.8207	9.715683
7366	M461T10_	1.194668	-0.25661	-0.83414	0.428751	0.864056	DOWN	460.7594	460.7591	460.7597	9.914217	9.811217
7367	M174T11_	1.170509	-0.22714	-0.83625	0.428811	0.864056	DOWN	173.9605	173.9605	173.9607	10.892	10.8646
7368	M326T10_	1.593715	0.672394	0.873828	0.428824	0.864056	UP	326.0136	326.0128	326.0143	9.831517	9.743767
7369	M166T9_8	1.237159	-0.30703	-0.83467	0.428824	0.864056	DOWN	166.2893	166.2888	166.2897	9.333433	9.234417
7370	M424T21	1.154603	0.207396	0.836075	0.428832	0.864056	UP	424.3417	424.3413	424.3422	21.13067	21.11583
7371	M417T9_1	1.211006	-0.27621	-0.84777	0.428873	0.864056	DOWN	417.231	417.2305	417.2343	9.320067	9.1445
7372	M702T11_	1.366046	0.450007	0.860734	0.428881	0.864056	UP	701.9957	701.9952	701.996	10.78557	10.76855
7373	M699T9_6	1.22176	-0.28896	-0.84595	0.429048	0.864057	DOWN	699.4685	699.4678	699.4696	9.488842	9.38595
7374	M324T11_	1.256194	-0.32906	-0.84105	0.429147	0.864057	DOWN	324.273	324.264	324.2737	10.9049	10.64667
7375	M1993T10	1.250763	-0.32281	-0.85473	0.429192	0.864057	DOWN	1993.132	1993.131	1993.133	9.830733	9.715683
7376	M876T11_	1.424509	0.510465	0.853872	0.429263	0.864057	UP	875.9069	875.903	875.9094	10.90765	10.85838
7377	M445T10_	1.238089	-0.30812	-0.84467	0.429292	0.864057	DOWN	445.219	445.2185	445.2196	9.954767	9.843367
7378	M455T9_1	1.346591	0.429312	0.837076	0.429439	0.864057	UP	455.1437	455.1355	455.1462	9.2612	9.142767
7379	M886T10	1.09705	-0.13363	-0.83207	0.429519	0.864057	DOWN	886.0538	886.0527	886.0545	9.931875	9.827283
7380	M335T9_1	1.306277	0.385461	0.845151	0.429566	0.864057	UP	335.2306	335.2303	335.2307	8.696033	8.673233
7381	M491T9_1	1.350167	0.433138	0.833197	0.429578	0.864057	UP	491.1698	491.1691	491.17	9.249825	9.174883
7382	M203T10_	1.165349	-0.22076	-0.83473	0.429593	0.864057	DOWN	202.5732	202.5731	202.5733	9.989733	9.8914
7383	M339T10_	1.232473	-0.30156	-0.84985	0.429625	0.864057	DOWN	339.0829	339.0827	339.0831	9.95825	9.859233
7384	M1264T10	1.428969	0.514975	0.853524	0.429646	0.864057	UP	1263.794	1263.791	1263.796	9.970617	9.859233

7385	M453T10_	1.161402	-0.21587	-0.84568	0.429735	0.864057	DOWN	452.9038	452.9034	452.9038	9.8445	9.715683
7386	M344T10_	1.151002	-0.20289	-0.86011	0.429745	0.864057	DOWN	343.6665	343.6662	343.6669	9.8397	9.715683
7387	M346T10_	1.212127	-0.27754	-0.85203	0.429764	0.864057	DOWN	345.8025	345.8024	345.8027	9.8207	9.715683
7388	M421T10_	1.35317	0.436343	0.862964	0.429794	0.864057	UP	420.9555	420.9552	420.9558	9.931875	9.827283
7389	M495T9_4	1.322733	0.403522	0.849493	0.42981	0.864057	UP	494.5856	494.5855	494.5856	9.133667	9.110833
7390	M522T9_4	1.117082	0.159735	0.853034	0.429816	0.864057	UP	522.2396	522.2391	522.2401	9.18195	9.12675
7391	M151T10_	1.123134	-0.16753	-0.8321	0.429903	0.864057	DOWN	150.5153	150.5074	150.5156	9.830183	9.715683
7392	M607T10_	1.399965	-0.48539	-0.8406	0.429936	0.864057	DOWN	607.4093	607.4088	607.4098	9.960817	9.859233
7393	M624T9_2	1.488901	-0.57425	-0.83133	0.429994	0.864057	DOWN	624.2158	624.2152	624.2176	9.328667	9.046783
7394	M361T10_	1.295673	-0.3737	-0.83378	0.430028	0.864057	DOWN	361.2513	361.2499	361.2526	9.8322	9.816167
7395	M235T10_	1.09591	-0.13213	-0.84212	0.430042	0.864057	DOWN	234.8441	234.8438	234.8441	9.94405	9.843367
7396	M780T10_	1.158984	-0.21286	-0.83901	0.430206	0.864057	DOWN	779.6197	779.6195	779.6199	9.534867	9.432183
7397	M536T44_	1.393897	0.479124	0.852055	0.430265	0.864057	UP	536.3062	536.306	536.3065	43.55308	43.2725
7398	M559T10_	1.225155	-0.29296	-0.83155	0.43038	0.864057	DOWN	558.7018	558.701	558.703	9.9014	9.79535
7399	M588T25	1.422845	-0.50878	-0.84434	0.430413	0.864057	DOWN	588.4315	588.4309	588.4322	24.66633	24.62317
7400	M447T10_	1.194488	0.256393	0.83612	0.430518	0.864057	UP	446.7593	446.7582	446.7614	9.745008	9.431017
7401	M244T22_	1.209965	-0.27496	-0.84911	0.430529	0.864057	DOWN	244.1693	244.1692	244.1694	21.905	21.88933
7402	M410T10_	1.09948	-0.13682	-0.83494	0.430543	0.864057	DOWN	410.168	410.1676	410.1682	9.918792	9.811217
7403	M497T21	1.12191	0.165957	0.835358	0.43071	0.864057	UP	497.366	497.3658	497.3663	21.09842	21.08667
7404	M463T21	1.218768	0.285424	0.832164	0.430754	0.864057	UP	463.3527	463.3519	463.3532	21.21967	21.20783
7405	M201T9_1	1.44344	-0.52951	-0.82969	0.43081	0.864057	DOWN	200.8934	200.8916	200.8935	9.280767	9.219483
7406	M579T9_3	1.359116	-0.44267	-0.83072	0.43085	0.864057	DOWN	578.6158	578.6149	578.6162	9.15945	9.12675
7407	M536T22_	1.297324	-0.37554	-0.84804	0.430992	0.864057	DOWN	536.1263	536.126	536.1277	21.555	21.47883
7408	M703T10_	1.155557	0.208588	0.870785	0.43104	0.864057	UP	703.4454	703.4447	703.4459	9.830183	9.715683
7409	M450T40_	1.321772	-0.40247	-0.8691	0.431095	0.864057	DOWN	450.2332	450.233	450.2334	40.165	39.84867
7410	M574T11_	1.133505	-0.18079	-0.83171	0.431222	0.864057	DOWN	574.0249	574.0244	574.0253	10.90522	10.879
7411	M578T45	1.300944	-0.37956	-0.83433	0.431348	0.864058	DOWN	578.3169	578.3168	578.3171	44.8325	44.609
7412	M636T38	1.030754	-0.0437	-0.82881	0.431374	0.864058	DOWN	636.359	636.3587	636.3591	37.74808	37.633
7413	M576T9_1	1.23891	-0.30907	-0.84834	0.431464	0.864058	DOWN	575.546	575.5447	575.5464	9.292008	9.224517
7414	M813T11_	1.12539	-0.17042	-0.83155	0.431631	0.864058	DOWN	812.7991	812.7985	812.8002	10.92225	10.9198
7415	M459T10_	1.172558	-0.22966	-0.82813	0.431736	0.864058	DOWN	459.1831	459.1826	459.1837	9.861225	9.65225
7416	M894T35	1.27062	-0.34553	-0.83673	0.431757	0.864058	DOWN	893.6248	893.6242	893.6255	35.4285	35.38717
7417	M382T9_4	1.581777	-0.66155	-0.82852	0.43181	0.864058	DOWN	381.8582	381.8582	381.8589	8.81155	8.77435
7418	M1713T10	1.298274	-0.3766	-0.8286	0.431829	0.864058	DOWN	1713.165	1713.162	1713.169	9.82645	9.802117
7419	M1039T10	1.155275	-0.20824	-0.84477	0.431912	0.864058	DOWN	1038.742	1038.741	1038.742	9.85525	9.715683

7420	M1220T9	1.239646	-0.30993	-0.83461	0.431937	0.864058	DOWN	1219.741	1219.736	1219.743	9.448983	9.38595
7421	M212T10_	1.186245	-0.2464	-0.82854	0.431941	0.864058	DOWN	211.7679	211.7677	211.7681	9.75145	9.636483
7422	M501T9_9	2.143352	-1.09987	-0.83529	0.432046	0.864058	DOWN	501.3423	501.3397	501.3442	9.320483	9.142767
7423	M602T12	1.226434	0.29447	0.843828	0.43209	0.864058	UP	602.3748	602.373	602.3755	12.07792	12.0494
7424	M515T10_	1.700127	0.765643	0.855934	0.432144	0.864058	UP	515.4027	515.402	515.4031	9.983433	9.8914
7425	M250T10_	1.17082	-0.22752	-0.85121	0.432232	0.864058	DOWN	250.2462	250.2461	250.2463	9.929783	9.827283
7426	M323T10_	1.172405	-0.22947	-0.83086	0.432245	0.864058	DOWN	323.2049	323.2048	323.2052	9.959533	9.843367
7427	M374T23	1.233142	-0.30234	-0.8411	0.432259	0.864058	DOWN	373.7708	373.7702	373.7713	22.53233	22.52333
7428	M679T10_	1.47034	0.556149	0.870489	0.432275	0.864058	UP	678.5549	678.5545	678.5562	9.843017	9.73145
7429	M481T9_3	1.372874	-0.4572	-0.85053	0.43232	0.864058	DOWN	480.668	480.6677	480.6697	9.368208	9.18975
7430	M1400T10	1.292384	0.370035	0.827068	0.432333	0.864058	UP	1400.214	1400.212	1400.216	9.964167	9.8753
7431	M172T10_	1.206806	-0.27119	-0.82873	0.432339	0.864058	DOWN	171.7578	171.7577	171.758	9.930142	9.811217
7432	M1010T10	1.637665	0.71164	0.869888	0.432614	0.864058	UP	1010.093	1010.092	1010.094	9.98155	9.8914
7433	M617T9_3	1.261561	-0.33521	-0.83471	0.432623	0.864058	DOWN	616.7716	616.7649	616.7726	9.204617	9.12675
7434	M729T10_	1.171055	0.227809	0.830022	0.432627	0.864058	UP	728.9889	728.9861	728.9896	9.825767	9.715683
7435	M394T10_	1.169634	-0.22606	-0.84287	0.432757	0.864058	DOWN	394.2752	394.2751	394.2753	9.945258	9.843367
7436	M421T11_	1.116327	0.158759	0.86029	0.43276	0.864058	UP	421.231	421.2309	421.2315	10.94161	10.90785
7437	M536T9_1	1.354702	-0.43798	-0.82611	0.43281	0.864058	DOWN	535.6314	535.6311	535.6316	9.438833	9.38595
7438	M400T12_	1.208722	-0.27348	-0.82779	0.432903	0.864058	DOWN	400.1865	400.1864	400.1865	12.2954	12.28152
7439	M360T11_	1.180846	-0.23982	-0.83541	0.43299	0.864058	DOWN	360.3114	360.3109	360.3116	10.63183	10.6089
7440	M404T10_	1.170212	-0.22677	-0.84419	0.432995	0.864058	DOWN	404.0956	404.0954	404.0957	9.979667	9.8753
7441	M847T11_	1.155484	-0.2085	-0.83197	0.433014	0.864058	DOWN	846.6801	846.6796	846.6806	10.63183	10.59933
7442	M348T10_	1.751789	0.808829	0.868876	0.433047	0.864058	UP	347.6592	347.6591	347.6607	9.967367	9.840617
7443	M244T14_	1.401105	0.486565	0.83857	0.433061	0.864058	UP	244.2057	244.2054	244.2058	13.5806	13.56563
7444	M419T9_8	1.234235	0.303618	0.837844	0.433096	0.864058	UP	419.3222	419.3219	419.3305	9.370583	9.174967
7445	M709T11_	1.138949	-0.1877	-0.82572	0.433102	0.864058	DOWN	708.5472	708.5466	708.5476	10.6206	10.59763
7446	M278T10_	2.398881	1.262361	0.870349	0.43313	0.864058	UP	277.5436	277.5433	277.5437	9.979667	9.8753
7447	M430T9_5	1.524203	0.608056	0.827111	0.433204	0.864058	UP	430.1241	430.1226	430.1264	9.329083	9.160617
7448	M196T9_3	1.361313	0.444999	0.827859	0.433217	0.864058	UP	195.6891	195.6885	195.6892	9.146383	9.1175
7449	M864T11	1.362666	-0.44643	-0.82984	0.433302	0.864058	DOWN	863.5385	863.5378	863.5392	11.23089	11.15797
7450	M677T10_	1.32418	0.405099	0.868221	0.433478	0.864058	UP	676.6082	676.6072	676.6087	9.825492	9.699733
7451	M512T33	1.18009	-0.2389	-0.83704	0.433482	0.864058	DOWN	512.394	512.3936	512.395	32.83517	32.82067
7452	M674T10_	1.117159	-0.15983	-0.82967	0.433484	0.864058	DOWN	673.5253	673.5237	673.5257	9.977442	9.859233
7453	M748T10_	1.487816	0.573196	0.860064	0.433527	0.864058	UP	747.5172	747.5139	747.5185	9.823575	9.715683
7454	M397T9_8	1.238044	-0.30806	-0.8329	0.433565	0.864058	DOWN	397.4091	397.4084	397.4109	9.191133	9.129317

7455	M700T10_	1.145848	-0.19642	-0.83225	0.433586	0.864059	DOWN	700.104	700.1035	700.1042	9.964092	9.859233
7456	M378T9_3	1.671845	-0.74144	-0.82454	0.433677	0.864059	DOWN	377.6467	377.6449	377.6504	9.215892	9.110833
7457	M1014T10	1.074722	-0.10396	-0.8246	0.433704	0.864059	DOWN	1013.849	1013.848	1013.854	9.818525	9.715683
7458	M446T10_	1.243391	-0.31428	-0.83619	0.433748	0.864059	DOWN	446.456	446.4554	446.4562	9.960467	9.843367
7459	M1184T10	1.135971	-0.18393	-0.83639	0.433765	0.864059	DOWN	1183.759	1183.758	1183.762	9.917167	9.811217
7460	M527T10_	1.205513	-0.26965	-0.84378	0.433909	0.864059	DOWN	526.8818	526.8814	526.8826	10.4722	10.40807
7461	M464T25	1.837395	-0.87766	-0.82588	0.433968	0.864059	DOWN	464.2278	464.2274	464.2286	24.86967	24.826
7462	M226T10_	1.233216	-0.30243	-0.82367	0.434179	0.864059	DOWN	225.6376	225.6375	225.6458	9.927808	9.843367
7463	M356T10_	1.345497	0.428139	0.840139	0.434304	0.864059	UP	356.0206	356.0201	356.0208	9.979325	9.859233
7464	M610T11	1.149707	-0.20127	-0.82589	0.434469	0.864059	DOWN	610.2071	610.207	610.2075	10.892	10.8646
7465	M1140T10	2.322059	1.215405	0.867101	0.434502	0.864059	UP	1139.954	1139.951	1139.955	9.91875	9.743767
7466	M323T27	1.623838	-0.69941	-0.82253	0.43465	0.864059	DOWN	323.2115	323.211	323.2126	27.21375	27.14417
7467	M506T10_	1.18571	-0.24575	-0.83036	0.434815	0.864059	DOWN	505.8049	505.8044	505.8053	9.565017	9.478833
7468	M1024T26	1.499625	-0.5846	-0.82904	0.434909	0.864059	DOWN	1023.724	1023.723	1023.725	26.00567	25.974
7469	M330T9_1	1.247619	-0.31918	-0.82713	0.43499	0.864059	DOWN	330.4575	330.4574	330.4577	9.235933	9.129317
7470	M364T9_1	1.286859	-0.36385	-0.82878	0.434994	0.864059	DOWN	364.3347	364.3346	364.3349	9.270833	9.234417
7471	M1290T10	1.230764	-0.29955	-0.824	0.435078	0.864059	DOWN	1290.157	1290.156	1290.158	9.880533	9.872067
7472	M454T10_	1.144415	-0.19461	-0.83888	0.435084	0.864059	DOWN	453.8897	453.8894	453.8902	9.834067	9.73145
7473	M336T10_	1.318339	0.398721	0.853454	0.435258	0.864059	UP	336.22	336.2197	336.2201	9.801833	9.715683
7474	M316T9_4	1.673455	0.74283	0.821912	0.435282	0.864059	UP	316.2431	316.2424	316.2472	8.73465	8.641583
7475	M1930T10	1.46966	0.555483	0.861364	0.435352	0.864059	UP	1930.221	1930.219	1930.222	9.849433	9.73145
7476	M382T39_	1.206967	-0.27139	-0.82712	0.435365	0.864059	DOWN	382.2433	382.2431	382.2434	39.28767	39.0775
7477	M231T10_	1.196586	0.258924	0.839031	0.435383	0.864059	UP	231.1829	231.1828	231.1829	9.893283	9.779267
7478	M637T10_	1.196347	-0.25864	-0.84318	0.435401	0.864059	DOWN	636.9007	636.8999	636.9014	10.10092	10.00428
7479	M1013T16	1.174521	-0.23207	-0.83985	0.435406	0.864059	DOWN	1013.442	1013.441	1013.442	15.515	15.47318
7480	M640T10_	1.217826	0.284307	0.825991	0.435422	0.864059	UP	640.0733	640.0726	640.074	10.40332	10.34372
7481	M294T10_	1.14641	-0.19712	-0.82278	0.435517	0.864059	DOWN	293.6409	293.6405	293.641	9.91875	9.811217
7482	M289T11_	1.132499	0.179509	0.830707	0.435529	0.864059	UP	289.3213	289.3211	289.3215	10.90657	10.8914
7483	M526T9_7	1.301865	0.380579	0.829407	0.435666	0.864059	UP	526.3608	526.3606	526.361	8.719975	8.601067
7484	M242T9_3	1.125669	-0.17078	-0.82052	0.435693	0.864059	DOWN	241.9415	241.94	241.9416	9.295817	9.132267
7485	M199T10_	1.190789	-0.25192	-0.84655	0.435726	0.864059	DOWN	199.114	199.1139	199.1271	9.8378	9.816167
7486	M247T12	1.116171	-0.15856	-0.82419	0.435795	0.864059	DOWN	247.2165	247.2163	247.2167	12.33978	12.33912
7487	M474T45	1.154769	0.207604	0.827532	0.435801	0.864059	UP	474.2694	474.2691	474.2696	44.84692	44.739
7488	M703T10_	1.151571	0.203604	0.857425	0.435802	0.864059	UP	703.4985	703.4981	703.4987	9.872475	9.743667
7489	M319T10_	1.17307	-0.23029	-0.83028	0.435974	0.86406	DOWN	318.8785	318.8782	318.8793	9.831517	9.699733

7490	M674T10_	1.156496	-0.20976	-0.83584	0.43598	0.86406	DOWN	674.4258	674.4254	674.4263	9.834117	9.715683
7491	M323T9_6	1.611788	0.688662	0.842688	0.436083	0.86406	UP	323.4238	323.4234	323.4266	9.082742	9.0637
7492	M427T9_4	1.157209	-0.21065	-0.83172	0.436089	0.86406	DOWN	427.3618	427.3616	427.362	9.27355	9.204617
7493	M892T26	1.176661	-0.2347	-0.82143	0.436121	0.86406	DOWN	891.645	891.6447	891.6453	25.94533	25.934
7494	M706T13	1.208413	-0.27311	-0.83618	0.436207	0.86406	DOWN	705.5721	705.5713	705.5734	12.50105	12.48495
7495	M754T10_	1.260035	-0.33346	-0.82068	0.43623	0.86406	DOWN	754.4804	754.4795	754.481	9.969925	9.942317
7496	M272T10_	1.291521	0.369071	0.84164	0.436238	0.86406	UP	271.6441	271.6439	271.6442	9.957333	9.843367
7497	M220T9_1	1.326612	0.407746	0.820284	0.436286	0.86406	UP	220.4846	220.4834	220.4856	9.311883	9.132267
7498	M348T9_2	1.437858	-0.52392	-0.83123	0.436414	0.86406	DOWN	347.8289	347.8282	347.8294	8.958567	8.877267
7499	M514T9_3	1.250847	-0.32291	-0.81918	0.436426	0.86406	DOWN	514.0041	514.0036	514.0051	9.464933	9.38595
7500	M453T11	1.141744	-0.19124	-0.82169	0.436514	0.86406	DOWN	453.1413	453.1411	453.1416	10.90197	10.8646
7501	M294T10_	1.586952	-0.66626	-0.82088	0.436519	0.86406	DOWN	294.0426	294.0424	294.0429	9.909217	9.811217
7502	M672T10_	1.460132	0.546098	0.860037	0.436597	0.86406	UP	671.7106	671.7098	671.7117	9.779267	9.665433
7503	M420T44_	1.229181	-0.2977	-0.85663	0.4366	0.86406	DOWN	420.2225	420.2224	420.2228	43.86208	43.628
7504	M576T10_	2.098401	1.069291	0.860525	0.436622	0.86406	UP	575.6217	575.6206	575.6227	9.942317	9.859233
7505	M163T30	1.797299	-0.84583	-0.85352	0.436637	0.86406	DOWN	163.0752	163.0751	163.0752	30.45933	30.4395
7506	M355T21_	1.474629	-0.56035	-0.85054	0.436657	0.86406	DOWN	355.2378	355.2376	355.238	21.42058	21.17417
7507	M414T10_	1.180982	-0.23999	-0.83172	0.436719	0.86406	DOWN	413.7975	413.7973	413.7977	10.18999	10.10142
7508	M682T9_1	1.127843	-0.17357	-0.81869	0.436738	0.86406	DOWN	681.7877	681.7872	681.7884	9.328967	9.129317
7509	M528T10_	1.372956	0.457285	0.836901	0.436791	0.86406	UP	527.7165	527.7158	527.7171	9.95385	9.843367
7510	M218T9	1.235743	-0.30538	-0.81848	0.436831	0.86406	DOWN	218.245	218.2381	218.2458	9.348233	9.26575
7511	M249T7_1	1.173734	-0.2311	-0.82412	0.436919	0.86406	DOWN	249.1567	249.1566	249.157	7.039883	6.925867
7512	M469T10_	1.348476	-0.43133	-0.81968	0.436937	0.86406	DOWN	468.6272	468.6262	468.6281	10.24737	10.18653
7513	M460T10_	1.23848	0.308571	0.822367	0.436938	0.86406	UP	459.5111	459.5106	459.5113	9.866025	9.79535
7514	M386T10_	1.229113	0.297618	0.837218	0.436946	0.86406	UP	386.4589	386.4519	386.4594	9.970617	9.8445
7515	M1293T10	1.437306	0.523367	0.851121	0.436987	0.86406	UP	1292.795	1292.795	1292.798	9.951283	9.859233
7516	M430T10_	1.999905	0.999931	0.85987	0.437055	0.86406	UP	430.0547	430.0539	430.055	9.952017	9.859233
7517	M361T10_	1.268138	-0.34271	-0.82733	0.437228	0.86406	DOWN	360.6567	360.6563	360.6568	9.8207	9.73145
7518	M579T9_5	3.12401	1.643399	0.860157	0.437285	0.86406	UP	578.9306	578.9281	578.9313	9.06855	9.0637
7519	M193T13	1.431922	-0.51795	-0.82598	0.437318	0.86406	DOWN	193.1585	193.1585	193.1586	12.6456	12.57233
7520	M185T10_	1.338236	0.420333	0.831336	0.43738	0.86406	UP	184.7859	184.7856	184.7859	9.972917	9.859233
7521	M320T10_	1.137501	-0.18587	-0.81711	0.437521	0.86406	DOWN	320.17	320.1569	320.1704	9.818508	9.699733
7522	M620T44_	1.339312	0.421492	0.860652	0.43756	0.86406	UP	620.364	620.3638	620.3642	44.44283	44.2505
7523	M467T10_	1.129217	-0.17532	-0.82913	0.437647	0.86406	DOWN	467.3586	467.3582	467.3591	9.636967	9.541483
7524	M335T10_	1.397303	-0.48265	-0.81741	0.437679	0.86406	DOWN	335.3141	335.3136	335.3143	9.964167	9.885167

7525	M490T42_	1.390848	0.475965	0.835019	0.437693	0.86406	UP	490.2643	490.264	490.2646	42.28708	42.04967
7526	M301T32	1.262111	0.335838	0.846563	0.437713	0.86406	UP	301.1408	301.1405	301.1409	32.46017	32.44517
7527	M263T10_	1.119113	0.162356	0.820689	0.437773	0.86406	UP	262.9463	262.9462	262.9465	9.830733	9.665433
7528	M706T10_	1.091101	0.125784	0.839035	0.437858	0.86406	UP	705.6121	705.6117	705.6124	9.850858	9.73145
7529	M484T11_	1.122166	-0.16629	-0.83176	0.437867	0.86406	DOWN	483.7355	483.7346	483.7356	10.90765	10.88995
7530	M311T9_2	1.401783	-0.48726	-0.82112	0.437875	0.86406	DOWN	311.2524	311.252	311.2526	9.365833	9.219483
7531	M970T11	1.147703	-0.19875	-0.81665	0.437878	0.86406	DOWN	969.7841	969.7829	969.7888	10.90519	10.879
7532	M665T10_	1.149959	-0.20158	-0.82343	0.437883	0.86406	DOWN	664.7128	664.7121	664.7134	9.8207	9.715683
7533	M390T10_	1.192866	-0.25443	-0.81694	0.437939	0.86406	DOWN	390.4815	390.4812	390.4817	10.00899	9.9009
7534	M721T9_2	1.444885	-0.53095	-0.81656	0.437946	0.86406	DOWN	721.2309	721.2297	721.232	9.1445	9.07945
7535	M680T11_	1.105998	-0.14535	-0.82201	0.437991	0.86406	DOWN	680.0134	680.0131	680.0137	10.83176	10.79918
7536	M233T21	1.185124	-0.24504	-0.82847	0.438042	0.86406	DOWN	233.1726	233.1725	233.1727	20.7675	20.75117
7537	M325T11_	1.209782	-0.27475	-0.81841	0.438073	0.86406	DOWN	324.8169	324.8168	324.8175	10.892	10.8646
7538	M553T9_1	1.321426	-0.4021	-0.81674	0.438082	0.86406	DOWN	552.6584	552.6577	552.6585	9.220933	9.191133
7539	M235T23	1.361626	-0.44533	-0.8171	0.438146	0.86406	DOWN	235.0962	235.0961	235.0964	23.38058	23.35467
7540	M397T10_	1.074577	-0.10377	-0.82006	0.438202	0.86406	DOWN	396.6501	396.6499	396.6502	9.917167	9.811217
7541	M343T10_	1.147797	-0.19887	-0.84319	0.438212	0.86406	DOWN	342.9473	342.947	342.9474	9.8397	9.715683
7542	M554T29_	1.3656	-0.44954	-0.81713	0.438214	0.86406	DOWN	553.8943	553.894	553.8947	28.77258	28.7035
7543	M596T10_	1.154771	0.207607	0.817618	0.438247	0.86406	UP	595.8055	595.8049	595.8074	9.917167	9.79535
7544	M189T10_	1.633099	0.707612	0.848747	0.438306	0.864061	UP	188.5999	188.5998	188.6	9.967367	9.8914
7545	M446T22	1.186813	-0.24709	-0.81731	0.43833	0.864061	DOWN	446.1443	446.1439	446.1448	22.25667	22.23533
7546	M302T10_	1.362367	0.446116	0.851292	0.438519	0.864061	UP	301.9939	301.9936	301.9942	9.954217	9.843367
7547	M416T9_7	1.52591	0.60967	0.840557	0.438525	0.864061	UP	416.2275	416.2254	416.2299	9.15945	8.955933
7548	M619T10_	1.263162	0.33704	0.857666	0.438645	0.864061	UP	618.5538	618.553	618.557	9.839008	9.715683
7549	M203T9_3	1.16353	0.218509	0.844137	0.438646	0.864061	UP	203.1835	203.1834	203.1836	8.872733	8.7875
7550	M368T19_	1.252214	0.324482	0.816585	0.438687	0.864061	UP	368.2344	368.2245	368.2359	18.732	18.70267
7551	M363T11_	1.208088	-0.27273	-0.81737	0.43881	0.864061	DOWN	363.0675	363.0655	363.069	10.90669	10.86008
7552	M405T9_1	1.286622	-0.36359	-0.81461	0.438953	0.864061	DOWN	404.5005	404.5001	404.501	9.464933	9.370583
7553	M280T10_	1.27978	0.355896	0.823662	0.439005	0.864061	UP	280.333	280.3327	280.3333	9.95385	9.843367
7554	M190T10_	1.147085	-0.19797	-0.82611	0.439097	0.864061	DOWN	189.8924	189.8922	189.8925	9.917167	9.811217
7555	M474T11_	1.303512	0.382403	0.853257	0.439123	0.864061	UP	474.0764	474.0752	474.0814	10.93358	10.8926
7556	M332T10_	1.585775	-0.66519	-0.84639	0.439157	0.864061	DOWN	331.5517	331.5515	331.5519	9.818433	9.7124
7557	M253T10_	1.189587	-0.25046	-0.83191	0.439204	0.864061	DOWN	253.2017	253.2016	253.2021	9.903283	9.732983
7558	M327T9_6	1.127406	-0.17301	-0.8156	0.439258	0.864061	DOWN	327.2833	327.2831	327.2835	9.280458	9.129317
7559	M610T10_	1.083684	-0.11594	-0.81843	0.439394	0.864061	DOWN	609.9477	609.9469	609.9481	9.914217	9.79535



7560	M1851T10	1.263289	-0.33718	-0.82082	0.439402	0.864061	DOWN	1851.079	1851.077	1851.08	9.8207	9.73145
7561	M475T9_1	1.145334	-0.19577	-0.81427	0.439475	0.864061	DOWN	475.2494	475.2493	475.2496	9.303467	9.129317
7562	M404T43_	1.044881	-0.06334	-0.8138	0.43951	0.864061	DOWN	404.264	404.2638	404.2641	42.70425	42.66833
7563	M235T10_	1.106289	-0.14573	-0.81407	0.439512	0.864061	DOWN	234.8724	234.8723	234.8725	9.934533	9.827283
7564	M432T41	1.19401	-0.25582	-0.82694	0.439519	0.864061	DOWN	432.2227	432.2224	432.2229	40.92308	40.72633
7565	M341T10_	1.237163	-0.30704	-0.83391	0.439528	0.864061	DOWN	341.3262	341.3252	341.3263	9.825492	9.715683
7566	M634T11_	1.248392	0.320071	0.813476	0.439528	0.864061	UP	633.8739	633.8735	633.8748	10.87812	10.8214
7567	M321T10_	1.189715	0.250616	0.81351	0.439573	0.864061	UP	321.1309	321.1308	321.1313	10.04033	9.948333
7568	M326T11_	1.085371	-0.11819	-0.81954	0.439575	0.864061	DOWN	325.7741	325.774	325.7744	10.90519	10.879
7569	M578T38	1.328505	-0.4098	-0.85151	0.439723	0.864061	DOWN	578.317	578.3165	578.3175	38.0215	37.748
7570	M212T10_	1.187949	-0.24847	-0.82277	0.439764	0.864061	DOWN	211.8164	211.8162	211.8165	9.8207	9.699733
7571	M735T11_	1.118182	-0.16115	-0.81316	0.439773	0.864061	DOWN	734.5495	734.5491	734.5527	10.89875	10.879
7572	M315T14	1.667547	-0.73773	-0.84647	0.439852	0.864061	DOWN	315.2038	315.2034	315.2044	14.06217	14.01913
7573	M608T10_	1.357671	-0.44113	-0.81508	0.439861	0.864061	DOWN	608.248	608.2465	608.2482	9.917167	9.874067
7574	M636T10_	1.083375	0.115533	0.813458	0.43996	0.864061	UP	636.4026	636.4022	636.4029	10.39613	10.34372
7575	M378T10_	1.073686	-0.10257	-0.81693	0.439979	0.864061	DOWN	378.1775	378.1771	378.1782	9.917167	9.811217
7576	M257T10_	1.315067	0.395137	0.836778	0.439981	0.864061	UP	257.4553	257.4551	257.4556	9.809683	9.65225
7577	M731T4	1.342252	0.424656	0.812556	0.440065	0.864061	UP	731.4673	731.4669	731.4679	3.527333	3.257667
7578	M328T10_	1.285929	0.362811	0.822894	0.440112	0.864061	UP	328.1805	328.1805	328.1807	9.787433	9.683817
7579	M343T10_	1.633183	0.707687	0.848315	0.440198	0.864061	UP	343.2067	343.2042	343.2071	9.730592	9.45135
7580	M599T10_	1.077123	-0.10718	-0.81339	0.440322	0.864061	DOWN	599.4171	599.4166	599.4175	9.907958	9.79535
7581	M1957T10	1.339552	0.421751	0.833427	0.44055	0.864061	UP	1956.593	1956.59	1956.597	9.853633	9.73145
7582	M470T7	1.687701	0.75506	0.852624	0.440568	0.864061	UP	470.3694	470.3692	470.3699	7.025433	6.969117
7583	M1885T10	1.185184	0.245111	0.811502	0.44063	0.864061	UP	1884.685	1884.683	1884.687	9.830083	9.696683
7584	M253T12	2.091574	1.064589	0.854293	0.44064	0.864062	UP	253.1601	253.16	253.1691	11.74896	11.74257
7585	M983T28	1.283956	-0.3606	-0.81089	0.440892	0.864062	DOWN	982.6813	982.6795	982.6826	28.27217	28.24383
7586	M441T10_	1.741432	0.800274	0.851605	0.440899	0.864062	UP	441.3438	441.3434	441.344	10.43184	10.37598
7587	M351T23	1.310468	-0.39008	-0.81881	0.440904	0.864062	DOWN	351.1045	351.1043	351.1052	22.92933	22.84233
7588	M257T10_	1.215219	0.281217	0.840719	0.440939	0.864062	UP	256.8276	256.8274	256.8279	9.979667	9.8914
7589	M466T10_	1.170995	-0.22773	-0.81752	0.440968	0.864062	DOWN	465.8374	465.8371	465.8376	9.818525	9.699733
7590	M241T10_	1.366876	0.450883	0.820958	0.440969	0.864062	UP	240.544	240.5439	240.5443	9.9351	9.827283
7591	M819T31	1.225289	0.293122	0.814706	0.440979	0.864062	UP	819.4766	819.4756	819.477	31.133	31.11083
7592	M254T10_	1.891167	-0.91928	-0.82855	0.440988	0.864062	DOWN	254.4121	254.4119	254.4124	9.956417	9.869467
7593	M822T10_	1.271602	-0.34665	-0.82488	0.441047	0.864062	DOWN	821.865	821.8646	821.8655	9.902617	9.811217
7594	M771T10_	1.986779	0.990432	0.851674	0.441101	0.864062	UP	770.5427	770.5377	770.5431	9.811308	9.715683

7595	M804T10_	1.188145	-0.24871	-0.81195	0.441145	0.864062	DOWN	804.4889	804.4881	804.4898	10.26148	10.19852
7596	M326T16	1.116952	0.159567	0.825271	0.441247	0.864062	UP	326.2324	326.2323	326.2326	16.24279	16.21315
7597	M580T10_	1.367293	-0.45132	-0.82947	0.441275	0.864062	DOWN	579.8447	579.8444	579.8466	10.21012	10.12287
7598	M257T7_2	1.260859	0.334407	0.810212	0.441288	0.864062	UP	257.1841	257.1841	257.1842	6.998833	6.93925
7599	M217T10_	1.263299	-0.3372	-0.81495	0.441309	0.864062	DOWN	217.4295	217.4289	217.4299	9.830558	9.715683
7600	M619T10_	1.116961	0.159579	0.837543	0.441368	0.864062	UP	618.672	618.6715	618.6764	9.8207	9.699733
7601	M726T10_	1.156931	-0.2103	-0.81735	0.441386	0.864062	DOWN	726.1163	726.1155	726.1171	9.830283	9.699733
7602	M723T9_3	1.53909	-0.62208	-0.81006	0.441418	0.864062	DOWN	723.4218	723.4189	723.4226	9.306308	9.234417
7603	M211T11_	1.166089	-0.22168	-0.81005	0.441426	0.864062	DOWN	210.9084	210.9083	210.9086	10.89907	10.879
7604	M351T10_	2.423261	-1.27695	-0.82038	0.441449	0.864062	DOWN	351.2277	351.2215	351.2346	9.861342	9.665433
7605	M639T9_1	1.266543	-0.3409	-0.81073	0.441513	0.864062	DOWN	638.6471	638.6452	638.6476	9.205067	9.16125
7606	M966T10_	1.517017	0.601237	0.845021	0.44154	0.864062	UP	966.0082	966.0073	966.0098	9.9722	9.8753
7607	M787T11_	1.087806	0.121421	0.814167	0.44156	0.864062	UP	787.2386	787.2381	787.2404	10.90551	10.879
7608	M331T11_	1.114899	-0.15691	-0.80973	0.44157	0.864062	DOWN	330.6263	330.6262	330.6268	10.892	10.879
7609	M294T10_	1.219798	-0.28664	-0.80961	0.441587	0.864062	DOWN	294.1117	294.1109	294.1119	9.523383	9.447617
7610	M598T10_	1.344054	0.426591	0.82964	0.441648	0.864062	UP	597.8773	597.8764	597.881	9.809217	9.699733
7611	M455T10_	1.175168	-0.23287	-0.82563	0.441733	0.864062	DOWN	455.4954	455.495	455.4956	9.968992	9.859233
7612	M349T10_	1.044745	-0.06315	-0.81565	0.441782	0.864062	DOWN	349.2322	349.2321	349.2323	9.825492	9.715683
7613	M404T9_2	1.173271	-0.23054	-0.82772	0.441808	0.864062	DOWN	403.6575	403.6573	403.6579	9.449367	9.370583
7614	M246T11_	1.261489	-0.33513	-0.81547	0.441813	0.864062	DOWN	245.5648	245.5643	245.5649	10.91734	10.88995
7615	M711T10_	2.342375	1.227972	0.848076	0.441833	0.864062	UP	710.7687	710.7669	710.7697	9.859983	9.715683
7616	M281T10_	1.349329	0.432243	0.809104	0.441862	0.864062	UP	280.979	280.9787	280.9792	9.968092	9.8753
7617	M356T10_	1.290218	0.367614	0.815478	0.441938	0.864062	UP	356.134	356.1334	356.134	9.856867	9.715683
7618	M204T10_	1.249471	-0.32132	-0.82817	0.441942	0.864062	DOWN	204.0512	204.0437	204.0513	9.836367	9.715683
7619	M180T11_	1.140535	-0.18971	-0.82063	0.442068	0.864062	DOWN	180.149	180.1489	180.1491	10.89193	10.8646
7620	M327T25_	1.22401	-0.29162	-0.81259	0.442109	0.864062	DOWN	326.9161	326.9155	326.9165	25.17633	25.15567
7621	M987T10	1.217124	-0.28348	-0.81781	0.442167	0.864062	DOWN	987.2595	987.2586	987.2608	9.82645	9.715683
7622	M452T11_	1.13217	-0.17909	-0.80952	0.442417	0.864062	DOWN	452.1423	452.1421	452.1424	10.892	10.8646
7623	M440T9_3	1.327773	0.409009	0.841597	0.442437	0.864062	UP	440.1247	440.1244	440.125	9.284058	9.12675
7624	M507T10_	1.35216	0.435266	0.808017	0.442459	0.864062	UP	506.9573	506.9566	506.9594	10.4188	10.35992
7625	M759T10_	2.116595	1.081745	0.84852	0.442506	0.864062	UP	759.4525	759.4515	759.453	9.983817	9.859233
7626	M197T41_	1.186059	0.246176	0.84929	0.442512	0.864062	UP	197.1533	197.1532	197.1534	41.27317	41.15567
7627	M274T11_	1.202339	0.265844	0.808728	0.442561	0.864062	UP	273.7218	273.7207	273.7222	10.9049	10.879
7628	M399T31_	2.277674	1.187561	0.810385	0.442562	0.864062	UP	399.2144	399.2097	399.2188	31.12408	31.038
7629	M265T11_	1.169857	-0.22633	-0.8077	0.442622	0.864062	DOWN	265.0984	265.0983	265.0987	10.89875	10.8646

7630	M441T10_	1.300169	-0.3787	-0.80986	0.442632	0.864062	DOWN	440.9235	440.9229	440.924	9.845483	9.743767
7631	M337T9_1	3.166774	1.663014	0.849125	0.442633	0.864062	UP	337.0199	337.0196	337.0201	9.480467	9.38065
7632	M314T25_	1.108035	0.148003	0.827644	0.442636	0.864062	UP	314.3244	314.3241	314.3244	24.72467	24.71033
7633	M417T37	1.260889	0.334441	0.823023	0.442685	0.864062	UP	417.2479	417.2474	417.2481	36.94833	36.46833
7634	M635T9_1	1.310339	0.38994	0.808374	0.442807	0.864062	UP	634.7564	634.7557	634.7566	8.896158	8.82795
7635	M475T7	1.279093	-0.35512	-0.81665	0.442818	0.864062	DOWN	475.3245	475.3243	475.325	6.968375	6.881933
7636	M453T10_	1.142507	-0.1922	-0.82365	0.442873	0.864062	DOWN	452.7983	452.7981	452.7984	9.834067	9.73145
7637	M369T10_	1.472088	0.557864	0.812709	0.442915	0.864062	UP	368.6199	368.6198	368.62	9.887642	9.857983
7638	M423T23	1.314114	-0.39409	-0.82719	0.443015	0.864062	DOWN	422.7752	422.7747	422.7756	23.04483	23.01617
7639	M1463T10	2.002818	1.002031	0.844818	0.443092	0.864063	UP	1463.485	1463.482	1463.487	9.94455	9.853533
7640	M287T9_1	1.213174	-0.27879	-0.83018	0.443167	0.864063	DOWN	287.1873	287.1869	287.1878	8.8398	8.803967
7641	M210T10_	1.147419	-0.19839	-0.8244	0.443182	0.864063	DOWN	210.3212	210.3211	210.3213	9.871467	9.7634
7642	M277T11_	1.138961	-0.18772	-0.8075	0.443205	0.864063	DOWN	276.8129	276.8128	276.8131	10.892	10.8646
7643	M1049T10	1.074032	0.103037	0.818214	0.443223	0.864063	UP	1048.903	1048.903	1048.907	9.843017	9.728083
7644	M283T11_	1.313916	0.393873	0.829882	0.443296	0.864063	UP	282.9437	282.9436	282.9439	10.89907	10.88995
7645	M617T10_	1.605363	0.6829	0.847944	0.443383	0.864063	UP	616.9367	616.9361	616.9372	9.8207	9.715683
7646	M664T10_	1.258264	0.331434	0.816425	0.443414	0.864063	UP	664.27	664.2693	664.2718	9.818508	9.7124
7647	M838T10_	1.209661	-0.2746	-0.8249	0.44342	0.864063	DOWN	838.21	838.2093	838.2104	9.948875	9.843367
7648	M771T10_	1.526768	0.610481	0.841669	0.443428	0.864063	UP	770.5982	770.5938	770.5988	9.835675	9.715683
7649	M1976T10	1.097781	-0.13459	-0.82325	0.443491	0.864063	DOWN	1976.309	1976.308	1976.311	9.8207	9.715683
7650	M200T10_	1.179031	-0.2376	-0.81078	0.443516	0.864063	DOWN	199.8297	199.8296	199.8297	9.830283	9.715683
7651	M593T45	1.17798	-0.23632	-0.81868	0.443534	0.864063	DOWN	592.9259	592.9255	592.9266	44.98333	44.98333
7652	M733T3	1.295313	0.373301	0.805953	0.443569	0.864063	UP	733.4831	733.4826	733.484	3.4632	3.403517
7653	M418T42	1.121357	-0.16525	-0.84801	0.443571	0.864063	DOWN	418.2795	418.2794	418.2797	41.898	41.834
7654	M499T9_5	1.406518	0.492128	0.820336	0.443573	0.864063	UP	499.0222	499.0212	499.0225	9.15295	9.1175
7655	M311T11_	1.12254	0.166767	0.805983	0.443594	0.864063	UP	311.4516	311.4512	311.4521	10.92802	10.879
7656	M299T10_	1.174254	-0.23174	-0.82693	0.443598	0.864063	DOWN	298.6325	298.6324	298.6327	9.986767	9.8914
7657	M287T45	1.228724	-0.29716	-0.84027	0.443604	0.864063	DOWN	287.1486	287.1484	287.1488	44.696	44.39433
7658	M385T11_	1.147812	-0.19889	-0.80714	0.44369	0.864063	DOWN	384.6843	384.6839	384.6851	10.91265	10.879
7659	M249T23	1.482761	0.568286	0.84694	0.443703	0.864063	UP	249.182	249.1817	249.1821	23.03075	22.987
7660	M523T9_1	1.738003	-0.79743	-0.81036	0.443729	0.864063	DOWN	522.9528	522.9511	522.9573	9.406667	9.329083
7661	M1046T10	1.11898	0.162184	0.834731	0.443729	0.864063	UP	1045.725	1045.725	1045.727	9.823575	9.715683
7662	M264T11_	1.207072	-0.27151	-0.81243	0.443809	0.864063	DOWN	264.0261	264.026	264.0266	10.90519	10.879
7663	M395T11_	1.164169	0.219301	0.834679	0.44383	0.864063	UP	395.2309	395.2308	395.2314	10.89308	10.85838
7664	M297T10_	1.164458	-0.21966	-0.82023	0.443892	0.864063	DOWN	296.629	296.6288	296.6292	9.945258	9.827283

7665	M359T10_	1.157901	-0.21151	-0.83015	0.443901	0.864063	DOWN	359.2328	359.2327	359.233	9.916617	9.811217
7666	M514T16	1.177589	-0.23584	-0.83554	0.443944	0.864063	DOWN	514.3607	514.3602	514.361	15.58545	15.5625
7667	M336T9_9	1.364247	-0.4481	-0.80531	0.443957	0.864063	DOWN	336.4608	336.4584	336.4611	9.275917	9.21385
7668	M407T10_	1.101629	-0.13964	-0.81359	0.443975	0.864063	DOWN	407.2904	407.2902	407.2905	10.07398	9.971833
7669	M335T10_	1.177748	0.236031	0.813307	0.443995	0.864063	UP	334.8329	334.8325	334.8333	9.8207	9.699733
7670	M157T10_	1.169988	-0.22649	-0.81871	0.443995	0.864063	DOWN	157.4806	157.4804	157.4808	9.964092	9.859233
7671	M213T10_	1.093476	-0.12892	-0.82023	0.443997	0.864063	DOWN	213.0019	213.0019	213.002	9.8207	9.715683
7672	M1110T10	1.233348	0.302579	0.81683	0.444002	0.864063	UP	1109.718	1109.716	1109.721	9.945208	9.843367
7673	M287T10_	1.593323	-0.67204	-0.83215	0.44405	0.864063	DOWN	287.2327	287.2326	287.233	10.34472	10.32768
7674	M515T10_	2.265942	1.180111	0.847309	0.4441	0.864063	UP	515.3268	515.3257	515.3287	9.718283	9.602967
7675	M254T10_	1.202089	-0.26554	-0.8071	0.444247	0.864063	DOWN	254.172	254.1718	254.1723	9.76065	9.636483
7676	M291T9_4	1.210838	-0.27601	-0.80593	0.444304	0.864063	DOWN	290.6718	290.671	290.6729	9.206	9.147367
7677	M1994T10	1.239803	-0.31011	-0.80852	0.444307	0.864063	DOWN	1993.661	1993.659	1993.666	9.8374	9.699733
7678	M313T30	1.320732	0.401338	0.83227	0.44439	0.864063	UP	313.2348	313.2347	313.2349	29.90625	29.90533
7679	M539T9_4	1.137132	-0.1854	-0.82639	0.444394	0.864063	DOWN	539.4154	539.4152	539.4155	9.458142	9.355317
7680	M712T10_	1.213408	-0.27906	-0.83069	0.44442	0.864063	DOWN	712.1294	712.1288	712.13	9.972833	9.859233
7681	M384T9_6	1.244683	-0.31578	-0.80488	0.444442	0.864063	DOWN	384.4383	384.4322	384.4389	9.333267	9.249433
7682	M548T44_	1.15177	0.203852	0.825038	0.44445	0.864063	UP	548.3063	548.3061	548.3065	44.34392	44.2505
7683	M697T9_4	1.471325	-0.55712	-0.80619	0.444542	0.864063	DOWN	696.7434	696.7426	696.7442	9.263367	9.219483
7684	M359T14	2.941053	-1.55633	-0.84156	0.444551	0.864063	DOWN	359.2803	359.2799	359.2808	13.62439	13.58025
7685	M223T11_	1.182974	-0.24242	-0.80523	0.444625	0.864063	DOWN	223.2694	223.2693	223.2695	10.91642	10.90553
7686	M855T10	1.438899	0.524965	0.833938	0.444821	0.864063	UP	855.4264	855.4255	855.4273	9.961333	9.843367
7687	M402T11_	1.346607	0.429329	0.803621	0.444903	0.864063	UP	401.8393	401.836	401.842	10.92828	10.90393
7688	M199T45	1.130249	-0.17664	-0.81522	0.444954	0.864063	DOWN	199.1326	199.1325	199.1327	44.56658	44.35083
7689	M277T11_	1.215232	-0.28123	-0.80571	0.444961	0.864063	DOWN	277.3855	277.3851	277.3856	10.8926	10.85018
7690	M331T11_	1.160411	-0.21464	-0.80367	0.445021	0.864063	DOWN	331.3766	331.3765	331.3769	10.9049	10.87765
7691	M488T10_	1.564185	0.645411	0.839374	0.445026	0.864063	UP	488.1755	488.1753	488.1758	9.979667	9.8753
7692	M473T9_1	2.011894	1.008554	0.842408	0.445172	0.864063	UP	473.3291	473.3282	473.3297	9.146383	9.110833
7693	M393T15_	1.254014	-0.32655	-0.80301	0.445176	0.864063	DOWN	393.0979	393.0977	393.0979	15.29263	15.26455
7694	M173T9_2	2.120938	1.084702	0.840162	0.445193	0.864063	UP	172.7612	172.7606	172.7617	9.18975	9.079083
7695	M619T10_	2.159108	1.110435	0.845615	0.445222	0.864063	UP	619.4642	619.4634	619.4678	9.85525	9.743667
7696	M678T3	1.436906	-0.52297	-0.80318	0.445246	0.864063	DOWN	678.4994	678.4988	678.4995	3.2799	3.257667
7697	M224T11_	1.615729	-0.69219	-0.80945	0.445253	0.864063	DOWN	223.7006	223.7	223.701	10.93208	10.87708
7698	M393T19_	1.07444	-0.10359	-0.80677	0.445305	0.864063	DOWN	393.3107	393.3104	393.311	18.95125	18.943
7699	M422T11_	1.210624	-0.27575	-0.80416	0.445331	0.864063	DOWN	421.6483	421.6479	421.6489	10.9049	10.879

7700	M385T9_7	1.340624	-0.4229	-0.80732	0.445337	0.864063	DOWN	385.0689	385.0686	385.0692	9.1602	9.11405
7701	M776T21	1.12899	-0.17503	-0.80314	0.445467	0.864063	DOWN	775.561	775.5605	775.5614	21.15067	21.13033
7702	M213T10_	1.26892	0.343601	0.802429	0.44551	0.864064	UP	212.5622	212.5619	212.5726	9.824233	9.78735
7703	M817T10_	1.236511	-0.30628	-0.80339	0.445554	0.864064	DOWN	817.2276	817.2267	817.2283	9.932033	9.827283
7704	M233T11_	1.200851	-0.26406	-0.80577	0.445557	0.864064	DOWN	233.1032	233.1031	233.1034	10.9049	10.87708
7705	M414T9_7	1.204366	-0.26827	-0.80509	0.445637	0.864064	DOWN	413.8391	413.8366	413.8395	9.312658	9.129317
7706	M835T15	1.276425	-0.35211	-0.82189	0.445684	0.864064	DOWN	835.437	835.4366	835.4384	15.48267	15.44327
7707	M460T43_	1.231005	0.299836	0.802315	0.445707	0.864064	UP	460.2901	460.2899	460.2902	43.2145	43.17183
7708	M380T20_	1.199394	0.262306	0.804011	0.445764	0.864064	UP	380.2792	380.2789	380.2796	19.62092	19.58383
7709	M218T11_	1.271305	-0.34631	-0.80262	0.445786	0.864064	DOWN	217.8294	217.8293	217.8297	10.91386	10.8214
7710	M753T10_	1.193961	0.255756	0.821959	0.445872	0.864064	UP	753.3273	753.3263	753.3283	9.823575	9.699733
7711	M359T10_	2.548001	-1.34937	-0.81393	0.44604	0.864064	DOWN	359.2095	359.2092	359.2206	9.975217	9.8914
7712	M375T9_4	1.959781	0.970692	0.838375	0.446144	0.864064	UP	375.2414	375.237	375.2487	9.101967	9.056733
7713	M788T9_2	1.407977	-0.49362	-0.8013	0.446147	0.864064	DOWN	788.4623	788.4601	788.4633	8.974933	8.799267
7714	M383T11_	1.377956	0.46253	0.837161	0.446157	0.864064	UP	382.6641	382.6639	382.665	10.90522	10.879
7715	M583T10_	1.172082	0.229074	0.815775	0.446159	0.864064	UP	583.124	583.1226	583.1245	9.986767	9.8753
7716	M323T9_5	1.121968	-0.16603	-0.80118	0.446195	0.864064	DOWN	323.0774	323.0771	323.0778	9.285558	9.129317
7717	M268T9_2	1.229568	-0.29815	-0.80624	0.446214	0.864064	DOWN	267.9847	267.9846	267.9848	8.772642	8.682683
7718	M410T23_	1.357724	0.44119	0.801887	0.446261	0.864064	UP	409.6214	409.621	409.622	22.95817	22.91483
7719	M575T11	1.809372	0.855489	0.840832	0.44649	0.864064	UP	575.3759	575.3756	575.3765	10.93622	10.88995
7720	M203T8_1	1.349839	0.432787	0.80104	0.446526	0.864064	UP	203.0077	203.0076	203.0113	7.962458	7.853817
7721	M236T9_1	1.25394	-0.32647	-0.80379	0.446548	0.864064	DOWN	236.3643	236.3604	236.3648	9.26575	9.1503
7722	M624T45_	1.135595	0.183448	0.818634	0.446551	0.864064	UP	623.9543	623.954	623.9546	44.98342	44.98283
7723	M254T11_	1.143194	-0.19307	-0.80096	0.446593	0.864064	DOWN	253.6081	253.608	253.6088	10.89875	10.8646
7724	M399T12_	1.246183	0.317516	0.800736	0.446616	0.864064	UP	398.7921	398.7917	398.7924	12.3975	12.3538
7725	M380T9_1	1.535301	0.618522	0.832951	0.446737	0.864064	UP	379.6167	379.6152	379.6193	9.2965	9.061
7726	M487T10_	1.137531	-0.18591	-0.80117	0.446806	0.864064	DOWN	486.8153	486.815	486.8157	9.985117	9.8753
7727	M326T10_	1.466308	0.552189	0.824199	0.446873	0.864064	UP	325.726	325.7257	325.7261	9.951283	9.859233
7728	M540T9_1	1.128062	0.173847	0.825777	0.44691	0.864064	UP	540.0285	540.0281	540.029	8.817842	8.715883
7729	M251T10_	1.390957	0.476077	0.81988	0.446952	0.864064	UP	251.3628	251.3626	251.3629	9.946467	9.843367
7730	M159T11	1.378515	-0.46311	-0.81009	0.447164	0.864064	DOWN	159.1975	159.1974	159.1975	10.84828	10.8214
7731	M681T10_	1.060817	-0.08518	-0.79941	0.447189	0.864064	DOWN	680.5121	680.5116	680.5131	9.842908	9.715683
7732	M835T11_	1.144838	-0.19514	-0.79984	0.447235	0.864064	DOWN	835.0192	835.0189	835.0194	10.65349	10.61512
7733	M640T9_5	1.257189	-0.3302	-0.83379	0.447282	0.864064	DOWN	640.4572	640.457	640.4573	9.491642	9.416817
7734	M478T9_4	2.068126	1.048324	0.837541	0.44735	0.864064	UP	478.2553	478.2487	478.2556	9.251508	9.129317

7735	M1636T10	1.190237	0.251248	0.815935	0.447399	0.864064	UP	1635.898	1635.891	1635.9	9.902208	9.853533
7736	M552T9_6	1.94106	0.956845	0.837112	0.447429	0.864064	UP	551.8814	551.8764	551.8831	9.20785	9.1036
7737	M396T9_8	1.58319	0.662834	0.80456	0.447442	0.864064	UP	396.0316	396.0274	396.0321	9.07145	8.922033
7738	M628T28	1.126269	0.171552	0.803102	0.447504	0.864064	UP	628.1835	628.1831	628.1842	27.61083	27.59033
7739	M377T11_	1.301573	-0.38026	-0.80926	0.447589	0.864064	DOWN	377.2797	377.2701	377.2802	11.15472	10.9049
7740	M408T11_	1.607128	0.684485	0.825902	0.447621	0.864064	UP	408.1261	408.1258	408.1264	10.91181	10.879
7741	M1815T10	1.900548	0.926416	0.825811	0.447698	0.864064	UP	1815.196	1815.195	1815.199	9.903017	9.827283
7742	M854T10_	1.110325	-0.15098	-0.79972	0.447716	0.864064	DOWN	853.7762	853.7746	853.7772	9.964417	9.8753
7743	M235T9_5	1.506264	0.590974	0.801034	0.447763	0.864064	UP	234.8631	234.86	234.8657	9.365817	9.132267
7744	M534T43_	1.182983	-0.24243	-0.79839	0.447968	0.864065	DOWN	534.3269	534.3268	534.3269	43.3425	43.22917
7745	M520T44_	1.135261	0.183023	0.810378	0.44803	0.864065	UP	520.3113	520.3111	520.3114	43.5745	43.474
7746	M304T25_	1.089583	-0.12378	-0.80678	0.448038	0.864065	DOWN	304.2844	304.2842	304.2845	24.6955	24.68133
7747	M1097T10	1.154787	-0.20763	-0.82506	0.448064	0.864065	DOWN	1097.34	1097.338	1097.341	9.967367	9.859233
7748	M219T9_6	1.288262	0.365426	0.800417	0.448075	0.864065	UP	218.8962	218.8941	218.8965	9.319942	9.1602
7749	M321T18	1.177754	-0.23604	-0.83453	0.448141	0.864065	DOWN	321.1672	321.1671	321.1672	17.74733	17.70517
7750	M359T10_	1.313643	0.393573	0.811794	0.448186	0.864065	UP	358.6187	358.613	358.6189	9.964092	9.840617
7751	M205T10_	1.334852	0.41668	0.833451	0.448195	0.864065	UP	205.1781	205.1779	205.1783	9.855658	9.73145
7752	M228T10_	1.316943	-0.39719	-0.80343	0.448315	0.864065	DOWN	228.4973	228.4972	228.4975	9.9351	9.853533
7753	M571T10_	1.107907	-0.14784	-0.80284	0.448368	0.864065	DOWN	570.6836	570.683	570.684	9.932033	9.827283
7754	M848T10_	1.226441	-0.29448	-0.79818	0.448429	0.864065	DOWN	848.3746	848.3742	848.3752	9.916483	9.811217
7755	M396T39_	1.120208	0.163767	0.828164	0.448528	0.864065	UP	396.2225	396.2224	396.2228	38.8415	38.597
7756	M380T9_8	1.375821	0.460293	0.814064	0.448545	0.864065	UP	380.3865	380.3857	380.3881	9.203483	9.12675
7757	M1076T10	1.094691	-0.13052	-0.82874	0.448559	0.864065	DOWN	1076.137	1076.135	1076.137	9.752875	9.636483
7758	M1553T10	1.343288	-0.42577	-0.81788	0.448584	0.864065	DOWN	1552.876	1552.875	1552.878	10.19027	10.13368
7759	M954T10_	1.277039	-0.3528	-0.79732	0.448661	0.864065	DOWN	953.6871	953.6867	953.6895	9.508883	9.38595
7760	M411T41	1.054755	-0.07691	-0.80702	0.448731	0.864065	DOWN	411.3465	411.3465	411.3468	40.78867	40.755
7761	M228T9_8	1.149363	-0.20084	-0.81596	0.44874	0.864065	DOWN	227.9721	227.9719	227.9722	8.7536	8.686867
7762	M201T10_	1.18737	0.247769	0.822181	0.448805	0.864065	UP	201.3625	201.3623	201.3625	9.816183	9.715683
7763	M473T9_3	1.170614	0.227266	0.806628	0.448911	0.864065	UP	472.9275	472.9271	472.9276	9.47395	9.245983
7764	M600T10_	3.121982	1.642462	0.837743	0.448935	0.864065	UP	600.2873	600.2864	600.2913	10.07917	9.840617
7765	M288T10_	1.265324	0.339507	0.831767	0.448936	0.864065	UP	287.7187	287.7186	287.7189	9.8802	9.772883
7766	M508T39_	1.343433	0.425925	0.838127	0.448996	0.864065	UP	508.2749	508.2749	508.2752	39.28033	39.20133
7767	M253T11_	1.162375	-0.21708	-0.79645	0.449059	0.864065	DOWN	252.9539	252.9537	252.954	10.89907	10.879
7768	M315T41_	1.096654	0.133108	0.798735	0.449098	0.864065	UP	315.1799	315.1799	315.1802	41.47433	41.25283
7769	M254T11_	1.144743	-0.19502	-0.79887	0.449105	0.864065	DOWN	254.112	254.1119	254.1128	10.89875	10.8646

7770	M477T9_6	2.624589	1.392092	0.835008	0.449172	0.864065	UP	477.1709	477.1649	477.1711	9.1036	9.053483
7771	M476T10_	1.07384	0.102779	0.815084	0.449248	0.864065	UP	476.3106	476.31	476.3114	10.44611	10.40807
7772	M498T10_	1.223914	-0.2915	-0.80297	0.449248	0.864065	DOWN	498.1996	498.1992	498.1999	9.5265	9.432183
7773	M414T9_3	1.26558	-0.3398	-0.79559	0.449349	0.864065	DOWN	413.7178	413.7175	413.7181	9.146383	9.110833
7774	M169T10_	1.392176	0.477342	0.810365	0.449506	0.864065	UP	168.8815	168.8814	168.8816	9.958617	9.859233
7775	M420T9_2	1.331552	0.413109	0.798101	0.449541	0.864065	UP	419.7215	419.7206	419.722	9.2585	9.175017
7776	M319T10_	1.100532	0.138201	0.795191	0.449572	0.864065	UP	318.5886	318.5882	318.5887	9.972483	9.859233
7777	M413T10_	1.124988	-0.16991	-0.80399	0.449609	0.864065	DOWN	412.8704	412.8702	412.8706	9.948875	9.843367
7778	M377T35	2.085929	-1.06069	-0.82476	0.449642	0.864065	DOWN	376.8147	376.8145	376.815	35.18558	35.152
7779	M232T11_	1.128716	-0.17468	-0.79765	0.449706	0.864065	DOWN	232.1277	232.1277	232.128	10.90519	10.879
7780	M813T11_	1.21661	-0.28287	-0.80427	0.449732	0.864065	DOWN	813.3634	813.3627	813.3646	11.13275	11.08352
7781	M621T10_	1.380709	0.465409	0.834766	0.449752	0.864065	UP	621.1702	621.1696	621.1742	9.830558	9.715683
7782	M379T9_1	1.181008	-0.24002	-0.82249	0.449778	0.864065	DOWN	379.2633	379.263	379.2636	9.06315	9.048117
7783	M401T10_	1.769251	0.823139	0.828059	0.449806	0.864065	UP	401.2613	401.2548	401.2621	9.634475	9.4468
7784	M281T11_	1.148452	-0.19969	-0.79874	0.449998	0.864065	DOWN	280.9595	280.9593	280.9598	10.93018	10.90765
7785	M412T10_	1.112247	-0.15348	-0.80138	0.450016	0.864065	DOWN	412.0608	412.0606	412.0609	9.94785	9.843367
7786	M375T9_5	1.238707	0.308836	0.799274	0.450036	0.864065	UP	375.2647	375.259	375.2713	9.278342	9.20785
7787	M455T9_8	1.18038	-0.23925	-0.79474	0.450043	0.864065	DOWN	454.9943	454.9937	454.9944	9.277317	9.129317
7788	M717T11	1.322059	0.402787	0.794018	0.450153	0.864065	UP	717.4028	717.4023	717.4031	11.49131	11.4686
7789	M797T9_3	1.314878	-0.39493	-0.80135	0.450154	0.864065	DOWN	797.0794	797.0771	797.082	8.718275	8.578067
7790	M606T25	1.16304	-0.2179	-0.80753	0.45016	0.864065	DOWN	606.4625	606.4623	606.4628	24.55108	24.543
7791	M361T9_3	1.460675	-0.54664	-0.79425	0.450184	0.864065	DOWN	360.966	360.9659	360.9675	9.325333	9.24215
7792	M698T10_	1.163167	-0.21806	-0.82409	0.450238	0.864065	DOWN	698.4847	698.4843	698.4857	9.8736	9.7634
7793	M201T9_1	1.526529	-0.61025	-0.79503	0.450276	0.864065	DOWN	200.9971	200.9969	200.998	9.272583	9.202433
7794	M1840T10	1.76207	0.817271	0.831126	0.450401	0.864065	UP	1840.113	1840.109	1840.116	9.82645	9.6681
7795	M365T11_	1.24713	0.318612	0.798692	0.450411	0.864065	UP	364.6657	364.6651	364.6671	10.90551	10.879
7796	M748T10_	1.117455	0.160217	0.83082	0.450469	0.864066	UP	747.6237	747.6216	747.6248	9.825767	9.715683
7797	M342T19	1.13755	0.18593	0.803895	0.450633	0.864066	UP	342.3001	342.2996	342.3008	18.81958	18.80583
7798	M684T10_	1.141515	-0.19095	-0.80637	0.450715	0.864066	DOWN	683.5291	683.5283	683.5294	9.825767	9.715683
7799	M1890T10	1.251027	-0.32311	-0.80353	0.45097	0.864066	DOWN	1889.74	1889.739	1889.742	9.8207	9.715683
7800	M745T4	1.317006	0.397262	0.792695	0.451042	0.864066	UP	745.4466	745.4462	745.4473	3.558683	3.491133
7801	M801T31	1.164331	-0.2195	-0.81722	0.451129	0.864066	DOWN	801.4976	801.4966	801.4981	31.24275	31.23367
7802	M639T16	1.133557	-0.18086	-0.79739	0.45117	0.864066	DOWN	639.4452	639.4448	639.4456	15.55916	15.54018
7803	M441T10_	1.157568	-0.2111	-0.81516	0.451174	0.864066	DOWN	441.1681	441.1676	441.1683	9.962808	9.859233
7804	M704T10_	1.109689	-0.15016	-0.80621	0.451196	0.864066	DOWN	704.4627	704.4617	704.4633	9.867392	9.73145

7805	M441T10_	1.846096	0.884477	0.792061	0.4512	0.864066	UP	441.3947	441.3941	441.3952	9.916525	9.649833
7806	M264T11_	1.233414	-0.30266	-0.80069	0.451215	0.864066	DOWN	264.3994	264.3989	264.3997	10.8926	10.873
7807	M478T10_	1.129236	-0.17535	-0.8122	0.451279	0.864066	DOWN	477.6272	477.6261	477.6277	10.3044	10.26607
7808	M1040T10	1.182946	-0.24238	-0.79495	0.451339	0.864066	DOWN	1039.63	1039.629	1039.631	9.8207	9.715683
7809	M410T10_	1.924362	0.94438	0.832815	0.451345	0.864066	UP	410.0679	410.0676	410.0679	9.951283	9.853533
7810	M434T9_1	1.187863	0.248368	0.797873	0.451368	0.864066	UP	434.0724	434.0719	434.0728	9.204217	9.158833
7811	M704T10_	1.137025	0.185263	0.829632	0.451495	0.864066	UP	703.5969	703.5966	703.5972	9.85045	9.73145
7812	M785T10_	1.107996	-0.14795	-0.79969	0.451533	0.864066	DOWN	785.414	785.4138	785.4146	9.544775	9.432183
7813	M967T11	1.124986	-0.16991	-0.79143	0.451552	0.864066	DOWN	967.4899	967.489	967.4908	10.90519	10.879
7814	M299T10_	1.303088	-0.38193	-0.79298	0.451556	0.864066	DOWN	298.7274	298.7268	298.7276	9.942317	9.827283
7815	M511T10_	1.212178	-0.2776	-0.8134	0.451564	0.864066	DOWN	511.0407	511.0403	511.042	9.874317	9.747533
7816	M288T11_	1.31413	0.394108	0.83256	0.451574	0.864066	UP	288.1805	288.1804	288.1806	10.74955	10.69717
7817	M620T35	1.255514	-0.32828	-0.83234	0.451767	0.864066	DOWN	620.3639	620.3637	620.364	34.60983	34.51267
7818	M360T9_8	1.293378	0.371144	0.795334	0.451822	0.864066	UP	359.9845	359.9842	359.9868	8.931783	8.7875
7819	M257T10_	1.158931	0.212795	0.793646	0.451905	0.864066	UP	257.1353	257.1333	257.1357	9.946467	9.650367
7820	M227T9_1	2.422232	1.276337	0.796278	0.452031	0.864066	UP	227.2158	227.2092	227.2215	8.7779	8.405567
7821	M202T9_1	1.34191	0.424287	0.795285	0.452043	0.864066	UP	201.5284	201.5278	201.529	9.276658	9.132267
7822	M505T10_	1.075021	-0.10436	-0.82524	0.452063	0.864066	DOWN	505.306	505.3053	505.3077	10.3828	10.32768
7823	M826T10_	1.178886	0.237424	0.791316	0.452083	0.864066	UP	825.8975	825.8971	825.8984	9.944392	9.827283
7824	M711T9_1	1.556001	-0.63784	-0.80555	0.452116	0.864066	DOWN	710.5077	710.5063	710.5088	8.728617	8.672483
7825	M409T10_	1.729243	0.79014	0.828953	0.452173	0.864066	UP	408.7842	408.7839	408.7844	9.935675	9.827283
7826	M634T10_	1.194147	-0.25598	-0.79188	0.452176	0.864066	DOWN	634.2164	634.216	634.2174	9.958617	9.859233
7827	M1974T10	1.194868	-0.25685	-0.79503	0.452178	0.864066	DOWN	1974.052	1974.05	1974.059	9.830558	9.715683
7828	M363T10_	1.97346	0.980727	0.828951	0.452249	0.864066	UP	362.6315	362.6313	362.6318	9.770733	9.758367
7829	M1474T9	1.276208	-0.35186	-0.79368	0.45225	0.864066	DOWN	1473.68	1473.678	1473.686	9.252983	9.06855
7830	M357T11_	1.203577	-0.26733	-0.80521	0.45228	0.864066	DOWN	356.8272	356.827	356.8279	10.91987	10.88747
7831	M784T10_	1.231207	-0.30007	-0.79812	0.452293	0.864066	DOWN	784.3296	784.3291	784.3302	9.6457	9.52595
7832	M247T13	1.337891	0.419961	0.817036	0.452358	0.864066	UP	247.1301	247.1299	247.1303	13.39046	13.31815
7833	M198T10_	1.168255	-0.22436	-0.81495	0.452377	0.864066	DOWN	197.6907	197.6906	197.6908	9.988125	9.8914
7834	M283T8	1.66046	0.731583	0.814104	0.452403	0.864066	UP	283.0695	283.0694	283.0695	8.2012	8.15375
7835	M355T9_5	1.58069	-0.66055	-0.82287	0.452447	0.864066	DOWN	355.2274	355.2228	355.2319	8.979867	8.83365
7836	M466T22_	1.149956	-0.20158	-0.79293	0.452494	0.864066	DOWN	466.3734	466.373	466.3737	21.58058	21.56633
7837	M1047T10	1.113349	-0.15491	-0.81069	0.452536	0.864066	DOWN	1046.728	1046.726	1046.729	9.825492	9.699733
7838	M175T10_	1.529325	0.612895	0.828751	0.45263	0.864066	UP	175.1227	175.1226	175.1228	9.967367	9.869467
7839	M265T11_	1.111051	-0.15193	-0.78935	0.452666	0.864066	DOWN	265.0572	265.057	265.0575	10.90628	10.8646



7840	M509T11_	1.214381	-0.28022	-0.81176	0.452729	0.864066	DOWN	509.4055	509.4045	509.4058	10.87708	10.8628
7841	M404T39_	1.50255	0.587413	0.822086	0.452836	0.864066	UP	404.2639	404.2637	404.2642	38.5545	38.2945
7842	M374T20	1.440349	-0.52642	-0.79341	0.452883	0.864066	DOWN	373.773	373.7727	373.7733	20.36792	20.36033
7843	M742T10_	2.363048	1.240649	0.827217	0.452951	0.864067	UP	742.3854	742.3851	742.3858	9.791825	9.683817
7844	M346T9_7	1.356272	0.439646	0.817953	0.452967	0.864067	UP	345.9611	345.9581	345.9632	9.343517	9.175017
7845	M436T9_9	1.116591	0.159101	0.807635	0.453006	0.864067	UP	436.2124	436.2122	436.2127	9.18195	9.12675
7846	M1925T10	1.130455	0.176904	0.789367	0.45301	0.864067	UP	1925.436	1925.435	1925.438	9.830558	9.715683
7847	M852T10_	1.076418	-0.10624	-0.81831	0.453038	0.864067	DOWN	851.566	851.5658	851.5665	9.934533	9.827283
7848	M567T9_2	1.219208	-0.28594	-0.79809	0.453103	0.864067	DOWN	566.6374	566.6315	566.6377	9.43365	9.26025
7849	M211T10_	1.220049	0.28694	0.826141	0.453248	0.864067	UP	210.9477	210.9474	210.9479	9.887567	9.762917
7850	M305T9_3	1.284833	-0.36158	-0.8032	0.453249	0.864067	DOWN	305.1348	305.1279	305.135	9.317	9.234417
7851	M352T42	1.062499	-0.08746	-0.82708	0.453282	0.864067	DOWN	352.1966	352.1964	352.1966	42.03533	41.99217
7852	M350T40_	1.097285	-0.13394	-0.82834	0.453319	0.864067	DOWN	350.2173	350.217	350.2173	39.96367	39.79117
7853	M780T10_	1.587575	-0.66682	-0.79669	0.453324	0.864067	DOWN	780.468	780.4649	780.4686	9.979667	9.9009
7854	M323T26_	1.263412	-0.33733	-0.78812	0.453346	0.864067	DOWN	323.4921	323.492	323.4923	26.0075	25.89433
7855	M659T10_	4.061997	-2.02219	-0.82615	0.453434	0.864067	DOWN	658.5012	658.4997	658.5024	9.844517	9.715683
7856	M410T10_	1.575047	0.655395	0.803674	0.45344	0.864067	UP	410.1468	410.1453	410.1499	9.933967	9.859667
7857	M523T9_3	1.199	-0.26183	-0.79078	0.45348	0.864067	DOWN	523.1252	523.1243	523.1259	9.280992	9.129317
7858	M273T9_2	1.3578	-0.44127	-0.78822	0.453495	0.864067	DOWN	272.699	272.6989	272.6991	9.37735	9.30295
7859	M154T10_	1.279641	-0.35574	-0.78924	0.453512	0.864067	DOWN	153.5497	153.5495	153.55	9.90185	9.830283
7860	M420T25	1.733096	-0.79335	-0.79478	0.453532	0.864067	DOWN	420.2016	420.2012	420.202	25.07033	25.03
7861	M561T10_	1.130454	-0.1769	-0.80707	0.453572	0.864067	DOWN	561.1189	561.1188	561.1191	9.983467	9.8753
7862	M434T10_	1.154361	-0.20709	-0.79667	0.453601	0.864067	DOWN	433.5397	433.5391	433.5406	9.968992	9.859233
7863	M1555T10	1.369311	0.45345	0.807227	0.453627	0.864067	UP	1554.625	1554.622	1554.626	9.968992	9.859233
7864	M264T11_	1.107593	-0.14743	-0.78799	0.453649	0.864067	DOWN	264.0672	264.0671	264.0676	10.89772	10.8646
7865	M332T17_	1.563454	-0.64474	-0.78872	0.453671	0.864067	DOWN	332.1939	332.1927	332.195	17.02992	16.97217
7866	M217T10_	1.216401	0.282619	0.792616	0.45368	0.864067	UP	217.296	217.2958	217.3044	9.946367	9.859233
7867	M232T20	1.151007	-0.2029	-0.80385	0.453693	0.864067	DOWN	232.1694	232.1692	232.1695	20.41808	20.40333
7868	M300T30_	1.205634	-0.26979	-0.79276	0.453852	0.864067	DOWN	300.1646	300.1645	300.1647	29.83392	29.81917
7869	M399T11_	1.097766	-0.13457	-0.79086	0.45386	0.864067	DOWN	399.4041	399.4041	399.4047	10.91983	10.90197
7870	M300T10_	1.844552	0.88327	0.827183	0.453881	0.864067	UP	299.712	299.7116	299.7198	9.531725	9.38665
7871	M540T9_4	1.137325	-0.18564	-0.80201	0.453933	0.864067	DOWN	540.4188	540.4186	540.419	9.458142	9.355317
7872	M303T10_	1.091066	0.125738	0.789854	0.45409	0.864067	UP	302.5873	302.5871	302.5877	9.932033	9.811217
7873	M618T9_2	1.661699	0.732659	0.825062	0.454119	0.864067	UP	618.0372	618.029	618.038	9.166033	9.126783
7874	M216T9_1	1.305454	-0.38455	-0.78682	0.454167	0.864067	DOWN	215.723	215.7226	215.7232	9.280767	9.275917

7875	M365T21	1.670429	-0.74022	-0.80088	0.45417	0.864067	DOWN	365.2771	365.2765	365.2778	21.33683	21.30867
7876	M236T10_	1.768088	0.82219	0.822032	0.454218	0.864067	UP	236.1551	236.1547	236.1553	9.956417	9.859233
7877	M483T11	1.993854	0.99556	0.826762	0.454371	0.864067	UP	483.201	483.1994	483.2034	10.97928	10.85018
7878	M272T10_	1.263667	-0.33762	-0.80422	0.454438	0.864067	DOWN	272.2457	272.2454	272.2458	9.809217	9.7124
7879	M338T10_	1.699652	-0.76524	-0.79258	0.454583	0.864067	DOWN	338.0938	338.0904	338.0953	9.871042	9.827283
7880	M562T45_	1.574451	-0.65485	-0.80972	0.454624	0.864067	DOWN	562.3219	562.3218	562.3221	44.96917	44.9525
7881	M778T12	1.519537	0.603632	0.81821	0.454708	0.864067	UP	778.4694	778.4689	778.4705	12.0037	11.97343
7882	M394T11_	1.098566	-0.13562	-0.78593	0.454876	0.864067	DOWN	393.6781	393.6779	393.6782	10.892	10.879
7883	M1636T10	1.333835	-0.41558	-0.79346	0.454899	0.864067	DOWN	1636.13	1636.127	1636.136	9.951283	9.859233
7884	M567T9_5	2.267727	1.181247	0.821254	0.454916	0.864067	UP	567.4969	567.4967	567.4975	9.438833	9.355317
7885	M637T10_	1.520456	0.604504	0.8261	0.454982	0.864067	UP	636.8402	636.8397	636.8438	9.828642	9.699733
7886	M454T9_1	1.532147	-0.61555	-0.78557	0.455027	0.864067	DOWN	453.5296	453.5217	453.5332	9.245983	9.1445
7887	M258T10_	1.193597	-0.25532	-0.79094	0.455063	0.864067	DOWN	258.3846	258.3793	258.3903	9.82075	9.665433
7888	M1951T10	1.368904	-0.45302	-0.78711	0.455275	0.864067	DOWN	1951.479	1951.475	1951.481	9.825492	9.728083
7889	M229T10_	1.495055	-0.5802	-0.79145	0.455277	0.864067	DOWN	229.4077	229.4076	229.4081	9.917208	9.859667
7890	M349T10_	1.616708	0.69306	0.825728	0.455282	0.864067	UP	349.4322	349.4321	349.4326	9.830733	9.715683
7891	M1035T10	1.225771	-0.29369	-0.79357	0.455319	0.864067	DOWN	1034.69	1034.689	1034.691	9.91875	9.88865
7892	M343T10_	1.090325	-0.12476	-0.80307	0.45539	0.864067	DOWN	343.3066	343.3064	343.3069	9.872475	9.7634
7893	M398T43_	1.1176	-0.1604	-0.82008	0.455394	0.864067	DOWN	398.2382	398.2381	398.2383	42.5535	42.35183
7894	M471T11_	1.211068	0.27628	0.790824	0.455478	0.864068	UP	470.5875	470.5868	470.5887	10.90785	10.82972
7895	M1988T10	1.3586	-0.44212	-0.80782	0.455636	0.864068	DOWN	1988.124	1988.123	1988.127	9.972483	9.859233
7896	M563T11_	1.305878	-0.38502	-0.79582	0.455657	0.864068	DOWN	563.025	563.0236	563.0319	10.63933	10.49965
7897	M243T9_1	1.249412	-0.32125	-0.7854	0.455698	0.864068	DOWN	242.5094	242.5091	242.5096	8.759725	8.63795
7898	M414T17	1.134048	-0.18148	-0.79034	0.455782	0.864068	DOWN	414.1764	414.176	414.1769	16.782	16.76767
7899	M524T9_5	1.342976	-0.42543	-0.78467	0.455901	0.864068	DOWN	524.1927	524.1923	524.1936	9.153292	9.11405
7900	M636T10_	1.058655	-0.08223	-0.78354	0.455954	0.864068	DOWN	635.8492	635.8484	635.8514	9.823575	9.715683
7901	M370T29_	1.330051	-0.41148	-0.78515	0.455992	0.864068	DOWN	369.5986	369.5985	369.5988	28.79167	28.7035
7902	M311T24_	1.420602	-0.5065	-0.78594	0.456028	0.864068	DOWN	310.6505	310.6502	310.6509	23.93767	23.89983
7903	M370T29_	1.32222	-0.40296	-0.78637	0.456117	0.864068	DOWN	369.9331	369.9329	369.9332	28.7745	28.70617
7904	M474T42_	1.270711	0.345636	0.817019	0.456293	0.864068	UP	474.2694	474.2693	474.2697	42.3805	42.23667
7905	M295T10_	1.177241	0.23541	0.793722	0.456311	0.864068	UP	294.819	294.8189	294.8193	9.95385	9.853533
7906	M386T11_	1.153022	-0.20542	-0.78301	0.456464	0.864068	DOWN	385.8332	385.8327	385.8338	10.91265	10.879
7907	M228T11_	1.097216	-0.13385	-0.78383	0.456477	0.864068	DOWN	228.0952	228.0951	228.0954	10.92728	10.90197
7908	M418T9_5	1.293444	0.371218	0.782458	0.456572	0.864068	UP	417.996	417.9881	417.9968	9.18975	9.1445
7909	M355T10_	2.037452	1.026766	0.820568	0.456584	0.864068	UP	355.2379	355.2378	355.2381	10.43739	10.37598

7910	M351T9_1	1.266602	0.340964	0.788102	0.45666	0.864068	UP	351.243	351.2429	351.2432	8.735017	8.629617
7911	M294T10_	1.23025	0.298952	0.794455	0.456668	0.864068	UP	294.2062	294.2059	294.2077	10.3289	10.01477
7912	M577T11_	1.193608	-0.25533	-0.78503	0.456863	0.864068	DOWN	577.4092	577.4053	577.4101	10.91977	10.8926
7913	M509T10_	1.213413	-0.27907	-0.78621	0.456885	0.864068	DOWN	508.8555	508.855	508.8556	9.504583	9.40135
7914	M394T9_4	1.38901	0.474057	0.782109	0.456937	0.864068	UP	394.0862	394.0844	394.0878	9.187908	9.098833
7915	M194T9_1	1.39338	0.478589	0.793442	0.456987	0.864068	UP	193.5731	193.573	193.5737	9.128708	9.110833
7916	M192T10_	1.221822	-0.28903	-0.78705	0.456987	0.864068	DOWN	192.4757	192.4756	192.4759	9.915633	9.827283
7917	M293T10_	1.165794	-0.22131	-0.78774	0.457129	0.864068	DOWN	293.0727	293.0724	293.0727	9.900133	9.811217
7918	M549T30	1.112309	-0.15356	-0.79126	0.457141	0.864068	DOWN	549.3391	549.3386	549.3394	30.28133	30.26683
7919	M662T10_	1.175333	-0.23307	-0.79857	0.45719	0.864068	DOWN	662.4257	662.4251	662.4307	9.825767	9.715683
7920	M848T11_	1.135174	-0.18291	-0.78138	0.457228	0.864068	DOWN	848.4077	848.4071	848.4081	10.90519	10.879
7921	M202T9_1	1.241567	-0.31216	-0.80045	0.45725	0.864068	DOWN	202.1802	202.1801	202.1852	8.858283	8.7875
7922	M1129T10	1.120583	-0.16425	-0.78264	0.457253	0.864068	DOWN	1129.266	1129.265	1129.269	9.843017	9.73145
7923	M680T41_	1.073275	-0.10202	-0.81373	0.457429	0.864068	DOWN	680.3854	680.3851	680.3858	41.17233	41.04417
7924	M586T10_	1.50044	0.585386	0.813522	0.457466	0.864068	UP	586.4607	586.4601	586.4609	9.98155	9.8914
7925	M1426T10	1.323919	-0.40482	-0.78131	0.457472	0.864068	DOWN	1425.732	1425.724	1425.736	9.952017	9.869467
7926	M217T10_	1.467883	-0.55374	-0.78209	0.457474	0.864068	DOWN	217.1069	217.1068	217.107	9.62355	9.52515
7927	M302T10_	1.382986	-0.46779	-0.78666	0.457505	0.864068	DOWN	301.8708	301.8606	301.8711	9.918833	9.822117
7928	M847T10_	1.192422	-0.2539	-0.78055	0.457781	0.864068	DOWN	846.9148	846.9135	846.9161	9.900133	9.811217
7929	M331T28_	1.211018	0.27622	0.780001	0.457847	0.864068	UP	331.3035	331.3026	331.3037	28.39592	28.37317
7930	M650T10_	1.112582	-0.15391	-0.78953	0.457896	0.864068	DOWN	650.4859	650.4855	650.4866	10.28154	10.19852
7931	M406T10_	1.281925	-0.35831	-0.78496	0.457991	0.864068	DOWN	405.9141	405.9131	405.9142	9.893742	9.779267
7932	M866T10_	1.134319	-0.18183	-0.78074	0.458026	0.864068	DOWN	866.4952	866.4945	866.4956	9.958617	9.843367
7933	M526T24_	1.252218	-0.32449	-0.78064	0.458028	0.864068	DOWN	525.7139	525.7137	525.7141	24.12733	24.11067
7934	M505T28	1.290193	-0.36759	-0.78111	0.458101	0.864069	DOWN	504.8896	504.8893	504.8897	28.39592	28.3475
7935	M186T11	1.280588	-0.35681	-0.7853	0.45818	0.864069	DOWN	186.2215	186.2214	186.2216	11.45298	11.3951
7936	M359T10_	2.46464	1.301377	0.809293	0.45831	0.864069	UP	358.962	358.9619	358.9623	9.81635	9.7124
7937	M450T9_2	1.411435	-0.49716	-0.7809	0.458328	0.864069	DOWN	449.6169	449.6157	449.6182	9.240042	9.129317
7938	M373T43	1.312657	-0.39249	-0.81913	0.458403	0.864069	DOWN	373.2217	373.2215	373.2221	43.445	43.08533
7939	M1972T10	1.18924	-0.25004	-0.80873	0.45841	0.864069	DOWN	1971.563	1971.559	1971.565	9.967367	9.859233
7940	M586T10_	1.352302	0.435417	0.80908	0.458451	0.864069	UP	585.6579	585.6575	585.658	9.954217	9.843367
7941	M380T11_	1.102559	-0.14086	-0.78642	0.458468	0.864069	DOWN	379.9029	379.9027	379.9043	10.90659	10.879
7942	M443T10_	1.212054	0.277454	0.807812	0.458494	0.864069	UP	443.3632	443.3626	443.3639	9.756408	9.636483
7943	M1880T10	1.534198	-0.61749	-0.7816	0.458533	0.864069	DOWN	1880.297	1880.293	1880.298	9.93625	9.840617
7944	M1386T11	1.711389	0.775167	0.811327	0.458562	0.864069	UP	1385.886	1385.881	1385.886	10.93752	10.90785

7945	M182T9_8	1.491082	0.576359	0.78053	0.45859	0.864069	UP	182.2015	182.2013	182.2029	9.1503	9.132267
7946	M460T11_	1.149879	-0.20148	-0.77893	0.458639	0.864069	DOWN	460.2596	460.2524	460.2599	10.90553	10.88747
7947	M170T10_	1.105917	-0.14524	-0.78425	0.458802	0.864069	DOWN	170.004	170.0038	170.0042	9.8397	9.715683
7948	M586T11_	1.193122	0.254742	0.792962	0.458925	0.864069	UP	586.4033	586.3997	586.404	10.90765	10.88995
7949	M353T10_	1.295387	0.373383	0.779869	0.458973	0.864069	UP	353.4815	353.4814	353.4818	9.960817	9.859233
7950	M444T10_	1.331029	0.412542	0.790651	0.459008	0.864069	UP	444.2709	444.2701	444.2713	9.977442	9.859233
7951	M240T22	1.564257	0.645477	0.811725	0.459051	0.864069	UP	240.1647	240.1644	240.1648	21.77883	21.767
7952	M176T9_3	1.31974	-0.40025	-0.80522	0.459096	0.864069	DOWN	176.1312	176.1306	176.1315	9.304792	9.219483
7953	M517T9_5	1.218354	0.284934	0.778211	0.45914	0.864069	UP	517.3557	517.3551	517.3564	8.810442	8.701267
7954	M585T10_	1.529269	0.612842	0.797467	0.459211	0.864069	UP	584.8574	584.8565	584.8581	9.973517	9.8753
7955	M441T11_	1.129088	-0.17516	-0.78225	0.459297	0.864069	DOWN	441.0801	441.08	441.0867	10.90522	10.88747
7956	M292T10_	1.231922	-0.30091	-0.77913	0.459334	0.864069	DOWN	292.0031	292.0025	292.0031	9.973467	9.859233
7957	M825T11_	1.120917	-0.16468	-0.77737	0.45944	0.864069	DOWN	825.2928	825.2921	825.2966	10.90628	10.873
7958	M174T11_	1.228473	0.296866	0.787204	0.459463	0.864069	UP	173.8308	173.8307	173.8309	10.87708	10.82935
7959	M306T25_	1.2026	0.266157	0.778427	0.459466	0.864069	UP	305.8307	305.8305	305.8309	24.69492	24.68133
7960	M197T44_	1.114787	0.156767	0.779439	0.45947	0.864069	UP	197.1533	197.1532	197.1533	44.466	44.40867
7961	M513T9_2	1.172511	-0.2296	-0.79897	0.459498	0.864069	DOWN	512.797	512.7964	512.798	9.449367	9.370583
7962	M496T9_1	1.2781	0.354001	0.789141	0.459625	0.864069	UP	496.3666	496.3655	496.3669	9.161458	9.110833
7963	M515T11_	1.160162	-0.21433	-0.77783	0.459637	0.864069	DOWN	514.5645	514.5638	514.5647	10.90481	10.8646
7964	M445T9	1.315137	0.395213	0.812787	0.45965	0.864069	UP	445.2427	445.2417	445.2431	9.270833	9.219483
7965	M696T10_	1.447625	0.533688	0.812924	0.459737	0.864069	UP	695.8417	695.8411	695.8424	9.8207	9.715683
7966	M268T9_1	1.235074	-0.3046	-0.77975	0.459751	0.864069	DOWN	267.784	267.7839	267.7842	8.78005	8.682683
7967	M1478T10	1.283219	-0.35977	-0.7783	0.459875	0.864069	DOWN	1478.104	1478.1	1478.107	9.915583	9.8378
7968	M349T10_	1.25282	-0.32518	-0.77777	0.459898	0.864069	DOWN	349.014	349.0084	349.0142	9.883383	9.843367
7969	M680T38	1.112395	0.15367	0.814333	0.459919	0.864069	UP	680.3857	680.3854	680.3859	37.73367	37.41633
7970	M702T10_	1.129346	0.175487	0.809782	0.460129	0.864069	UP	702.4951	702.4947	702.4954	9.865433	9.779267
7971	M564T40_	1.109153	0.149458	0.79391	0.460177	0.864069	UP	564.3013	564.301	564.3015	39.8055	39.6905
7972	M196T10_	1.102208	0.140396	0.801002	0.460221	0.864069	UP	196.0992	196.0991	196.1065	9.984083	9.8753
7973	M1968T10	1.154607	0.207402	0.778943	0.460271	0.864069	UP	1968.221	1968.218	1968.222	9.840617	9.715683
7974	M488T41_	1.350382	0.433368	0.776394	0.460415	0.864069	UP	488.2849	488.2847	488.2852	40.58217	40.4385
7975	M1057T10	1.271023	-0.34599	-0.78339	0.460434	0.864069	DOWN	1056.7	1056.699	1056.701	9.970617	9.9009
7976	M339T10_	1.100168	-0.13772	-0.78455	0.460476	0.864069	DOWN	339.0053	339.0052	339.0055	9.802117	9.7124
7977	M558T9_1	1.229139	-0.29765	-0.77559	0.460476	0.864069	DOWN	558.3883	558.388	558.3895	9.330875	9.126783
7978	M319T10_	1.279494	0.355574	0.81108	0.460548	0.864069	UP	318.8637	318.8633	318.865	9.855808	9.73145
7979	M272T10_	1.201353	-0.26466	-0.80359	0.46063	0.864069	DOWN	271.7712	271.7709	271.7717	9.975142	9.8753

7980	M506T42_	1.287126	0.364154	0.776402	0.460649	0.86407	UP	506.2595	506.2594	506.2596	41.89167	41.80517
7981	M224T8_1	1.622799	-0.69848	-0.80276	0.460688	0.86407	DOWN	224.1224	224.1224	224.1225	8.268533	8.11435
7982	M494T10_	1.161074	0.215461	0.781273	0.460724	0.86407	UP	493.7148	493.7136	493.7151	9.989733	9.8914
7983	M661T9_2	1.331299	-0.41283	-0.78054	0.460775	0.86407	DOWN	660.5732	660.5727	660.5739	9.339908	9.234417
7984	M524T9_2	1.32539	-0.40642	-0.77454	0.460894	0.86407	DOWN	523.6499	523.649	523.6508	9.358417	9.20785
7985	M1436T10	1.222372	-0.28968	-0.77985	0.460973	0.86407	DOWN	1435.825	1435.823	1435.826	10.32456	10.26307
7986	M580T9_5	1.254438	-0.32704	-0.77758	0.46098	0.86407	DOWN	580.0635	580.0578	580.064	9.166033	9.142767
7987	M182T10_	1.0426	-0.06019	-0.78239	0.461065	0.86407	DOWN	181.7702	181.7701	181.7795	9.957333	9.859233
7988	M476T9_1	1.221488	0.28864	0.790476	0.461067	0.86407	UP	476.3265	476.3263	476.3286	9.224075	9.023433
7989	M570T10_	1.150622	-0.20241	-0.77453	0.461077	0.86407	DOWN	570.4107	570.4106	570.4114	9.664767	9.557333
7990	M378T9_8	2.320555	-1.21447	-0.8118	0.461174	0.86407	DOWN	378.2517	378.2499	378.2583	9.219483	8.909
7991	M668T10_	1.197919	-0.26053	-0.78298	0.461175	0.86407	DOWN	668.3409	668.3408	668.3412	10.37858	10.34542
7992	M498T21	1.194128	0.255957	0.779623	0.461184	0.86407	UP	498.3692	498.3683	498.3699	21.10792	21.079
7993	M404T37_	1.173455	-0.23076	-0.79256	0.461213	0.86407	DOWN	404.264	404.2638	404.2642	37.18142	36.9865
7994	M518T31_	1.727539	-0.78872	-0.79385	0.461232	0.86407	DOWN	517.902	517.9017	517.9023	31.37833	31.34917
7995	M223T11_	1.220625	0.287621	0.805564	0.461265	0.86407	UP	223.1395	223.1304	223.1396	10.90519	10.68888
7996	M366T10_	1.537752	0.620823	0.807588	0.461329	0.86407	UP	365.62	365.6197	365.6202	9.816167	9.715683
7997	M399T10_	1.232269	0.301318	0.794459	0.461405	0.86407	UP	398.9722	398.9717	398.9725	9.944392	9.827283
7998	M339T10_	1.229159	-0.29767	-0.78543	0.461489	0.86407	DOWN	339.1977	339.1974	339.1987	9.830783	9.715683
7999	M599T9_1	1.191086	-0.25228	-0.77341	0.461518	0.86407	DOWN	598.8601	598.8587	598.8605	9.146667	9.111033
8000	M325T9_3	1.355032	-0.43833	-0.77595	0.461607	0.86407	DOWN	324.7153	324.7152	324.7154	9.20785	9.176533
8001	M1489T10	1.302251	-0.38101	-0.77361	0.461693	0.86407	DOWN	1488.808	1488.799	1488.813	9.918833	9.830733
8002	M393T44_	1.236926	-0.30676	-0.78697	0.46174	0.86407	DOWN	393.2312	393.2309	393.2314	43.58175	43.215
8003	M562T38_	1.077162	0.107236	0.787418	0.461817	0.86407	UP	562.3219	562.3216	562.3223	38.16533	37.96467
8004	M428T11_	1.197121	-0.25957	-0.80077	0.461844	0.86407	DOWN	428.2229	428.2225	428.2232	10.91642	10.877
8005	M173T10_	1.233388	0.302627	0.799865	0.46191	0.86407	UP	173.1212	173.1211	173.1213	9.816317	9.715683
8006	M814T10_	1.423514	-0.50946	-0.78079	0.461941	0.86407	DOWN	813.9308	813.9297	813.9315	9.88865	9.806367
8007	M438T19_	1.660594	0.7317	0.795518	0.462138	0.86407	UP	438.2972	438.2966	438.2983	19.14017	19.09517
8008	M620T11_	1.221661	-0.28884	-0.77252	0.462159	0.86407	DOWN	620.3664	620.366	620.367	10.90659	10.89355
8009	M380T10_	1.161963	-0.21656	-0.77285	0.462201	0.86407	DOWN	380.1133	380.1129	380.1138	9.933	9.827283
8010	M526T25	1.200492	-0.26363	-0.77255	0.462211	0.86407	DOWN	526.436	526.4353	526.4368	24.81183	24.78267
8011	M1150T11	1.114769	-0.15674	-0.77352	0.46225	0.86407	DOWN	1150.314	1150.313	1150.315	10.89953	10.879
8012	M379T10_	1.081337	-0.11282	-0.77386	0.462388	0.86407	DOWN	379.1457	379.1453	379.1465	9.917167	9.811217
8013	M660T9_3	1.305711	-0.38484	-0.77208	0.4626	0.86407	DOWN	659.9571	659.9558	659.9579	9.0839	9.078567
8014	M420T33	1.575904	-0.65618	-0.7837	0.46262	0.86407	DOWN	419.8148	419.8145	419.8156	33.369	33.3115

8015	M520T42_	1.117193	-0.15988	-0.77426	0.462623	0.86407	DOWN	520.3113	520.3109	520.3114	42.47417	42.30867
8016	M295T10_	1.504209	-0.58901	-0.77274	0.462687	0.86407	DOWN	294.5329	294.5326	294.5366	9.924267	9.88865
8017	M283T11_	1.535059	0.618294	0.79787	0.462761	0.86407	UP	283.4038	283.4036	283.4041	10.90765	10.8214
8018	M344T9_7	1.13746	-0.18582	-0.77324	0.462905	0.86407	DOWN	344.4235	344.4233	344.4237	8.893558	8.802417
8019	M590T10_	1.233037	-0.30222	-0.77088	0.463006	0.86407	DOWN	589.6976	589.697	589.6981	9.9014	9.811217
8020	M265T11_	1.162664	-0.21743	-0.77132	0.463019	0.86407	DOWN	264.8544	264.8543	264.8549	10.89875	10.8646
8021	M359T11_	1.125465	-0.17052	-0.77328	0.463094	0.86407	DOWN	358.5129	358.5128	358.5135	10.89875	10.879
8022	M207T10_	1.166173	-0.22178	-0.78182	0.463237	0.86407	DOWN	206.7862	206.7861	206.7938	9.830783	9.715683
8023	M776T25	1.207776	-0.27235	-0.77046	0.46324	0.86407	DOWN	775.5608	775.5597	775.5612	25.49783	25.47783
8024	M553T9_2	1.219733	-0.28657	-0.79607	0.463296	0.864071	DOWN	552.7794	552.7785	552.7798	9.162633	9.07945
8025	M481T11_	1.646967	0.719812	0.809302	0.463311	0.864071	UP	481.2043	481.2039	481.205	10.92936	10.89125
8026	M229T11_	1.097163	-0.13378	-0.78031	0.463334	0.864071	DOWN	229.3791	229.3789	229.3792	10.892	10.8646
8027	M597T11_	1.133403	-0.18066	-0.77209	0.463337	0.864071	DOWN	597.0073	597.0069	597.01	10.91895	10.877
8028	M706T10_	1.222855	-0.29025	-0.79176	0.463407	0.864071	DOWN	706.199	706.1979	706.1994	9.830733	9.715683
8029	M952T10_	1.171701	-0.2286	-0.77337	0.463416	0.864071	DOWN	951.5355	951.5343	951.5366	9.67075	9.52595
8030	M162T10_	1.225364	-0.29321	-0.77206	0.463455	0.864071	DOWN	162.2163	162.2162	162.2164	9.92825	9.811217
8031	M532T43	1.708355	0.772608	0.793959	0.463474	0.864071	UP	532.3112	532.311	532.3115	42.86967	42.5245
8032	M169T10_	1.124603	-0.16942	-0.77686	0.463486	0.864071	DOWN	169.4907	169.4905	169.4909	9.8397	9.715683
8033	M245T42	1.16749	0.22341	0.784242	0.463554	0.864071	UP	245.138	245.1379	245.1382	42.07867	41.618
8034	M271T10_	1.694963	-0.76125	-0.80535	0.463623	0.864071	DOWN	271.2446	271.2444	271.2452	9.888767	9.747533
8035	M725T9_5	1.150372	-0.2021	-0.78878	0.463634	0.864071	DOWN	725.4687	725.4673	725.4696	8.992917	8.878667
8036	M399T9_5	1.292733	-0.37042	-0.77286	0.463654	0.864071	DOWN	399.0009	398.9993	399.0033	9.16125	9.12675
8037	M341T9_4	1.41062	-0.49633	-0.77024	0.4637	0.864071	DOWN	341.3029	341.3024	341.3031	9.311167	9.204617
8038	M232T11_	1.158771	-0.2126	-0.76949	0.463812	0.864071	DOWN	232.2407	232.2405	232.2408	10.89907	10.873
8039	M478T38_	1.136022	-0.18399	-0.78813	0.463832	0.864071	DOWN	478.2643	478.264	478.2643	38.03583	37.82
8040	M344T10_	1.491955	-0.5772	-0.77486	0.463838	0.864071	DOWN	343.688	343.6879	343.6882	9.930933	9.8914
8041	M194T9_1	1.919708	-0.94089	-0.79601	0.463925	0.864071	DOWN	194.3146	194.3131	194.3156	9.27115	9.11795
8042	M312T10_	1.147652	-0.19869	-0.77523	0.463981	0.864071	DOWN	311.7271	311.727	311.7272	9.958617	9.843367
8043	M379T9_8	1.866561	-0.90038	-0.7942	0.464122	0.864071	DOWN	379.1464	379.1462	379.1465	9.2529	9.18975
8044	M166T10_	1.238276	0.308333	0.779541	0.464131	0.864071	UP	166.0843	166.0842	166.0976	9.766367	9.746783
8045	M393T9_5	1.103882	0.142585	0.768735	0.464158	0.864071	UP	393.2095	393.2093	393.2097	8.870558	8.7891
8046	M292T10_	1.114895	-0.15691	-0.80106	0.464249	0.864071	DOWN	291.6551	291.655	291.6551	9.97155	9.859233
8047	M396T24	1.261939	0.335642	0.800813	0.464293	0.864071	UP	396.2743	396.2733	396.2748	23.6825	23.643
8048	M286T7_1	1.197112	-0.25956	-0.78579	0.46435	0.864071	DOWN	285.7421	285.742	285.7424	6.9967	6.94005
8049	M320T38	1.269088	0.343792	0.769353	0.464355	0.864071	UP	320.1702	320.1701	320.1703	38.30917	38.17967

8050	M997T9	1.177131	-0.23527	-0.76954	0.464409	0.864071	DOWN	996.6001	996.5987	996.6009	9.423708	9.30965
8051	M274T9_1	1.842653	0.881784	0.775804	0.464415	0.864071	UP	273.6039	273.6038	273.6039	9.45135	9.40135
8052	M360T9_7	1.454457	0.540481	0.793227	0.464545	0.864071	UP	359.887	359.8862	359.8908	9.163642	9.07945
8053	M515T11_	1.639761	0.713485	0.804301	0.464582	0.864071	UP	515.3519	515.3514	515.3521	11.39612	11.3662
8054	M849T11_	1.360787	0.444441	0.797631	0.4646	0.864071	UP	848.8645	848.8637	848.8658	10.87099	10.82935
8055	M528T11	1.098832	-0.13597	-0.76797	0.464662	0.864071	DOWN	527.6752	527.6747	527.6754	10.89875	10.879
8056	M410T10_	1.6024	0.680235	0.785266	0.464669	0.864071	UP	410.1246	410.1243	410.1246	9.9351	9.811217
8057	M726T10_	1.108263	-0.1483	-0.78802	0.464706	0.864071	DOWN	726.0652	726.0641	726.0658	9.8397	9.699733
8058	M1163T10	1.246903	-0.31835	-0.77678	0.46476	0.864071	DOWN	1162.553	1162.551	1162.554	9.95385	9.843367
8059	M1288T10	1.120966	0.164743	0.777923	0.464777	0.864071	UP	1287.548	1287.546	1287.555	9.9351	9.8378
8060	M312T9_3	1.222805	-0.29019	-0.7954	0.464784	0.864071	DOWN	311.9814	311.9812	311.9816	9.329083	9.191283
8061	M193T9_1	1.205878	-0.27008	-0.76898	0.464787	0.864071	DOWN	193.4362	193.4255	193.4363	9.333667	9.25985
8062	M231T10_	1.778484	0.830648	0.784174	0.464846	0.864071	UP	230.607	230.607	230.6072	9.940783	9.853533
8063	M286T11	1.138862	-0.18759	-0.76754	0.464868	0.864071	DOWN	285.7419	285.7417	285.7422	10.892	10.879
8064	M1785T10	1.267811	-0.34234	-0.76875	0.464928	0.864071	DOWN	1785.419	1785.415	1785.421	9.94455	9.811217
8065	M343T10_	1.503358	0.588188	0.784205	0.464934	0.864071	UP	342.7225	342.7223	342.7229	9.855142	9.743767
8066	M438T41_	1.175034	-0.2327	-0.77071	0.465027	0.864071	DOWN	438.2694	438.2693	438.2696	41.21933	41.014
8067	M416T9_1	1.460883	-0.54684	-0.76833	0.465058	0.864071	DOWN	416.3882	416.3879	416.3884	9.0804	9.031633
8068	M341T11_	1.115589	-0.15781	-0.7676	0.465083	0.864071	DOWN	340.8993	340.8992	340.8996	10.90551	10.879
8069	M353T15_	1.229817	0.298443	0.780572	0.465089	0.864071	UP	353.1569	353.1567	353.157	14.707	14.45817
8070	M713T10_	1.129452	-0.17562	-0.77224	0.465128	0.864071	DOWN	713.359	713.3583	713.3599	9.87145	9.65225
8071	M437T9_3	1.9168	0.9387	0.800985	0.465175	0.864071	UP	436.7911	436.7907	436.7918	9.34115	9.268917
8072	M168T9_3	1.421161	0.50707	0.781343	0.465266	0.864071	UP	168.1178	168.1177	168.1185	9.16125	9.1428
8073	M462T23	1.73819	0.797586	0.767549	0.465407	0.864071	UP	462.3484	462.3481	462.3485	22.756	22.7255
8074	M530T9_3	1.252154	-0.32441	-0.79252	0.465468	0.864071	DOWN	530.4797	530.478	530.4805	9.189792	9.129317
8075	M740T28	1.351466	0.434525	0.775931	0.465632	0.864071	UP	740.4555	740.4551	740.4559	27.70267	27.639
8076	M634T11_	1.22819	-0.29653	-0.76607	0.465788	0.864071	DOWN	634.1719	634.1712	634.1727	10.892	10.873
8077	M345T9_1	1.240614	-0.31105	-0.77753	0.465807	0.864071	DOWN	344.5276	344.5274	344.5283	9.3332	9.234417
8078	M387T21_	1.53444	0.617712	0.794048	0.465836	0.864071	UP	387.1801	387.1801	387.1801	20.85217	20.84967
8079	M528T9_6	1.265068	-0.33922	-0.77602	0.465917	0.864071	DOWN	528.1282	528.1216	528.1291	9.236775	9.118517
8080	M288T10_	1.191852	-0.2532	-0.77132	0.466045	0.864072	DOWN	288.1875	288.1874	288.1877	9.951283	9.869467
8081	M324T10_	1.162297	-0.21698	-0.77165	0.466157	0.864072	DOWN	323.8633	323.863	323.8637	9.964092	9.859233
8082	M396T10_	1.224487	-0.29218	-0.76768	0.466194	0.864072	DOWN	396.0603	396.0595	396.0671	9.884917	9.811217
8083	M545T10_	1.141008	-0.19031	-0.76721	0.466229	0.864072	DOWN	544.7162	544.716	544.7167	9.915583	9.79535
8084	M458T10_	1.145829	-0.19639	-0.76584	0.466271	0.864072	DOWN	458.1094	458.1093	458.1095	9.914217	9.811217

8085	M413T10_	1.611555	0.688454	0.800108	0.466415	0.864072	UP	412.8142	412.8134	412.8148	10.0702	9.988
8086	M826T10_	1.224293	0.291949	0.778818	0.466442	0.864072	UP	825.5705	825.5698	825.571	10.11693	10.02042
8087	M396T12	1.080602	-0.11184	-0.76735	0.46646	0.864072	DOWN	396.3583	396.3581	396.3585	11.61325	11.59007
8088	M253T11_	1.1581	-0.21176	-0.76478	0.466519	0.864072	DOWN	253.3798	253.3797	253.3804	10.89193	10.8646
8089	M342T11_	1.171309	0.228122	0.796311	0.466596	0.864072	UP	341.6849	341.6843	341.6869	10.92019	10.9049
8090	M382T10_	1.189402	0.250236	0.784905	0.466704	0.864072	UP	382.3732	382.3729	382.3732	9.983467	9.8914
8091	M747T21	1.110253	-0.15089	-0.76889	0.466709	0.864072	DOWN	746.5262	746.5258	746.5263	21.31408	21.294
8092	M521T10	1.202451	-0.26598	-0.7735	0.466732	0.864072	DOWN	521.2914	521.2913	521.2919	10.29527	10.23087
8093	M251T10_	1.427084	0.51307	0.794841	0.466739	0.864072	UP	251.1622	251.1618	251.1627	9.967533	9.859233
8094	M295T12_	1.116027	-0.15837	-0.78251	0.466792	0.864072	DOWN	295.2378	295.2377	295.2378	11.61613	11.58313
8095	M249T11_	1.320581	-0.40117	-0.76411	0.466802	0.864072	DOWN	249.2741	249.2739	249.2746	10.91813	10.8214
8096	M427T10_	1.331424	0.41297	0.768757	0.466826	0.864072	UP	426.7433	426.7427	426.7435	9.953367	9.843367
8097	M871T10_	1.105064	-0.14413	-0.76497	0.466916	0.864072	DOWN	871.242	871.2406	871.2426	9.950258	9.843367
8098	M1186T10	1.154849	-0.2077	-0.77638	0.466992	0.864072	DOWN	1186.066	1186.065	1186.069	9.930908	9.811217
8099	M343T10_	1.523666	0.607547	0.800878	0.467319	0.864072	UP	342.7055	342.7053	342.7062	9.80915	9.715683
8100	M653T11_	1.08684	-0.12014	-0.77063	0.467331	0.864072	DOWN	653.4255	653.425	653.4269	11.48723	11.43923
8101	M1742T11	1.189806	-0.25073	-0.77947	0.467377	0.864072	DOWN	1741.661	1741.66	1741.663	10.86253	10.84395
8102	M222T11	1.197432	-0.25994	-0.76363	0.467391	0.864072	DOWN	221.5986	221.5985	221.5988	11.22472	11.20247
8103	M400T11_	1.185524	-0.24552	-0.76311	0.467399	0.864072	DOWN	399.9352	399.935	399.9362	10.93562	10.91642
8104	M363T10_	1.307091	0.38636	0.770519	0.4674	0.864072	UP	363.4733	363.4718	363.4764	9.832125	9.699733
8105	M292T30	1.261715	0.335386	0.779021	0.467579	0.864072	UP	292.2561	292.2558	292.2562	29.92033	29.906
8106	M200T9_1	2.021898	1.01571	0.762531	0.467639	0.864072	UP	200.1333	200.1324	200.1342	9.160933	9.126783
8107	M396T10_	1.195006	0.257018	0.777577	0.467652	0.864072	UP	396.1527	396.1521	396.1532	9.608675	9.52515
8108	M345T10_	1.243884	0.314852	0.777108	0.46768	0.864072	UP	344.6145	344.6141	344.615	9.816183	9.699733
8109	M355T9_6	2.341327	1.227326	0.800183	0.467725	0.864072	UP	355.2747	355.2744	355.2748	9.465	9.355317
8110	M215T10_	1.193811	-0.25557	-0.76285	0.467797	0.864072	DOWN	215.3843	215.3762	215.3849	9.823225	9.7124
8111	M462T28_	1.201828	-0.26523	-0.78202	0.46782	0.864072	DOWN	462.3765	462.376	462.3775	28.24317	28.186
8112	M590T10_	1.347479	-0.43026	-0.7642	0.467881	0.864072	DOWN	590.0299	590.0297	590.0301	9.903283	9.874067
8113	M353T10_	1.251691	0.323878	0.763754	0.4679	0.864072	UP	353.1722	353.1683	353.1723	9.894775	9.7634
8114	M259T10_	1.220771	-0.28779	-0.77991	0.467929	0.864072	DOWN	258.625	258.6143	258.6251	9.794825	9.6681
8115	M762T10_	1.24926	-0.32107	-0.76918	0.467996	0.864072	DOWN	762.2028	762.2021	762.2038	9.514733	9.416817
8116	M697T10_	1.298041	0.376336	0.791045	0.468085	0.864072	UP	697.3562	697.3555	697.3566	9.82645	9.699733
8117	M570T9_3	1.295755	0.373793	0.763455	0.468124	0.864072	UP	570.4783	570.4777	570.4803	8.788392	8.629617
8118	M1078T10	1.181479	-0.24059	-0.7903	0.468141	0.864072	DOWN	1077.897	1077.896	1077.898	9.75805	9.714783
8119	M355T21_	1.170156	-0.2267	-0.78312	0.468191	0.864072	DOWN	355.2379	355.2378	355.238	20.75117	20.73633



8120	M1862T10	1.180853	-0.23983	-0.76796	0.46823	0.864072	DOWN	1861.981	1861.98	1861.986	9.828367	9.715683
8121	M358T43_	1.102418	-0.14067	-0.7973	0.468327	0.864072	DOWN	358.2222	358.2221	358.2223	42.6035	42.53917
8122	M196T10_	1.126815	-0.17225	-0.77411	0.468365	0.864072	DOWN	196.1266	196.1265	196.1266	9.970617	9.859233
8123	M395T24_	1.43211	0.518142	0.787705	0.468459	0.864072	UP	395.3	395.2992	395.3002	24.04	24.01567
8124	M511T9_2	1.93867	-0.95507	-0.78036	0.468463	0.864072	DOWN	510.9353	510.9345	510.9363	9.314683	9.174917
8125	M395T18	1.140851	-0.19011	-0.77537	0.468469	0.864072	DOWN	395.2423	395.2421	395.2425	18.30525	18.26967
8126	M276T10_	1.131211	-0.17787	-0.79186	0.468481	0.864072	DOWN	276.2081	276.2079	276.2082	9.85045	9.73145
8127	M371T10_	1.259112	-0.33241	-0.7616	0.468542	0.864072	DOWN	370.7493	370.7492	370.7495	10.27436	10.19852
8128	M736T9_1	1.239549	-0.30982	-0.76819	0.468598	0.864072	DOWN	735.6844	735.6833	735.6848	9.3332	9.234417
8129	M431T10_	1.54948	0.631784	0.794376	0.468649	0.864073	UP	431.2126	431.2124	431.2129	9.99435	9.8914
8130	M964T11	1.253937	0.326465	0.791609	0.468667	0.864073	UP	963.7492	963.7474	963.7503	10.89789	10.87487
8131	M491T9_3	1.440377	0.526447	0.768163	0.468667	0.864073	UP	491.3202	491.3165	491.3206	8.960667	8.922033
8132	M287T40	1.087257	-0.12069	-0.77548	0.468804	0.864073	DOWN	287.1487	287.1485	287.1488	40.09333	39.94933
8133	M629T9_2	1.278186	-0.3541	-0.76219	0.468818	0.864073	DOWN	629.3262	629.3256	629.3265	8.825567	8.75965
8134	M313T20	1.096139	-0.13243	-0.77238	0.468831	0.864073	DOWN	313.3211	313.3209	313.3213	20.47725	20.46217
8135	M161T10_	1.175538	-0.23332	-0.76294	0.468896	0.864073	DOWN	160.9248	160.9247	160.9248	9.929783	9.827283
8136	M469T9_9	1.232529	-0.30162	-0.79261	0.468908	0.864073	DOWN	469.4554	469.4552	469.4555	9.3217	9.191133
8137	M430T11_	1.204052	-0.2679	-0.76628	0.468934	0.864073	DOWN	429.6061	429.6055	429.6062	10.8926	10.879
8138	M658T11_	1.130628	-0.17712	-0.76465	0.468969	0.864073	DOWN	658.1047	658.1042	658.1077	10.90519	10.879
8139	M548T41	1.17858	0.23705	0.776009	0.468983	0.864073	UP	548.3064	548.3061	548.3065	41.04283	40.94217
8140	M311T10_	1.201148	-0.26441	-0.77321	0.468994	0.864073	DOWN	310.5371	310.5368	310.5379	9.8207	9.7124
8141	M356T10_	1.148361	0.199577	0.788881	0.469062	0.864073	UP	356.3753	356.3749	356.3754	9.841442	9.73145
8142	M381T9_3	2.21612	1.148036	0.796574	0.469069	0.864073	UP	380.5936	380.5934	380.5938	9.317	9.219483
8143	M183T44	1.478005	-0.56365	-0.76003	0.469094	0.864073	DOWN	183.1376	183.1376	183.1378	43.71833	43.41383
8144	M1016T10	1.330728	-0.41222	-0.7615	0.46911	0.864073	DOWN	1015.991	1015.99	1015.992	9.972833	9.916767
8145	M694T10_	1.216877	0.283184	0.760626	0.469242	0.864073	UP	694.4224	694.4217	694.4275	10.03772	9.923533
8146	M234T9_1	1.213433	-0.27909	-0.781	0.469245	0.864073	DOWN	234.4897	234.4873	234.4905	9.295492	9.132267
8147	M168T11	1.170184	-0.22674	-0.76444	0.469262	0.864073	DOWN	168.0855	168.0854	168.0859	10.91673	10.8646
8148	M958T9	1.55228	-0.63439	-0.77504	0.469329	0.864073	DOWN	958.4036	958.4032	958.4061	8.880517	8.772383
8149	M810T9_1	1.249125	0.320918	0.782786	0.469393	0.864073	UP	809.5407	809.5389	809.5428	8.809258	8.727567
8150	M1358T10	1.13773	-0.18616	-0.75985	0.469433	0.864073	DOWN	1358.018	1358.017	1358.019	9.825767	9.7124
8151	M202T10_	1.413922	-0.4997	-0.76355	0.469467	0.864073	DOWN	201.9475	201.9472	201.9476	9.951283	9.843367
8152	M841T10_	1.289232	0.366512	0.76571	0.469495	0.864073	UP	840.8982	840.8974	840.8987	9.983433	9.8753
8153	M270T11_	1.113587	-0.15521	-0.75941	0.46953	0.864073	DOWN	269.9695	269.9693	269.9697	10.892	10.879
8154	M369T9_3	1.36026	0.443883	0.771903	0.469553	0.864073	UP	369.1284	369.1209	369.1288	9.224733	9.0839

8155	M389T11_	1.100597	-0.13829	-0.75931	0.469582	0.864073	DOWN	388.7362	388.7359	388.7365	10.89875	10.879
8156	M1840T10	1.052202	0.073411	0.759552	0.469637	0.864073	UP	1840.319	1840.318	1840.326	9.8397	9.73145
8157	M617T10_	1.636069	0.710234	0.793875	0.4697	0.864073	UP	616.8982	616.8962	616.9014	9.8207	9.715683
8158	M1985T10	1.293984	-0.37182	-0.76036	0.469762	0.864073	DOWN	1985.162	1985.158	1985.164	9.836367	9.715683
8159	M290T11_	1.094645	-0.13046	-0.76289	0.469776	0.864073	DOWN	290.4224	290.4223	290.4226	10.90519	10.879
8160	M352T11_	1.635885	0.710072	0.795569	0.4698	0.864073	UP	352.2299	352.2293	352.23	10.68649	10.67523
8161	M601T10_	1.690924	0.757812	0.787186	0.469915	0.864073	UP	601.1577	601.1568	601.1627	9.82645	9.715683
8162	M701T9_4	1.160934	-0.21529	-0.76826	0.469923	0.864073	DOWN	701.3923	701.392	701.3925	9.490958	9.38595
8163	M691T11_	1.158492	0.212248	0.766314	0.470097	0.864073	UP	691.0048	691.0044	691.0051	10.80621	10.78395
8164	M241T10_	1.244951	-0.31609	-0.75864	0.470104	0.864073	DOWN	240.7104	240.7101	240.7191	9.939825	9.827283
8165	M573T11_	1.212695	-0.27822	-0.75814	0.470124	0.864073	DOWN	572.8405	572.84	572.8413	10.86275	10.8214
8166	M760T9_2	1.39366	-0.47888	-0.7611	0.470188	0.864073	DOWN	760.0243	760.0237	760.0248	9.491642	9.447983
8167	M249T10_	1.310024	0.389593	0.779852	0.470274	0.864073	UP	249.2408	249.2406	249.2408	9.772833	9.74925
8168	M464T11_	1.305291	0.384371	0.76937	0.470358	0.864073	UP	464.4398	464.4395	464.4402	10.892	10.879
8169	M351T18	1.119209	-0.16248	-0.76153	0.47057	0.864073	DOWN	351.1777	351.1776	351.1778	17.884	17.7625
8170	M229T19	1.60929	0.686425	0.757342	0.470617	0.864073	UP	229.0743	229.074	229.0747	19.33967	19.31433
8171	M226T10_	1.1681	-0.22416	-0.77508	0.470739	0.864073	DOWN	225.5247	225.5245	225.5248	9.930908	9.811217
8172	M261T10_	1.451331	0.537377	0.787589	0.470771	0.864073	UP	261.3211	261.3208	261.3213	9.97155	9.859233
8173	M431T26_	1.276013	-0.35164	-0.75709	0.470776	0.864073	DOWN	431.3213	431.3212	431.3218	26.01917	25.90633
8174	M461T10_	1.735423	0.795287	0.767365	0.470808	0.864073	UP	461.197	461.1946	461.1992	9.742275	9.557333
8175	M471T10_	1.158793	-0.21262	-0.76526	0.47087	0.864073	DOWN	471.2403	471.2397	471.2406	9.964092	9.859233
8176	M255T10_	1.223165	-0.29062	-0.75686	0.47088	0.864073	DOWN	254.8825	254.8822	254.8825	9.917167	9.811217
8177	M209T6	1.222282	-0.28958	-0.75981	0.471055	0.864073	DOWN	208.8907	208.8906	208.8908	5.540017	5.408433
8178	M168T9_1	1.780104	0.831962	0.786216	0.471121	0.864073	UP	167.8768	167.8765	167.8772	9.166925	9.126783
8179	M743T10_	1.172225	0.22925	0.763113	0.471248	0.864073	UP	743.0226	743.0198	743.0232	9.825767	9.7124
8180	M342T14_	1.182479	-0.24181	-0.76421	0.471328	0.864073	DOWN	341.7665	341.7663	341.7675	14.13648	14.12183
8181	M820T10_	1.420999	-0.50691	-0.75848	0.471371	0.864074	DOWN	819.7523	819.7522	819.7525	9.96095	9.946367
8182	M483T32	1.181165	-0.24021	-0.7572	0.471396	0.864074	DOWN	482.8381	482.8375	482.8384	32.12833	32.05633
8183	M705T13	1.135058	-0.18277	-0.75931	0.471505	0.864074	DOWN	704.5684	704.5681	704.569	12.51528	12.49947
8184	M471T7	1.60456	0.682178	0.79038	0.471569	0.864074	UP	471.3727	471.3725	471.3728	7.024983	6.969117
8185	M363T9_1	1.127541	-0.17318	-0.75569	0.471571	0.864074	DOWN	363.1626	363.1623	363.163	8.82515	8.715883
8186	M268T29	1.254293	-0.32687	-0.75558	0.471573	0.864074	DOWN	268.1751	268.1748	268.1752	28.58883	28.549
8187	M430T10_	1.468579	0.55442	0.789162	0.471574	0.864074	UP	429.5814	429.5806	429.5817	9.951442	9.859233
8188	M316T45	1.261443	0.335075	0.756991	0.471596	0.864074	UP	316.1752	316.1751	316.1754	44.83217	44.56667
8189	M902T10_	1.320734	-0.40134	-0.75766	0.471639	0.864074	DOWN	901.8435	901.8419	901.8443	9.600067	9.510117

8190	M325T11_	1.089118	-0.12316	-0.75924	0.472057	0.864074	DOWN	324.9457	324.9455	324.946	10.90519	10.879
8191	M236T9_9	1.21546	-0.2815	-0.75731	0.472062	0.864074	DOWN	236.3387	236.3355	236.3393	9.312908	9.219483
8192	M778T10_	1.248809	-0.32055	-0.75523	0.472095	0.864074	DOWN	778.3708	778.3702	778.3717	9.64815	9.46325
8193	M340T10_	1.342264	0.424669	0.754582	0.472144	0.864074	UP	340.4713	340.4686	340.475	9.896908	9.830083
8194	M434T9_3	1.42987	0.515884	0.784907	0.47218	0.864074	UP	433.656	433.6548	433.6581	9.225442	9.142767
8195	M360T10_	1.452568	0.538606	0.789953	0.472202	0.864074	UP	360.2522	360.2518	360.2523	9.836042	9.73145
8196	M683T10_	1.068363	-0.0954	-0.75773	0.472371	0.864074	DOWN	682.5693	682.5689	682.5695	9.825767	9.715683
8197	M1763T10	1.26106	0.334637	0.763611	0.472393	0.864074	UP	1762.592	1762.59	1762.594	9.816267	9.715683
8198	M455T10_	1.140411	-0.18955	-0.76727	0.472449	0.864074	DOWN	454.8948	454.8945	454.8952	9.830508	9.73145
8199	M169T10_	1.163172	0.218065	0.754181	0.472476	0.864074	UP	169.1792	169.179	169.1793	9.951283	9.859233
8200	M365T9_1	1.150299	-0.20201	-0.76677	0.472534	0.864074	DOWN	365.2453	365.2448	365.2461	8.863025	8.75965
8201	M395T9_6	1.175806	-0.23365	-0.761	0.472541	0.864074	DOWN	395.2156	395.2153	395.2157	9.032567	9.008317
8202	M350T9_1	1.116275	-0.15869	-0.75418	0.472654	0.864074	DOWN	350.1981	350.1978	350.1982	9.328967	9.129317
8203	M286T18	1.365011	-0.44891	-0.75478	0.472749	0.864074	DOWN	286.1799	286.1796	286.1804	17.93333	17.91383
8204	M318T10_	1.558648	0.640295	0.789897	0.472786	0.864074	UP	318.3533	318.3527	318.3534	9.816167	9.699733
8205	M515T9	1.3242	0.405121	0.777584	0.472868	0.864074	UP	514.9194	514.9186	514.9196	9.240392	9.12675
8206	M277T10_	1.454478	0.540502	0.761261	0.472874	0.864074	UP	277.0954	277.0951	277.0957	9.881483	9.746783
8207	M778T10_	1.179119	-0.23771	-0.77874	0.47288	0.864074	DOWN	777.8483	777.8447	777.8492	9.8207	9.699733
8208	M341T10_	2.051548	-1.03671	-0.78553	0.472915	0.864074	DOWN	340.9372	340.9367	340.9373	9.845483	9.73145
8209	M381T10_	1.50817	0.592799	0.770856	0.472997	0.864074	UP	380.6916	380.6913	380.6919	9.989117	9.8914
8210	M412T9_1	1.263951	-0.33794	-0.75481	0.473016	0.864074	DOWN	412.4419	412.4412	412.442	8.825567	8.7875
8211	M707T10_	1.117474	-0.16024	-0.75479	0.473058	0.864074	DOWN	706.7231	706.7228	706.7237	9.825492	9.715683
8212	M400T9_4	1.191621	-0.25292	-0.77584	0.473197	0.864074	DOWN	399.8295	399.8292	399.8309	9.075083	8.992917
8213	M220T10_	1.188154	-0.24872	-0.75435	0.473216	0.864074	DOWN	220.4115	220.4114	220.4116	9.9014	9.79535
8214	M654T10_	1.142282	-0.19192	-0.75298	0.47329	0.864074	DOWN	653.716	653.7156	653.7183	9.972483	9.859233
8215	M210T11_	1.192849	0.254412	0.763652	0.473319	0.864074	UP	210.1983	210.1981	210.1988	10.90522	10.8646
8216	M241T9_3	1.369652	-0.45381	-0.75835	0.473365	0.864074	DOWN	241.1221	241.1219	241.1223	9.0511	9.023483
8217	M580T10_	1.20813	-0.27278	-0.75256	0.473419	0.864074	DOWN	580.4224	580.4219	580.4234	10.15273	10.06883
8218	M352T10_	1.457991	0.543982	0.786429	0.473431	0.864074	UP	351.7915	351.7913	351.7916	9.508883	9.40135
8219	M353T42_	1.303242	-0.3821	-0.76129	0.473433	0.864074	DOWN	353.2321	353.232	353.2322	41.61825	41.47433
8220	M1237T10	1.211026	0.27623	0.756926	0.473509	0.864074	UP	1237.04	1237.039	1237.041	9.922825	9.827283
8221	M482T32	1.220808	-0.28784	-0.75764	0.47353	0.864074	DOWN	482.3365	482.3362	482.3368	32.14283	32.11317
8222	M224T24	1.06667	0.093114	0.755102	0.473556	0.864074	UP	224.1723	224.1722	224.1724	23.98317	23.979
8223	M590T10_	1.285711	-0.36257	-0.77316	0.473565	0.864074	DOWN	590.1735	590.1728	590.1743	9.918833	9.822117
8224	M454T11_	1.072648	-0.10118	-0.75325	0.473567	0.864074	DOWN	454.3461	454.346	454.3461	10.67585	10.64593

8225	M454T9_1	1.550232	0.632484	0.758339	0.473604	0.864074	UP	454.3163	454.3097	454.3196	9.324917	9.0864
8226	M1420T10	1.157165	-0.21059	-0.75292	0.473635	0.864074	DOWN	1419.52	1419.518	1419.525	9.886783	9.779267
8227	M586T10_	1.567056	0.648057	0.782784	0.473733	0.864074	UP	586.4227	586.422	586.423	9.9677	9.843367
8228	M268T11_	1.221799	0.289007	0.765927	0.473798	0.864074	UP	268.198	268.1977	268.1984	10.90548	10.89355
8229	M553T10_	1.188688	-0.24937	-0.78044	0.473874	0.864074	DOWN	552.8558	552.8552	552.8562	9.94405	9.827283
8230	M820T26	1.148155	-0.19932	-0.7516	0.473893	0.864074	DOWN	819.5869	819.5867	819.5875	25.55608	25.54183
8231	M346T44	1.210744	0.275894	0.753968	0.473948	0.864074	UP	346.1859	346.1858	346.186	44.4085	44.236
8232	M534T10_	1.142829	-0.19261	-0.756	0.474065	0.864074	DOWN	534.484	534.4835	534.4847	9.95385	9.843367
8233	M334T10_	1.120303	-0.16389	-0.77205	0.47408	0.864074	DOWN	334.4867	334.4864	334.4871	9.825492	9.715683
8234	M1467T10	1.877132	0.90853	0.783488	0.474084	0.864074	UP	1466.509	1466.506	1466.513	9.946367	9.827283
8235	M599T10_	1.103323	-0.14186	-0.7512	0.474167	0.864075	DOWN	598.5483	598.5477	598.5486	9.917208	9.811217
8236	M469T11_	1.17521	0.232919	0.754719	0.474228	0.864075	UP	469.1711	469.17	469.1716	10.91734	10.873
8237	M634T10_	1.430814	0.516836	0.780656	0.474258	0.864075	UP	633.8831	633.8827	633.8839	9.969158	9.859233
8238	M463T22	1.51894	-0.60307	-0.75164	0.474314	0.864075	DOWN	463.3606	463.36	463.361	22.01683	21.987
8239	M527T9_7	1.336591	0.418558	0.768659	0.474332	0.864075	UP	526.8625	526.8622	526.8626	8.730783	8.601067
8240	M234T9_2	1.240159	-0.31052	-0.78108	0.474337	0.864075	DOWN	233.747	233.7455	233.7483	9.330825	9.219483
8241	M449T9_1	1.155229	-0.20818	-0.75399	0.47444	0.864075	DOWN	448.5118	448.5117	448.5121	9.22775	9.142767
8242	M892T18	1.238683	-0.30881	-0.77626	0.474459	0.864075	DOWN	892.4758	892.4749	892.4766	17.846	17.8345
8243	M614T25	1.124078	-0.16874	-0.78421	0.474477	0.864075	DOWN	614.4416	614.4409	614.4428	24.54342	24.53317
8244	M257T10_	1.241333	-0.31189	-0.7699	0.474499	0.864075	DOWN	257.222	257.2214	257.222	9.810767	9.681183
8245	M278T10_	1.190691	0.251799	0.772726	0.474706	0.864075	UP	277.5098	277.5097	277.5099	9.8207	9.715683
8246	M378T19	1.292716	-0.37041	-0.75763	0.474798	0.864075	DOWN	378.2228	378.2226	378.2232	19.43108	19.386
8247	M795T11_	1.268806	-0.34347	-0.77004	0.474803	0.864075	DOWN	795.3268	795.3251	795.3276	10.6604	10.61512
8248	M449T9_5	1.214047	-0.27982	-0.75024	0.47485	0.864075	DOWN	448.7916	448.7912	448.7932	9.279108	9.1445
8249	M210T10_	1.137709	-0.18613	-0.76371	0.474906	0.864075	DOWN	209.9767	209.9766	209.9768	9.871467	9.7634
8250	M228T11_	1.130738	-0.17726	-0.74996	0.474943	0.864075	DOWN	227.7305	227.7304	227.7306	10.892	10.879
8251	M261T11_	1.159416	-0.2134	-0.76285	0.474966	0.864075	DOWN	261.2082	261.208	261.2084	10.9321	10.8914
8252	M333T24	1.12527	-0.17027	-0.75663	0.474983	0.864075	DOWN	333.3189	333.3186	333.3191	24.45233	24.432
8253	M173T10_	1.122401	0.166588	0.785827	0.475044	0.864075	UP	172.5937	172.5936	172.5938	9.843017	9.715683
8254	M444T10_	1.226674	-0.29475	-0.7637	0.475049	0.864075	DOWN	444.4704	444.4698	444.4707	9.960817	9.853533
8255	M455T11_	1.12249	-0.1667	-0.74984	0.475091	0.864075	DOWN	454.5478	454.5476	454.5481	10.892	10.879
8256	M952T22	1.205536	-0.26967	-0.763	0.47511	0.864075	DOWN	951.666	951.6649	951.6672	22.13175	22.11983
8257	M456T10_	1.145925	-0.19651	-0.75846	0.475119	0.864075	DOWN	456.0203	456.0198	456.0205	9.97155	9.869467
8258	M1051T10	1.195204	0.257257	0.76192	0.47518	0.864075	UP	1050.827	1050.825	1050.829	9.870017	9.822117
8259	M314T30	1.362762	0.446534	0.777094	0.475224	0.864075	UP	314.2378	314.2375	314.2381	29.90692	29.90533

8260	M576T10_	1.337124	0.419133	0.753688	0.475231	0.864075	UP	576.4101	576.4026	576.4107	9.967367	9.859233
8261	M323T10_	1.130421	-0.17686	-0.75198	0.475479	0.864075	DOWN	322.6499	322.6496	322.65	9.970617	9.859233
8262	M638T10_	1.976359	0.982845	0.786114	0.475573	0.864075	UP	638.4935	638.4927	638.4956	9.8348	9.728083
8263	M498T9_2	1.630915	-0.70568	-0.74917	0.475613	0.864075	DOWN	497.7099	497.708	497.7113	9.419167	9.204617
8264	M850T10_	1.329743	0.411147	0.748922	0.47562	0.864075	UP	849.9683	849.9668	849.9687	9.972217	9.95825
8265	M363T9_4	1.470676	0.556479	0.764032	0.475727	0.864075	UP	362.6862	362.6856	362.692	9.3297	9.11795
8266	M1008T10	1.11712	0.159784	0.754216	0.475752	0.864075	UP	1008.397	1008.396	1008.401	9.85525	9.743667
8267	M200T9_9	1.447497	-0.53356	-0.75506	0.475823	0.864075	DOWN	199.8196	199.819	199.8227	9.279417	9.132267
8268	M208T10_	1.208013	-0.27264	-0.76177	0.476097	0.864075	DOWN	208.03	208.0299	208.0376	9.8207	9.715683
8269	M329T10_	1.518453	0.602602	0.767449	0.476142	0.864075	UP	329.4669	329.4667	329.4672	10.17253	10.08517
8270	M556T9_6	1.220925	0.287975	0.747458	0.476229	0.864075	UP	556.2798	556.2792	556.2805	9.46855	9.38595
8271	M396T10_	1.288477	-0.36567	-0.76015	0.476296	0.864075	DOWN	396.0389	396.0386	396.039	9.964092	9.859233
8272	M421T31_	1.247128	0.31861	0.779148	0.476332	0.864075	UP	421.2321	421.232	421.2324	31.13258	31.11883
8273	M320T9_3	1.194881	-0.25687	-0.75585	0.476398	0.864075	DOWN	319.8634	319.863	319.8636	9.3332	9.234417
8274	M277T10_	1.131171	-0.17782	-0.76921	0.476485	0.864075	DOWN	276.9881	276.988	276.9884	9.8397	9.715683
8275	M229T9_1	1.281682	-0.35804	-0.74884	0.476541	0.864075	DOWN	229.2943	229.2927	229.2949	9.40325	9.18975
8276	M270T40	1.141506	-0.19094	-0.75703	0.476573	0.864075	DOWN	270.2787	270.2787	270.2792	40.42417	40.36667
8277	M310T23_	1.783847	0.834992	0.775926	0.476705	0.864075	UP	310.2224	310.2221	310.2225	22.69842	22.68367
8278	M346T10_	1.221599	-0.28877	-0.74755	0.476743	0.864075	DOWN	346.0168	346.0165	346.0169	9.8207	9.715683
8279	M196T10_	1.170097	-0.22663	-0.75513	0.476782	0.864075	DOWN	195.9077	195.9075	195.909	9.964092	9.816167
8280	M210T9_6	1.123096	-0.16748	-0.74691	0.476878	0.864075	DOWN	210.1678	210.1676	210.1679	9.273475	9.1602
8281	M180T10_	1.093554	-0.12902	-0.76709	0.476893	0.864076	DOWN	179.5205	179.5204	179.5207	9.830833	9.715683
8282	M1107T10	1.138023	-0.18653	-0.74625	0.47692	0.864076	DOWN	1106.867	1106.866	1106.868	9.830733	9.683817
8283	M288T9_5	1.239915	-0.31024	-0.75701	0.477027	0.864076	DOWN	288.1888	288.1885	288.1891	8.878825	8.7891
8284	M374T10_	1.221485	0.288637	0.747749	0.477038	0.864076	UP	374.3558	374.3543	374.3565	9.828367	9.816167
8285	M324T10_	1.317119	-0.39739	-0.75473	0.477231	0.864076	DOWN	324.1777	324.1712	324.1777	9.918833	9.8378
8286	M727T9_2	1.355619	-0.43895	-0.75004	0.477239	0.864076	DOWN	727.4768	727.4758	727.4774	9.325333	9.2585
8287	M962T11	1.213287	-0.27892	-0.75572	0.47726	0.864076	DOWN	961.815	961.8137	961.8158	10.89815	10.873
8288	M562T10_	1.160155	-0.21432	-0.75332	0.477285	0.864076	DOWN	561.9577	561.9573	561.9587	9.939575	9.827283
8289	M621T9_5	1.28077	-0.35701	-0.74599	0.477331	0.864076	DOWN	621.3458	621.3384	621.3478	9.25395	9.12675
8290	M560T10_	1.15553	-0.20856	-0.75536	0.47734	0.864076	DOWN	559.8281	559.8276	559.829	9.931875	9.827283
8291	M389T10_	1.125594	0.170687	0.746519	0.477412	0.864076	UP	389.4695	389.4689	389.4697	9.970617	9.859233
8292	M708T11_	1.148217	-0.1994	-0.75179	0.47766	0.864076	DOWN	707.5071	707.5067	707.5077	10.53335	10.50338
8293	M442T11_	1.558936	0.640561	0.778642	0.477678	0.864076	UP	442.3272	442.3271	442.3274	11.12518	11.11092
8294	M598T9	1.818012	0.862362	0.780565	0.477728	0.864076	UP	598.4165	598.4163	598.4169	9.461008	9.370583

8295	M415T25_	1.317254	0.397534	0.763684	0.477843	0.864076	UP	415.2449	415.2447	415.2452	25.347	25.28867
8296	M560T10_	1.242062	-0.31274	-0.75841	0.477847	0.864076	DOWN	560.3094	560.3085	560.3162	10.17547	10.14385
8297	M1348T10	1.088898	-0.12287	-0.74781	0.477904	0.864076	DOWN	1347.773	1347.772	1347.774	10.21493	10.13368
8298	M738T10_	1.194764	-0.25673	-0.74821	0.478037	0.864076	DOWN	738.4488	738.4484	738.4529	10.11868	10.02042
8299	M678T11_	1.174322	-0.23183	-0.74467	0.478258	0.864076	DOWN	677.8089	677.8084	677.8093	10.877	10.84767
8300	M382T44_	1.099842	0.137297	0.745027	0.478435	0.864076	UP	382.2432	382.243	382.2435	43.91975	43.61767
8301	M335T9_8	1.341117	-0.42343	-0.74758	0.47848	0.864076	DOWN	334.8864	334.8846	334.8871	9.048117	8.88325
8302	M630T10_	1.357519	0.440973	0.743422	0.478488	0.864076	UP	629.7106	629.7101	629.7144	9.88815	9.885167
8303	M253T17	1.575775	0.656062	0.780339	0.478535	0.864076	UP	253.2352	253.2348	253.2355	17.351	17.2755
8304	M560T10_	1.152569	-0.20485	-0.7498	0.478546	0.864076	DOWN	560.4539	560.4535	560.4542	9.946467	9.843367
8305	M573T10_	1.297192	-0.37539	-0.74739	0.478617	0.864076	DOWN	573.1786	573.1781	573.179	9.915583	9.874067
8306	M518T11_	1.116635	-0.15916	-0.74353	0.478631	0.864076	DOWN	518.2344	518.233	518.2349	10.90765	10.88747
8307	M879T11_	1.235825	-0.30547	-0.75577	0.478655	0.864076	DOWN	879.0456	879.0446	879.0468	10.79102	10.75595
8308	M416T10_	1.130971	0.177562	0.743107	0.478672	0.864076	UP	416.2442	416.2437	416.2445	9.92625	9.811217
8309	M718T23	1.151121	-0.20304	-0.76804	0.478682	0.864076	DOWN	718.4732	718.4725	718.474	22.91483	22.90067
8310	M217T10_	1.230193	-0.29888	-0.74881	0.478697	0.864076	DOWN	216.6324	216.6318	216.6412	9.8322	9.7124
8311	M860T11_	1.223762	-0.29132	-0.75402	0.478709	0.864076	DOWN	859.5103	859.5097	859.5109	10.71349	10.67585
8312	M459T10_	1.164349	-0.21952	-0.75034	0.478918	0.864076	DOWN	458.8571	458.8558	458.8577	9.972917	9.859233
8313	M313T10_	1.641139	-0.7147	-0.76338	0.478939	0.864076	DOWN	313.0265	313.0262	313.0282	9.82645	9.715683
8314	M504T11_	1.226352	0.294373	0.760521	0.478954	0.864076	UP	503.7669	503.7664	503.7673	10.89193	10.8646
8315	M365T11_	1.664966	0.735493	0.743134	0.47896	0.864076	UP	365.234	365.2338	365.2341	11.24006	11.2174
8316	M623T9_3	1.448506	-0.53457	-0.75547	0.479007	0.864076	DOWN	623.1926	623.1925	623.1933	8.6833	8.638817
8317	M733T10_	1.17365	0.231003	0.771747	0.479009	0.864076	UP	733.4837	733.4831	733.484	9.644725	9.52595
8318	M288T12	1.614282	0.690892	0.756273	0.479137	0.864076	UP	288.232	288.2318	288.2323	11.8283	11.80248
8319	M592T42_	1.296531	0.374657	0.778096	0.479144	0.864076	UP	592.3325	592.3324	592.3326	42.0205	41.97767
8320	M415T25_	1.084057	0.116441	0.744092	0.479269	0.864076	UP	415.2111	415.211	415.2112	24.59467	24.5795
8321	M404T9_5	1.149688	-0.20124	-0.75266	0.479398	0.864076	DOWN	404.2634	404.2627	404.2641	8.99315	8.878667
8322	M1007T10	1.184666	-0.24448	-0.75745	0.479462	0.864076	DOWN	1007.452	1007.45	1007.453	9.956417	9.859233
8323	M611T11_	1.25637	-0.32926	-0.74244	0.479471	0.864076	DOWN	610.6343	610.634	610.6353	10.85476	10.8214
8324	M879T9	1.328624	-0.40993	-0.74748	0.479545	0.864076	DOWN	879.4882	879.4873	879.4887	9.300733	9.132267
8325	M266T9_1	1.227993	-0.2963	-0.75082	0.479567	0.864076	DOWN	265.8858	265.8855	265.8859	8.985492	8.924217
8326	M1509T10	1.209577	-0.2745	-0.75349	0.479567	0.864076	DOWN	1508.85	1508.85	1508.853	10.18144	10.05268
8327	M493T7	1.137189	0.185472	0.748023	0.479569	0.864076	UP	493.3543	493.354	493.3555	7.121733	7.0112
8328	M701T9_5	1.72158	0.783733	0.758572	0.479604	0.864076	UP	701.4526	701.4521	701.4536	9.275917	9.234417
8329	M193T10_	1.402119	0.487609	0.762417	0.479701	0.864076	UP	193.3975	193.3973	193.398	9.840617	9.743767

8330	M1260T10	1.181081	-0.24011	-0.74632	0.479708	0.864077	DOWN	1259.72	1259.719	1259.721	10.08665	10.0118
8331	M818T10_	1.252449	0.324752	0.752299	0.479719	0.864077	UP	818.4592	818.4588	818.4596	9.975217	9.8753
8332	M395T24_	1.248386	-0.32006	-0.74169	0.479727	0.864077	DOWN	394.5372	394.5371	394.538	24.1225	24.06667
8333	M854T10_	1.529171	0.61275	0.7752	0.479736	0.864077	UP	854.0129	854.0122	854.0134	9.983433	9.8914
8334	M411T10_	1.115097	-0.15717	-0.7509	0.479751	0.864077	DOWN	411.1749	411.1746	411.1751	9.930908	9.827283
8335	M296T9_1	1.224287	-0.29194	-0.74136	0.479753	0.864077	DOWN	295.5297	295.5295	295.5299	8.977958	8.89395
8336	M1457T10	1.255731	-0.32853	-0.75863	0.479839	0.864077	DOWN	1456.902	1456.901	1456.904	9.8887	9.806367
8337	M363T10_	1.056499	-0.07929	-0.74236	0.479865	0.864077	DOWN	363.4909	363.4902	363.4912	9.825767	9.699733
8338	M227T11_	1.288567	0.365768	0.753563	0.479915	0.864077	UP	226.782	226.7817	226.7868	10.89128	10.85018
8339	M262T10_	1.242982	-0.31381	-0.74828	0.479934	0.864077	DOWN	262.0542	262.0539	262.0544	9.850258	9.759383
8340	M331T9_7	1.331083	-0.4126	-0.75956	0.479946	0.864077	DOWN	331.0817	331.0768	331.082	9.1602	9.09495
8341	M332T10_	1.100632	0.138332	0.771916	0.480026	0.864077	UP	331.7846	331.7844	331.7848	9.823575	9.715683
8342	M699T10_	1.168903	-0.22515	-0.74302	0.480055	0.864077	DOWN	699.3779	699.3776	699.3784	10.02963	9.939683
8343	M1054T10	1.669518	0.739431	0.773892	0.480085	0.864077	UP	1054.04	1054.039	1054.04	9.807033	9.76065
8344	M317T10_	1.229435	0.297995	0.758934	0.480096	0.864077	UP	317.3377	317.3376	317.3384	9.970617	9.8914
8345	M184T11_	1.238025	-0.30804	-0.74119	0.480218	0.864077	DOWN	184.1033	184.1031	184.1034	10.88995	10.85018
8346	M740T10_	1.217847	-0.28433	-0.74032	0.48029	0.864077	DOWN	740.4922	740.492	740.4929	10.27436	10.19852
8347	M826T10_	1.205114	-0.26917	-0.74326	0.480383	0.864077	DOWN	826.3306	826.3292	826.3312	9.609358	9.510117
8348	M281T32	1.506446	0.591149	0.740791	0.480436	0.864077	UP	281.1657	281.1655	281.1665	32.46017	32.43117
8349	M277T10_	1.115169	-0.15726	-0.76712	0.480456	0.864077	DOWN	277.2489	277.2487	277.249	9.857275	9.73145
8350	M172T9_4	1.557102	0.638863	0.76652	0.480482	0.864077	UP	172.0724	172.0719	172.0727	9.148833	9.146383
8351	M297T10_	1.178565	-0.23703	-0.75303	0.480488	0.864077	DOWN	297.3014	297.3013	297.3017	9.954767	9.843367
8352	M312T9_2	1.420892	-0.5068	-0.7478	0.480495	0.864077	DOWN	311.6573	311.6568	311.6576	9.167558	9.14695
8353	M226T10_	1.200063	-0.26311	-0.74767	0.480537	0.864077	DOWN	225.8895	225.8894	225.8896	9.932033	9.827283
8354	M171T11_	1.195183	-0.25723	-0.75305	0.480581	0.864077	DOWN	170.8158	170.8157	170.8159	10.9049	10.879
8355	M613T9_2	1.921438	0.942186	0.774111	0.480629	0.864077	UP	613.2819	613.2763	613.283	9.311167	9.191283
8356	M221T10_	1.09716	-0.13377	-0.74073	0.4807	0.864077	DOWN	221.492	221.4919	221.4923	9.933567	9.827283
8357	M622T42_	1.04688	-0.0661	-0.74901	0.480718	0.864077	DOWN	622.3433	622.3431	622.3435	41.906	41.6905
8358	M394T9_1	1.487787	0.573168	0.770559	0.480719	0.864077	UP	394.4571	394.4569	394.4573	9.0511	9.023483
8359	M166T9_5	1.246613	-0.31801	-0.7544	0.480787	0.864077	DOWN	166.067	166.0663	166.0674	9.331083	9.219483
8360	M584T10_	1.553264	0.635303	0.767795	0.480794	0.864077	UP	584.29	584.2896	584.2904	9.951283	9.843367
8361	M239T10_	1.216986	0.283312	0.770038	0.480895	0.864077	UP	239.3523	239.3521	239.3523	9.952017	9.859233
8362	M740T10_	1.167567	-0.2235	-0.76615	0.480949	0.864077	DOWN	739.6887	739.6881	739.69	9.968092	9.859233
8363	M369T10_	1.45967	0.545643	0.74301	0.481134	0.864077	UP	368.9142	368.9128	368.9151	9.820883	9.715683
8364	M363T9_1	1.228846	-0.2973	-0.73898	0.481157	0.864077	DOWN	363.151	363.1494	363.158	9.329083	9.12675

8365	M341T10_	1.655304	0.727096	0.775012	0.481193	0.864077	UP	341.4893	341.4892	341.4895	9.8207	9.715683
8366	M628T9	1.297482	-0.37571	-0.75045	0.481195	0.864077	DOWN	627.6782	627.6775	627.6786	9.402933	9.340183
8367	M387T11_	1.612044	0.688891	0.752274	0.481258	0.864077	UP	387.4748	387.4745	387.475	11.15073	11.0962
8368	M519T9_1	1.160031	-0.21416	-0.73877	0.481262	0.864077	DOWN	518.5502	518.5493	518.5505	9.3771	9.22495
8369	M399T11_	1.215515	0.281568	0.746744	0.481291	0.864077	UP	399.4241	399.4239	399.4248	10.89875	10.8646
8370	M280T9_4	1.410364	-0.49607	-0.73853	0.481296	0.864077	DOWN	280.1856	280.1852	280.1859	9.011692	8.95495
8371	M601T9_1	1.316491	-0.3967	-0.73949	0.481336	0.864077	DOWN	600.6925	600.6925	600.693	9.385992	9.26575
8372	M477T10_	1.103414	0.141974	0.763528	0.481371	0.864077	UP	477.3126	477.3124	477.313	10.44611	10.40807
8373	M701T31	1.133925	-0.18133	-0.74352	0.481387	0.864077	DOWN	700.5059	700.5055	700.5062	31.2915	31.28017
8374	M178T9_1	2.181135	1.125079	0.771252	0.481429	0.864077	UP	177.5988	177.5984	177.5989	9.129525	9.110833
8375	M278T21	1.470479	0.556287	0.741261	0.481449	0.864077	UP	278.1829	278.1824	278.183	20.93	20.9125
8376	M313T45_	1.110951	0.151796	0.739184	0.481486	0.864077	UP	313.1645	313.1643	313.1646	44.92233	44.811
8377	M277T10_	1.392547	0.477726	0.77273	0.481487	0.864077	UP	277.0212	277.0208	277.0213	9.972483	9.8753
8378	M879T22_	1.110324	-0.15098	-0.74058	0.481493	0.864077	DOWN	878.605	878.6047	878.6055	22.33517	22.3245
8379	M314T9_7	1.160787	-0.2151	-0.75587	0.481501	0.864077	DOWN	314.2804	314.2799	314.2808	9.259408	9.129317
8380	M214T9_7	1.616534	-0.6929	-0.75628	0.481511	0.864077	DOWN	213.764	213.7622	213.765	9.382858	9.147367
8381	M1473T10	1.514909	0.599231	0.767977	0.481627	0.864077	UP	1473.326	1473.32	1473.33	9.934533	9.843367
8382	M319T9_5	1.286127	-0.36303	-0.74839	0.481671	0.864077	DOWN	319.2307	319.2304	319.2309	9.3332	9.234417
8383	M195T9_1	1.276842	0.352579	0.750618	0.481691	0.864077	UP	195.1221	195.1216	195.124	9.220933	9.12675
8384	M288T24_	1.662929	-0.73373	-0.738	0.481733	0.864077	DOWN	288.2373	288.229	288.2419	24.06933	24.02833
8385	M254T10_	1.198002	-0.26063	-0.73851	0.481737	0.864077	DOWN	253.9806	253.9805	253.9807	9.82645	9.787633
8386	M422T11_	1.288467	0.365655	0.764327	0.481831	0.864077	UP	422.2448	422.2445	422.245	10.89875	10.879
8387	M631T10_	1.122412	-0.1666	-0.74708	0.481843	0.864077	DOWN	631.4698	631.4692	631.4721	9.828267	9.699733
8388	M632T10_	1.439387	0.525455	0.76487	0.48209	0.864077	UP	632.1648	632.164	632.1658	9.972917	9.859233
8389	M361T11_	1.303218	-0.38208	-0.74965	0.482102	0.864077	DOWN	361.2492	361.2486	361.2495	11.26795	11.23408
8390	M797T10_	1.17583	-0.23368	-0.73809	0.482113	0.864077	DOWN	797.3425	797.3421	797.3429	10.34318	10.08538
8391	M348T10_	2.053025	-1.03775	-0.76723	0.48214	0.864077	DOWN	348.4475	348.4472	348.4478	9.989733	9.8914
8392	M1020T11	1.193691	-0.25543	-0.7454	0.482323	0.864077	DOWN	1020.381	1020.38	1020.383	10.90765	10.879
8393	M682T11_	1.197591	-0.26014	-0.73809	0.482376	0.864077	DOWN	682.228	682.2275	682.2296	10.87593	10.84767
8394	M350T11_	1.254307	0.32689	0.745829	0.482428	0.864077	UP	350.1523	350.1519	350.1533	10.90522	10.873
8395	M413T9_9	1.287798	0.364906	0.750032	0.482453	0.864077	UP	413.0649	413.0643	413.0651	9.190317	9.06315
8396	M340T32	1.471041	0.556837	0.737941	0.482494	0.864077	UP	340.2842	340.2841	340.2845	32.09917	32.085
8397	M387T10_	1.140016	-0.18905	-0.74424	0.482524	0.864077	DOWN	387.3884	387.3883	387.3891	9.9091	9.811217
8398	M436T9_3	1.324149	-0.40507	-0.73937	0.48253	0.864077	DOWN	435.6661	435.6656	435.6691	9.365833	9.129317
8399	M359T30_	1.631894	-0.70655	-0.74472	0.482635	0.864078	DOWN	358.7571	358.7569	358.7572	29.57617	29.54517



8400	M778T36	1.774477	-0.82739	-0.74419	0.482647	0.864078	DOWN	777.5771	777.5763	777.5774	35.56033	35.53133
8401	M479T9_2	1.912031	0.935106	0.770678	0.482676	0.864078	UP	478.6374	478.6371	478.6377	9.29345	9.129317
8402	M1025T9	1.767502	0.821711	0.769149	0.482788	0.864078	UP	1025.261	1025.258	1025.262	9.4159	9.29015
8403	M451T9_1	1.243942	0.314919	0.760876	0.482806	0.864078	UP	451.484	451.4816	451.4847	9.209458	9.12675
8404	M1628T10	1.189165	-0.24995	-0.73951	0.482865	0.864078	DOWN	1628.481	1628.48	1628.482	9.973008	9.8914
8405	M363T9_8	1.167683	-0.22365	-0.73644	0.482866	0.864078	DOWN	362.9419	362.9412	362.9426	9.235933	9.191133
8406	M525T9_8	1.26039	0.33387	0.756468	0.482876	0.864078	UP	525.4471	525.4466	525.4475	9.250817	9.12675
8407	M386T9_3	1.21061	-0.27573	-0.73767	0.482892	0.864078	DOWN	385.7324	385.7321	385.7327	9.434192	9.355317
8408	M701T18_	1.621148	0.697015	0.770682	0.482935	0.864078	UP	701.4932	701.4931	701.4935	17.82775	17.55683
8409	M789T10_	1.302089	-0.38083	-0.73821	0.48297	0.864078	DOWN	788.6007	788.5994	788.601	9.933567	9.8378
8410	M325T10_	1.123133	-0.16753	-0.76624	0.483041	0.864078	DOWN	324.8965	324.8962	324.8974	9.851025	9.743667
8411	M857T11_	1.11228	-0.15352	-0.75722	0.483121	0.864078	DOWN	857.4812	857.48	857.4826	10.90659	10.879
8412	M520T44_	1.166633	0.222351	0.758108	0.483251	0.864078	UP	520.2749	520.2746	520.2752	43.86933	43.6895
8413	M180T11_	1.273329	-0.34861	-0.75438	0.483295	0.864078	DOWN	180.0124	180.0123	180.0125	10.86267	10.8214
8414	M241T10_	1.888981	0.917608	0.76528	0.483375	0.864078	UP	240.9302	240.9301	240.9304	9.92625	9.827283
8415	M341T11_	1.0997	-0.13711	-0.73794	0.483378	0.864078	DOWN	340.538	340.5378	340.5391	10.89875	10.879
8416	M636T27	1.331944	0.413533	0.737907	0.483506	0.864078	UP	636.38	636.3792	636.3804	27.28808	27.25517
8417	M423T9_5	1.217621	-0.28407	-0.73493	0.483553	0.864078	DOWN	423.1303	423.13	423.1306	9.2529	9.1587
8418	M250T9_1	1.39095	-0.47607	-0.74332	0.483558	0.864078	DOWN	249.5659	249.5653	249.5661	9.055808	8.788667
8419	M607T10_	1.189704	-0.2506	-0.73659	0.483764	0.864078	DOWN	607.2568	607.2562	607.2586	9.597658	9.510117
8420	M723T10_	1.092572	-0.12773	-0.73596	0.483802	0.864078	DOWN	722.7585	722.7583	722.7587	9.818525	9.699733
8421	M340T10_	1.317726	0.39805	0.768367	0.483897	0.864078	UP	339.9213	339.921	339.9216	9.855658	9.73145
8422	M190T10_	1.255372	-0.32811	-0.75513	0.483917	0.864078	DOWN	190.0291	190.029	190.0292	9.914217	9.8378
8423	M157T10_	1.137857	-0.18632	-0.7412	0.483945	0.864078	DOWN	157.323	157.3229	157.3232	9.968992	9.859233
8424	M175T10_	1.34407	0.426609	0.757472	0.483962	0.864078	UP	175.0574	175.0512	175.0576	9.984083	9.8378
8425	M1874T10	1.130055	-0.17639	-0.74033	0.484016	0.864078	DOWN	1873.794	1873.791	1873.796	9.830833	9.715683
8426	M417T9_1	1.211484	-0.27678	-0.74535	0.484108	0.864078	DOWN	417.1976	417.1972	417.1978	9.037158	9.008317
8427	M323T10_	1.185995	-0.2461	-0.73634	0.484235	0.864078	DOWN	322.503	322.5029	322.5033	9.960817	9.843367
8428	M545T9_2	1.242144	-0.31283	-0.73338	0.484259	0.864078	DOWN	545.2165	545.2153	545.2175	9.315792	9.1587
8429	M153T10_	1.384278	0.469134	0.761036	0.484281	0.864078	UP	152.6238	152.6144	152.624	9.874067	9.840617
8430	M482T10_	1.21399	-0.27976	-0.73693	0.484369	0.864078	DOWN	481.9477	481.9474	481.9501	9.84525	9.743667
8431	M746T10_	1.443796	0.529867	0.766077	0.484399	0.864078	UP	746.4163	746.4138	746.4172	9.823575	9.699733
8432	M184T11_	1.138879	-0.18761	-0.7336	0.484462	0.864078	DOWN	184.2447	184.2446	184.2449	10.892	10.8646
8433	M706T10_	1.189267	-0.25007	-0.73361	0.484498	0.864078	DOWN	705.9194	705.9176	705.9195	10.2516	10.21468
8434	M678T34	1.587772	0.667004	0.758239	0.484556	0.864078	UP	678.4788	678.4785	678.4791	34.39475	34.35917

8435	M394T11_	1.271577	-0.34662	-0.73317	0.484584	0.864078	DOWN	394.2033	394.1966	394.2053	10.92925	10.89355
8436	M376T15_	2.061816	1.043915	0.767977	0.484657	0.864078	UP	376.2073	376.2071	376.2076	15.1608	15.10288
8437	M578T10_	1.093925	-0.12951	-0.73348	0.484705	0.864078	DOWN	577.6678	577.6675	577.6679	9.944392	9.827283
8438	M398T39	1.33991	-0.42214	-0.76796	0.484796	0.864078	DOWN	398.2381	398.238	398.2384	39.115	38.94217
8439	M195T9_5	1.340585	-0.42286	-0.74311	0.48481	0.864078	DOWN	194.7783	194.7771	194.7787	9.329642	9.166033
8440	M477T10_	1.271182	0.346171	0.734908	0.484897	0.864078	UP	477.1501	477.1497	477.1506	9.809075	9.7124
8441	M697T10_	1.11861	0.161707	0.732318	0.484988	0.864078	UP	697.3824	697.3821	697.383	9.970617	9.859233
8442	M251T11_	1.249499	-0.32135	-0.73219	0.485022	0.864078	DOWN	250.9826	250.9823	250.9826	10.83252	10.80695
8443	M351T10_	1.816337	0.861032	0.760653	0.485084	0.864078	UP	350.774	350.7738	350.7743	9.8887	9.7634
8444	M475T9_1	1.349743	0.432684	0.73509	0.485096	0.864078	UP	475.1259	475.1139	475.1282	9.079083	9.023433
8445	M492T10_	1.272809	-0.34802	-0.73388	0.485166	0.864078	DOWN	492.2264	492.2262	492.2266	9.970617	9.967367
8446	M398T10_	1.074261	-0.10334	-0.73402	0.485213	0.864078	DOWN	397.6901	397.6899	397.6903	9.917167	9.811217
8447	M219T9_1	1.198584	-0.26133	-0.74105	0.485234	0.864078	DOWN	219.252	219.2507	219.2524	9.357567	9.279417
8448	M527T10_	1.186961	-0.24727	-0.73416	0.485251	0.864078	DOWN	527.4366	527.436	527.437	9.95825	9.859233
8449	M791T21	1.080636	-0.11188	-0.73211	0.485256	0.864078	DOWN	790.5527	790.5521	790.553	21.43667	21.408
8450	M873T10_	1.112905	-0.15433	-0.73406	0.48528	0.864078	DOWN	872.5246	872.5237	872.5249	9.950258	9.843367
8451	M954T10_	2.087919	1.062066	0.764644	0.485289	0.864078	UP	954.2862	954.2834	954.287	9.956867	9.8914
8452	M643T10_	1.089675	-0.1239	-0.73434	0.4854	0.864078	DOWN	642.6198	642.6188	642.6203	9.8207	9.715683
8453	M222T10_	1.177419	-0.23563	-0.73238	0.485414	0.864078	DOWN	221.5259	221.5258	221.526	9.9014	9.79535
8454	M703T10_	1.059056	-0.08278	-0.73136	0.485483	0.864079	DOWN	702.9762	702.9757	702.9765	9.857833	9.73145
8455	M337T9_8	1.168984	-0.22526	-0.74992	0.485544	0.864079	DOWN	336.8871	336.8865	336.8872	8.978067	8.892117
8456	M1034T10	1.22506	-0.29285	-0.74044	0.485555	0.864079	DOWN	1033.608	1033.606	1033.609	9.770733	9.636483
8457	M673T10_	1.405385	0.490965	0.757953	0.485601	0.864079	UP	673.4596	673.4588	673.4597	9.968992	9.859233
8458	M348T25	1.102022	-0.14015	-0.73096	0.485836	0.864079	DOWN	348.3105	348.3104	348.3107	24.64833	24.63767
8459	M637T10_	1.203817	-0.26762	-0.73611	0.485871	0.864079	DOWN	636.9169	636.9165	636.9176	9.953417	9.843367
8460	M1343T10	1.931373	0.949627	0.760971	0.486178	0.864079	UP	1342.753	1342.75	1342.755	9.967533	9.8753
8461	M203T11_	1.108513	-0.14863	-0.73056	0.486225	0.864079	DOWN	202.7271	202.727	202.7273	10.892	10.879
8462	M647T26	1.305036	-0.38409	-0.7381	0.486231	0.864079	DOWN	646.981	646.9806	646.9819	26.00467	25.8495
8463	M569T10_	1.645761	0.718755	0.759606	0.486251	0.864079	UP	568.8041	568.803	568.8046	9.957033	9.8753
8464	M464T11_	1.388635	0.473667	0.76417	0.486354	0.864079	UP	464.3089	464.3085	464.3092	11.15472	11.11578
8465	M1342T10	1.140888	-0.19016	-0.73472	0.486362	0.864079	DOWN	1342.235	1342.228	1342.238	9.918292	9.827283
8466	M266T10_	1.740665	0.799638	0.733226	0.486386	0.864079	UP	266.0246	266.0242	266.0247	9.951283	9.859233
8467	M556T10_	1.139277	-0.18812	-0.7395	0.486388	0.864079	DOWN	556.0806	556.0803	556.0809	9.95605	9.843367
8468	M371T11_	1.146568	-0.19732	-0.72973	0.486407	0.864079	DOWN	371.3726	371.3719	371.373	10.91977	10.8214
8469	M550T9_5	1.72409	0.785835	0.762331	0.486449	0.864079	UP	550.4684	550.4679	550.4689	9.348233	9.29345

8470	M1871T10	2.855168	1.513576	0.762185	0.486488	0.864079	UP	1871.318	1871.316	1871.321	9.944942	9.840617
8471	M222T9_1	1.219473	-0.28626	-0.73808	0.486514	0.864079	DOWN	221.5078	221.5058	221.5082	9.358725	9.142767
8472	M423T11_	1.550305	-0.63255	-0.73692	0.486627	0.864079	DOWN	423.3959	423.3875	423.3989	10.93538	10.8628
8473	M220T9_1	1.422428	-0.50836	-0.73277	0.486703	0.864079	DOWN	219.5182	219.5152	219.5186	9.2673	9.098833
8474	M671T11	1.247603	-0.31916	-0.73491	0.486766	0.864079	DOWN	671.2208	671.2193	671.2215	10.90785	10.8914
8475	M819T22	1.106517	-0.14603	-0.73052	0.486807	0.864079	DOWN	818.584	818.5835	818.5842	21.88275	21.85283
8476	M627T9_3	1.747076	0.804942	0.761668	0.486885	0.864079	UP	627.4547	627.4543	627.4665	9.224517	9.1428
8477	M792T33	1.231481	0.300395	0.731224	0.486889	0.864079	UP	791.556	791.5549	791.5577	33.35433	33.326
8478	M437T9_1	1.318543	-0.39894	-0.73709	0.487005	0.864079	DOWN	436.5462	436.5456	436.5486	9.302667	9.129317
8479	M1132T11	1.13167	-0.17845	-0.73241	0.487024	0.864079	DOWN	1131.85	1131.849	1131.851	10.5188	10.47197
8480	M384T11_	1.287494	0.364565	0.745255	0.487029	0.864079	UP	383.5993	383.5987	383.6014	10.93929	10.879
8481	M212T9_1	1.382025	-0.46678	-0.72844	0.487151	0.864079	DOWN	212.2873	212.2858	212.2923	9.357567	9.053483
8482	M484T10_	1.24598	0.31728	0.741653	0.487215	0.864079	UP	484.3294	484.3176	484.33	9.64815	9.586183
8483	M647T10_	1.245067	-0.31622	-0.73258	0.48724	0.864079	DOWN	647.3316	647.3307	647.3327	9.637733	9.52595
8484	M637T9_4	1.14724	-0.19817	-0.73303	0.487253	0.864079	DOWN	637.2668	637.2653	637.2671	9.43315	9.40135
8485	M163T3	1.312292	0.392089	0.74427	0.487435	0.864079	UP	163.1326	163.1325	163.1326	2.5164	2.28205
8486	M287T10_	1.269776	0.344574	0.739252	0.487485	0.864079	UP	286.7349	286.7348	286.735	9.964167	9.8753
8487	M212T15	1.658196	-0.72961	-0.75261	0.487519	0.864079	DOWN	212.2005	212.2003	212.2008	14.8099	14.78027
8488	M289T22	1.067175	0.093797	0.735486	0.487615	0.864079	UP	289.2928	289.2926	289.2931	22.07925	22.0735
8489	M175T11	1.115324	-0.15746	-0.72764	0.487634	0.864079	DOWN	174.8834	174.8833	174.8835	10.90522	10.879
8490	M353T11_	1.107178	-0.14689	-0.72758	0.487704	0.864079	DOWN	353.2604	353.2601	353.2607	10.892	10.879
8491	M399T11_	1.119354	-0.16267	-0.7318	0.487774	0.864079	DOWN	398.9405	398.9403	398.9411	10.91983	10.90197
8492	M381T11_	1.289929	0.367292	0.732713	0.48778	0.864079	UP	380.88	380.8773	380.8859	10.91895	10.84847
8493	M420T10_	1.35165	0.434722	0.756244	0.487908	0.864079	UP	420.3762	420.3759	420.3764	9.930142	9.827283
8494	M230T11_	1.09692	-0.13346	-0.72719	0.488036	0.864079	DOWN	230.2623	230.2622	230.2624	10.89193	10.8646
8495	M359T10_	1.339398	0.421585	0.75548	0.48811	0.864079	UP	359.1275	359.1271	359.1303	9.847075	9.827283
8496	M343T19_	1.161177	-0.21559	-0.74381	0.488178	0.864079	DOWN	343.2377	343.2375	343.238	18.74558	18.72667
8497	M508T11_	1.115988	-0.15832	-0.72936	0.488213	0.864079	DOWN	508.0002	507.9999	508.0008	10.90551	10.879
8498	M701T18_	1.244216	0.315237	0.753405	0.488284	0.864079	UP	701.4933	701.4929	701.4937	18.4085	18.327
8499	M1935T10	1.495033	0.580178	0.758481	0.4883	0.864079	UP	1934.802	1934.8	1934.804	9.843017	9.747533
8500	M720T10_	1.159213	-0.21315	-0.73195	0.488363	0.864079	DOWN	720.1175	720.1153	720.1183	9.825767	9.715683
8501	M733T11	1.212844	-0.27839	-0.72969	0.488368	0.86408	DOWN	733.2885	733.2878	733.2891	10.91407	10.84847
8502	M1483T10	1.319649	-0.40015	-0.72661	0.488433	0.86408	DOWN	1483.376	1483.375	1483.378	9.879675	9.779267
8503	M393T9_8	1.271507	-0.34654	-0.72887	0.488439	0.86408	DOWN	393.3867	393.3852	393.3889	9.311883	9.160617
8504	M177T9_3	1.775534	0.828253	0.758055	0.488516	0.86408	UP	176.8641	176.8637	176.8687	9.280767	9.11795

8505	M425T10_	1.313323	0.393222	0.741325	0.488615	0.86408	UP	425.2043	425.1958	425.2054	9.970617	9.843367
8506	M643T21_	1.206438	-0.27075	-0.7291	0.488649	0.86408	DOWN	643.4819	643.481	643.4824	20.75917	20.73683
8507	M430T25_	1.452531	0.538569	0.736115	0.488699	0.86408	UP	429.6414	429.6412	429.6415	24.58017	24.5795
8508	M268T10_	1.317364	0.397654	0.738467	0.488706	0.86408	UP	267.7821	267.7817	267.7824	9.954217	9.843367
8509	M285T7_3	1.169042	-0.22533	-0.74594	0.48871	0.86408	DOWN	285.2405	285.2404	285.2408	7.039683	6.94005
8510	M763T28	1.237822	-0.3078	-0.72569	0.488772	0.86408	DOWN	762.5213	762.5208	762.5216	28.24533	28.18517
8511	M640T16	1.112595	-0.15393	-0.73135	0.488796	0.86408	DOWN	640.4488	640.4485	640.4493	15.5575	15.53263
8512	M554T44	1.152286	-0.2045	-0.74269	0.488834	0.86408	DOWN	554.1757	554.175	554.1766	44.46617	44.4085
8513	M389T10_	1.19667	-0.25903	-0.72862	0.488848	0.86408	DOWN	388.6051	388.6048	388.6055	9.971292	9.859233
8514	M355T10_	1.274548	-0.34999	-0.72541	0.488872	0.86408	DOWN	354.6363	354.6362	354.6365	9.818433	9.699733
8515	M276T10_	1.126532	-0.17189	-0.74624	0.48906	0.86408	DOWN	276.4677	276.4675	276.4677	9.8397	9.715683
8516	M438T25	1.30789	0.387241	0.750884	0.489104	0.86408	UP	438.1963	438.1961	438.1965	24.607	24.56517
8517	M311T11_	1.161363	0.215819	0.72876	0.489158	0.86408	UP	310.743	310.7426	310.7432	10.90553	10.89355
8518	M660T10_	1.047484	-0.06693	-0.72835	0.489238	0.86408	DOWN	659.5446	659.5441	659.5466	9.843017	9.715683
8519	M324T10_	1.195274	-0.25734	-0.73656	0.489336	0.86408	DOWN	323.8834	323.883	323.8835	9.514733	9.416817
8520	M590T10_	1.102446	-0.14071	-0.72452	0.489394	0.86408	DOWN	589.7684	589.768	589.7694	9.9351	9.827283
8521	M695T10_	1.209134	-0.27397	-0.72599	0.489439	0.86408	DOWN	694.9244	694.9232	694.925	10.02372	10.0044
8522	M1234T10	1.168825	-0.22506	-0.7245	0.489458	0.86408	DOWN	1233.584	1233.583	1233.585	9.64815	9.52595
8523	M488T10_	2.238591	1.162591	0.755364	0.489517	0.86408	UP	488.4749	488.4725	488.4752	9.729367	9.5812
8524	M397T10_	1.255576	-0.32835	-0.73368	0.489583	0.86408	DOWN	396.853	396.8526	396.8533	9.968992	9.859233
8525	M645T26	1.253702	-0.32619	-0.72436	0.489621	0.86408	DOWN	645.4759	645.4751	645.4763	26.00308	25.90867
8526	M891T10_	1.093515	-0.12897	-0.72516	0.489819	0.86408	DOWN	891.3728	891.3716	891.3735	9.934533	9.827283
8527	M204T21	1.279321	0.355379	0.729423	0.489827	0.86408	UP	204.1097	204.1094	204.1098	20.96592	20.94167
8528	M701T11_	1.071699	-0.0999	-0.73303	0.489951	0.86408	DOWN	701.4939	701.4938	701.494	11.29715	11.20712
8529	M1234T20	1.18192	-0.24113	-0.7274	0.489986	0.86408	DOWN	1233.573	1233.572	1233.574	19.67817	19.6585
8530	M226T9_1	1.238531	-0.30863	-0.72354	0.489991	0.86408	DOWN	226.4876	226.4859	226.4889	9.287967	9.1322
8531	M541T37_	1.223521	-0.29104	-0.7369	0.4901	0.86408	DOWN	541.4287	541.4286	541.429	37.02883	37.011
8532	M399T10_	1.403025	-0.48854	-0.72329	0.490149	0.86408	DOWN	398.7446	398.7446	398.7449	9.960967	9.8914
8533	M378T42_	1.530962	-0.61444	-0.72334	0.490154	0.86408	DOWN	378.2482	378.2482	378.2484	42.25117	42.20833
8534	M416T11_	1.290861	0.368334	0.736242	0.490169	0.86408	UP	415.9987	415.9986	415.9995	10.89875	10.879
8535	M228T11_	1.312679	-0.39251	-0.72704	0.490262	0.86408	DOWN	227.5465	227.5459	227.5472	10.91102	10.84767
8536	M571T11_	1.214183	-0.27999	-0.72856	0.490323	0.86408	DOWN	570.7491	570.7487	570.7499	10.93333	10.8646
8537	M451T22	1.272109	-0.34722	-0.72371	0.490344	0.86408	DOWN	451.3243	451.324	451.3249	21.69658	21.68
8538	M421T11_	1.327703	0.408933	0.748683	0.490569	0.86408	UP	421.2523	421.2521	421.2525	10.89875	10.879
8539	M1270T10	1.186263	-0.24642	-0.72963	0.490576	0.86408	DOWN	1269.673	1269.668	1269.675	9.977867	9.8753

8540	M241T10_	1.281713	0.358073	0.748886	0.490599	0.86408	UP	240.9089	240.9087	240.9089	9.930908	9.827283
8541	M273T10_	1.255823	-0.32863	-0.72576	0.490633	0.86408	DOWN	273.1234	273.1172	273.1293	9.945775	9.827283
8542	M290T9_4	1.303141	-0.38199	-0.72265	0.490689	0.86408	DOWN	289.8579	289.8566	289.8583	8.952192	8.892117
8543	M841T10_	1.20264	-0.2662	-0.72927	0.490741	0.86408	DOWN	840.7337	840.7332	840.7349	9.9468	9.843367
8544	M236T9_6	1.14659	-0.19735	-0.72181	0.490986	0.86408	DOWN	235.9878	235.9869	235.9888	9.311167	9.132267
8545	M339T10_	1.060529	-0.08478	-0.74268	0.491042	0.86408	DOWN	338.8075	338.8074	338.8077	9.962617	9.8753
8546	M782T10_	1.447868	0.53393	0.750175	0.491148	0.86408	UP	781.7026	781.7001	781.7034	9.969158	9.859233
8547	M237T12_	1.248183	0.319829	0.724743	0.491158	0.86408	UP	237.1095	237.1095	237.1095	12.16525	12.15077
8548	M201T43_	1.086798	-0.12008	-0.72291	0.491159	0.86408	DOWN	201.1118	201.1118	201.112	42.65383	42.56767
8549	M440T22_	1.20322	-0.2669	-0.72143	0.491201	0.86408	DOWN	439.8056	439.8048	439.8075	21.62733	21.6155
8550	M308T10_	1.208264	-0.27294	-0.72156	0.491232	0.86408	DOWN	307.7441	307.7439	307.7572	9.917167	9.859233
8551	M338T10_	1.159322	-0.21328	-0.72168	0.491272	0.86408	DOWN	337.8052	337.7997	337.8053	9.823575	9.699733
8552	M661T10_	1.22828	-0.29664	-0.74626	0.491293	0.86408	DOWN	661.3917	661.3903	661.3923	10.15822	10.07528
8553	M700T31	1.131182	-0.17783	-0.73701	0.491332	0.864081	DOWN	699.5026	699.502	699.5029	31.2915	31.28017
8554	M961T10	1.310059	-0.38963	-0.72553	0.491456	0.864081	DOWN	960.5944	960.593	960.5961	9.960467	9.956417
8555	M493T9_4	1.671203	0.740887	0.745308	0.49147	0.864081	UP	493.3359	493.3352	493.336	8.936367	8.877267
8556	M680T26_	1.522812	-0.60674	-0.75012	0.491546	0.864081	DOWN	679.5114	679.5113	679.5115	25.56467	25.337
8557	M816T11_	1.162723	-0.21751	-0.72116	0.491585	0.864081	DOWN	815.9856	815.9847	815.9862	10.60347	10.53485
8558	M519T9_4	1.352192	0.4353	0.727966	0.491647	0.864081	UP	519.4223	519.4175	519.4269	9.280458	9.160617
8559	M725T9_4	1.483655	-0.56916	-0.72162	0.491657	0.864081	DOWN	725.4445	725.4445	725.4446	9.325333	9.2585
8560	M173T10_	1.093821	0.129376	0.752275	0.491662	0.864081	UP	172.7161	172.716	172.7161	9.8397	9.715683
8561	M168T10_	1.23769	-0.30765	-0.7309	0.491676	0.864081	DOWN	167.7173	167.7171	167.7194	9.830833	9.715683
8562	M364T10_	1.62204	0.697809	0.745012	0.491682	0.864081	UP	364.2577	364.2568	364.2697	9.787633	9.640367
8563	M476T9_9	1.184734	-0.24456	-0.7374	0.491863	0.864081	DOWN	476.0677	476.0626	476.0681	8.858133	8.745033
8564	M558T10_	1.214377	0.280217	0.720211	0.491906	0.864081	UP	557.6487	557.6486	557.6489	9.903742	9.79535
8565	M152T10_	1.155253	-0.20821	-0.72028	0.491933	0.864081	DOWN	151.8954	151.8952	151.8956	9.942317	9.843367
8566	M173T10_	1.409566	-0.49525	-0.7205	0.491944	0.864081	DOWN	173.0806	173.0805	173.0808	9.628092	9.540717
8567	M293T9_3	1.161232	-0.21566	-0.72622	0.491968	0.864081	DOWN	293.1907	293.1906	293.1918	8.745917	8.643767
8568	M242T10_	1.177537	-0.23577	-0.72034	0.492134	0.864081	DOWN	241.9621	241.9619	241.9622	9.903567	9.811217
8569	M337T28_	1.261962	-0.33567	-0.72036	0.492135	0.864081	DOWN	336.5944	336.5941	336.5945	28.39158	28.37683
8570	M778T10_	1.293656	-0.37145	-0.72134	0.49215	0.864081	DOWN	778.4864	778.4859	778.4875	9.547133	9.40135
8571	M228T9_1	1.201644	-0.26501	-0.72585	0.492205	0.864081	DOWN	228.2176	228.2159	228.2183	9.357567	9.275917
8572	M400T9_5	1.189992	-0.25095	-0.7218	0.492237	0.864081	DOWN	399.9419	399.9414	399.9424	9.365833	9.219483
8573	M282T22	1.178714	0.237214	0.724741	0.492299	0.864081	UP	282.2212	282.2209	282.2218	22.10667	22.08183
8574	M403T9_2	1.219048	-0.28575	-0.72685	0.492306	0.864081	DOWN	402.8174	402.8173	402.8175	9.429367	9.40135

8575	M575T10_	1.154413	-0.20716	-0.74447	0.492342	0.864081	DOWN	575.0539	575.0538	575.0542	9.930908	9.827283
8576	M577T11_	1.083802	-0.1161	-0.72207	0.492346	0.864081	DOWN	577.4186	577.4184	577.4189	10.5188	10.47197
8577	M212T10_	1.235027	0.304543	0.719388	0.492379	0.864081	UP	212.4822	212.4821	212.4824	9.790675	9.73145
8578	M344T19_	1.313885	0.393839	0.744307	0.492434	0.864081	UP	344.2412	344.2411	344.2413	19.0965	19.09517
8579	M259T11_	1.123879	-0.16849	-0.7193	0.492452	0.864081	DOWN	258.6822	258.6821	258.6823	10.892	10.879
8580	M468T20	1.298087	0.376387	0.719093	0.492552	0.864081	UP	468.3316	468.3311	468.3323	19.80992	19.78833
8581	M270T11_	1.143308	-0.19321	-0.74446	0.492571	0.864081	DOWN	269.7345	269.7339	269.7347	10.91809	10.90553
8582	M351T10_	1.059352	0.083181	0.736214	0.492589	0.864081	UP	351.1459	351.1458	351.146	9.8397	9.715683
8583	M220T10_	1.239638	-0.30992	-0.72167	0.492603	0.864081	DOWN	219.6581	219.6579	219.6582	9.932033	9.827283
8584	M573T10_	1.135936	-0.18388	-0.73522	0.49269	0.864081	DOWN	572.7895	572.7891	572.7901	9.918792	9.811217
8585	M201T9_4	1.426696	0.512678	0.719783	0.492728	0.864081	UP	200.6208	200.6207	200.6211	9.16125	9.142767
8586	M562T10_	1.263879	-0.33786	-0.7284	0.492738	0.864081	DOWN	561.5724	561.5719	561.573	9.95385	9.827283
8587	M683T36	1.646296	-0.71922	-0.74329	0.49274	0.864081	DOWN	682.5043	682.5035	682.5054	36.21575	36.19383
8588	M188T9_2	1.239198	-0.30941	-0.71965	0.49281	0.864081	DOWN	188.4957	188.4944	188.4959	9.175017	9.132267
8589	M347T10_	1.249322	0.321145	0.719005	0.492914	0.864081	UP	347.4919	347.4917	347.4981	9.972483	9.8753
8590	M699T10_	1.1453	-0.19573	-0.74144	0.492959	0.864081	DOWN	698.9863	698.986	698.9873	9.865867	9.779267
8591	M391T11_	1.226158	0.294145	0.719709	0.493016	0.864081	UP	391.4904	391.4892	391.4905	10.94652	10.92828
8592	M231T10_	1.068779	-0.09596	-0.72066	0.493027	0.864081	DOWN	231.0839	231.0747	231.084	9.943183	9.827283
8593	M577T10_	1.199197	0.262069	0.718273	0.493036	0.864081	UP	576.9768	576.9765	576.9773	9.953367	9.859233
8594	M696T10_	1.457743	0.543736	0.748766	0.4931	0.864081	UP	695.7733	695.7726	695.7738	9.772883	9.747533
8595	M470T10_	1.191133	-0.25233	-0.72294	0.493111	0.864081	DOWN	470.4251	470.4249	470.4254	9.967367	9.859233
8596	M618T9_1	1.396926	-0.48226	-0.72049	0.493122	0.864081	DOWN	617.693	617.69	617.6972	9.142767	8.872733
8597	M299T39_	1.124159	0.168846	0.751277	0.49316	0.864081	UP	299.185	299.1849	299.1852	39.25883	39.04283
8598	M548T37	1.094517	0.130294	0.747362	0.493277	0.864081	UP	548.3427	548.3425	548.3429	36.94342	36.67617
8599	M327T25_	1.383493	0.468315	0.722764	0.493291	0.864081	UP	327.1989	327.1984	327.1992	24.63792	24.59267
8600	M437T11_	1.177029	-0.23515	-0.72247	0.493314	0.864081	DOWN	436.5045	436.5044	436.5057	10.90659	10.879
8601	M277T10_	1.061076	-0.08553	-0.72752	0.493366	0.864081	DOWN	276.7278	276.7276	276.7279	9.8802	9.779267
8602	M352T40_	1.087232	-0.12066	-0.74644	0.493417	0.864081	DOWN	352.1965	352.1963	352.1967	40.28758	40.28017
8603	M731T11_	1.090744	0.125312	0.727668	0.49342	0.864081	UP	730.529	730.5287	730.5295	10.62363	10.59933
8604	M478T39_	1.136838	-0.18503	-0.74649	0.493509	0.864081	DOWN	478.2644	478.2642	478.2646	39.09333	39.02833
8605	M450T22	1.234697	-0.30416	-0.71748	0.493527	0.864081	DOWN	450.321	450.3208	450.3215	21.68492	21.67983
8606	M151T42_	1.421671	-0.50759	-0.74814	0.493704	0.864081	DOWN	151.1115	151.1114	151.1115	42.26517	42.02117
8607	M1179T10	1.086294	0.119414	0.725781	0.493816	0.864081	UP	1178.872	1178.871	1178.873	9.843017	9.683817
8608	M294T19	1.529957	0.613491	0.732196	0.49382	0.864081	UP	294.2272	294.2271	294.2276	18.96558	18.95117
8609	M809T16	1.213283	-0.27892	-0.72131	0.493975	0.864081	DOWN	809.3786	809.3771	809.3796	15.71543	15.67228

8610	M330T11_	1.229786	-0.29841	-0.71646	0.494111	0.864081	DOWN	330.3599	330.3597	330.36	10.84847	10.82972
8611	M390T10_	1.219896	0.286759	0.721176	0.49428	0.864081	UP	390.4687	390.4685	390.4689	9.979342	9.8753
8612	M631T10_	1.299024	0.377428	0.716289	0.494286	0.864081	UP	630.7762	630.7756	630.7766	10.39007	10.34542
8613	M422T11_	1.08816	-0.12189	-0.72251	0.49432	0.864082	DOWN	422.0179	422.0175	422.0183	10.892	10.879
8614	M456T13_	1.553688	0.635697	0.74213	0.494352	0.864082	UP	456.3435	456.3426	456.3458	13.0404	12.99785
8615	M1470T10_	1.5167	0.600936	0.745852	0.494591	0.864082	UP	1470.279	1470.277	1470.284	9.923708	9.859233
8616	M359T11_	1.12581	-0.17096	-0.72302	0.49479	0.864082	DOWN	359.0158	359.0155	359.0161	10.90373	10.88995
8617	M680T40_	1.167661	0.223621	0.71554	0.494804	0.864082	UP	680.3854	680.3853	680.3857	40.1365	39.9205
8618	M374T10_	1.186709	-0.24697	-0.72634	0.494809	0.864082	DOWN	373.8803	373.8801	373.8805	9.972483	9.8914
8619	M639T10_	1.170816	0.227514	0.733814	0.494823	0.864082	UP	638.5353	638.5347	638.5387	9.831517	9.715683
8620	M362T9_3	1.194743	-0.2567	-0.71865	0.494857	0.864082	DOWN	361.9715	361.9701	361.9747	9.29345	9.159717
8621	M434T10_	1.21989	-0.28675	-0.71616	0.494865	0.864082	DOWN	434.0506	434.0501	434.051	9.939575	9.843367
8622	M508T41_	1.359119	-0.44267	-0.72863	0.494866	0.864082	DOWN	508.2749	508.2747	508.275	40.63983	40.4675
8623	M698T9_3	1.315773	-0.39591	-0.73183	0.494993	0.864082	DOWN	697.6525	697.6522	697.6528	9.305225	9.234417
8624	M243T11_	1.08966	0.123878	0.731656	0.495132	0.864082	UP	243.3182	243.3179	243.322	10.92225	10.80695
8625	M350T9_1	1.112974	-0.15442	-0.71466	0.495157	0.864082	DOWN	349.5193	349.5187	349.5194	9.285867	9.129317
8626	M331T9_3	1.195156	-0.2572	-0.71683	0.495225	0.864082	DOWN	330.6207	330.6205	330.621	9.320067	9.129317
8627	M348T26_	1.297057	-0.37524	-0.71817	0.495244	0.864082	DOWN	348.496	348.4959	348.4963	26.3215	26.25033
8628	M294T30_	2.265214	1.179647	0.71903	0.4953	0.864082	UP	294.1814	294.1707	294.1837	29.805	29.776
8629	M457T10_	1.162526	-0.21726	-0.71952	0.495336	0.864082	DOWN	456.7983	456.7978	456.7987	9.968992	9.859233
8630	M611T11_	1.151422	-0.20342	-0.71439	0.49536	0.864082	DOWN	611.0607	611.0603	611.061	10.89193	10.8646
8631	M709T30_	1.122392	0.166577	0.736494	0.495372	0.864082	UP	709.4708	709.4704	709.4714	30.25158	30.226
8632	M236T10_	2.330732	1.220783	0.747058	0.495459	0.864082	UP	236.4266	236.4264	236.4267	9.946367	9.843367
8633	M343T9_6	1.259519	-0.33287	-0.71531	0.495546	0.864082	DOWN	343.2492	343.249	343.2496	9.312075	9.234417
8634	M531T9_2	1.30395	-0.38289	-0.72384	0.495553	0.864082	DOWN	530.6518	530.6506	530.6526	9.29345	9.237017
8635	M1219T10_	1.266988	0.341403	0.714982	0.49556	0.864082	UP	1218.582	1218.581	1218.587	9.975142	9.859233
8636	M354T9_4	1.399456	0.484866	0.734279	0.49562	0.864082	UP	353.8144	353.8125	353.8149	9.358725	9.174967
8637	M644T10_	1.183314	0.242833	0.733955	0.495662	0.864082	UP	644.4865	644.486	644.4877	9.834117	9.715683
8638	M598T25_	1.195262	-0.25733	-0.73029	0.495681	0.864082	DOWN	598.4521	598.4515	598.4532	25.0435	24.9865
8639	M437T10_	1.241921	0.312573	0.732877	0.495704	0.864082	UP	436.6265	436.6263	436.6274	9.98345	9.859233
8640	M217T10_	1.265787	-0.34003	-0.71355	0.495791	0.864082	DOWN	217.4028	217.4026	217.4102	9.900833	9.806367
8641	M1953T10_	1.33296	-0.41463	-0.72001	0.495827	0.864082	DOWN	1953.492	1953.49	1953.493	9.8207	9.715683
8642	M219T11_	1.103576	-0.14219	-0.71334	0.495917	0.864082	DOWN	218.8425	218.8423	218.8427	10.892	10.879
8643	M568T9_3	1.178351	-0.23677	-0.72336	0.495951	0.864082	DOWN	567.9175	567.9164	567.9184	9.449367	9.370583
8644	M402T15_	1.231398	0.300297	0.716028	0.496033	0.864082	UP	402.1906	402.1896	402.1908	14.92685	14.91228

8645	M531T11	1.235701	0.30533	0.727721	0.496035	0.864082	UP	530.5348	530.5314	530.5361	10.92253	10.879
8646	M300T10_	1.090189	-0.12458	-0.72412	0.496078	0.864082	DOWN	299.9032	299.9029	299.9033	9.964092	9.859233
8647	M366T10_	1.177815	-0.23611	-0.7145	0.496126	0.864082	DOWN	365.835	365.8344	365.8351	9.830658	9.699733
8648	M458T9_9	1.640841	0.714435	0.743871	0.496132	0.864082	UP	458.3204	458.3202	458.3213	9.396625	9.2585
8649	M681T11_	1.244495	-0.31556	-0.71451	0.496222	0.864082	DOWN	680.8904	680.8903	680.8913	10.88747	10.86008
8650	M1908T10	1.24506	-0.31622	-0.71943	0.496228	0.864082	DOWN	1908.24	1908.239	1908.241	9.82645	9.715683
8651	M196T23	1.130795	-0.17734	-0.71749	0.496326	0.864082	DOWN	196.1046	196.1045	196.1047	22.88567	22.857
8652	M969T11_	1.24744	0.318971	0.722819	0.49657	0.864082	UP	969.0046	969.0037	969.0054	10.91813	10.85018
8653	M351T9_8	1.089154	0.123208	0.725058	0.496579	0.864082	UP	350.8325	350.8324	350.8327	9.26575	9.11405
8654	M729T10_	1.370673	0.454884	0.746388	0.496599	0.864082	UP	728.8334	728.833	728.834	9.818433	9.715683
8655	M547T27	1.345331	0.427961	0.727533	0.496716	0.864082	UP	547.3235	547.3232	547.3237	26.74067	26.6835
8656	M714T9_1	1.132895	-0.18001	-0.71358	0.496779	0.864082	DOWN	713.9842	713.9836	713.9849	9.246483	9.129317
8657	M205T9_1	1.281661	-0.35802	-0.71473	0.496798	0.864082	DOWN	204.9317	204.9313	204.9323	9.330825	9.277967
8658	M420T35_	1.19674	0.25911	0.734779	0.496818	0.864082	UP	420.2225	420.2224	420.2228	34.64758	34.54183
8659	M273T39	1.291634	-0.3692	-0.74568	0.49686	0.864082	DOWN	273.1693	273.1692	273.1696	38.7265	38.48183
8660	M842T10_	1.172969	-0.23016	-0.72372	0.496935	0.864082	DOWN	842.3421	842.3418	842.3426	9.948875	9.843367
8661	M458T11_	1.139198	-0.18802	-0.71475	0.496974	0.864082	DOWN	458.309	458.3088	458.3102	10.91234	10.8646
8662	M655T9_3	1.217916	-0.28441	-0.71335	0.497004	0.864082	DOWN	655.2372	655.2362	655.2376	9.317	9.234417
8663	M423T25_	1.288878	-0.36612	-0.71245	0.497005	0.864082	DOWN	422.7945	422.7937	422.7946	24.7755	24.75283
8664	M885T9	1.34378	-0.4263	-0.71347	0.497117	0.864082	DOWN	884.577	884.5765	884.5777	8.944917	8.878667
8665	M411T7_2	1.316157	-0.39633	-0.71128	0.497123	0.864082	DOWN	410.8556	410.8554	410.8558	7.24735	7.082667
8666	M430T10_	1.800094	0.848072	0.738496	0.497133	0.864082	UP	430.0316	430.0305	430.0324	9.903583	9.859233
8667	M431T26_	1.235185	-0.30473	-0.71125	0.497141	0.864082	DOWN	430.6526	430.6524	430.6529	26.01683	25.89433
8668	M364T10_	1.545621	0.628186	0.743528	0.497186	0.864082	UP	364.4378	364.4365	364.4381	9.8207	9.699733
8669	M350T10_	1.134724	-0.18234	-0.71799	0.497201	0.864082	DOWN	349.8359	349.8357	349.836	9.8207	9.715683
8670	M510T44_	1.106852	-0.14646	-0.74517	0.497252	0.864082	DOWN	510.2904	510.2901	510.2907	44.013	43.93417
8671	M347T9_4	1.412987	0.498748	0.733597	0.497257	0.864082	UP	347.2039	347.2036	347.205	9.102008	8.983883
8672	M550T10_	1.193285	-0.25494	-0.72968	0.49726	0.864082	DOWN	549.9482	549.9472	549.9486	9.985117	9.9009
8673	M844T10_	1.191804	-0.25315	-0.74094	0.497271	0.864082	DOWN	843.7497	843.7492	843.7501	9.9847	9.9009
8674	M312T10_	1.906888	0.93122	0.742043	0.49736	0.864083	UP	312.0758	312.0751	312.0766	9.7634	9.65225
8675	M474T9_4	1.123113	-0.1675	-0.71282	0.497407	0.864083	DOWN	474.1787	474.1783	474.179	9.241267	9.129317
8676	M232T10_	1.163068	-0.21794	-0.7159	0.497442	0.864083	DOWN	232.4706	232.4705	232.4707	9.9468	9.827283
8677	M195T23_	1.078223	-0.10866	-0.7118	0.497446	0.864083	DOWN	195.1013	195.1012	195.1015	22.87883	22.85683
8678	M1643T10	1.17797	-0.2363	-0.71767	0.497532	0.864083	DOWN	1643.399	1643.398	1643.402	9.8796	9.7634
8679	M247T11_	1.293079	-0.37081	-0.71346	0.497542	0.864083	DOWN	247.4835	247.4833	247.4837	10.8924	10.84487



8680	M346T11_	1.20417	0.268039	0.719167	0.497682	0.864083	UP	346.3557	346.3512	346.3568	10.90785	10.873
8681	M618T10_	1.5862	0.665575	0.743577	0.497733	0.864083	UP	617.725	617.7244	617.7284	9.8348	9.73145
8682	M1175T10	1.111285	0.152229	0.721147	0.497747	0.864083	UP	1174.683	1174.682	1174.685	9.843475	9.78305
8683	M287T23_	1.053636	-0.07538	-0.71656	0.497754	0.864083	DOWN	287.1565	287.1563	287.1567	22.90042	22.88567
8684	M554T10_	1.103798	-0.14248	-0.71742	0.498038	0.864083	DOWN	554.3618	554.3613	554.362	9.943183	9.827283
8685	M841T21	1.165608	-0.22108	-0.70958	0.498132	0.864083	DOWN	840.566	840.5655	840.5662	21.25517	21.24683
8686	M732T10_	1.459781	0.545752	0.738466	0.498213	0.864083	UP	732.3809	732.3802	732.3815	9.969158	9.859233
8687	M346T10_	1.232254	0.3013	0.725092	0.498305	0.864083	UP	345.7965	345.7962	345.7967	9.979325	9.859233
8688	M244T22_	1.083077	-0.11514	-0.72652	0.498315	0.864083	DOWN	244.2633	244.2632	244.2634	21.97633	21.97183
8689	M438T38	1.207331	-0.27182	-0.71025	0.498378	0.864083	DOWN	438.2694	438.2692	438.2696	37.56017	37.51783
8690	M336T10_	1.14253	-0.19223	-0.70914	0.498382	0.864083	DOWN	336.1526	336.1524	336.1575	9.825492	9.699733
8691	M260T11_	1.14623	-0.1969	-0.71481	0.498409	0.864083	DOWN	260.0902	260.09	260.0905	10.90522	10.879
8692	M280T9_1	1.242695	-0.31347	-0.71183	0.498429	0.864083	DOWN	280.0027	280.0008	280.0049	9.2368	9.1322
8693	M1645T10	1.142328	-0.19198	-0.71057	0.498511	0.864083	DOWN	1645.122	1645.121	1645.128	9.902008	9.811217
8694	M238T9_3	1.653222	0.725281	0.732758	0.498526	0.864083	UP	238.1504	238.1495	238.1511	9.34115	9.1175
8695	M529T9_2	1.468118	0.553968	0.716909	0.498529	0.864083	UP	529.1267	529.1255	529.1285	9.212983	9.142767
8696	M534T39_	1.194717	0.256669	0.723369	0.498545	0.864083	UP	534.2908	534.2904	534.2909	38.68325	38.55383
8697	M194T9_1	1.572188	0.652774	0.733366	0.498595	0.864083	UP	194.053	194.0526	194.0534	9.280767	9.111033
8698	M455T10_	1.214396	-0.28024	-0.71612	0.498601	0.864083	DOWN	455.1722	455.1718	455.1723	9.88865	9.811217
8699	M291T11_	1.113267	0.154799	0.710808	0.498635	0.864083	UP	290.9926	290.9923	290.9927	10.9049	10.88747
8700	M212T10_	1.17995	-0.23873	-0.71403	0.49866	0.864083	DOWN	212.2945	212.2942	212.2952	9.816167	9.7124
8701	M441T10_	1.171776	-0.2287	-0.71727	0.498727	0.864083	DOWN	440.6518	440.6513	440.6521	9.970617	9.8753
8702	M274T26	1.124643	-0.16947	-0.72443	0.498789	0.864083	DOWN	274.2736	274.2735	274.2738	25.69192	25.673
8703	M848T10_	1.206814	-0.2712	-0.72614	0.4988	0.864083	DOWN	847.7371	847.7361	847.7377	9.903017	9.79535
8704	M249T11_	1.104321	-0.14316	-0.70935	0.498822	0.864083	DOWN	249.0649	249.0648	249.0653	10.892	10.879
8705	M355T11_	1.131559	-0.17831	-0.71062	0.498833	0.864083	DOWN	354.9208	354.9207	354.9211	10.90519	10.879
8706	M1153T10	1.407802	0.493444	0.71938	0.499048	0.864083	UP	1153.161	1153.16	1153.162	9.994767	9.8914
8707	M1032T12	1.302413	-0.38119	-0.71427	0.499168	0.864083	DOWN	1031.792	1031.791	1031.794	11.63327	11.56978
8708	M157T11_	1.037997	0.053802	0.712132	0.499226	0.864083	UP	156.9846	156.9845	156.9847	11.47891	11.4686
8709	M909T10_	1.134322	-0.18183	-0.70763	0.499267	0.864083	DOWN	908.6876	908.6867	908.6883	10.4133	10.32768
8710	M1751T10	1.175018	-0.23268	-0.71012	0.49936	0.864083	DOWN	1751.278	1751.276	1751.28	9.951283	9.843367
8711	M701T10_	1.03208	-0.04555	-0.71008	0.499572	0.864083	DOWN	701.4436	701.4432	701.444	9.825767	9.715683
8712	M186T10_	1.446262	0.532328	0.734579	0.499612	0.864083	UP	185.6432	185.6431	185.6433	9.999	9.8914
8713	M225T10_	1.441195	0.527265	0.71046	0.499726	0.864083	UP	224.9236	224.9235	224.9237	9.917167	9.914217
8714	M248T12	1.165082	0.220431	0.706882	0.499755	0.864083	UP	248.2006	248.2003	248.2009	11.75123	11.72088

8715	M478T30	1.828439	-0.87061	-0.71992	0.499886	0.864083	DOWN	478.0067	478.006	478.0072	29.56575	29.47083
8716	M302T9_1	1.276076	0.351714	0.714708	0.49996	0.864083	UP	301.8394	301.8388	301.8405	9.287267	9.04725
8717	M420T43_	1.076144	-0.10587	-0.72402	0.499983	0.864083	DOWN	420.2226	420.2225	420.2229	43.33717	43.215
8718	M172T10_	1.102549	-0.14084	-0.70938	0.500008	0.864083	DOWN	171.6306	171.6302	171.6309	9.931875	9.827283
8719	M1100T10	1.227443	0.295656	0.706313	0.500047	0.864083	UP	1100.342	1100.341	1100.343	9.98155	9.8753
8720	M797T21	1.179465	-0.23813	-0.70872	0.500146	0.864083	DOWN	796.5396	796.5394	796.5402	21.15483	21.13267
8721	M512T9_3	1.193949	-0.25574	-0.72577	0.500219	0.864083	DOWN	511.7808	511.7802	511.7817	9.44825	9.355317
8722	M1970T10	1.347518	-0.4303	-0.71295	0.500264	0.864083	DOWN	1970.245	1970.242	1970.248	9.830283	9.728083
8723	M218T11_	1.104385	-0.14324	-0.70653	0.500268	0.864083	DOWN	217.9855	217.9853	217.9856	10.892	10.879
8724	M488T9	1.579377	0.659355	0.706062	0.500329	0.864083	UP	488.0243	488.0241	488.0247	9.310767	9.283817
8725	M249T10_	1.334869	0.416698	0.712289	0.500353	0.864083	UP	249.0585	249.055	249.0586	9.960817	9.649833
8726	M645T10_	1.173781	0.231164	0.729246	0.500454	0.864084	UP	644.558	644.5575	644.5597	9.825492	9.715683
8727	M468T10_	1.218489	-0.28509	-0.72038	0.500461	0.864084	DOWN	467.6599	467.6591	467.6613	9.77355	9.6681
8728	M255T10_	1.216452	0.282679	0.727211	0.500497	0.864084	UP	255.1763	255.1762	255.1766	9.970617	9.859233
8729	M638T10_	1.194619	-0.25655	-0.70577	0.500527	0.864084	DOWN	638.1211	638.1205	638.1233	9.9351	9.824233
8730	M402T10_	1.240742	0.311203	0.707315	0.500564	0.864084	UP	401.7494	401.7491	401.7637	9.902617	9.64815
8731	M553T9_8	1.105533	-0.14474	-0.71315	0.500565	0.864084	DOWN	553.4312	553.4306	553.4316	9.441	9.340183
8732	M656T10_	1.120605	-0.16428	-0.71151	0.500705	0.864084	DOWN	656.2474	656.2471	656.2489	9.855658	9.73145
8733	M198T14	1.607414	0.684742	0.730812	0.500713	0.864084	UP	198.185	198.1848	198.1851	14.29745	14.26692
8734	M492T10_	1.219953	0.286825	0.723318	0.500721	0.864084	UP	491.8651	491.8646	491.8653	9.979325	9.859233
8735	M946T10_	1.296714	-0.37486	-0.70814	0.500758	0.864084	DOWN	946.3107	946.3103	946.3118	9.946367	9.8753
8736	M653T9_2	1.202391	-0.26591	-0.71051	0.500766	0.864084	DOWN	653.3522	653.3501	653.3578	9.3261	9.12675
8737	M376T11_	1.148217	-0.1994	-0.70505	0.500864	0.864084	DOWN	376.277	376.2768	376.2776	10.892	10.873
8738	M444T10_	1.230876	-0.29969	-0.71638	0.500906	0.864084	DOWN	443.9777	443.9774	443.9782	9.8207	9.699733
8739	M365T9_6	1.402048	0.487535	0.709294	0.500921	0.864084	UP	364.7977	364.7967	364.8004	9.236775	9.053483
8740	M737T10_	1.326023	-0.40711	-0.70609	0.501048	0.864084	DOWN	736.5752	736.5747	736.5781	9.81635	9.536783
8741	M383T9_4	1.234722	-0.30419	-0.70454	0.501091	0.864084	DOWN	382.8745	382.8727	382.8787	9.263367	9.146383
8742	M329T9_3	1.166371	0.222027	0.716442	0.501128	0.864084	UP	329.1109	329.1012	329.1113	9.331383	9.234417
8743	M551T10_	1.276096	-0.35174	-0.71075	0.501195	0.864084	DOWN	550.8503	550.8497	550.8512	9.644725	9.624117
8744	M399T10_	1.339589	0.42179	0.728507	0.501421	0.864084	UP	398.5221	398.522	398.5224	9.930908	9.827283
8745	M664T10_	1.192189	0.253613	0.703678	0.501681	0.864084	UP	663.8697	663.8691	663.8705	10.15645	10.07528
8746	M303T25_	1.140704	0.189924	0.709549	0.501822	0.864084	UP	302.7497	302.7496	302.7499	24.69575	24.68133
8747	M324T26_	1.248838	-0.32059	-0.70299	0.502101	0.864084	DOWN	323.7428	323.7427	323.7431	26.0115	25.90867
8748	M493T8	1.586306	-0.66567	-0.70345	0.502157	0.864084	DOWN	493.3349	493.3349	493.335	7.5224	7.418917
8749	M676T10_	1.24603	-0.31734	-0.71592	0.502255	0.864084	DOWN	676.1062	676.1058	676.1066	9.844033	9.73145

8750	M744T10_	1.295475	0.373481	0.728667	0.502266	0.864084	UP	744.1676	744.1664	744.1683	9.831517	9.728083
8751	M827T10_	1.166632	-0.22235	-0.71664	0.502346	0.864084	DOWN	827.0034	827.0017	827.0042	10.31598	10.21468
8752	M182T9_1	1.306868	0.386114	0.710913	0.502347	0.864084	UP	182.422	182.4205	182.4224	9.190033	9.1175
8753	M544T25	1.377645	-0.4622	-0.71789	0.502361	0.864084	DOWN	544.4051	544.4047	544.4056	24.5365	24.49217
8754	M283T10_	1.171193	-0.22798	-0.71184	0.502398	0.864084	DOWN	282.6816	282.6813	282.6816	9.95385	9.843367
8755	M228T23_	1.395575	-0.48086	-0.70949	0.502504	0.864084	DOWN	228.2682	228.2682	228.2684	23.48367	23.4695
8756	M697T10_	1.101759	0.139809	0.706575	0.502537	0.864084	UP	696.9553	696.9546	696.9556	9.9847	9.8914
8757	M809T19	1.190002	-0.25096	-0.7181	0.502544	0.864084	DOWN	808.6011	808.6008	808.602	18.96583	18.95117
8758	M546T44	1.062847	0.087934	0.728603	0.502547	0.864084	UP	546.327	546.3267	546.3271	44.28625	44.12083
8759	M1337T10_	1.224963	-0.29274	-0.70315	0.5026	0.864084	DOWN	1337.071	1337.071	1337.073	9.872067	9.779267
8760	M480T10_	1.346016	0.428696	0.702031	0.502622	0.864084	UP	480.228	480.2274	480.2283	9.816183	9.7124
8761	M177T9_1	1.798772	0.847013	0.726078	0.502659	0.864084	UP	177.3704	177.3661	177.3711	9.185617	9.126783
8762	M612T9_8	1.211052	-0.27626	-0.71121	0.50266	0.864084	DOWN	612.3581	612.3577	612.3584	9.317	9.234417
8763	M418T10_	1.208644	0.27339	0.703304	0.502753	0.864084	UP	417.7282	417.7278	417.7292	9.991958	9.8753
8764	M687T30	1.17609	-0.234	-0.72362	0.502784	0.864084	DOWN	687.4893	687.488	687.49	30.26467	30.237
8765	M1643T10_	1.257901	0.331018	0.717639	0.502873	0.864084	UP	1643.232	1643.225	1643.237	9.917208	9.806367
8766	M472T9_6	1.3667	0.450697	0.703109	0.502917	0.864084	UP	472.1141	472.1132	472.118	9.3471	9.129317
8767	M362T9_2	1.224187	-0.29182	-0.70196	0.503064	0.864084	DOWN	361.9242	361.9235	361.9276	9.272625	9.18195
8768	M466T10_	1.114043	-0.15581	-0.7305	0.503129	0.864084	DOWN	466.4065	466.4062	466.4067	9.830658	9.699733
8769	M815T10_	1.373596	0.457958	0.721569	0.50313	0.864084	UP	814.9359	814.9353	814.9362	9.9722	9.8914
8770	M637T10_	1.263527	0.337456	0.708824	0.503207	0.864084	UP	637.2192	637.2117	637.2195	9.960817	9.843367
8771	M583T9_2	1.331157	-0.41268	-0.70583	0.503296	0.864084	DOWN	582.6746	582.6694	582.6761	9.170392	9.1036
8772	M597T34	1.180049	-0.23885	-0.70155	0.503379	0.864084	DOWN	597.4206	597.4201	597.421	33.6145	33.60017
8773	M486T11_	1.151525	0.203546	0.714	0.503385	0.864084	UP	485.9974	485.9971	486.0045	10.90553	10.88995
8774	M209T7	1.26774	-0.34226	-0.71716	0.503516	0.864084	DOWN	208.8906	208.8905	208.8907	6.641025	6.51355
8775	M363T10_	1.958875	0.970025	0.733219	0.503527	0.864085	UP	362.7431	362.7374	362.7434	9.835183	9.736117
8776	M701T10_	1.121951	0.16601	0.730487	0.503541	0.864085	UP	701.4917	701.4914	701.4921	9.865433	9.7634
8777	M382T11_	1.237395	0.307306	0.727183	0.503751	0.864085	UP	381.8076	381.8074	381.8084	10.90551	10.879
8778	M226T10_	1.121703	-0.16569	-0.70486	0.503815	0.864085	DOWN	226.3597	226.3596	226.3598	9.888342	9.811217
8779	M361T11_	1.211987	0.277375	0.714413	0.503864	0.864085	UP	360.5919	360.5917	360.5922	10.892	10.8646
8780	M490T11_	1.115451	-0.15763	-0.70146	0.503933	0.864085	DOWN	489.5028	489.5027	489.5036	10.89907	10.879
8781	M251T10_	1.109121	-0.14942	-0.7028	0.504122	0.864085	DOWN	251.1473	251.1471	251.1473	9.979342	9.8753
8782	M339T10_	1.231971	-0.30097	-0.71225	0.504221	0.864085	DOWN	339.343	339.3427	339.3431	9.8207	9.715683
8783	M805T10_	1.149854	-0.20145	-0.72069	0.504292	0.864085	DOWN	805.4917	805.4897	805.5027	10.233	10.01477
8784	M663T10_	1.475179	0.56089	0.69971	0.504343	0.864085	UP	663.304	663.2964	663.3051	9.8322	9.699733

8785	M707T10_	1.157854	-0.21145	-0.70306	0.504345	0.864085	DOWN	707.4723	707.4717	707.4744	9.804833	9.728083
8786	M996T10	1.171768	-0.22869	-0.70435	0.504377	0.864085	DOWN	995.5099	995.5094	995.5134	9.801883	9.681183
8787	M320T9_5	1.245835	-0.31711	-0.69951	0.504532	0.864085	DOWN	320.2302	320.2302	320.2307	9.423708	9.324917
8788	M430T43_	1.403829	-0.48937	-0.73221	0.504546	0.864085	DOWN	430.2432	430.2431	430.2434	42.95592	42.81217
8789	M206T11_	1.130126	0.176483	0.715259	0.504548	0.864085	UP	206.2146	206.2145	206.2148	10.892	10.879
8790	M358T10_	1.148766	-0.20009	-0.70604	0.504602	0.864085	DOWN	357.9333	357.9329	357.9335	9.964092	9.859233
8791	M378T9_2	1.126344	-0.17165	-0.71398	0.50461	0.864085	DOWN	377.5954	377.5946	377.5979	9.197875	9.129317
8792	M437T9_1	1.218918	-0.2856	-0.69985	0.504627	0.864085	DOWN	437.3644	437.3641	437.3646	9.159717	9.132267
8793	M727T10_	1.149521	0.201033	0.698671	0.504677	0.864085	UP	727.4308	727.4302	727.4311	10.33466	10.26307
8794	M620T10_	1.085329	-0.11813	-0.69866	0.504725	0.864085	DOWN	619.5438	619.5424	619.5478	9.828367	9.699733
8795	M746T9	1.182798	0.242203	0.700982	0.504773	0.864085	UP	746.1424	746.1417	746.1455	9.348233	9.24215
8796	M631T12_	1.183749	-0.24336	-0.69845	0.504776	0.864085	DOWN	631.4452	631.4428	631.4459	11.50338	11.42402
8797	M710T9_5	1.479017	0.564639	0.712076	0.504812	0.864085	UP	710.1759	710.1716	710.1775	9.250817	9.023483
8798	M377T11_	1.108938	-0.14918	-0.70155	0.504855	0.864085	DOWN	377.0355	377.0354	377.0358	10.892	10.879
8799	M416T45_	1.070266	-0.09797	-0.71894	0.504929	0.864085	DOWN	416.2641	416.2639	416.2641	44.81433	44.65283
8800	M820T10_	1.219345	-0.28611	-0.71979	0.504981	0.864085	DOWN	819.6365	819.636	819.6388	9.942317	9.843367
8801	M937T35	1.201121	-0.26438	-0.69842	0.50503	0.864085	DOWN	936.6464	936.6457	936.6488	35.27867	35.25417
8802	M189T9_5	1.273411	0.348698	0.698828	0.505052	0.864085	UP	188.7649	188.7638	188.7659	9.219483	9.11795
8803	M524T42_	1.144039	0.194136	0.703939	0.505073	0.864085	UP	524.306	524.3059	524.3061	42.33025	42.17917
8804	M681T11_	1.174264	0.231757	0.697985	0.505103	0.864085	UP	680.514	680.514	680.5141	10.67585	10.64593
8805	M685T10_	1.161982	-0.21659	-0.71819	0.505238	0.864085	DOWN	684.8909	684.89	684.8913	9.986767	9.8914
8806	M237T11_	1.102039	-0.14018	-0.69747	0.505313	0.864085	DOWN	237.0352	237.035	237.0353	10.89875	10.879
8807	M387T17	1.116467	-0.15894	-0.69844	0.505314	0.864085	DOWN	386.9181	386.918	386.9184	16.51771	16.47588
8808	M233T10_	1.160908	-0.21525	-0.70532	0.505325	0.864085	DOWN	232.7981	232.7979	232.8061	9.932	9.843367
8809	M1245T10	1.202625	-0.26619	-0.69811	0.505381	0.864085	DOWN	1244.571	1244.571	1244.572	9.970617	9.8753
8810	M645T10_	2.212952	1.145972	0.726615	0.505424	0.864085	UP	645.3495	645.3486	645.3503	9.816333	9.699733
8811	M227T10_	1.164189	-0.21933	-0.71057	0.505497	0.864085	DOWN	226.8857	226.8855	226.886	9.929783	9.827283
8812	M650T10_	1.346178	0.428869	0.713913	0.505529	0.864085	UP	650.4005	650.3958	650.4021	10.06398	9.9174
8813	M423T10_	1.29351	0.371291	0.723749	0.505672	0.864085	UP	422.9101	422.9099	422.9105	9.983467	9.8753
8814	M1858T10	1.138212	0.186769	0.699412	0.50568	0.864085	UP	1858.464	1858.462	1858.467	9.8397	9.81635
8815	M289T9_2	1.381599	0.466339	0.696828	0.505692	0.864085	UP	288.7609	288.7605	288.7612	8.992917	8.892117
8816	M172T9_5	1.769269	0.823154	0.729209	0.505702	0.864085	UP	172.2725	172.2705	172.2749	9.261625	9.1322
8817	M306T27	1.620202	-0.69617	-0.72122	0.50577	0.864085	DOWN	306.1851	306.1846	306.1855	27.20217	27.15717
8818	M297T10_	1.332583	0.414225	0.720183	0.505798	0.864085	UP	296.9181	296.918	296.9183	9.949233	9.853533
8819	M707T11_	1.149954	-0.20158	-0.69683	0.505875	0.864085	DOWN	707.1451	707.1354	707.1455	10.89954	10.88747

8820	M767T12	1.306623	-0.38584	-0.69901	0.505875	0.864085	DOWN	766.7115	766.7092	766.7126	12.20873	12.07727
8821	M420T10_	1.224906	0.292672	0.717644	0.505877	0.864085	UP	419.9126	419.9122	419.9128	9.918792	9.811217
8822	M840T10_	1.135506	-0.18333	-0.70036	0.505925	0.864085	DOWN	839.5841	839.5838	839.5845	9.930908	9.827283
8823	M237T11_	1.213165	-0.27878	-0.69711	0.50596	0.864085	DOWN	236.8401	236.8392	236.8403	10.92349	10.8646
8824	M386T10_	1.152023	0.204169	0.697606	0.506026	0.864085	UP	385.5556	385.5504	385.5608	9.902233	9.779267
8825	M420T11_	1.131584	-0.17834	-0.69622	0.506028	0.864085	DOWN	420.1559	420.1556	420.1562	10.90659	10.879
8826	M364T9_1	1.382035	-0.46679	-0.69764	0.506067	0.864085	DOWN	364.4266	364.4262	364.4271	8.92085	8.877267
8827	M589T10_	1.404056	-0.4896	-0.69613	0.506096	0.864085	DOWN	589.4366	589.434	589.4374	9.916767	9.79065
8828	M628T11_	1.223207	-0.29067	-0.6968	0.506173	0.864085	DOWN	627.7643	627.7637	627.7648	10.91813	10.8914
8829	M627T10_	1.6349	0.709202	0.703862	0.506197	0.864085	UP	626.8801	626.8793	626.8827	9.81635	9.73145
8830	M333T10_	1.296347	0.374452	0.725242	0.506254	0.864085	UP	333.1075	333.1073	333.1081	9.830558	9.715683
8831	M387T10_	1.446096	-0.53216	-0.71271	0.506298	0.864085	DOWN	387.426	387.4174	387.4261	9.915583	9.806367
8832	M274T10_	1.271829	-0.3469	-0.69755	0.506339	0.864085	DOWN	273.6286	273.6285	273.629	9.9174	9.827283
8833	M431T10_	1.152593	-0.20488	-0.69606	0.506362	0.864085	DOWN	430.8501	430.8496	430.8514	9.801992	9.699733
8834	M727T9_1	1.538039	0.621092	0.718942	0.506464	0.864085	UP	727.3029	727.3022	727.307	9.249592	9.161683
8835	M282T10_	1.24146	-0.31204	-0.69554	0.506522	0.864085	DOWN	281.9266	281.9265	281.927	9.964333	9.8914
8836	M352T9_7	1.168878	-0.22512	-0.69857	0.506535	0.864085	DOWN	352.4771	352.4771	352.4773	9.481492	9.416817
8837	M406T10_	1.156428	-0.20968	-0.69788	0.506544	0.864085	DOWN	406.3769	406.376	406.3774	9.902392	9.822117
8838	M349T10_	1.089382	0.12351	0.718779	0.506548	0.864085	UP	348.6627	348.6625	348.6628	9.864467	9.747533
8839	M540T11_	1.286511	0.363463	0.714436	0.50655	0.864085	UP	540.1945	540.1915	540.195	10.84828	10.83417
8840	M752T10_	1.071663	0.099851	0.723496	0.506578	0.864085	UP	752.1075	752.105	752.1085	9.83135	9.715683
8841	M364T11_	1.286877	0.363874	0.695379	0.506593	0.864085	UP	363.7994	363.7986	363.7998	10.90393	10.83572
8842	M284T10_	1.197068	-0.25951	-0.69529	0.506606	0.864085	DOWN	284.3934	284.3931	284.3937	9.9351	9.8378
8843	M281T31_	1.224519	0.292215	0.702269	0.506664	0.864086	UP	281.2946	281.2944	281.2947	31.40708	31.39283
8844	M333T10_	1.604378	0.682014	0.717906	0.506749	0.864086	UP	332.6128	332.6126	332.6128	10.17253	10.14972
8845	M665T11_	1.110302	0.150952	0.702069	0.506805	0.864086	UP	665.3889	665.3885	665.3895	11.49742	11.47593
8846	M411T10_	1.150585	-0.20237	-0.71462	0.506954	0.864086	DOWN	410.9951	410.9948	410.9954	9.597067	9.478833
8847	M241T10_	1.348335	0.431179	0.716682	0.507015	0.864086	UP	241.1936	241.1935	241.1938	9.933	9.827283
8848	M401T11_	1.280159	-0.35632	-0.69582	0.507019	0.864086	DOWN	401.3619	401.3529	401.3625	10.94835	10.91813
8849	M460T45_	1.056517	-0.07932	-0.70939	0.507045	0.864086	DOWN	460.2901	460.29	460.2904	44.77508	44.4515
8850	M187T42	1.028966	0.041195	0.706692	0.507051	0.864086	UP	187.0962	187.0961	187.0962	41.76125	41.604
8851	M160T10	1.154105	-0.20677	-0.71344	0.507358	0.864086	DOWN	1606.687	1606.686	1606.688	9.61185	9.49445
8852	M255T10_	1.267296	0.341754	0.700285	0.507359	0.864086	UP	254.775	254.7748	254.7756	9.512983	9.416817
8853	M271T10_	1.180588	-0.23951	-0.71679	0.507428	0.864086	DOWN	270.7285	270.7274	270.7289	9.8445	9.73145
8854	M838T10_	1.184052	-0.24373	-0.70013	0.507438	0.864086	DOWN	837.7665	837.7663	837.7668	9.946467	9.843367

8855	M738T10_	1.140501	0.189668	0.713334	0.507696	0.864086	UP	737.9516	737.9502	737.9524	10.38528	10.34725
8856	M459T9_2	1.265136	-0.33929	-0.69328	0.50777	0.864086	DOWN	459.0926	459.0911	459.0928	9.346	9.20785
8857	M414T25	1.252377	-0.32467	-0.70625	0.507782	0.864086	DOWN	414.3324	414.3316	414.333	24.75283	24.71033
8858	M1959T10	1.394605	0.479857	0.712326	0.507832	0.864086	UP	1958.833	1958.826	1958.837	9.836408	9.787433
8859	M418T12	1.216154	-0.28233	-0.69421	0.50784	0.864086	DOWN	418.3061	418.3058	418.307	11.80096	11.77773
8860	M1317T45	1.072951	0.101584	0.700334	0.508	0.864086	UP	1316.925	1316.923	1316.925	44.71042	44.68167
8861	M421T11_	1.284393	0.361086	0.712614	0.508004	0.864086	UP	420.7981	420.7979	420.7985	10.80745	10.73323
8862	M681T26	1.516799	-0.60103	-0.71525	0.508008	0.864086	DOWN	680.5146	680.5145	680.5148	25.53625	25.337
8863	M229T11_	1.311741	-0.39148	-0.71028	0.508062	0.864086	DOWN	229.4605	229.4602	229.4606	10.88453	10.85018
8864	M209T9_2	1.351558	-0.43462	-0.69296	0.508118	0.864086	DOWN	208.6491	208.6491	208.6493	9.089333	9.04725
8865	M424T10_	1.105538	-0.14475	-0.69911	0.50814	0.864086	DOWN	424.2868	424.2867	424.287	10.2203	10.10142
8866	M824T32	1.321153	-0.4018	-0.69517	0.508155	0.864086	DOWN	823.6046	823.6044	823.605	32.01275	31.998
8867	M665T10_	1.147524	-0.19852	-0.69279	0.508158	0.864086	DOWN	665.3	665.2996	665.3002	10.42545	10.3828
8868	M504T28_	1.261671	-0.33534	-0.69432	0.508159	0.864086	DOWN	504.3879	504.3874	504.3881	28.37817	28.361
8869	M368T10_	1.75537	0.811775	0.722904	0.508214	0.864086	UP	368.2385	368.2383	368.2406	9.86545	9.67
8870	M684T10_	1.053468	-0.07515	-0.70573	0.508226	0.864086	DOWN	683.6393	683.6388	683.64	9.856808	9.73145
8871	M244T11_	1.133587	-0.18089	-0.69254	0.508293	0.864086	DOWN	243.6515	243.6514	243.6516	10.892	10.879
8872	M315T11_	1.120558	-0.16422	-0.6927	0.508363	0.864086	DOWN	315.38	315.3799	315.3809	10.90657	10.88747
8873	M365T19_	1.4515	0.537545	0.719959	0.508387	0.864086	UP	365.2197	365.2194	365.2201	19.11117	19.0965
8874	M204T10_	1.193396	0.255072	0.698092	0.508393	0.864086	UP	203.8568	203.8567	203.8569	9.830833	9.715683
8875	M842T10_	1.140377	-0.18951	-0.69486	0.508401	0.864086	DOWN	842.1141	842.1138	842.1147	9.934533	9.827283
8876	M239T9_3	1.501666	0.586564	0.708564	0.508402	0.864086	UP	239.0891	239.0889	239.0892	8.959983	8.94625
8877	M187T43	1.455271	0.541288	0.717966	0.508446	0.864086	UP	187.0962	187.0962	187.0962	42.7545	42.654
8878	M421T31_	1.255366	-0.32811	-0.70155	0.508516	0.864086	DOWN	421.3288	421.3284	421.3291	31.26283	31.2515
8879	M436T9_4	1.520502	-0.60455	-0.69444	0.508575	0.864086	DOWN	435.7323	435.73	435.7334	9.366333	9.278717
8880	M217T10_	1.122796	-0.1671	-0.70308	0.508629	0.864086	DOWN	216.9583	216.9583	216.9584	9.918792	9.811217
8881	M316T43_	1.286965	-0.36397	-0.69436	0.508669	0.864086	DOWN	316.1753	316.1751	316.1821	42.97017	42.92717
8882	M379T9_9	1.128261	-0.1741	-0.6957	0.508689	0.864086	DOWN	379.1744	379.1721	379.1773	9.277017	9.11405
8883	M410T10_	1.116401	0.158856	0.699212	0.508819	0.864086	UP	410.2337	410.2333	410.2338	9.964092	9.859233
8884	M258T10_	1.336342	-0.41829	-0.69364	0.508911	0.864086	DOWN	258.1555	258.1475	258.1557	9.801917	9.683817
8885	M492T9_5	1.377909	0.462481	0.700646	0.508974	0.864086	UP	492.3237	492.3232	492.3238	8.94275	8.936617
8886	M597T10_	1.136502	0.1846	0.702259	0.509018	0.864086	UP	596.8956	596.8952	596.8963	9.9351	9.827283
8887	M344T10_	1.435905	-0.52196	-0.69582	0.509238	0.864086	DOWN	343.909	343.9089	343.9094	9.870017	9.743767
8888	M271T11_	1.217174	-0.28354	-0.69149	0.509346	0.864086	DOWN	271.4708	271.4707	271.4708	10.92253	10.88995
8889	M498T9_1	1.751369	0.808483	0.717567	0.509356	0.864086	UP	498.3648	498.3634	498.3651	8.941383	8.544683

8890	M449T11_	1.271957	0.34705	0.713964	0.509371	0.864086	UP	449.2671	449.2609	449.2677	10.90343	10.879
8891	M253T11_	1.149775	-0.20135	-0.69157	0.509403	0.864086	DOWN	253.1689	253.1689	253.1689	10.90554	10.873
8892	M623T10_	1.202825	-0.26643	-0.69647	0.509427	0.864086	DOWN	622.8845	622.8837	622.886	9.804067	9.715683
8893	M210T10_	1.239576	-0.30985	-0.70052	0.509443	0.864086	DOWN	210.4303	210.429	210.437	9.8378	9.715683
8894	M314T11_	1.09067	-0.12521	-0.69739	0.509492	0.864086	DOWN	314.2199	314.2198	314.2201	11.48294	11.47298
8895	M416T9_1	1.562735	0.644073	0.718886	0.509496	0.864086	UP	416.4088	416.4076	416.4116	9.341333	9.2612
8896	M1641T10	1.116444	-0.15891	-0.69258	0.509513	0.864086	DOWN	1641.356	1641.355	1641.361	9.910075	9.811217
8897	M401T10_	1.162913	0.217743	0.690711	0.509535	0.864086	UP	400.8854	400.8853	400.8857	9.979892	9.859233
8898	M372T10_	1.274148	0.349532	0.709657	0.5096	0.864086	UP	372.0359	372.0343	372.0363	9.870017	9.758367
8899	M195T9_1	1.210967	-0.27616	-0.69095	0.509631	0.864086	DOWN	195.4048	195.404	195.4059	9.3114	9.25985
8900	M457T10_	1.096361	-0.13272	-0.69833	0.509644	0.864086	DOWN	456.6011	456.601	456.6016	9.542242	9.346
8901	M348T10_	1.156554	0.209833	0.705928	0.509715	0.864086	UP	348.3783	348.3781	348.3784	9.830658	9.715683
8902	M665T10_	1.205174	-0.26924	-0.69722	0.509863	0.864087	DOWN	665.2807	665.2802	665.2813	9.8207	9.715683
8903	M229T10_	1.105155	0.144249	0.693342	0.509899	0.864087	UP	229.2354	229.2352	229.2355	10.32456	10.26307
8904	M366T10_	1.236668	0.306458	0.697763	0.509985	0.864087	UP	365.8158	365.8015	365.8161	9.840617	9.715683
8905	M1107T10	1.147241	-0.19817	-0.70049	0.510084	0.864087	DOWN	1106.654	1106.653	1106.654	9.678733	9.541483
8906	M251T10_	1.25278	0.325133	0.71342	0.510116	0.864087	UP	251.4654	251.465	251.4712	9.983433	9.885167
8907	M385T10_	1.263938	0.337926	0.689104	0.510261	0.864087	UP	385.0582	385.058	385.0583	9.938042	9.811217
8908	M371T11_	1.112494	-0.1538	-0.689	0.510337	0.864087	DOWN	371.1311	371.131	371.1313	10.892	10.879
8909	M688T23	1.138055	-0.18657	-0.69927	0.510362	0.864087	DOWN	687.5083	687.5075	687.5085	22.53867	22.524
8910	M307T10_	1.1612	-0.21562	-0.71376	0.510371	0.864087	DOWN	307.4661	307.466	307.4665	9.908417	9.79535
8911	M364T11_	1.112407	-0.15369	-0.68993	0.510372	0.864087	DOWN	364.2776	364.2772	364.2781	10.89907	10.8646
8912	M678T11_	1.153121	-0.20554	-0.69026	0.510539	0.864087	DOWN	677.9778	677.977	677.9788	10.86683	10.8214
8913	M378T28	1.239654	0.309937	0.718856	0.510577	0.864087	UP	378.212	378.2118	378.2122	27.98167	27.76717
8914	M684T11_	1.153532	-0.20606	-0.69094	0.510585	0.864087	DOWN	683.9379	683.9375	683.9394	10.8926	10.8646
8915	M233T11_	1.102323	-0.14055	-0.68857	0.510789	0.864087	DOWN	233.0116	233.0115	233.0119	10.892	10.879
8916	M478T10_	1.184143	-0.24384	-0.68838	0.510859	0.864087	DOWN	477.5061	477.5058	477.5063	9.870017	9.665433
8917	M236T11_	1.216	-0.28214	-0.69036	0.510887	0.864087	DOWN	235.7584	235.7582	235.7585	10.93468	10.90197
8918	M168T10_	1.076709	-0.10663	-0.68816	0.511038	0.864087	DOWN	167.5946	167.5944	167.595	9.825767	9.7124
8919	M325T10_	1.326432	-0.40755	-0.68877	0.511074	0.864087	DOWN	324.5353	324.5351	324.5355	9.8207	9.699733
8920	M400T9_1	1.557269	-0.63902	-0.68797	0.511078	0.864087	DOWN	399.5931	399.5928	399.5942	9.2585	9.1503
8921	M331T10_	1.093924	-0.12951	-0.69585	0.511082	0.864087	DOWN	331.3957	331.3956	331.3958	9.8207	9.715683
8922	M284T10_	1.178383	-0.23681	-0.71826	0.511102	0.864087	DOWN	284.0729	284.0727	284.0731	9.960817	9.843367
8923	M656T10_	1.363151	0.446945	0.68901	0.511235	0.864087	UP	656.2047	656.2045	656.2049	9.818442	9.801833
8924	M368T11_	1.112525	-0.15384	-0.68739	0.51127	0.864087	DOWN	368.3556	368.3555	368.3558	10.892	10.879

8925	M345T45	1.599328	-0.67747	-0.69435	0.511292	0.864087	DOWN	345.1905	345.1904	345.1908	44.9475	44.696
8926	M315T11_	1.106398	-0.14587	-0.69116	0.511314	0.864087	DOWN	315.0044	315.004	315.0045	10.892	10.879
8927	M476T9_1	1.452525	0.538563	0.693603	0.511394	0.864087	UP	476.1761	476.1716	476.1833	9.268917	9.1175
8928	M522T10_	1.387597	-0.47259	-0.6871	0.511448	0.864087	DOWN	521.6286	521.6283	521.6294	9.9351	9.827283
8929	M759T10_	1.274828	-0.3503	-0.68714	0.511459	0.864087	DOWN	758.7186	758.7182	758.7189	9.931108	9.903017
8930	M371T11_	1.188753	-0.24945	-0.68746	0.51156	0.864087	DOWN	371.3058	371.3056	371.306	10.95925	10.90785
8931	M1200T10	1.252409	0.324706	0.69705	0.511574	0.864087	UP	1200.027	1200.026	1200.029	9.98155	9.8753
8932	M447T10_	1.143466	0.193414	0.686814	0.511651	0.864087	UP	447.2832	447.283	447.2836	10.47553	10.45607
8933	M999T10_	1.23368	0.302969	0.702487	0.511686	0.864087	UP	999.2615	999.2604	999.2624	9.979325	9.8753
8934	M465T23_	1.266204	-0.34051	-0.68666	0.511706	0.864087	DOWN	465.0811	465.0808	465.0813	22.6985	22.63967
8935	M1830T10	1.139049	0.18783	0.688398	0.511738	0.864087	UP	1829.893	1829.89	1829.895	9.8374	9.728083
8936	M947T10_	1.228969	-0.29745	-0.69525	0.51175	0.864087	DOWN	947.4138	947.4132	947.4142	9.8207	9.715683
8937	M626T9_1	1.329933	-0.41135	-0.68724	0.511767	0.864087	DOWN	625.5579	625.5571	625.5582	9.275917	9.234417
8938	M748T10_	1.467094	-0.55296	-0.68826	0.511771	0.864087	DOWN	747.5703	747.5678	747.5707	9.839008	9.715683
8939	M283T10_	1.059832	0.083835	0.708164	0.511906	0.864087	UP	282.6472	282.6471	282.6473	9.841442	9.73145
8940	M365T10_	1.048903	-0.06888	-0.68633	0.511967	0.864087	DOWN	365.0628	365.0627	365.0631	9.816183	9.715683
8941	M534T39_	1.134215	-0.18169	-0.71338	0.511969	0.864087	DOWN	534.327	534.3267	534.3271	39.25533	39.1725
8942	M517T9_4	1.2903	0.367706	0.705341	0.512084	0.864087	UP	517.269	517.2684	517.2693	9.214783	9.129317
8943	M561T10_	1.159507	-0.21351	-0.69179	0.512122	0.864087	DOWN	560.5779	560.5774	560.5787	9.939575	9.827283
8944	M270T10_	1.128846	0.174849	0.686176	0.512133	0.864087	UP	269.7553	269.7551	269.7555	9.82645	9.715683
8945	M299T31_	1.030439	0.043259	0.702937	0.512133	0.864087	UP	299.2579	299.2577	299.258	31.24825	31.225
8946	M217T11	1.378798	0.463411	0.694311	0.512282	0.864087	UP	217.4294	217.4293	217.4297	10.88936	10.8646
8947	M275T11_	1.128522	-0.17443	-0.68613	0.512345	0.864087	DOWN	275.4101	275.4099	275.4101	10.8926	10.8646
8948	M657T10_	1.472315	-0.55809	-0.68856	0.512358	0.864087	DOWN	657.1564	657.1558	657.1584	9.856867	9.758367
8949	M468T9_2	1.225739	-0.29365	-0.69079	0.512381	0.864087	DOWN	468.2664	468.2663	468.2665	8.950592	8.90275
8950	M265T11_	1.488897	0.574244	0.689196	0.512417	0.864087	UP	264.6027	264.6025	264.6028	10.91813	10.82972
8951	M561T10_	1.165304	-0.22071	-0.69821	0.512499	0.864087	DOWN	560.5605	560.5604	560.561	9.523633	9.416817
8952	M1952T10	1.180486	-0.23938	-0.69569	0.512519	0.864087	DOWN	1952.392	1952.391	1952.4	9.810767	9.728083
8953	M592T11_	1.134253	0.181742	0.694492	0.512544	0.864087	UP	591.9677	591.9673	591.9681	10.93208	10.873
8954	M352T9_2	1.305822	0.384958	0.692173	0.512544	0.864087	UP	351.9119	351.9117	351.912	8.742358	8.623117
8955	M405T11_	1.180292	-0.23914	-0.68516	0.512612	0.864087	DOWN	404.7849	404.7848	404.7856	10.90775	10.90197
8956	M809T10_	1.256977	0.329958	0.685374	0.512721	0.864087	UP	809.4652	809.4649	809.4661	9.951283	9.843367
8957	M401T11_	1.462179	0.54812	0.708043	0.512734	0.864087	UP	401.2403	401.2328	401.246	10.93618	10.81958
8958	M172T10_	1.217844	0.28433	0.687256	0.512816	0.864087	UP	171.8227	171.8226	171.8229	9.830558	9.715683
8959	M532T36	1.215045	0.28101	0.704043	0.512964	0.864087	UP	532.3114	532.3111	532.3117	36.39808	36.02667



8960	M307T10_	1.945399	0.960066	0.684386	0.513092	0.864088	UP	307.2457	307.2377	307.2463	10.3838	10.3246
8961	M359T11_	1.249127	-0.32092	-0.68598	0.513101	0.864088	DOWN	358.9044	358.9034	358.9056	10.94208	10.8926
8962	M390T11_	1.301671	0.380365	0.698619	0.513116	0.864088	UP	390.2544	390.2543	390.2546	11.1244	11.1008
8963	M371T10_	1.141145	-0.19048	-0.68727	0.513136	0.864088	DOWN	371.0288	371.0285	371.029	9.964092	9.859233
8964	M342T10_	1.050564	-0.07116	-0.71606	0.513145	0.864088	DOWN	341.721	341.7208	341.7212	9.960417	9.8753
8965	M177T9_9	2.11928	1.083574	0.710821	0.513171	0.864088	UP	177.3532	177.3528	177.3537	9.365833	9.18975
8966	M534T42_	1.167564	0.223501	0.685368	0.513263	0.864088	UP	534.2906	534.2905	534.2907	42.49567	42.28
8967	M534T10_	1.255835	0.328647	0.691541	0.513264	0.864088	UP	533.5172	533.5164	533.5177	9.946467	9.859233
8968	M750T10_	1.168999	0.225274	0.697469	0.51338	0.864088	UP	750.4705	750.4616	750.4715	9.946367	9.859233
8969	M470T13	1.168602	-0.22478	-0.68425	0.513417	0.864088	DOWN	470.3496	470.3488	470.3505	12.66003	12.63188
8970	M508T37_	1.108161	0.148168	0.690128	0.513564	0.864088	UP	508.3111	508.3107	508.3113	36.54033	36.49617
8971	M661T10_	1.157321	-0.21079	-0.68758	0.513596	0.864088	DOWN	660.7716	660.771	660.7732	9.958617	9.843367
8972	M526T10_	1.162873	-0.21769	-0.69472	0.513617	0.864088	DOWN	525.7891	525.7884	525.7894	9.948875	9.843367
8973	M514T10_	1.177621	0.235876	0.69226	0.513662	0.864088	UP	514.4466	514.446	514.447	9.983467	9.8753
8974	M501T9_3	1.812323	0.85784	0.71481	0.51367	0.864088	UP	500.9569	500.9566	500.9574	9.146533	9.0637
8975	M239T10_	1.444619	0.530689	0.690412	0.513721	0.864088	UP	238.7747	238.7744	238.7748	9.967367	9.859233
8976	M1413T10	1.247274	0.318779	0.702646	0.513782	0.864088	UP	1413.112	1413.106	1413.114	9.960817	9.885167
8977	M287T9_2	1.302772	-0.38158	-0.6831	0.513836	0.864088	DOWN	287.2452	287.2441	287.2462	9.295333	9.132267
8978	M559T10_	1.331859	0.413441	0.707235	0.513882	0.864088	UP	559.245	559.2443	559.246	9.918792	9.827283
8979	M399T10_	1.216511	0.28275	0.703666	0.514009	0.864088	UP	398.9507	398.9502	398.9514	9.924308	9.811217
8980	M502T9_1	1.208205	0.272866	0.697896	0.514017	0.864088	UP	501.54	501.5388	501.5402	9.153917	9.110833
8981	M696T10_	1.110786	-0.15158	-0.68315	0.514029	0.864088	DOWN	695.5065	695.5062	695.5068	9.637333	9.52595
8982	M548T10_	1.077442	-0.10761	-0.69455	0.514237	0.864088	DOWN	547.5965	547.5963	547.5966	9.959533	9.843367
8983	M655T25	1.429602	-0.51561	-0.69777	0.514245	0.864088	DOWN	655.442	655.4416	655.4427	25.27983	25.257
8984	M422T20	1.224988	0.292768	0.691027	0.51429	0.864088	UP	422.3473	422.347	422.3475	20.20858	20.187
8985	M473T11_	1.368768	0.452878	0.702585	0.514298	0.864088	UP	473.0946	473.091	473.0953	10.93208	10.92225
8986	M394T34_	1.238684	-0.30881	-0.68436	0.514322	0.864088	DOWN	394.3676	394.3674	394.3681	34.46717	34.43567
8987	M231T14	1.267502	-0.34199	-0.70343	0.514352	0.864088	DOWN	231.1411	231.1409	231.1412	13.69715	13.68272
8988	M662T9_3	1.144748	-0.19503	-0.68921	0.514352	0.864088	DOWN	662.2838	662.2837	662.2856	9.464933	9.370583
8989	M288T10_	1.052397	-0.07368	-0.70629	0.514564	0.864088	DOWN	288.2553	288.2551	288.2556	9.964092	9.859233
8990	M235T10_	1.130471	0.176924	0.701224	0.514571	0.864088	UP	235.2743	235.2738	235.2802	9.946642	9.8753
8991	M406T43_	1.249935	0.321853	0.683741	0.514588	0.864088	UP	406.2068	406.2068	406.2071	43.215	42.9845
8992	M697T10_	1.148458	-0.1997	-0.68346	0.514636	0.864088	DOWN	696.5099	696.5096	696.5103	9.629008	9.52595
8993	M555T10_	1.247365	0.318884	0.685339	0.514643	0.864088	UP	554.793	554.7823	554.7935	9.939825	9.843367
8994	M365T19_	1.100784	-0.13853	-0.68869	0.514827	0.864088	DOWN	364.5833	364.5829	364.5835	18.59967	18.5235

8995	M210T11_	1.116161	-0.15855	-0.68146	0.514848	0.864088	DOWN	209.7696	209.7695	209.7697	10.892	10.879
8996	M407T10_	1.183654	-0.24325	-0.68139	0.514881	0.864088	DOWN	407.1369	407.1366	407.1372	9.8207	9.699733
8997	M176T10_	1.138728	-0.18742	-0.68626	0.514896	0.864088	DOWN	175.9441	175.9439	175.9444	9.827258	9.715683
8998	M568T9_1	1.170338	-0.22693	-0.682	0.514921	0.864088	DOWN	567.8657	567.8652	567.8668	8.85435	8.802417
8999	M348T10_	1.096396	-0.13277	-0.68607	0.515018	0.864088	DOWN	347.7688	347.7687	347.7688	10.1384	10.03658
9000	M623T10_	1.29431	0.372183	0.693668	0.515027	0.864088	UP	622.9654	622.9641	622.9691	9.8207	9.7124
9001	M277T10_	1.088135	-0.12186	-0.68259	0.515043	0.864088	DOWN	277.2824	277.2821	277.2828	9.94785	9.843367
9002	M201T10_	1.054823	-0.077	-0.68197	0.515119	0.864088	DOWN	200.6965	200.6964	200.6968	9.858408	9.747533
9003	M701T10_	1.520664	0.604701	0.681929	0.51516	0.864088	UP	700.5344	700.5337	700.5404	9.844033	9.73145
9004	M362T10_	1.128542	0.17446	0.695671	0.515188	0.864088	UP	362.3004	362.3002	362.3006	9.816175	9.699733
9005	M405T11_	1.18235	-0.24166	-0.68132	0.515224	0.864088	DOWN	405.2225	405.2167	405.2248	10.9331	10.879
9006	M406T40_	1.223479	-0.29099	-0.68306	0.515313	0.864088	DOWN	406.2069	406.2068	406.2071	40.46717	40.3955
9007	M257T10_	1.472569	0.558335	0.684878	0.515335	0.864088	UP	256.6152	256.6149	256.6153	9.918492	9.8378
9008	M289T10_	1.205721	-0.2699	-0.6806	0.515345	0.864088	DOWN	289.4528	289.4525	289.4528	9.994767	9.9847
9009	M336T11_	1.222979	0.2904	0.691428	0.515359	0.864088	UP	336.0726	336.0721	336.0736	10.89907	10.879
9010	M480T10_	1.139071	-0.18786	-0.69767	0.515373	0.864088	DOWN	479.6621	479.662	479.6638	9.871475	9.77355
9011	M723T10_	1.80239	0.849911	0.704177	0.515393	0.864088	UP	723.3542	723.3539	723.3553	9.843742	9.715683
9012	M327T9_3	2.286174	1.192935	0.694874	0.515535	0.864088	UP	326.8736	326.8733	326.8742	9.394517	9.275917
9013	M510T18	1.197345	-0.25984	-0.68707	0.515544	0.864088	DOWN	510.3415	510.3409	510.3417	18.423	18.39217
9014	M683T10_	1.176115	-0.23403	-0.6836	0.515612	0.864088	DOWN	683.0722	683.0719	683.0725	9.8207	9.747533
9015	M240T13	1.319186	0.399648	0.694478	0.515689	0.864088	UP	240.1742	240.1739	240.1746	13.17268	13.15652
9016	M1467T11	1.212938	0.278506	0.697486	0.515852	0.864088	UP	1467.064	1467.063	1467.065	10.87823	10.82935
9017	M436T9_1	1.396947	0.482277	0.705487	0.515891	0.864088	UP	435.5363	435.5344	435.5379	9.365833	9.061
9018	M359T23	1.1468	0.197614	0.685642	0.515956	0.864088	UP	359.3267	359.3263	359.3269	23.45083	23.42883
9019	M825T10_	1.191533	0.252818	0.690168	0.515985	0.864088	UP	824.5574	824.5567	824.5582	9.972483	9.859233
9020	M350T41	1.266565	0.340921	0.696421	0.516134	0.864088	UP	350.2171	350.217	350.2174	40.942	40.63983
9021	M634T34	1.632608	0.707179	0.706794	0.516172	0.864088	UP	634.4525	634.4521	634.4528	34.47208	34.43517
9022	M561T10_	1.134335	-0.18185	-0.6829	0.516188	0.864088	DOWN	561.205	561.2046	561.2057	9.930908	9.827283
9023	M736T9_3	1.113391	-0.15496	-0.68066	0.516197	0.864088	DOWN	736.4322	736.4311	736.433	9.438833	9.370583
9024	M349T9_4	1.440138	0.526207	0.681014	0.516201	0.864088	UP	348.645	348.6343	348.6465	9.259033	9.1445
9025	M305T9_4	1.252035	0.324275	0.690557	0.516267	0.864088	UP	305.1551	305.1469	305.1561	9.106183	8.8978
9026	M730T10_	1.379051	0.463676	0.704367	0.516286	0.864088	UP	730.2474	730.2467	730.2478	9.968992	9.859233
9027	M764T10_	1.211617	-0.27693	-0.68655	0.516323	0.864088	DOWN	764.4815	764.4809	764.4827	10.30778	10.19852
9028	M805T10_	1.149149	-0.20057	-0.68326	0.516376	0.864089	DOWN	804.9904	804.9895	804.9918	10.2852	10.21468
9029	M177T9_8	1.268836	-0.34351	-0.69931	0.516461	0.864089	DOWN	177.3368	177.3364	177.3371	9.175017	9.11405

9030	M923T11_	1.168681	-0.22488	-0.67889	0.516525	0.864089	DOWN	923.3247	923.3229	923.325	10.90659	10.8646
9031	M318T11_	1.24957	0.321431	0.690271	0.516623	0.864089	UP	317.7999	317.7994	317.8002	10.86994	10.8214
9032	M885T10_	1.074651	-0.10387	-0.67973	0.516634	0.864089	DOWN	884.564	884.5629	884.5644	9.924308	9.811217
9033	M392T10_	1.719208	0.781745	0.681521	0.516648	0.864089	UP	391.7623	391.76	391.7722	9.58735	9.43325
9034	M497T9_2	1.310617	-0.39025	-0.68089	0.516654	0.864089	DOWN	496.6393	496.6366	496.6452	9.375425	9.129317
9035	M440T9_2	1.232916	0.302075	0.697075	0.51674	0.864089	UP	440.0593	440.0591	440.0596	9.227708	9.11405
9036	M409T10_	1.10871	0.148882	0.685347	0.516765	0.864089	UP	409.2303	409.2299	409.2304	9.964092	9.859233
9037	M516T9_2	1.224162	-0.29179	-0.70709	0.516841	0.864089	DOWN	516.2688	516.2685	516.269	9.388367	9.277967
9038	M238T10_	1.261006	0.334576	0.679154	0.516882	0.864089	UP	238.316	238.3158	238.3162	9.951283	9.942317
9039	M258T11_	1.111326	-0.15228	-0.68358	0.516883	0.864089	DOWN	257.7565	257.7562	257.7566	10.892	10.8646
9040	M394T10_	1.137889	-0.18636	-0.67944	0.516906	0.864089	DOWN	393.8328	393.8326	393.833	9.960817	9.843367
9041	M258T27	1.302071	-0.38081	-0.69949	0.516987	0.864089	DOWN	258.2424	258.2422	258.2425	26.5495	26.53717
9042	M364T10_	1.243701	0.314639	0.701545	0.516988	0.864089	UP	363.8651	363.865	363.8652	9.811267	9.699733
9043	M414T9_1	1.22327	-0.29074	-0.68511	0.516989	0.864089	DOWN	414.282	414.2814	414.2959	9.25985	9.1445
9044	M615T9_5	1.287069	0.364089	0.687364	0.517014	0.864089	UP	615.0971	615.0952	615.0979	9.288325	9.219483
9045	M653T28_	1.27566	-0.35124	-0.67871	0.517064	0.864089	DOWN	653.4689	653.4687	653.4692	28.40333	28.39167
9046	M1356T10	1.198455	-0.26118	-0.67746	0.517221	0.864089	DOWN	1356.193	1356.192	1356.194	9.821308	9.699733
9047	M224T9_1	1.138735	-0.18743	-0.68068	0.517247	0.864089	DOWN	223.822	223.8218	223.8221	8.952283	8.715883
9048	M692T9	1.238597	-0.30871	-0.68799	0.517266	0.864089	DOWN	691.6598	691.6545	691.6686	9.39965	9.18195
9049	M211T14	1.144194	-0.19433	-0.67927	0.517304	0.864089	DOWN	211.1801	211.18	211.1803	14.08495	14.01972
9050	M152T11_	1.201874	-0.26529	-0.68244	0.517383	0.864089	DOWN	151.5313	151.5312	151.5313	10.9049	10.88747
9051	M1476T10	1.626871	0.7021	0.704946	0.51748	0.864089	UP	1476.377	1476.375	1476.38	9.933967	9.853533
9052	M173T10_	1.191792	0.253133	0.693795	0.517503	0.864089	UP	173.1074	173.1073	173.1075	9.816167	9.715683
9053	M1631T10	1.204053	0.267899	0.692369	0.517523	0.864089	UP	1630.956	1630.953	1630.961	9.930333	9.822117
9054	M641T34	1.157876	-0.21148	-0.67689	0.517569	0.864089	DOWN	641.4464	641.4461	641.4474	33.52825	33.48483
9055	M504T26	1.22804	0.296358	0.677873	0.517612	0.864089	UP	504.3007	504.299	504.3011	26.39017	26.32467
9056	M203T10_	1.188409	-0.24903	-0.68517	0.517627	0.864089	DOWN	203.3935	203.3934	203.4012	9.8397	9.73145
9057	M1156T10	1.184243	-0.24397	-0.67694	0.517636	0.864089	DOWN	1155.637	1155.636	1155.64	9.695933	9.602967
9058	M168T10_	1.339581	0.421782	0.680859	0.517726	0.864089	UP	168.0622	168.0621	168.0623	9.967367	9.859233
9059	M389T10_	1.109294	-0.14964	-0.69017	0.517834	0.864089	DOWN	388.8629	388.8627	388.863	9.932033	9.827283
9060	M508T38_	1.15125	-0.2032	-0.68541	0.517859	0.864089	DOWN	508.311	508.3107	508.3115	38.4745	38.007
9061	M260T9_4	1.248508	-0.3202	-0.67874	0.518047	0.864089	DOWN	259.6851	259.685	259.6855	8.767783	8.715883
9062	M370T9_1	2.036993	1.026441	0.704281	0.518106	0.864089	UP	370.4617	370.4613	370.4619	9.442567	9.355317
9063	M643T21_	1.306845	0.386088	0.67658	0.518117	0.864089	UP	643.2569	643.2566	643.2573	20.59283	20.57683
9064	M418T44	1.110455	0.151151	0.690134	0.518341	0.864089	UP	418.2795	418.2795	418.2797	44.05308	43.86217

9065	M270T10_	1.341984	0.424368	0.690216	0.518383	0.864089	UP	270.0058	270.0057	270.006	9.837433	9.699733
9066	M1661T10	1.190642	-0.25174	-0.67697	0.518529	0.864089	DOWN	1660.527	1660.522	1660.53	9.772092	9.73145
9067	M378T24_	1.155497	0.208513	0.676707	0.518611	0.864089	UP	378.212	378.2118	378.2121	23.842	23.7015
9068	M459T9_3	1.275344	0.350886	0.67645	0.518648	0.864089	UP	459.1143	459.1137	459.1161	9.340183	9.092333
9069	M173T9_1	1.656765	0.728369	0.698592	0.518651	0.864089	UP	172.7449	172.7445	172.7455	9.146383	9.09495
9070	M592T40_	1.163323	0.218252	0.702478	0.518651	0.864089	UP	592.3326	592.3324	592.3328	40.22283	40.10767
9071	M808T20	1.134284	-0.18178	-0.67627	0.518664	0.864089	DOWN	807.5976	807.5971	807.5982	20.25933	20.23017
9072	M330T9_5	1.410009	-0.4957	-0.68452	0.518714	0.864089	DOWN	329.7316	329.7315	329.7316	9.296458	9.24215
9073	M1490T10	1.159746	-0.21381	-0.67497	0.518779	0.864089	DOWN	1489.861	1489.857	1489.863	9.901433	9.7634
9074	M430T38	1.390014	-0.4751	-0.67711	0.518788	0.864089	DOWN	430.3888	430.3887	430.3895	37.892	37.82
9075	M260T11_	1.112469	-0.15376	-0.67489	0.518809	0.864089	DOWN	259.7222	259.7221	259.7223	10.892	10.879
9076	M712T10_	1.31229	0.392086	0.696185	0.518811	0.864089	UP	711.5017	711.5012	711.5022	9.631542	9.478833
9077	M355T20_	1.149183	-0.20061	-0.68828	0.518838	0.864089	DOWN	355.2377	355.2376	355.2379	20.38958	20.3895
9078	M461T10_	1.131213	0.177871	0.677971	0.518989	0.864089	UP	460.8366	460.836	460.8376	9.970617	9.859233
9079	M574T10_	1.175578	-0.23337	-0.68971	0.518992	0.864089	DOWN	573.8167	573.8165	573.817	9.929783	9.843367
9080	M458T10_	1.106687	-0.14625	-0.68685	0.519063	0.864089	DOWN	457.5554	457.5549	457.5555	9.968992	9.859233
9081	M1036T32	1.474225	-0.55996	-0.67493	0.519076	0.864089	DOWN	1035.765	1035.764	1035.765	31.78183	31.75333
9082	M362T10_	1.477509	0.563166	0.69712	0.519196	0.864089	UP	361.7193	361.7192	361.7194	9.956867	9.859233
9083	M360T11_	1.207133	0.271585	0.693865	0.519217	0.864089	UP	359.7403	359.74	359.7406	10.91813	10.8646
9084	M335T10_	1.156612	-0.20991	-0.69396	0.519253	0.864089	DOWN	335.3955	335.3953	335.3962	9.816258	9.743667
9085	M455T10_	1.209933	-0.27493	-0.68537	0.519301	0.864089	DOWN	454.9845	454.9842	454.9846	9.830283	9.699733
9086	M750T10_	1.248838	0.320586	0.673909	0.519368	0.864089	UP	750.4161	750.4155	750.4167	9.946467	9.843367
9087	M233T11_	1.730849	0.79148	0.673882	0.519394	0.864089	UP	232.9774	232.9772	232.9778	10.93208	10.90197
9088	M297T15	1.339107	-0.42127	-0.67385	0.519402	0.864089	DOWN	297.1845	297.1841	297.1846	15.4096	15.3689
9089	M496T9_9	1.169267	-0.2256	-0.67748	0.519557	0.864089	DOWN	496.2487	496.2484	496.2488	9.268917	9.129317
9090	M493T16	1.127195	-0.17274	-0.67421	0.519569	0.864089	DOWN	493.3823	493.3821	493.3825	15.5886	15.57742
9091	M566T11_	1.173465	-0.23077	-0.67943	0.519578	0.864089	DOWN	566.0141	566.0138	566.0142	10.75735	10.69123
9092	M448T22	1.444951	0.531021	0.677037	0.519711	0.86409	UP	448.3188	448.3188	448.3196	21.65667	21.63
9093	M213T9_1	1.495102	0.580244	0.683698	0.51983	0.86409	UP	213.1776	213.1774	213.1836	9.220933	9.106183
9094	M209T10_	1.205206	-0.26928	-0.67347	0.519921	0.86409	DOWN	208.7321	208.7276	208.7324	9.924383	9.8378
9095	M299T11_	1.236778	-0.30659	-0.68592	0.520049	0.86409	DOWN	299.2099	299.2096	299.2103	11.49742	11.47298
9096	M249T10_	1.186919	-0.24722	-0.69345	0.520069	0.86409	DOWN	249.4842	249.4839	249.4844	9.967367	9.859233
9097	M586T33	1.370901	0.455125	0.673413	0.520089	0.86409	UP	586.4521	586.451	586.4528	33.12367	33.1095
9098	M503T26	1.306863	0.386108	0.689441	0.520111	0.86409	UP	503.2974	503.297	503.2975	26.37767	26.32467
9099	M247T15	1.902954	0.92824	0.689219	0.520195	0.86409	UP	247.2458	247.2456	247.2459	14.97784	14.95502

9100	M453T9_1	1.381802	-0.46655	-0.67761	0.520374	0.86409	DOWN	453.4108	453.4101	453.4205	9.219483	9.166033
9101	M251T13	1.46031	0.546275	0.694097	0.520417	0.86409	UP	251.1615	251.1612	251.1617	12.6314	12.61627
9102	M698T10_	1.16343	0.218385	0.692381	0.520428	0.86409	UP	698.4664	698.4659	698.467	10.24368	10.18238
9103	M554T9_7	1.603714	0.681417	0.701946	0.520553	0.86409	UP	554.3034	554.3	554.3039	9.160617	9.12675
9104	M677T10_	1.177584	-0.23583	-0.69864	0.520595	0.86409	DOWN	676.9694	676.9681	676.9701	9.828367	9.7124
9105	M358T11_	1.089977	-0.1243	-0.6734	0.520622	0.86409	DOWN	358.0574	358.0571	358.0581	10.90551	10.88995
9106	M229T11_	1.112952	-0.15439	-0.67196	0.520627	0.86409	DOWN	228.5893	228.5892	228.5894	10.892	10.879
9107	M661T10_	1.141227	0.190586	0.671818	0.520668	0.86409	UP	661.3328	661.3324	661.3341	9.825392	9.699733
9108	M1008T28	1.242573	-0.31333	-0.67177	0.520737	0.86409	DOWN	1007.771	1007.77	1007.771	28.38292	28.362
9109	M336T28	1.231909	-0.3009	-0.67165	0.520782	0.86409	DOWN	336.26	336.2597	336.2601	28.40375	28.37683
9110	M575T15	1.247871	-0.31947	-0.68451	0.520824	0.86409	DOWN	575.3588	575.3585	575.359	14.83917	14.82427
9111	M287T26	1.174666	-0.23225	-0.67659	0.520864	0.86409	DOWN	287.2771	287.2768	287.2773	26.10367	26.08883
9112	M284T23	1.128672	0.174626	0.683723	0.520891	0.86409	UP	284.1164	284.1163	284.1168	23.38233	23.30817
9113	M472T10_	1.1674	-0.2233	-0.67238	0.521081	0.86409	DOWN	472.242	472.2413	472.2423	9.95385	9.843367
9114	M161T25	1.143069	-0.19291	-0.67304	0.521134	0.86409	DOWN	161.0594	161.0592	161.0595	25.41733	25.39
9115	M167T9_7	1.735539	0.795384	0.697375	0.521144	0.86409	UP	167.4261	167.4261	167.4265	9.1428	9.133667
9116	M498T11_	1.414129	0.499913	0.683597	0.521148	0.86409	UP	498.3669	498.3661	498.3673	10.9198	10.8214
9117	M213T9_1	1.387658	0.472652	0.670699	0.52131	0.86409	UP	213.4617	213.461	213.4676	9.424233	9.132267
9118	M508T37_	1.113387	-0.15496	-0.6705	0.5215	0.86409	DOWN	508.3111	508.3109	508.3113	37.22217	37.08683
9119	M252T11_	1.100057	-0.13758	-0.67092	0.521522	0.86409	DOWN	251.8896	251.8894	251.8897	10.892	10.879
9120	M1011T23	1.14697	-0.19783	-0.67667	0.521588	0.86409	DOWN	1010.684	1010.683	1010.685	22.59067	22.56833
9121	M211T11_	1.115101	-0.15717	-0.67021	0.521616	0.86409	DOWN	210.5288	210.5288	210.5289	10.892	10.879
9122	M1095T10	1.211113	0.276334	0.696876	0.521645	0.86409	UP	1094.709	1094.709	1094.71	9.857833	9.747533
9123	M630T11_	1.118235	-0.16122	-0.67535	0.52168	0.86409	DOWN	630.4421	630.4415	630.4427	11.49197	11.47593
9124	M650T9_2	1.384086	0.468933	0.693011	0.521688	0.86409	UP	649.7874	649.7786	649.7882	9.16125	9.111033
9125	M284T10_	1.303058	0.381901	0.693623	0.52176	0.86409	UP	283.9854	283.9852	283.9973	9.932	9.843367
9126	M905T9	1.305454	-0.38455	-0.67339	0.521803	0.86409	DOWN	904.5526	904.5514	904.553	8.909325	8.788667
9127	M446T42_	1.094935	-0.13085	-0.6828	0.521806	0.86409	DOWN	446.2745	446.2744	446.2747	41.81933	41.73333
9128	M813T10_	1.297182	-0.37538	-0.66978	0.521907	0.86409	DOWN	813.391	813.3907	813.3918	9.896717	9.859667
9129	M390T9_4	1.094141	-0.1298	-0.67041	0.521961	0.86409	DOWN	389.9229	389.9221	389.9231	8.993033	8.89395
9130	M249T10_	1.612055	-0.6889	-0.69209	0.521964	0.86409	DOWN	249.2615	249.2613	249.2618	9.961333	9.8914
9131	M286T10_	1.242967	0.313788	0.672631	0.52197	0.86409	UP	286.0499	286.0496	286.0501	9.926125	9.827283
9132	M805T10_	1.194761	0.256723	0.6757	0.521978	0.86409	UP	805.349	805.3486	805.3495	9.969158	9.859233
9133	M638T11_	1.125201	-0.17018	-0.66965	0.521979	0.86409	DOWN	638.1705	638.1701	638.1717	10.892	10.8646
9134	M360T9_9	1.203252	-0.26694	-0.67046	0.52199	0.86409	DOWN	360.2553	360.2552	360.2555	9.314442	9.24215

9135	M353T10_	1.265141	0.339298	0.698636	0.521995	0.86409	UP	353.3521	353.3519	353.3523	9.8207	9.699733
9136	M178T9_7	1.338705	-0.42084	-0.66976	0.522001	0.86409	DOWN	178.0205	178.0203	178.0208	9.195075	9.1428
9137	M340T35	1.082026	-0.11374	-0.66997	0.522034	0.86409	DOWN	340.2925	340.2924	340.2926	35.40117	35.38733
9138	M338T11_	1.181871	0.241073	0.681869	0.522061	0.86409	UP	337.9255	337.9254	337.9258	10.89875	10.873
9139	M666T31	1.228908	-0.29738	-0.68062	0.5222	0.86409	DOWN	666.4692	666.4686	666.4699	31.36467	31.34883
9140	M245T10_	1.258803	0.332052	0.681711	0.522295	0.86409	UP	244.5796	244.5793	244.5797	9.970617	9.859233
9141	M450T11_	1.17216	0.22917	0.677772	0.522312	0.86409	UP	450.3645	450.3639	450.3648	10.9049	10.8646
9142	M382T9_1	1.441904	-0.52797	-0.67234	0.522348	0.86409	DOWN	382.2016	382.2009	382.2051	9.297725	9.249433
9143	M377T10_	1.104927	0.143952	0.684876	0.522363	0.86409	UP	377.1771	377.1768	377.1773	9.902617	9.79535
9144	M420T11_	1.204423	-0.26834	-0.67852	0.522404	0.86409	DOWN	419.6557	419.655	419.6559	10.90551	10.88995
9145	M241T17	1.109669	0.150129	0.668766	0.522472	0.86409	UP	241.1795	241.1794	241.1796	17.33667	17.31917
9146	M350T10_	1.420288	-0.50618	-0.69616	0.522516	0.86409	DOWN	349.8531	349.853	349.8538	9.82645	9.699733
9147	M888T10_	1.087143	-0.12054	-0.66984	0.522519	0.86409	DOWN	887.7555	887.7544	887.7563	9.930908	9.827283
9148	M345T9_2	1.130191	-0.17657	-0.68719	0.522557	0.86409	DOWN	344.5732	344.5729	344.5733	9.314442	9.234417
9149	M616T10_	1.239225	0.309438	0.69127	0.52264	0.86409	UP	615.8293	615.8282	615.8295	9.930908	9.811217
9150	M353T11_	1.092749	-0.12796	-0.66845	0.522688	0.86409	DOWN	353.0365	353.0364	353.0371	10.892	10.879
9151	M662T23	1.138606	-0.18727	-0.67147	0.522748	0.86409	DOWN	662.4843	662.4839	662.4852	23.1105	23.045
9152	M1733T11	1.123203	-0.16762	-0.66826	0.522778	0.86409	DOWN	1732.64	1732.638	1732.643	10.892	10.8646
9153	M806T10_	1.228404	0.296785	0.693847	0.522883	0.86409	UP	806.356	806.3552	806.3568	9.930908	9.827283
9154	M1052T9_	1.341521	0.42387	0.683609	0.522894	0.86409	UP	1051.717	1051.716	1051.718	8.680933	8.60815
9155	M1831T10	1.079755	0.110705	0.683283	0.522914	0.86409	UP	1831.427	1831.426	1831.434	9.843017	9.73145
9156	M595T11_	1.099386	-0.1367	-0.66926	0.522922	0.86409	DOWN	595.1943	595.1937	595.1962	10.892	10.8646
9157	M449T11_	1.205007	0.269041	0.68101	0.523	0.864091	UP	449.2249	449.2247	449.2255	10.89193	10.8646
9158	M301T10_	1.141813	-0.19133	-0.68622	0.523239	0.864091	DOWN	301.4788	301.4785	301.4789	9.942317	9.903017
9159	M480T10_	1.241088	-0.31161	-0.68082	0.523253	0.864091	DOWN	480.3026	480.3017	480.3028	10.14972	10.10718
9160	M384T12	1.162443	0.21716	0.668621	0.523275	0.864091	UP	384.2742	384.2739	384.2859	12.28836	12.23685
9161	M561T10_	1.151401	-0.20339	-0.66989	0.523305	0.864091	DOWN	560.8102	560.8094	560.8112	9.962617	9.859233
9162	M465T10_	1.120141	0.16368	0.667382	0.523331	0.864091	UP	464.7025	464.6998	464.7028	9.872883	9.56645
9163	M223T10_	1.04943	0.069606	0.689457	0.523425	0.864091	UP	223.0826	223.0825	223.0829	9.85525	9.73145
9164	M750T10_	1.356675	0.440075	0.684077	0.523507	0.864091	UP	749.9935	749.992	749.9948	9.8207	9.715683
9165	M473T9_1	1.711435	0.775206	0.688142	0.523687	0.864091	UP	473.3606	473.3599	473.3608	8.941217	8.610133
9166	M742T11	1.171291	-0.2281	-0.66916	0.523777	0.864091	DOWN	741.6119	741.6111	741.6129	10.85333	10.83417
9167	M829T10_	1.083098	-0.11516	-0.67373	0.523833	0.864091	DOWN	829.4406	829.4404	829.4412	9.6129	9.510117
9168	M584T9_4	1.197495	-0.26002	-0.66993	0.523862	0.864091	DOWN	584.0375	584.0333	584.0384	9.20785	9.06315
9169	M722T10_	1.142493	0.192186	0.688775	0.523866	0.864091	UP	721.8567	721.8563	721.8574	9.8207	9.699733

9170	M382T9_8	1.478814	0.564441	0.684071	0.523945	0.864091	UP	382.0447	382.0441	382.0491	9.200733	9.119933
9171	M461T9_1	1.534094	0.617387	0.691433	0.524009	0.864091	UP	461.0709	461.0703	461.0711	9.163642	9.142767
9172	M735T10_	1.096587	-0.13302	-0.66612	0.524071	0.864091	DOWN	735.4967	735.4958	735.4978	9.82645	9.699733
9173	M828T10_	1.169283	0.225625	0.669216	0.524084	0.864091	UP	828.1972	828.1965	828.1974	9.948875	9.843367
9174	M193T9_1	1.371265	0.455507	0.666109	0.524121	0.864091	UP	193.493	193.4923	193.494	9.175017	9.0511
9175	M250T9_6	1.170508	0.227135	0.675239	0.524262	0.864091	UP	250.2832	250.2823	250.2839	9.3771	9.295817
9176	M657T10_	1.286173	-0.36308	-0.68429	0.524267	0.864091	DOWN	657.0287	657.0281	657.0291	9.844033	9.759383
9177	M169T10_	1.245117	0.316282	0.679486	0.524354	0.864091	UP	168.9381	168.9378	168.9386	9.95605	9.843367
9178	M193T9_5	1.209535	-0.27445	-0.66652	0.524394	0.864091	DOWN	193.0154	193.0152	193.0157	9.175017	9.1428
9179	M306T10_	1.219665	0.286485	0.678137	0.524428	0.864091	UP	306.1813	306.181	306.1814	9.972917	9.8753
9180	M1001T10	1.362796	0.446569	0.676384	0.524555	0.864091	UP	1001.051	1001.05	1001.053	9.999217	9.8914
9181	M184T12	1.195124	0.257161	0.665472	0.524557	0.864091	UP	184.0966	184.0964	184.0967	11.82783	11.788
9182	M295T12_	1.141545	-0.19099	-0.68505	0.524608	0.864091	DOWN	295.2379	295.2378	295.2379	11.85163	11.8416
9183	M324T10_	1.144417	-0.19461	-0.66524	0.524616	0.864091	DOWN	323.576	323.5759	323.5763	9.8207	9.715683
9184	M320T44_	1.297742	-0.376	-0.66977	0.524622	0.864091	DOWN	320.1702	320.17	320.1703	43.8335	43.63217
9185	M1054T11	1.103727	-0.14238	-0.66517	0.524653	0.864091	DOWN	1053.95	1053.949	1053.952	10.89875	10.877
9186	M408T11_	1.087508	0.121026	0.67008	0.524659	0.864091	UP	407.567	407.5654	407.5676	10.92253	10.8646
9187	M546T38	1.464318	0.550229	0.695887	0.524743	0.864091	UP	546.3269	546.3267	546.3272	37.58983	37.43167
9188	M953T10_	1.219204	-0.28594	-0.6766	0.524799	0.864091	DOWN	952.622	952.6173	952.6222	9.902617	9.79535
9189	M568T11_	1.137482	-0.18584	-0.67603	0.524815	0.864091	DOWN	568.1753	568.1749	568.1754	10.89815	10.879
9190	M1216T18	1.236865	-0.30669	-0.6861	0.524852	0.864091	DOWN	1215.606	1215.605	1215.608	18.08233	17.9375
9191	M204T11	1.118374	-0.1614	-0.66487	0.524882	0.864091	DOWN	203.6777	203.6776	203.6779	10.89875	10.873
9192	M346T10_	1.105205	-0.14431	-0.67073	0.524916	0.864091	DOWN	346.1829	346.1827	346.1831	9.825492	9.715683
9193	M253T10_	1.197022	-0.25945	-0.6701	0.524945	0.864091	DOWN	252.9003	252.9002	252.9004	9.970617	9.8753
9194	M412T32_	1.297009	-0.37519	-0.66848	0.525008	0.864091	DOWN	412.3053	412.3052	412.3054	32.02717	31.9985
9195	M359T10_	1.173697	-0.23106	-0.67001	0.52506	0.864091	DOWN	358.8481	358.848	358.8482	9.857683	9.81635
9196	M413T32_	1.339316	-0.4215	-0.66946	0.525093	0.864091	DOWN	412.807	412.8068	412.8071	32.02667	31.998
9197	M305T11_	1.208998	0.273812	0.685725	0.525094	0.864091	UP	304.6692	304.6686	304.6708	10.90551	10.879
9198	M895T9	1.299041	-0.37745	-0.66445	0.525095	0.864091	DOWN	894.8837	894.8827	894.8862	9.36515	9.288883
9199	M268T9_3	1.233761	-0.30306	-0.66557	0.525166	0.864091	DOWN	268.1854	268.1852	268.1857	8.776417	8.682683
9200	M800T10_	1.108967	-0.14922	-0.66481	0.525296	0.864091	DOWN	799.51	799.5091	799.5111	10.05251	9.955733
9201	M1013T10	1.227702	0.29596	0.674334	0.52531	0.864091	UP	1012.725	1012.722	1012.726	9.983467	9.8914
9202	M431T10_	1.392325	0.477496	0.688419	0.525352	0.864091	UP	430.5596	430.5589	430.56	9.900133	9.79535
9203	M620T33_	1.102719	-0.14106	-0.68785	0.52536	0.864091	DOWN	620.3641	620.3637	620.3642	33.36917	33.25467
9204	M273T28	1.238979	0.309151	0.675699	0.525405	0.864091	UP	273.2978	273.2976	273.2979	28.26608	28.25767

9205	M414T9_8	1.226051	0.294019	0.675124	0.525494	0.864091	UP	413.8778	413.8769	413.878	9.06315	9.023483
9206	M798T10_	1.405947	0.491543	0.69235	0.525598	0.864091	UP	797.8723	797.8716	797.8741	9.9677	9.859233
9207	M416T41_	1.34	-0.42223	-0.68078	0.525602	0.864091	DOWN	416.2276	416.2275	416.2278	41.16933	40.85583
9208	M1400T10	1.322077	0.402807	0.671042	0.525703	0.864091	UP	1400.348	1400.347	1400.353	9.999217	9.946367
9209	M729T10_	1.079636	-0.11054	-0.6635	0.525728	0.864091	DOWN	728.9376	728.9358	728.9381	9.825492	9.715683
9210	M317T10_	1.646802	-0.71967	-0.66931	0.525761	0.864091	DOWN	316.6108	316.6104	316.6118	9.951283	9.822117
9211	M600T10_	1.211084	-0.2763	-0.66474	0.525954	0.864091	DOWN	600.2476	600.2471	600.2478	9.874317	9.779267
9212	M254T11_	1.901297	-0.92698	-0.6796	0.526228	0.864091	DOWN	253.6467	253.6464	253.6471	10.90669	10.83252
9213	M420T11_	1.223574	0.291102	0.68705	0.526289	0.864091	UP	420.2962	420.2958	420.2973	10.77397	10.74842
9214	M150T10_	1.192498	0.253987	0.672105	0.526308	0.864091	UP	150.0909	150.0907	150.091	9.8161	9.770733
9215	M503T11_	1.118643	0.161749	0.673351	0.526328	0.864091	UP	502.5185	502.5156	502.5199	10.91977	10.8628
9216	M511T9_5	1.207042	-0.27148	-0.66301	0.526384	0.864092	DOWN	511.4076	511.4074	511.4078	9.249442	9.1602
9217	M589T37	1.118643	-0.16175	-0.66495	0.526405	0.864092	DOWN	589.3923	589.3917	589.3928	36.808	36.76983
9218	M648T10_	1.150851	-0.2027	-0.67138	0.526444	0.864092	DOWN	647.7648	647.7646	647.7651	9.970617	9.8753
9219	M1177T10	1.093776	-0.12932	-0.67445	0.5266	0.864092	DOWN	1176.586	1176.585	1176.588	9.8207	9.7124
9220	M579T9_7	1.34278	-0.42522	-0.66638	0.526602	0.864092	DOWN	579.2264	579.2257	579.2273	8.922533	8.892117
9221	M366T10_	1.370588	0.454795	0.67335	0.526631	0.864092	UP	366.0696	366.0692	366.0698	9.972917	9.8753
9222	M431T26_	1.227324	-0.29552	-0.66195	0.526639	0.864092	DOWN	430.987	430.9868	430.9873	26.01683	25.90867
9223	M345T10_	1.340447	0.422715	0.678204	0.526642	0.864092	UP	345.4557	345.4555	345.4558	9.8207	9.699733
9224	M478T44_	1.090119	-0.12449	-0.66896	0.526646	0.864092	DOWN	478.2643	478.2641	478.2644	44.33667	44.14983
9225	M524T43_	1.134272	0.181766	0.677371	0.526674	0.864092	UP	524.3061	524.3059	524.3062	43.24375	43.114
9226	M413T32_	1.155673	-0.20873	-0.66502	0.526675	0.864092	DOWN	413.3815	413.3812	413.3816	31.57258	31.55267
9227	M322T11_	1.103497	-0.14208	-0.66199	0.526691	0.864092	DOWN	322.233	322.2326	322.2336	10.89875	10.879
9228	M543T24_	1.219241	-0.28598	-0.66182	0.526714	0.864092	DOWN	542.6325	542.6322	542.6342	23.93317	23.871
9229	M641T19	1.075203	0.104609	0.662311	0.526718	0.864092	UP	641.461	641.4606	641.4612	18.63867	18.62883
9230	M606T12	1.136006	-0.18397	-0.66742	0.526915	0.864092	DOWN	606.4677	606.4669	606.4681	12.22292	12.2077
9231	M201T9_3	1.38308	0.467884	0.665584	0.526963	0.864092	UP	200.597	200.5969	200.5975	9.1624	9.12675
9232	M250T10_	1.904212	-0.92919	-0.67514	0.527013	0.864092	DOWN	250.0028	250.0024	250.003	9.960467	9.859233
9233	M165T10_	1.159776	-0.21385	-0.66418	0.52721	0.864092	DOWN	165.4786	165.4785	165.4787	9.958617	9.843367
9234	M160T10_	1.247262	-0.31877	-0.66094	0.527224	0.864092	DOWN	159.5135	159.5133	159.5136	9.946367	9.8378
9235	M459T28	1.372339	0.456637	0.661006	0.527276	0.864092	UP	458.7831	458.7827	458.7838	28.17117	28.11267
9236	M349T10_	1.275614	0.351192	0.68741	0.527301	0.864092	UP	349.3999	349.3997	349.4002	9.8207	9.715683
9237	M783T10_	1.159554	-0.21357	-0.67675	0.527309	0.864092	DOWN	782.9768	782.9763	782.9775	10.21836	10.10142
9238	M487T11_	1.114747	-0.15672	-0.66072	0.527378	0.864092	DOWN	486.7957	486.7955	486.7966	10.892	10.879
9239	M398T10_	1.149827	-0.20142	-0.66079	0.527453	0.864092	DOWN	397.9731	397.9728	397.9734	9.886433	9.79535



9240	M346T31_	1.501059	-0.58598	-0.67114	0.527485	0.864092	DOWN	345.6037	345.6036	345.6039	31.39217	31.34917
9241	M207T9_1	1.492119	-0.57736	-0.66194	0.527576	0.864092	DOWN	207.0998	207.0983	207.1005	9.199983	9.061
9242	M325T10_	1.142304	0.191946	0.687915	0.527609	0.864092	UP	325.2127	325.2124	325.2135	9.851025	9.73145
9243	M283T10_	1.12847	-0.17437	-0.66398	0.527655	0.864092	DOWN	283.2199	283.2196	283.22	9.930908	9.827283
9244	M437T31	1.195209	0.257263	0.67217	0.527667	0.864092	UP	437.2067	437.2062	437.2075	31.10933	31.07533
9245	M744T10_	1.287088	0.364111	0.674122	0.527671	0.864092	UP	744.1163	744.1138	744.1174	9.823575	9.699733
9246	M556T9_1	1.356178	0.439546	0.676122	0.527876	0.864092	UP	555.5673	555.5671	555.5674	9.16125	9.145433
9247	M377T19	1.190422	-0.25147	-0.67412	0.527926	0.864092	DOWN	377.2197	377.2195	377.2201	19.41758	19.37283
9248	M228T9_1	1.350756	0.433767	0.659572	0.528156	0.864092	UP	227.5037	227.5019	227.5067	9.329083	9.0511
9249	M166T10_	1.179154	-0.23775	-0.66268	0.528191	0.864092	DOWN	165.6486	165.6485	165.6486	9.964092	9.859233
9250	M182T9_5	1.267273	0.341727	0.661172	0.52826	0.864092	UP	182.1536	182.1491	182.1537	9.271	9.11405
9251	M405T21_	1.23995	-0.31028	-0.65935	0.528266	0.864092	DOWN	404.7824	404.7823	404.7828	20.622	20.59333
9252	M370T10_	1.124396	-0.16915	-0.66204	0.528329	0.864092	DOWN	369.64	369.6398	369.6403	9.902483	9.811217
9253	M237T9_1	1.827501	0.869872	0.683455	0.528329	0.864092	UP	236.6822	236.682	236.69	8.92085	8.818733
9254	M801T10_	1.170169	-0.22672	-0.66858	0.528405	0.864092	DOWN	801.4719	801.4709	801.473	9.560692	9.46325
9255	M707T10_	1.10347	-0.14205	-0.66094	0.52845	0.864092	DOWN	706.6724	706.6717	706.6753	9.823317	9.715683
9256	M628T15_	1.177414	-0.23562	-0.67716	0.528483	0.864092	DOWN	628.3171	628.3168	628.3182	14.59005	14.57432
9257	M438T9_1	1.168892	-0.22514	-0.65882	0.528548	0.864092	DOWN	437.5603	437.5514	437.561	9.304717	9.146383
9258	M221T9_6	1.440421	-0.52649	-0.66574	0.528555	0.864092	DOWN	220.8021	220.8003	220.8061	9.303042	9.132267
9259	M375T10_	1.27504	-0.35054	-0.66046	0.528574	0.864092	DOWN	375.3181	375.318	375.3183	9.919058	9.8378
9260	M426T10_	1.176139	0.234059	0.673746	0.528579	0.864092	UP	426.2308	426.2301	426.231	9.92625	9.8378
9261	M522T10_	1.19116	-0.25237	-0.67577	0.528585	0.864092	DOWN	521.8781	521.8776	521.8792	9.956417	9.843367
9262	M416T44_	1.116527	-0.15902	-0.66762	0.528663	0.864092	DOWN	416.2276	416.2276	416.228	43.91233	43.67517
9263	M429T11_	1.198847	-0.26165	-0.67443	0.528716	0.864092	DOWN	428.8238	428.8233	428.8242	10.87704	10.84487
9264	M202T9_1	1.17761	-0.23586	-0.66111	0.528752	0.864092	DOWN	202.3698	202.3692	202.3705	9.30385	9.111033
9265	M1007T10	1.151357	-0.20334	-0.66086	0.528754	0.864092	DOWN	1006.588	1006.586	1006.59	9.802117	9.699733
9266	M177T10_	1.255263	-0.32799	-0.66069	0.528866	0.864092	DOWN	176.9455	176.9455	176.9457	9.919058	9.827283
9267	M160T10_	1.142014	0.191581	0.658456	0.52887	0.864092	UP	160.1688	160.1687	160.1689	9.960817	9.843367
9268	M405T10_	1.190519	-0.25159	-0.67553	0.529059	0.864092	DOWN	405.4733	405.4729	405.4735	9.900767	9.822117
9269	M483T30	1.273529	-0.34883	-0.66251	0.529076	0.864092	DOWN	483.3267	483.3257	483.3269	29.8485	29.84833
9270	M473T9_1	1.420296	-0.50619	-0.66267	0.529146	0.864092	DOWN	473.4179	473.4138	473.4228	9.166033	9.078567
9271	M498T9_6	1.497636	0.582687	0.663727	0.529155	0.864092	UP	497.9478	497.9467	497.9485	9.147367	9.110833
9272	M441T10_	1.12644	-0.17177	-0.67136	0.529161	0.864092	DOWN	440.8217	440.8217	440.8226	9.834117	9.699733
9273	M389T10_	1.159973	-0.21409	-0.65795	0.529185	0.864092	DOWN	388.8206	388.8203	388.8207	9.91875	9.811217
9274	M277T11_	1.141241	-0.1906	-0.66215	0.529197	0.864092	DOWN	277.0827	277.0825	277.0832	10.85983	10.83252

9275	M478T11	1.142989	-0.19281	-0.68082	0.529275	0.864092	DOWN	477.7263	477.726	477.7267	10.91977	10.8914
9276	M394T9_6	1.277885	-0.35376	-0.65961	0.529315	0.864092	DOWN	394.1966	394.1955	394.2011	9.239042	9.064833
9277	M584T37	1.131333	-0.17802	-0.65828	0.52938	0.864092	DOWN	584.4366	584.4363	584.4369	36.79908	36.78383
9278	M218T10_	1.266345	-0.34067	-0.65732	0.529434	0.864092	DOWN	217.5842	217.5841	217.5843	9.886433	9.886083
9279	M665T11_	1.16107	0.215455	0.678261	0.529499	0.864092	UP	665.4102	665.4098	665.4115	10.72718	10.6937
9280	M276T11_	1.134441	0.181981	0.657166	0.529523	0.864092	UP	275.9488	275.9481	275.9493	10.892	10.8646
9281	M207T9_1	1.527512	0.611184	0.676062	0.52958	0.864092	UP	206.9689	206.9687	206.9703	9.279417	9.132267
9282	M373T10_	1.442028	0.5281	0.681919	0.529671	0.864092	UP	372.5272	372.5271	372.5273	9.5098	9.432183
9283	M439T10_	1.273142	-0.34839	-0.66205	0.529685	0.864092	DOWN	439.2808	439.2776	439.2816	9.5442	9.278717
9284	M245T39_	1.075768	0.105366	0.660599	0.529719	0.864092	UP	245.1381	245.1379	245.1382	38.66167	38.53917
9285	M720T10_	1.192113	-0.25352	-0.66335	0.529744	0.864092	DOWN	719.9799	719.9794	719.9803	9.508883	9.40135
9286	M287T10_	1.116386	-0.15884	-0.65754	0.529758	0.864092	DOWN	287.2361	287.2357	287.2363	9.9351	9.827283
9287	M383T11_	1.172299	-0.22934	-0.65878	0.529815	0.864092	DOWN	383.3034	383.3032	383.3036	10.6825	10.6624
9288	M218T11_	1.079632	-0.11054	-0.66184	0.5299	0.864093	DOWN	218.2306	218.2305	218.2308	10.90519	10.879
9289	M266T27	1.142036	0.191609	0.658696	0.529932	0.864093	UP	266.1535	266.1534	266.1538	26.73767	26.72383
9290	M451T11_	1.149358	-0.20083	-0.65807	0.530151	0.864093	DOWN	450.9516	450.9459	450.952	10.90467	10.8646
9291	M227T10_	1.12005	-0.16356	-0.67151	0.530188	0.864093	DOWN	227.3691	227.3689	227.3692	9.8397	9.715683
9292	M752T10_	1.138852	0.18758	0.67508	0.530238	0.864093	UP	752.2141	752.212	752.2151	9.823575	9.715683
9293	M298T26	1.44274	0.528812	0.675372	0.530252	0.864093	UP	298.2736	298.2732	298.2738	25.51167	25.501
9294	M590T11_	1.10653	-0.14604	-0.65622	0.530301	0.864093	DOWN	590.1774	590.1769	590.1795	10.90519	10.879
9295	M635T10_	1.140434	0.189583	0.656036	0.530308	0.864093	UP	634.573	634.5727	634.5758	9.813467	9.649833
9296	M357T35	1.108648	-0.1488	-0.66652	0.530322	0.864093	DOWN	357.1906	357.1904	357.1908	35.25383	35.14233
9297	M283T11_	1.259008	0.332288	0.667779	0.530341	0.864093	UP	282.8558	282.8556	282.8561	10.892	10.8646
9298	M200T9_1	1.196254	0.258524	0.661822	0.530358	0.864093	UP	200.2176	200.217	200.2181	9.26575	9.16125
9299	M265T11_	1.174613	-0.23219	-0.65598	0.530385	0.864093	DOWN	264.9764	264.9762	264.977	10.86994	10.84487
9300	M633T10_	1.283651	-0.36025	-0.65607	0.530471	0.864093	DOWN	633.1375	633.1373	633.1382	9.816167	9.7124
9301	M673T12	1.139123	0.187923	0.658784	0.530503	0.864093	UP	673.4513	673.4508	673.4519	11.53137	11.51165
9302	M559T11_	1.281031	0.357306	0.659916	0.530621	0.864093	UP	559.0016	559.0009	559.0017	10.61667	10.5836
9303	M540T37_	1.129722	-0.17597	-0.65779	0.530745	0.864093	DOWN	540.4103	540.4098	540.4106	37.07217	37.0575
9304	M747T22	1.086364	-0.11951	-0.6574	0.530781	0.864093	DOWN	746.5262	746.5259	746.5266	21.98783	21.96617
9305	M430T25_	1.642936	-0.71628	-0.65665	0.530921	0.864093	DOWN	430.1595	430.1593	430.1598	24.59417	24.5795
9306	M378T9_7	1.265648	-0.33988	-0.65511	0.530929	0.864093	DOWN	378.2013	378.2005	378.204	9.168583	9.0637
9307	M790T10_	1.141195	-0.19055	-0.65918	0.530935	0.864093	DOWN	789.6895	789.6891	789.6897	9.940783	9.827283
9308	M909T22	1.271608	-0.34665	-0.66437	0.530964	0.864093	DOWN	908.6438	908.6432	908.6445	22.01683	22.00083
9309	M1958T10	1.211304	-0.27656	-0.65449	0.531163	0.864093	DOWN	1958.155	1958.154	1958.156	9.823575	9.715683

9310	M366T9_7	1.379006	0.463629	0.671192	0.531178	0.864093	UP	366.148	366.1477	366.1515	9.191133	9.12675
9311	M596T10_	1.252798	-0.32515	-0.65697	0.531443	0.864093	DOWN	596.4583	596.4581	596.4587	9.915933	9.903017
9312	M169T9_4	1.380908	0.465617	0.668796	0.531452	0.864093	UP	169.3687	169.3682	169.3689	9.29345	9.111033
9313	M931T10_	1.134981	0.182669	0.670229	0.531473	0.864093	UP	930.6328	930.631	930.633	9.948875	9.843367
9314	M783T10_	1.364456	0.448326	0.677417	0.531476	0.864093	UP	782.883	782.8804	782.8841	9.972917	9.859233
9315	M1217T10	1.304736	-0.38376	-0.65432	0.531506	0.864093	DOWN	1216.691	1216.684	1216.696	9.964167	9.79535
9316	M480T39	1.195218	-0.25727	-0.67499	0.531753	0.864093	DOWN	480.2801	480.2796	480.2806	39.20117	39.00483
9317	M206T9_2	1.979977	0.985484	0.679603	0.531867	0.864093	UP	205.5413	205.5404	205.5421	9.295492	9.219483
9318	M513T10_	1.197659	-0.26022	-0.66288	0.531877	0.864093	DOWN	513.3635	513.3631	513.364	9.531467	9.432183
9319	M374T9_4	1.129335	-0.17547	-0.65587	0.53204	0.864093	DOWN	373.9314	373.9311	373.9316	9.0864	9.03845
9320	M279T13	1.382148	0.466912	0.675848	0.532082	0.864093	UP	279.039	279.0389	279.0392	13.01024	12.99582
9321	M373T39_	1.066245	-0.09254	-0.67545	0.532151	0.864093	DOWN	373.222	373.2218	373.2221	39.417	39.11483
9322	M244T21	1.167731	-0.22371	-0.66238	0.532176	0.864093	DOWN	244.1693	244.1691	244.1694	21.19008	21.17933
9323	M781T25	1.13507	-0.18278	-0.65808	0.532203	0.864093	DOWN	780.5445	780.5439	780.5447	25.32017	25.3
9324	M221T11_	1.100366	-0.13798	-0.65399	0.532232	0.864093	DOWN	220.5172	220.5168	220.5174	10.892	10.8646
9325	M312T12_	1.085519	-0.11839	-0.65694	0.532343	0.864093	DOWN	312.2168	312.2168	312.217	12.25185	12.2372
9326	M169T9_3	1.149925	0.20154	0.652495	0.532379	0.864093	UP	169.1398	169.1391	169.1403	9.338858	9.20785
9327	M405T10_	1.193096	0.25471	0.66688	0.532506	0.864093	UP	405.0164	405.0111	405.0166	9.970617	9.79535
9328	M178T9_2	2.587186	1.371384	0.680909	0.532563	0.864093	UP	177.6162	177.6147	177.6169	9.183625	9.103733
9329	M817T11_	1.182764	-0.24216	-0.6573	0.532563	0.864093	DOWN	816.7559	816.7534	816.7562	10.93752	10.86275
9330	M564T10_	1.163285	-0.2182	-0.66033	0.532584	0.864093	DOWN	563.7122	563.7119	563.713	9.945258	9.843367
9331	M373T30	1.145338	-0.19577	-0.65353	0.532691	0.864093	DOWN	373.2347	373.2345	373.2352	30.07908	30.0495
9332	M331T10_	1.141679	0.191158	0.652525	0.532728	0.864093	UP	330.7252	330.7243	330.7305	9.859233	9.715683
9333	M253T11_	1.093351	-0.12876	-0.6532	0.532768	0.864093	DOWN	252.6009	252.6006	252.6011	10.90551	10.879
9334	M730T11_	1.244234	-0.31526	-0.65196	0.532768	0.864093	DOWN	729.6137	729.6135	729.6148	10.90765	10.89125
9335	M698T10_	1.096237	-0.13256	-0.65256	0.5329	0.864093	DOWN	698.3516	698.3513	698.3522	9.831517	9.715683
9336	M391T10_	1.17151	0.228369	0.654586	0.532924	0.864093	UP	390.5989	390.5986	390.599	9.951283	9.859233
9337	M513T10_	1.113742	-0.15542	-0.65157	0.532948	0.864093	DOWN	513.3202	513.3186	513.3232	10.16365	10.10142
9338	M509T10_	1.230328	-0.29904	-0.66356	0.53299	0.864093	DOWN	508.9614	508.961	508.9618	10.17355	10.10718
9339	M373T10_	1.425706	0.511676	0.678217	0.533042	0.864093	UP	372.6004	372.6	372.6006	9.968992	9.8753
9340	M420T10_	1.231555	-0.30048	-0.6514	0.533049	0.864093	DOWN	420.4674	420.4668	420.4677	9.933967	9.827283
9341	M399T10_	1.172134	0.229138	0.653776	0.533059	0.864093	UP	398.784	398.7829	398.7845	9.970617	9.869467
9342	M1998T10	1.230666	-0.29944	-0.66205	0.533098	0.864093	DOWN	1998.167	1998.166	1998.168	9.830083	9.715683
9343	M225T10_	2.175346	-1.12124	-0.67358	0.533111	0.864093	DOWN	225.1586	225.1584	225.1596	9.92825	9.644783
9344	M474T10_	1.064467	0.090131	0.651736	0.533114	0.864093	UP	474.1557	474.1554	474.1562	9.872908	9.747533

9345	M346T31_	1.5367	-0.61984	-0.6617	0.533134	0.864093	DOWN	345.9382	345.938	345.9384	31.3855	31.36367
9346	M388T11_	1.091367	-0.12614	-0.65165	0.533152	0.864093	DOWN	387.6564	387.6562	387.6566	10.89875	10.879
9347	M363T9_1	1.222725	0.2901	0.675523	0.533156	0.864093	UP	363.3063	363.306	363.3068	9.295008	9.175017
9348	M589T10_	1.237812	0.307792	0.66047	0.53316	0.864093	UP	589.312	589.3113	589.3129	9.701933	9.5889
9349	M258T11_	1.127205	0.17275	0.663937	0.533162	0.864093	UP	258.2336	258.2332	258.2338	10.87765	10.84847
9350	M178T10_	1.319752	0.400266	0.651108	0.533283	0.864093	UP	178.1604	178.1601	178.1605	9.944208	9.827283
9351	M556T10_	1.161082	-0.21547	-0.66074	0.533298	0.864093	DOWN	555.6256	555.625	555.6258	9.94785	9.827283
9352	M219T10_	1.121151	-0.16498	-0.65835	0.533351	0.864094	DOWN	219.2709	219.2706	219.2709	9.990767	9.8753
9353	M517T9_7	1.225221	-0.29304	-0.65207	0.533398	0.864094	DOWN	517.4879	517.4872	517.4882	9.238858	9.1445
9354	M651T10_	1.250427	0.322421	0.657344	0.533409	0.864094	UP	650.5858	650.5857	650.5863	9.979342	9.8753
9355	M488T38	1.104984	0.144026	0.679138	0.533476	0.864094	UP	488.285	488.2847	488.2853	38.42425	38.30917
9356	M352T11_	1.08519	-0.11795	-0.65144	0.533489	0.864094	DOWN	352.1019	352.1018	352.1025	10.89875	10.879
9357	M272T28	1.184757	0.244591	0.659693	0.533714	0.864094	UP	272.2945	272.2944	272.2946	28.26017	28.25767
9358	M944T10_	1.17797	-0.2363	-0.6505	0.533787	0.864094	DOWN	944.4211	944.4205	944.4215	9.973867	9.8753
9359	M241T10_	1.5205	0.604545	0.669296	0.533828	0.864094	UP	240.6824	240.6823	240.6826	9.946417	9.843367
9360	M404T11_	1.107918	-0.14785	-0.65328	0.533976	0.864094	DOWN	403.6062	403.606	403.6068	10.91983	10.90197
9361	M621T10_	1.172005	-0.22898	-0.65123	0.533983	0.864094	DOWN	620.7816	620.7799	620.7825	9.95385	9.843367
9362	M449T9_6	1.164694	-0.21995	-0.65078	0.534059	0.864094	DOWN	449.1693	449.1688	449.1696	9.3471	9.11405
9363	M198T11_	1.168951	0.225214	0.650877	0.534148	0.864094	UP	198.1516	198.1512	198.1521	10.91386	10.88995
9364	M428T9_4	1.264075	0.338082	0.654581	0.534253	0.864094	UP	428.1548	428.1539	428.1554	9.2162	9.161683
9365	M307T22_	1.186102	-0.24623	-0.67325	0.53436	0.864094	DOWN	306.5031	306.5025	306.5032	21.60175	21.52917
9366	M386T9_2	1.163743	-0.21877	-0.65363	0.534491	0.864094	DOWN	385.6269	385.6266	385.6273	9.160617	9.126783
9367	M330T10_	1.253983	0.326518	0.672231	0.534543	0.864094	UP	329.6487	329.6483	329.6497	9.951283	9.714783
9368	M418T41	1.419495	0.505378	0.658549	0.534582	0.864094	UP	418.2795	418.2793	418.2797	41.086	40.79817
9369	M528T10_	1.155676	-0.20874	-0.66479	0.534583	0.864094	DOWN	528.3444	528.3439	528.3446	9.951283	9.843367
9370	M391T11_	1.417884	0.503739	0.672211	0.534654	0.864094	UP	391.2571	391.2562	391.2596	11.13665	11.04138
9371	M508T41_	1.099072	-0.13629	-0.67038	0.534706	0.864094	DOWN	508.2749	508.2746	508.2752	41.28017	41.086
9372	M655T10_	1.176491	-0.23449	-0.65019	0.534717	0.864094	DOWN	655.3417	655.3408	655.3438	9.858833	9.696683
9373	M261T9_2	1.206829	-0.27122	-0.64904	0.534789	0.864094	DOWN	260.9278	260.9246	260.9286	9.269633	9.132267
9374	M360T10_	1.251741	-0.32394	-0.66007	0.534859	0.864094	DOWN	359.7336	359.7327	359.7345	9.871892	9.747533
9375	M162T10_	1.177894	-0.23621	-0.64988	0.534941	0.864094	DOWN	162.0997	162.0994	162.0997	9.9182	9.811217
9376	M502T9_5	1.247863	0.319459	0.669937	0.534941	0.864094	UP	502.1899	502.1885	502.1903	9.18195	9.11405
9377	M413T20_	1.149774	0.201351	0.66704	0.534962	0.864094	UP	412.8471	412.8468	412.8471	20.245	20.23017
9378	M480T10_	1.264889	-0.33901	-0.65097	0.535041	0.864094	DOWN	480.1589	480.1584	480.1601	9.78795	9.699733
9379	M319T10_	1.469274	0.555103	0.667227	0.535088	0.864094	UP	319.3184	319.3179	319.3197	9.830733	9.747533

9380	M733T36	1.421907	-0.50783	-0.64908	0.535089	0.864094	DOWN	732.5473	732.5468	732.5474	35.66708	35.64667
9381	M324T10_	1.169692	-0.22613	-0.65134	0.535092	0.864094	DOWN	323.669	323.6688	323.6691	9.968992	9.859233
9382	M625T31	1.097905	-0.13475	-0.66211	0.535101	0.864094	DOWN	625.3917	625.3915	625.3919	31.3945	31.3925
9383	M213T27	1.132658	0.179712	0.661162	0.535109	0.864094	UP	213.2209	213.2207	213.2212	27.36883	27.32683
9384	M443T10_	1.252646	-0.32498	-0.64803	0.535123	0.864094	DOWN	443.4503	443.4496	443.4589	9.8445	9.696683
9385	M728T11_	1.240845	-0.31132	-0.67051	0.535169	0.864094	DOWN	728.4362	728.4351	728.4367	11.22177	11.19848
9386	M485T9_1	1.156403	-0.20964	-0.65046	0.535179	0.864094	DOWN	484.7879	484.7863	484.7884	8.900475	8.8486
9387	M1470T10	1.614876	0.691424	0.673515	0.535365	0.864094	UP	1470.134	1470.125	1470.135	9.953642	9.8914
9388	M412T11_	1.170508	0.227134	0.662503	0.535501	0.864094	UP	412.3914	412.3911	412.3916	10.90657	10.89355
9389	M788T11_	1.115594	-0.15781	-0.65387	0.535512	0.864094	DOWN	788.3497	788.3494	788.3505	10.8926	10.879
9390	M536T10_	1.199092	-0.26194	-0.64911	0.535565	0.864094	DOWN	536.3705	536.3704	536.371	9.970617	9.960967
9391	M578T43_	1.337812	-0.41988	-0.66704	0.535581	0.864094	DOWN	578.3169	578.3168	578.3174	43.45933	43.28683
9392	M352T3	1.487049	-0.57245	-0.65044	0.53559	0.864094	DOWN	351.7517	351.7515	351.7518	3.433767	3.2467
9393	M317T10_	1.176179	0.234107	0.647179	0.535643	0.864094	UP	317.2753	317.2752	317.2757	9.8374	9.699733
9394	M586T11_	1.184937	-0.24481	-0.64914	0.535675	0.864094	DOWN	585.7925	585.7921	585.7929	10.87708	10.85018
9395	M245T10_	1.189636	-0.25052	-0.65399	0.535698	0.864094	DOWN	244.6594	244.6497	244.6595	9.962617	9.843367
9396	M353T7	1.285239	-0.36204	-0.64708	0.53571	0.864094	DOWN	352.8971	352.897	352.8973	7.275133	7.2096
9397	M381T25	1.161797	-0.21636	-0.64945	0.535756	0.864094	DOWN	381.131	381.1296	381.1312	25.34783	25.3175
9398	M332T11	1.160498	-0.21474	-0.64764	0.53589	0.864094	DOWN	332.3827	332.3826	332.3908	10.9127	10.873
9399	M549T9_3	1.418617	0.504485	0.665473	0.535892	0.864094	UP	549.1995	549.1968	549.2006	9.145433	9.110833
9400	M497T11_	1.095153	-0.13113	-0.64698	0.535922	0.864094	DOWN	497.2148	497.2146	497.2151	10.892	10.879
9401	M422T11_	1.224719	0.29245	0.649681	0.535925	0.864094	UP	421.7236	421.7232	421.7244	10.97928	10.86253
9402	M633T10_	1.226334	0.294352	0.648202	0.535957	0.864094	UP	633.2145	633.2141	633.2276	9.887133	9.827283
9403	M1230T10	1.193301	0.254957	0.651224	0.536027	0.864094	UP	1229.983	1229.982	1229.984	9.75365	9.636483
9404	M203T10_	1.173846	0.231244	0.655604	0.536085	0.864094	UP	202.8926	202.8899	202.8998	9.834042	9.816167
9405	M674T10_	1.192812	-0.25437	-0.65242	0.53618	0.864094	DOWN	673.5427	673.5424	673.5429	9.825492	9.715683
9406	M474T11_	1.217213	0.283581	0.668019	0.53619	0.864094	UP	474.1797	474.1784	474.1802	10.91881	10.879
9407	M608T41	1.220376	-0.28733	-0.67491	0.536229	0.864094	DOWN	608.364	608.3639	608.3641	41.24425	41.07133
9408	M363T9_1	1.198191	0.260857	0.651961	0.536237	0.864094	UP	363.1989	363.1982	363.1995	9.071467	8.888317
9409	M607T10_	1.144677	-0.19494	-0.65699	0.536243	0.864094	DOWN	607.4397	607.4395	607.4418	9.894392	9.79535
9410	M1349T10	1.15601	-0.20915	-0.64962	0.536253	0.864094	DOWN	1348.777	1348.775	1348.777	10.20787	10.14983
9411	M182T10_	1.056202	-0.07889	-0.66616	0.5363	0.864094	DOWN	182.1538	182.1537	182.1539	9.918792	9.827283
9412	M569T9_4	1.1257	-0.17082	-0.65084	0.536388	0.864094	DOWN	569.3133	569.3129	569.3136	9.154525	9.126783
9413	M1858T10	1.106966	-0.14661	-0.64755	0.536393	0.864094	DOWN	1857.653	1857.652	1857.659	9.830558	9.715683
9414	M473T9_1	1.210915	0.276097	0.652351	0.53641	0.864094	UP	473.4851	473.4847	473.4863	9.36515	9.142767

9415	M340T11_	1.168038	-0.22409	-0.64604	0.536422	0.864094	DOWN	339.8868	339.8867	339.8874	10.90343	10.877
9416	M592T10_	1.321687	0.402381	0.661324	0.536475	0.864094	UP	591.9622	591.9613	591.9639	9.977042	9.8753
9417	M224T10_	1.223827	-0.2914	-0.646	0.536568	0.864094	DOWN	224.191	224.1819	224.1915	9.830833	9.7124
9418	M1359T10	1.116229	-0.15863	-0.64695	0.536582	0.864094	DOWN	1359.021	1359.02	1359.022	9.825767	9.715683
9419	M824T10_	1.152957	-0.20534	-0.64898	0.536611	0.864094	DOWN	824.0512	824.0505	824.0515	9.9351	9.827283
9420	M431T10_	1.392274	0.477443	0.665319	0.53671	0.864094	UP	431.0419	431.0411	431.042	9.909442	9.79535
9421	M450T45	1.356889	-0.4403	-0.67427	0.53672	0.864094	DOWN	450.2331	450.233	450.2333	44.8685	44.60983
9422	M227T10_	1.116636	-0.15916	-0.66098	0.536726	0.864094	DOWN	226.9819	226.9818	226.982	9.8397	9.715683
9423	M377T9_2	1.19172	0.253045	0.661015	0.53673	0.864094	UP	376.7747	376.7742	376.7747	8.799642	8.667783
9424	M369T11_	1.098959	-0.13614	-0.64572	0.536763	0.864094	DOWN	369.3556	369.3555	369.3558	10.89875	10.879
9425	M200T9_2	1.365889	0.44984	0.656556	0.536817	0.864094	UP	200.3865	200.3861	200.3876	9.405025	9.132267
9426	M233T11_	1.078846	-0.10949	-0.6472	0.536992	0.864095	DOWN	232.757	232.7569	232.7572	10.90519	10.879
9427	M322T10_	1.119313	0.162613	0.656984	0.53702	0.864095	UP	321.9953	321.995	321.9955	9.975217	9.8753
9428	M387T9_1	1.171984	-0.22895	-0.65244	0.537023	0.864095	DOWN	387.1282	387.128	387.1294	9.44825	9.355317
9429	M315T39_	1.09358	0.129059	0.658885	0.537043	0.864095	UP	315.18	315.1798	315.1801	38.69783	38.42433
9430	M614T10_	1.209809	-0.27478	-0.64547	0.537076	0.864095	DOWN	614.3407	614.3399	614.3409	9.968992	9.859233
9431	M206T10_	1.180844	0.239818	0.64522	0.537103	0.864095	UP	206.1155	206.1153	206.1155	9.830283	9.728083
9432	M1007T28	1.232452	-0.30153	-0.64497	0.537211	0.864095	DOWN	1006.767	1006.766	1006.768	28.38933	28.37683
9433	M183T9_5	1.666788	0.737071	0.669722	0.537276	0.864095	UP	182.9346	182.9339	182.9358	9.1602	9.079083
9434	M294T9_4	1.38837	-0.47339	-0.64838	0.537277	0.864095	DOWN	293.7426	293.7414	293.7448	9.333667	9.219483
9435	M475T9_9	1.365583	-0.44952	-0.65586	0.5373	0.864095	DOWN	475.0872	475.0866	475.0949	9.280967	9.17485
9436	M753T21	1.124086	-0.16875	-0.64993	0.537307	0.864095	DOWN	752.5134	752.5129	752.5139	21.02075	21.011
9437	M434T9_1	1.09091	0.125532	0.658036	0.537319	0.864095	UP	434.4564	434.4562	434.4567	9.18195	9.12675
9438	M1861T10	1.1218	0.165815	0.654215	0.537506	0.864095	UP	1860.534	1860.531	1860.538	9.810767	9.728083
9439	M420T10_	1.202469	0.266	0.66213	0.537528	0.864095	UP	420.0027	420.0024	420.003	9.934533	9.827283
9440	M179T10_	1.119983	0.163476	0.645703	0.537583	0.864095	UP	179.0277	179.0276	179.028	9.969158	9.8914
9441	M319T10_	1.576302	0.656544	0.662061	0.537636	0.864095	UP	318.9103	318.9101	318.9106	9.92825	9.8378
9442	M684T10_	1.187781	-0.24827	-0.64761	0.537646	0.864095	DOWN	683.948	683.9475	683.9481	9.842	9.715683
9443	M370T10_	1.380756	-0.46546	-0.65195	0.53769	0.864095	DOWN	369.7984	369.7977	369.8058	9.946367	9.859233
9444	M453T10_	1.145188	-0.19558	-0.65202	0.53769	0.864095	DOWN	452.8604	452.8602	452.8607	9.981567	9.8753
9445	M1857T10	1.135084	-0.1828	-0.64787	0.537705	0.864095	DOWN	1857.239	1857.235	1857.241	9.823575	9.715683
9446	M404T11_	1.248081	0.319712	0.65955	0.537742	0.864095	UP	404.2862	404.2861	404.2863	10.90628	10.88747
9447	M372T25	1.213508	-0.27918	-0.64405	0.537786	0.864095	DOWN	372.2222	372.2221	372.2225	24.57175	24.5215
9448	M652T10_	1.246722	-0.31814	-0.64878	0.537856	0.864095	DOWN	651.6987	651.6982	651.6993	9.967367	9.843367
9449	M395T20_	1.065953	-0.09214	-0.64449	0.537889	0.864095	DOWN	395.1272	395.1271	395.1274	20.24492	20.23017

9450	M367T10_	1.218957	-0.28565	-0.64566	0.53789	0.864095	DOWN	366.8213	366.8212	366.8218	9.845483	9.728083
9451	M282T10_	1.054244	0.076209	0.663978	0.537903	0.864095	UP	282.3911	282.391	282.3911	9.847133	9.73145
9452	M265T10_	1.259799	-0.33319	-0.65427	0.537915	0.864095	DOWN	264.8585	264.8581	264.8587	9.77345	9.76065
9453	M879T11_	1.34696	0.429707	0.668011	0.537959	0.864095	UP	878.8941	878.8924	878.896	10.94208	10.879
9454	M355T31	1.145035	0.195392	0.643359	0.538003	0.864095	UP	355.284	355.2839	355.2842	30.97358	30.95183
9455	M213T12_	1.102438	-0.1407	-0.66383	0.538105	0.864095	DOWN	213.1483	213.1483	213.1484	11.82647	11.74257
9456	M642T21	1.14839	-0.19961	-0.6584	0.538249	0.864095	DOWN	642.4788	642.4784	642.4789	20.753	20.50483
9457	M337T10_	1.418029	0.503887	0.668771	0.538296	0.864095	UP	336.5011	336.5009	336.506	9.816058	9.7124
9458	M188T9_7	1.55705	0.638815	0.664106	0.538314	0.864095	UP	187.96	187.9592	187.9613	9.280767	9.16125
9459	M476T43	1.254366	-0.32696	-0.64298	0.538353	0.864095	DOWN	476.2487	476.2486	476.249	43.1	42.726
9460	M310T9_3	1.1704	-0.227	-0.65076	0.538413	0.864095	DOWN	309.9018	309.8998	309.9032	9.344125	9.191133
9461	M511T22	1.142908	-0.19271	-0.64381	0.538437	0.864095	DOWN	511.4027	511.4026	511.4032	21.76583	21.7525
9462	M406T40_	1.21984	-0.28669	-0.64545	0.538442	0.864095	DOWN	406.2069	406.2067	406.207	39.63283	39.442
9463	M674T9_1	1.159876	0.21397	0.64377	0.538597	0.864095	UP	673.8348	673.8337	673.835	9.475667	9.245983
9464	M215T23	1.086792	-0.12008	-0.64391	0.53863	0.864095	DOWN	215.1638	215.1637	215.1638	22.91467	22.90033
9465	M510T11_	1.176936	-0.23504	-0.65276	0.538682	0.864095	DOWN	509.6836	509.6826	509.6838	10.87598	10.83572
9466	M357T10_	1.121254	0.165114	0.664402	0.53879	0.864095	UP	357.2766	357.2762	357.2768	9.846225	9.715683
9467	M310T23_	1.207511	-0.27204	-0.64369	0.538793	0.864095	DOWN	310.3897	310.3896	310.3899	22.69767	22.66867
9468	M288T11_	1.181314	-0.24039	-0.64222	0.538803	0.864095	DOWN	287.8226	287.8222	287.8228	10.90275	10.86275
9469	M489T10_	1.120528	0.164179	0.651236	0.538888	0.864095	UP	489.3399	489.3396	489.3402	9.638933	9.541483
9470	M642T19	1.08529	0.118081	0.642699	0.538888	0.864095	UP	642.4644	642.464	642.4645	18.63867	18.62883
9471	M270T11_	1.177853	-0.23616	-0.64516	0.538898	0.864095	DOWN	270.2056	270.2054	270.2057	10.90628	10.84847
9472	M210T9_5	1.253877	0.326396	0.641812	0.539063	0.864095	UP	210.1486	210.1486	210.1487	9.329083	9.11405
9473	M332T10_	1.081154	-0.11257	-0.65557	0.539069	0.864095	DOWN	332.0789	332.0787	332.0792	9.823575	9.715683
9474	M160T11	1.169646	0.226072	0.642358	0.539129	0.864095	UP	159.5716	159.5715	159.5717	11.49014	11.47298
9475	M227T10_	1.220244	0.287169	0.664577	0.539209	0.864095	UP	226.6925	226.6924	226.6927	9.933	9.827283
9476	M248T11_	1.104724	-0.14369	-0.65114	0.539212	0.864095	DOWN	247.6391	247.6386	247.6394	10.92598	10.8926
9477	M415T9_1	1.505172	0.589929	0.661297	0.539254	0.864095	UP	414.5326	414.5303	414.5345	9.171208	9.110833
9478	M160T10_	1.167484	-0.2234	-0.64168	0.539266	0.864095	DOWN	160.0541	160.054	160.0542	9.967367	9.859233
9479	M438T9_9	1.42806	0.514056	0.666442	0.53941	0.864096	UP	438.3231	438.322	438.3233	9.219483	9.142767
9480	M280T9_2	1.236495	-0.30626	-0.64367	0.539427	0.864096	DOWN	280.046	280.0457	280.0465	9.150733	9.133667
9481	M557T10_	1.265446	-0.33965	-0.64125	0.539526	0.864097	DOWN	556.8074	556.8072	556.8078	9.915583	9.88865
9482	M674T10_	1.450865	0.536913	0.663251	0.539646	0.864097	UP	674.4869	674.4856	674.4878	9.817158	9.728083
9483	M395T10_	1.280816	-0.35706	-0.64067	0.539652	0.864097	DOWN	394.8716	394.8693	394.8741	9.9	9.779267
9484	M207T10_	1.259126	0.332423	0.661293	0.539731	0.864098	UP	207.2611	207.2611	207.2612	9.81635	9.699733

9485	M795T30	1.249263	0.321077	0.648986	0.53984	0.864098	UP	794.5742	794.5717	794.5755	30.22225	30.18017
9486	M1430T10	1.303294	-0.38216	-0.64004	0.540119	0.8641	DOWN	1429.891	1429.888	1429.892	9.91875	9.900133
9487	M255T10_	1.146044	-0.19666	-0.64324	0.540142	0.8641	DOWN	255.1871	255.1869	255.1872	9.958617	9.843367
9488	M342T11_	2.331196	1.221071	0.661058	0.540219	0.8641	UP	342.2751	342.2745	342.2753	10.61788	10.55068
9489	M308T10_	1.108317	0.148371	0.640731	0.540251	0.864101	UP	308.1486	308.1483	308.1488	9.954767	9.843367
9490	M360T11_	1.134153	0.181615	0.643718	0.540331	0.864101	UP	360.4971	360.4968	360.4981	10.91381	10.90197
9491	M332T10_	1.030126	-0.04282	-0.64473	0.540404	0.864101	DOWN	332.1104	332.1101	332.111	9.825492	9.715683
9492	M316T38_	1.033924	-0.04813	-0.64511	0.540417	0.864101	DOWN	316.1753	316.1751	316.1754	37.57533	37.51533
9493	M359T40	1.159645	-0.21368	-0.64151	0.540492	0.864102	DOWN	359.2062	359.206	359.2064	39.97817	39.74767
9494	M997T11	1.092072	-0.12707	-0.64258	0.540593	0.864102	DOWN	997.2359	997.2353	997.2366	10.89954	10.88747
9495	M277T11_	1.109367	-0.14974	-0.6392	0.540608	0.864102	DOWN	277.3436	277.3433	277.3437	10.91289	10.877
9496	M199T9_1	1.327506	0.408719	0.651478	0.540705	0.864103	UP	199.3388	199.3381	199.3391	9.4098	9.250817
9497	M273T43	1.049264	-0.06938	-0.64216	0.540789	0.864103	DOWN	273.1693	273.1692	273.1694	43.1575	43.07083
9498	M593T10_	1.278565	0.354526	0.639341	0.54086	0.864104	UP	593.0413	593.0409	593.0429	9.970617	9.859233
9499	M637T10_	1.23905	0.309234	0.664296	0.540875	0.864104	UP	636.7993	636.7987	636.8021	9.823575	9.728083
9500	M403T9_1	1.23407	-0.30342	-0.65247	0.540886	0.864104	DOWN	402.7445	402.7441	402.7447	9.451883	9.355317
9501	M452T9_8	1.514598	0.598935	0.638757	0.540997	0.864105	UP	452.4352	452.4286	452.4407	9.242292	9.11405
9502	M276T9_1	1.401056	-0.48651	-0.65064	0.541057	0.864105	DOWN	275.5133	275.5131	275.5136	8.837567	8.697767
9503	M671T25	1.114755	-0.15673	-0.63811	0.54124	0.864106	DOWN	670.5097	670.5093	670.5104	25.21042	25.19967
9504	M219T11_	1.175881	0.233742	0.643167	0.541332	0.864106	UP	219.1626	219.1623	219.1628	10.94178	10.89355
9505	M1981T10	1.153653	-0.20621	-0.64343	0.541406	0.864107	DOWN	1981.056	1981.055	1981.059	9.839008	9.715683
9506	M352T10_	1.209569	0.274493	0.661061	0.541416	0.864107	UP	352.2533	352.2532	352.2534	9.880375	9.7124
9507	M310T11_	1.105441	-0.14462	-0.63793	0.541431	0.864107	DOWN	309.5309	309.5307	309.5316	10.892	10.8646
9508	M408T9_2	1.251637	-0.32382	-0.63963	0.541491	0.864107	DOWN	407.7613	407.761	407.7615	9.457083	9.38595
9509	M296T10_	1.231158	-0.30002	-0.63846	0.541664	0.864108	DOWN	296.2919	296.2918	296.2921	9.509033	9.40135
9510	M439T10_	1.187273	-0.24765	-0.6411	0.541714	0.864108	DOWN	439.0443	439.044	439.0446	9.914217	9.811217
9511	M520T41_	1.407393	0.493025	0.657884	0.54193	0.86411	UP	520.2749	520.2745	520.2751	40.94217	40.8845
9512	M246T10_	1.184874	0.244733	0.658813	0.541945	0.86411	UP	246.3933	246.3932	246.3935	9.984083	9.8753
9513	M469T27_	1.256475	-0.32938	-0.63985	0.54202	0.86411	DOWN	468.6629	468.6626	468.6632	26.84775	26.8385
9514	M484T10_	1.164631	-0.21987	-0.63776	0.542031	0.86411	DOWN	483.8845	483.884	483.8856	9.970617	9.822117
9515	M721T10_	1.139251	0.188086	0.648902	0.542051	0.86411	UP	721.3113	721.3099	721.3119	9.823575	9.699733
9516	M546T40_	1.219788	-0.28663	-0.66509	0.542125	0.864111	DOWN	546.3268	546.3267	546.3272	40.32333	40.16717
9517	M306T10_	1.09847	-0.1355	-0.65558	0.542164	0.864111	DOWN	305.5609	305.5607	305.5611	9.958617	9.859233
9518	M380T11_	1.145192	-0.19559	-0.63648	0.542253	0.864111	DOWN	380.1526	380.1524	380.1538	10.90628	10.88747
9519	M355T9_3	1.255778	0.328581	0.636971	0.542269	0.864111	UP	355.1513	355.1512	355.1514	9.270833	9.191133



9520	M239T22	1.556984	0.638754	0.662817	0.542287	0.864111	UP	239.1615	239.1613	239.1617	21.76333	21.745
9521	M289T10_	1.142391	-0.19206	-0.64127	0.542388	0.864112	DOWN	289.3629	289.3626	289.3631	9.915583	9.79535
9522	M474T44_	1.157288	-0.21075	-0.64717	0.542402	0.864112	DOWN	474.2695	474.2692	474.2696	44.47308	44.164
9523	M1693T10	1.357201	0.440634	0.66058	0.542539	0.864113	UP	1693.478	1693.474	1693.48	9.8445	9.743667
9524	M543T45	1.046777	0.065954	0.635967	0.542649	0.864113	UP	542.529	542.5287	542.5295	44.8685	44.83967
9525	M553T11_	1.256669	-0.3296	-0.63629	0.542802	0.864114	DOWN	552.6166	552.6161	552.6174	10.89125	10.879
9526	M423T10_	1.358327	0.441831	0.642546	0.542877	0.864115	UP	423.4707	423.4699	423.4711	9.964167	9.859233
9527	M678T10_	1.608177	-0.68543	-0.6365	0.542926	0.864115	DOWN	678.1452	678.1401	678.1483	9.859233	9.79485
9528	M585T23	1.210788	0.275947	0.647267	0.542939	0.864115	UP	584.5607	584.5601	584.5614	22.88592	22.8715
9529	M222T10_	1.226866	-0.29498	-0.64065	0.542995	0.864115	DOWN	222.4017	222.4016	222.4018	9.81635	9.715683
9530	M468T40	1.780505	-0.83229	-0.65876	0.543	0.864115	DOWN	468.4407	468.4402	468.4412	40.15083	40.1365
9531	M439T11_	1.101818	-0.13989	-0.63544	0.543063	0.864116	DOWN	438.7859	438.7858	438.7866	10.89875	10.879
9532	M187T41_	1.398891	-0.48428	-0.65834	0.543209	0.864116	DOWN	187.0962	187.0961	187.0963	41.21567	41.03033
9533	M541T9_1	1.692203	0.758903	0.652664	0.543223	0.864116	UP	540.5152	540.5148	540.5156	9.459117	9.38595
9534	M194T10_	1.18026	-0.2391	-0.64054	0.543242	0.864117	DOWN	193.7731	193.7719	193.7732	9.975142	9.743767
9535	M353T45_	1.026481	-0.03771	-0.6442	0.543279	0.864117	DOWN	353.2321	353.232	353.2322	44.78933	44.653
9536	M628T11_	1.272459	0.347619	0.650004	0.543291	0.864117	UP	628.3522	628.3515	628.3526	10.90657	10.89355
9537	M238T12	1.371067	0.455299	0.63654	0.543331	0.864117	UP	238.1775	238.1773	238.1775	11.95898	11.93173
9538	M333T11_	1.181645	-0.2408	-0.64283	0.54338	0.864117	DOWN	333.1396	333.1391	333.147	10.89128	10.86253
9539	M629T25_	1.321946	0.402663	0.635712	0.543401	0.864117	UP	629.1166	629.1156	629.1172	25.25475	25.17267
9540	M171T10_	1.134487	-0.18204	-0.64108	0.543432	0.864118	DOWN	170.6907	170.6907	170.6908	9.830283	9.715683
9541	M243T11_	1.108241	-0.14827	-0.63443	0.543514	0.864118	DOWN	242.6452	242.6451	242.6453	10.892	10.879
9542	M163T10_	1.094775	-0.13063	-0.63406	0.543764	0.864119	DOWN	163.3208	163.3206	163.3208	9.9351	9.827283
9543	M705T11_	1.104708	-0.14367	-0.63472	0.543795	0.86412	DOWN	704.8077	704.8075	704.8095	10.89875	10.879
9544	M480T20_	1.37539	-0.45984	-0.63399	0.543823	0.86412	DOWN	480.3313	480.3307	480.3318	19.75117	19.73767
9545	M1053T9	1.420492	0.506391	0.637943	0.543952	0.86412	UP	1052.719	1052.717	1052.72	8.66735	8.60815
9546	M313T43_	1.135607	0.183464	0.647263	0.543956	0.86412	UP	313.1643	313.1642	313.1644	43.0995	43.04233
9547	M473T36	1.303553	0.382449	0.634076	0.543988	0.864121	UP	473.3445	473.3442	473.3456	36.194	36.11533
9548	M322T10_	1.176581	-0.2346	-0.64109	0.544008	0.864121	DOWN	321.8899	321.8895	321.8904	9.97385	9.8753
9549	M1404T10	1.277944	0.353825	0.642379	0.544014	0.864121	UP	1403.73	1403.726	1403.731	9.93625	9.843367
9550	M342T11_	1.090218	-0.12462	-0.63373	0.544136	0.864121	DOWN	341.7897	341.7895	341.7899	10.892	10.879
9551	M318T10_	1.332676	-0.41433	-0.63376	0.544152	0.864121	DOWN	318.3963	318.3962	318.3963	9.96095	9.946367
9552	M264T11_	1.258904	-0.33217	-0.63694	0.544195	0.864122	DOWN	263.5333	263.5296	263.5335	10.89958	10.83417
9553	M316T24_	1.216313	-0.28252	-0.6333	0.544262	0.864122	DOWN	315.6306	315.6304	315.6307	24.12667	24.08817
9554	M552T22	1.168795	-0.22502	-0.63335	0.544281	0.864122	DOWN	552.3296	552.3293	552.3303	22.383	22.3815

9555	M928T10_	1.109555	0.149981	0.633216	0.544607	0.864124	UP	927.663	927.6626	927.6634	10.16706	10.08517
9556	M1764T10	1.201586	0.26494	0.635815	0.544622	0.864124	UP	1764.319	1764.313	1764.325	9.830083	9.699733
9557	M907T26_	1.110059	-0.15064	-0.6349	0.544768	0.864125	DOWN	906.6367	906.6362	906.6369	26.2875	26.247
9558	M760T10_	1.237464	0.307387	0.635218	0.544782	0.864125	UP	759.5264	759.5255	759.5275	9.964258	9.843367
9559	M358T11_	1.142212	-0.19183	-0.63885	0.544803	0.864125	DOWN	357.9087	357.9083	357.9089	10.89193	10.85018
9560	M563T9_1	1.187762	-0.24825	-0.63229	0.544838	0.864125	DOWN	562.5637	562.5635	562.5642	9.451883	9.370583
9561	M467T10_	1.738501	0.797844	0.652124	0.544849	0.864125	UP	466.7555	466.7553	466.756	9.967367	9.859233
9562	M579T32	1.100937	-0.13873	-0.65681	0.544996	0.864126	DOWN	579.2929	579.2925	579.2932	32.4745	32.46017
9563	M355T45	1.178783	0.237298	0.631873	0.545138	0.864127	UP	355.2113	355.2111	355.2114	44.83267	44.58083
9564	M835T22_	1.080049	-0.1111	-0.63605	0.54521	0.864127	DOWN	834.5787	834.5784	834.5792	21.53683	21.52267
9565	M313T9_6	1.431599	0.517628	0.655955	0.545266	0.864127	UP	313.0881	313.0874	313.0886	9.2585	9.1587
9566	M359T10_	1.391206	-0.47634	-0.65622	0.545317	0.864128	DOWN	359.1126	359.1122	359.1128	9.82645	9.715683
9567	M241T11_	1.076196	-0.10594	-0.63747	0.54535	0.864128	DOWN	241.274	241.2738	241.2742	10.94603	10.90785
9568	M446T10_	1.081468	-0.11299	-0.63187	0.545365	0.864128	DOWN	446.2012	446.2009	446.2021	9.888425	9.743767
9569	M686T9_2	1.269221	-0.34394	-0.63143	0.545374	0.864128	DOWN	686.0701	686.0694	686.0703	9.314442	9.219483
9570	M461T24	1.314233	0.394221	0.633651	0.545529	0.864129	UP	461.3079	461.3067	461.308	24.23283	24.1925
9571	M712T11_	1.188501	0.249143	0.631083	0.545592	0.864129	UP	712.3892	712.3889	712.3903	11.4828	11.47593
9572	M589T11_	1.23599	0.305667	0.649269	0.545696	0.86413	UP	589.4164	589.4154	589.4166	10.86046	10.8214
9573	M233T11_	1.20812	-0.27276	-0.63195	0.545727	0.86413	DOWN	233.0781	233.0781	233.0783	10.50338	10.4882
9574	M562T44_	1.120624	0.164302	0.643527	0.545733	0.86413	UP	562.3219	562.3216	562.3221	44.26467	44.09217
9575	M344T18	1.329448	-0.41083	-0.63746	0.545739	0.86413	DOWN	343.9101	343.9099	343.9103	18.0635	18.055
9576	M971T11	1.191981	-0.25336	-0.63286	0.54582	0.86413	DOWN	971.2494	971.2479	971.2515	10.92225	10.90197
9577	M242T11_	1.09463	-0.13044	-0.63087	0.54588	0.864131	DOWN	242.3746	242.3746	242.3748	10.892	10.879
9578	M529T9_7	1.281174	0.357467	0.65471	0.545965	0.864131	UP	529.473	529.4715	529.4778	9.351292	9.23175
9579	M552T10_	1.379631	0.464283	0.645648	0.54598	0.864131	UP	552.1808	552.1797	552.1814	9.946892	9.859233
9580	M398T12_	1.122858	0.167176	0.639442	0.546129	0.864132	UP	398.365	398.3641	398.3652	11.60763	11.58417
9581	M1050T10	1.05098	-0.07174	-0.63272	0.546135	0.864132	DOWN	1050.269	1050.268	1050.271	9.855658	9.747533
9582	M360T9_5	1.116345	-0.15878	-0.63381	0.546141	0.864132	DOWN	359.7809	359.7788	359.7828	9.382592	9.219483
9583	M355T19_	1.149861	-0.20146	-0.64324	0.546149	0.864132	DOWN	355.2377	355.2375	355.2379	18.70217	18.6895
9584	M1166T9_	1.132407	-0.17939	-0.63063	0.546167	0.864132	DOWN	1165.749	1165.747	1165.751	8.96255	8.892117
9585	M870T10_	1.08488	-0.11754	-0.63131	0.546187	0.864132	DOWN	869.8564	869.8554	869.8566	9.94785	9.827283
9586	M389T10_	1.209747	0.274705	0.652571	0.546275	0.864133	UP	388.6649	388.6646	388.6651	9.934533	9.827283
9587	M165T10_	1.232598	-0.3017	-0.6331	0.546429	0.864134	DOWN	165.2694	165.269	165.2697	9.939233	9.827283
9588	M318T10_	1.152838	-0.20519	-0.64433	0.54683	0.864136	DOWN	318.2668	318.2653	318.267	9.982183	9.772883
9589	M824T10_	1.16008	0.214225	0.630689	0.546841	0.864136	UP	824.3716	824.3704	824.3725	9.975217	9.859233

9590	M829T9_2	1.327851	-0.40909	-0.62926	0.546858	0.864136	DOWN	828.6534	828.6525	828.6537	9.46855	9.40135
9591	M697T10_	1.186866	-0.24716	-0.63589	0.546866	0.864136	DOWN	697.4425	697.4421	697.4432	9.839008	9.73145
9592	M354T11_	1.226021	-0.29398	-0.62902	0.546903	0.864136	DOWN	353.861	353.8608	353.8651	10.90442	10.85838
9593	M359T10_	1.951593	0.964652	0.654006	0.546956	0.864136	UP	358.7192	358.7185	358.7283	9.5812	9.54805
9594	M321T14	1.252622	0.324951	0.638056	0.546969	0.864136	UP	321.217	321.2165	321.2177	14.07725	14.01972
9595	M661T10_	1.155367	0.208351	0.633573	0.546972	0.864136	UP	660.8901	660.8895	660.8982	10.13865	9.887133
9596	M221T10_	1.183127	0.242604	0.629794	0.547109	0.864137	UP	220.8757	220.8756	220.8758	9.949233	9.827283
9597	M924T22	1.184841	-0.24469	-0.62849	0.547206	0.864138	DOWN	923.6348	923.6347	923.6354	22.42617	22.4105
9598	M222T10_	1.19428	0.256141	0.631967	0.547254	0.864138	UP	222.3978	222.3975	222.3979	9.975217	9.859233
9599	M382T11_	1.092483	-0.12761	-0.63106	0.547257	0.864138	DOWN	382.0026	382.0023	382.0032	10.90659	10.879
9600	M744T10_	1.106395	-0.14587	-0.63077	0.547292	0.864138	DOWN	743.906	743.9058	743.9062	10.11782	10.0118
9601	M373T10_	1.095229	-0.13123	-0.63047	0.547322	0.864138	DOWN	373.4718	373.4716	373.472	9.957333	9.843367
9602	M369T10_	1.119043	-0.16227	-0.63133	0.54733	0.864138	DOWN	368.8377	368.8375	368.8378	9.902483	9.811217
9603	M326T10_	1.406552	0.492163	0.640661	0.547446	0.864139	UP	326.4523	326.4521	326.4525	9.956867	9.859233
9604	M618T16	1.116289	-0.15871	-0.63094	0.54747	0.864139	DOWN	618.4667	618.4664	618.467	15.56626	15.53263
9605	M633T11_	1.197829	0.260421	0.642998	0.547504	0.864139	UP	632.7111	632.71	632.7117	10.59062	10.56032
9606	M392T10_	1.16986	-0.22634	-0.63023	0.547531	0.864139	DOWN	392.1669	392.1665	392.1674	9.851467	9.699733
9607	M1112T10	1.120102	-0.16363	-0.62845	0.547549	0.864139	DOWN	1111.61	1111.609	1111.611	9.667392	9.541483
9608	M189T9_4	1.154663	-0.20747	-0.6279	0.547593	0.86414	DOWN	188.7462	188.7459	188.7468	9.212842	9.12675
9609	M467T22	1.340739	0.423029	0.627984	0.547669	0.86414	UP	467.3478	467.3465	467.3481	21.673	21.65233
9610	M432T11_	1.162826	-0.21764	-0.63498	0.547676	0.86414	DOWN	431.8405	431.8403	431.8407	11.41762	11.3951
9611	M242T10_	1.16239	-0.21709	-0.63164	0.547731	0.86414	DOWN	242.3882	242.3862	242.3883	9.88865	9.636483
9612	M187T9_6	1.289188	-0.36646	-0.62865	0.547738	0.86414	DOWN	187.4444	187.4439	187.4449	9.197733	9.1322
9613	M728T11_	1.152539	-0.20482	-0.6306	0.547762	0.864141	DOWN	728.365	728.3645	728.3654	10.90393	10.8646
9614	M560T10_	1.183614	-0.2432	-0.64162	0.547806	0.864141	DOWN	559.7563	559.756	559.7565	9.9014	9.874067
9615	M258T11_	1.184618	0.244422	0.629911	0.547892	0.864141	UP	258.2727	258.2726	258.2733	10.8914	10.83252
9616	M361T11_	1.733219	0.793454	0.627319	0.547933	0.864141	UP	361.3811	361.3809	361.3816	10.90393	10.84487
9617	M318T10_	1.066829	-0.09333	-0.64158	0.547975	0.864142	DOWN	317.5802	317.5802	317.5813	9.826875	9.73145
9618	M165T28	1.419857	0.505746	0.6273	0.547993	0.864142	UP	165.0543	165.0542	165.0544	27.94	27.91017
9619	M243T9_8	1.106561	0.146083	0.632038	0.548206	0.864143	UP	243.1174	243.1163	243.1199	9.382625	9.132267
9620	M222T9_4	1.11864	0.161746	0.627343	0.548282	0.864143	UP	221.8501	221.8495	221.851	9.365833	9.26575
9621	M463T11_	1.084932	-0.11761	-0.63021	0.5483	0.864143	DOWN	463.2535	463.2531	463.2536	10.892	10.879
9622	M796T24	1.17471	0.232305	0.62663	0.548362	0.864144	UP	795.5047	795.5037	795.5052	23.623	23.60783
9623	M379T23	1.236738	0.30654	0.629464	0.548521	0.864145	UP	379.267	379.2665	379.2671	22.75567	22.741
9624	M1963T10	1.206096	-0.27034	-0.6329	0.548565	0.864145	DOWN	1963.288	1963.288	1963.289	9.830558	9.715683

9625	M399T10_	1.126468	-0.17181	-0.62627	0.548596	0.864145	DOWN	398.7295	398.7294	398.7297	9.930142	9.827283
9626	M347T23	1.791541	-0.8412	-0.6308	0.548601	0.864145	DOWN	347.2559	347.2554	347.2567	23.06692	23.045
9627	M467T9_1	1.240303	0.310692	0.632806	0.548623	0.864145	UP	467.2344	467.2339	467.2354	9.230225	9.129317
9628	M405T10_	1.158339	0.212058	0.626083	0.548712	0.864146	UP	405.2459	405.2457	405.2461	10.47857	10.40882
9629	M617T16	1.109188	-0.1495	-0.62854	0.548722	0.864146	DOWN	617.4633	617.4629	617.4637	15.56626	15.54018
9630	M690T10_	1.166891	-0.22267	-0.63208	0.548759	0.864146	DOWN	690.4025	690.4011	690.4038	9.523383	9.40135
9631	M367T11_	1.167564	-0.2235	-0.63107	0.548859	0.864146	DOWN	366.5998	366.5994	366.6039	10.90765	10.88747
9632	M496T37	1.18132	-0.2404	-0.62615	0.548896	0.864147	DOWN	496.3839	496.3835	496.3841	37.3885	37.374
9633	M839T11	1.135751	-0.18365	-0.62806	0.548965	0.864147	DOWN	839.4727	839.4725	839.4736	10.64246	10.629
9634	M319T11_	1.133071	-0.18024	-0.6325	0.549031	0.864147	DOWN	319.359	319.3587	319.3594	10.90553	10.879
9635	M243T18	1.210703	-0.27585	-0.63161	0.549062	0.864147	DOWN	243.1564	243.1562	243.1569	18.09183	18.009
9636	M212T10_	1.150562	-0.20234	-0.63761	0.549085	0.864148	DOWN	212.4694	212.4686	212.4699	9.830833	9.715683
9637	M639T10_	1.134058	-0.18149	-0.63538	0.549087	0.864148	DOWN	639.0334	639.033	639.034	9.943183	9.843367
9638	M294T12	1.091965	-0.12693	-0.62781	0.549106	0.864148	DOWN	294.2062	294.2061	294.2063	12.25186	12.23755
9639	M1142T10	1.492549	0.577779	0.643314	0.549172	0.864148	UP	1142.132	1142.128	1142.133	9.847125	9.787633
9640	M229T11_	1.358066	-0.44155	-0.62639	0.549245	0.864148	DOWN	229.2282	229.2277	229.229	10.89907	10.88995
9641	M360T10_	1.083397	0.115562	0.628916	0.549286	0.864149	UP	360.42	360.4197	360.4205	9.930908	9.811217
9642	M206T9_5	1.273203	0.348463	0.626233	0.549383	0.864149	UP	205.6044	205.6043	205.6048	9.303492	9.147367
9643	M369T11_	1.137417	0.185761	0.630194	0.549428	0.864149	UP	369.4234	369.4233	369.4236	10.89193	10.877
9644	M398T40_	1.353723	-0.43693	-0.65252	0.549563	0.86415	DOWN	398.2381	398.2381	398.2382	39.81975	39.69033
9645	M378T38_	1.450258	-0.53631	-0.62472	0.549565	0.86415	DOWN	378.2483	378.2481	378.2486	38.338	38.26583
9646	M305T25	1.075004	-0.10434	-0.63117	0.549585	0.86415	DOWN	305.2878	305.2876	305.2879	24.6955	24.68133
9647	M387T10_	1.193678	0.255413	0.644053	0.549636	0.86415	UP	386.8378	386.8371	386.8383	9.930908	9.827283
9648	M509T9_4	1.368258	-0.45234	-0.62453	0.549689	0.864151	DOWN	509.3927	509.3922	509.3928	9.438833	9.38595
9649	M422T31	1.27152	-0.34655	-0.62811	0.549709	0.864151	DOWN	421.8305	421.8301	421.8307	31.27717	31.2625
9650	M235T9_4	1.250587	-0.32261	-0.62529	0.549948	0.864152	DOWN	234.8368	234.8337	234.8388	9.29345	9.11795
9651	M1940T10	1.130639	-0.17714	-0.62402	0.549994	0.864152	DOWN	1939.842	1939.839	1939.846	9.816183	9.7124
9652	M315T24	1.209139	-0.27398	-0.62415	0.550125	0.864153	DOWN	315.4299	315.4298	315.43	24.12158	24.096
9653	M701T9_2	1.232169	-0.3012	-0.62856	0.550278	0.864154	DOWN	701.2293	701.2288	701.2307	9.317	9.234417
9654	M435T24_	1.24211	-0.31279	-0.62391	0.550289	0.864154	DOWN	434.5081	434.5079	434.5084	23.95	23.9105
9655	M265T10_	1.272741	0.347938	0.62532	0.550291	0.864154	UP	264.515	264.5147	264.5152	9.77435	9.766367
9656	M490T10_	1.112245	-0.15347	-0.63118	0.550349	0.864154	DOWN	490.4896	490.4894	490.4898	9.967367	9.859233
9657	M357T10_	1.833034	-0.87423	-0.64604	0.550483	0.864155	DOWN	356.5317	356.5313	356.532	9.830833	9.6681
9658	M775T22	1.083753	-0.11604	-0.62554	0.550491	0.864155	DOWN	774.5576	774.5572	774.5581	21.744	21.7165
9659	M592T42_	1.230905	-0.29972	-0.64882	0.550494	0.864155	DOWN	592.3325	592.3323	592.3329	42.36633	42.2225

9660	M387T13	1.273182	0.348439	0.648378	0.550505	0.864155	UP	387.2488	387.2488	387.2489	12.99613	12.909
9661	M1093T10	1.212833	0.278381	0.641642	0.550618	0.864156	UP	1092.758	1092.757	1092.759	9.850992	9.747533
9662	M598T10_	1.099023	-0.13622	-0.62712	0.550631	0.864156	DOWN	598.4319	598.4312	598.4364	9.599533	9.253783
9663	M303T10_	1.356292	0.439667	0.644734	0.550634	0.864156	UP	302.5018	302.5015	302.5021	9.9677	9.859233
9664	M729T10_	1.070091	-0.09773	-0.63186	0.550646	0.864156	DOWN	728.8852	728.8846	728.8857	9.830458	9.715683
9665	M379T11_	1.137815	-0.18627	-0.62265	0.550852	0.864157	DOWN	379.1075	379.1074	379.1079	10.90553	10.879
9666	M643T19	1.1046	0.143525	0.632149	0.550866	0.864157	UP	643.4679	643.4672	643.4686	18.64183	18.61433
9667	M537T10_	1.080837	-0.11215	-0.6241	0.550978	0.864157	DOWN	537.3003	537.2999	537.301	9.918792	9.811217
9668	M510T10_	1.187125	-0.24747	-0.6338	0.551002	0.864158	DOWN	509.7369	509.7367	509.7374	9.8207	9.715683
9669	M929T10_	1.110409	0.151091	0.622962	0.55104	0.864158	UP	928.6663	928.6659	928.6665	10.16706	10.08517
9670	M454T9_1	1.585333	0.664786	0.622472	0.55114	0.864158	UP	454.2914	454.2881	454.2978	9.393675	9.11405
9671	M342T10_	1.785266	-0.83614	-0.62473	0.551343	0.864159	DOWN	341.6028	341.602	341.6031	9.819625	9.743667
9672	M1857T10	1.195466	-0.25757	-0.62391	0.551405	0.86416	DOWN	1857.446	1857.445	1857.448	9.847542	9.73145
9673	M671T10_	1.115168	-0.15726	-0.62683	0.551482	0.86416	DOWN	671.0475	671.0469	671.0487	9.851025	9.73145
9674	M395T10_	1.241758	0.312384	0.622132	0.551533	0.86416	UP	394.8028	394.8014	394.8029	10.40882	10.39197
9675	M333T11_	1.13782	-0.18627	-0.62263	0.551665	0.864161	DOWN	333.1934	333.1932	333.1936	11.49698	11.47593
9676	M395T9_3	1.251748	0.323944	0.626656	0.551754	0.864161	UP	395.0107	395.0067	395.0126	9.26575	9.142767
9677	M235T10_	1.100354	-0.13797	-0.62169	0.551755	0.864161	DOWN	235.3639	235.3638	235.364	9.933	9.827283
9678	M204T10_	1.116335	0.15877	0.623502	0.55182	0.864162	UP	204.4415	204.4414	204.4491	9.8207	9.715683
9679	M303T10_	1.116192	0.158586	0.644169	0.551872	0.864162	UP	303.1816	303.1812	303.182	9.967533	9.859233
9680	M400T10_	1.190358	0.251396	0.635408	0.551885	0.864162	UP	400.3482	400.3478	400.3488	9.930908	9.811217
9681	M698T10_	1.149931	0.201547	0.637325	0.551896	0.864162	UP	698.2616	698.2609	698.2622	9.816317	9.715683
9682	M154T11_	1.275335	-0.35088	-0.62172	0.552034	0.864163	DOWN	154.3955	154.3954	154.3957	10.88453	10.86008
9683	M768T12	1.213134	-0.27874	-0.62258	0.552057	0.864163	DOWN	768.4008	768.3996	768.4019	12.20977	12.17992
9684	M187T44_	1.118362	-0.16139	-0.64553	0.552111	0.864163	DOWN	187.0962	187.0961	187.0963	44.2835	44.092
9685	M204T10_	1.12615	0.1714	0.623822	0.552134	0.864163	UP	204.3735	204.3733	204.3736	9.82645	9.715683
9686	M1983T10	1.489484	-0.57481	-0.62185	0.552134	0.864163	DOWN	1983.121	1983.119	1983.122	9.932	9.8914
9687	M477T9_9	1.188376	-0.24899	-0.62931	0.552169	0.864164	DOWN	477.4776	477.4768	477.4826	9.29345	9.129317
9688	M850T11_	1.115121	-0.1572	-0.62206	0.552256	0.864164	DOWN	850.2912	850.2903	850.2947	10.90551	10.879
9689	M194T9_1	1.805355	-0.85228	-0.63928	0.55228	0.864164	DOWN	193.9956	193.9947	193.9967	9.237192	9.061
9690	M428T19_	1.138529	-0.18717	-0.62055	0.552303	0.864164	DOWN	428.2951	428.2941	428.2951	19.16433	19.0965
9691	M341T10_	1.482074	-0.56762	-0.62229	0.552317	0.864164	DOWN	341.0541	341.0539	341.0546	9.938867	9.8914
9692	M524T20_	1.255875	-0.32869	-0.64213	0.552361	0.864165	DOWN	524.3786	524.3777	524.3797	20.47717	20.4475
9693	M159T10_	1.207254	-0.27173	-0.62945	0.552401	0.864165	DOWN	159.3612	159.3611	159.3628	9.778967	9.746783
9694	M389T11_	1.221088	0.288167	0.630329	0.552402	0.864165	UP	389.251	389.251	389.2513	11.11213	11.09168

9695	M818T10_	1.086955	-0.12029	-0.62456	0.552496	0.864165	DOWN	817.944	817.943	817.9459	9.90295	9.79535
9696	M289T20_	1.156662	-0.20997	-0.644	0.552553	0.864166	DOWN	289.1989	289.1988	289.1992	19.6645	19.6415
9697	M518T44_	1.087074	0.120449	0.624599	0.552592	0.864166	UP	518.2956	518.2954	518.2959	43.94817	43.90517
9698	M205T10_	1.186797	-0.24707	-0.63457	0.552704	0.864166	DOWN	204.6068	204.6067	204.6144	9.8207	9.715683
9699	M420T10_	1.191123	0.252322	0.634028	0.552705	0.864166	UP	420.49	420.4897	420.4903	9.930908	9.811217
9700	M417T40	1.286224	-0.36314	-0.63786	0.552729	0.864166	DOWN	417.248	417.2478	417.2482	40.05017	39.6905
9701	M1848T10	1.227656	-0.29591	-0.61985	0.552752	0.864167	DOWN	1848.425	1848.422	1848.427	9.828267	9.715683
9702	M570T10_	1.174081	0.231531	0.623356	0.552763	0.864167	UP	570.4998	570.4992	570.5002	9.957333	9.843367
9703	M639T10_	1.164574	0.219802	0.638452	0.55279	0.864167	UP	639.448	639.4473	639.4498	9.830283	9.715683
9704	M545T11_	1.085719	-0.11865	-0.624	0.552857	0.864167	DOWN	545.3287	545.328	545.3296	10.64445	10.59763
9705	M262T10_	1.205303	-0.2694	-0.62188	0.553008	0.864168	DOWN	261.8441	261.8438	261.8443	9.958617	9.843367
9706	M578T11_	1.083756	-0.11604	-0.62181	0.553044	0.864168	DOWN	577.9202	577.9199	577.9205	10.5188	10.47197
9707	M469T27_	1.301679	-0.38037	-0.62335	0.553149	0.864169	DOWN	468.9973	468.9967	468.9982	26.85367	26.824
9708	M660T10_	1.217294	-0.28368	-0.61919	0.553161	0.864169	DOWN	659.8121	659.8116	659.8127	9.914217	9.811217
9709	M154T10_	1.136247	0.184277	0.621234	0.553171	0.864169	UP	154.2571	154.2569	154.2571	9.9164	9.811217
9710	M1067T10	1.130685	-0.1772	-0.62937	0.553223	0.864169	DOWN	1066.681	1066.68	1066.682	9.964167	9.843367
9711	M373T24	1.522247	0.606203	0.643419	0.553278	0.864169	UP	373.2555	373.2554	373.256	23.79117	23.776
9712	M350T10_	1.402552	0.488055	0.619348	0.553384	0.86417	UP	349.5501	349.5494	349.5504	9.770733	9.758367
9713	M343T20_	1.19004	-0.25101	-0.63408	0.553485	0.86417	DOWN	343.24	343.2399	343.2402	20.25967	20.17233
9714	M446T44_	1.11135	0.152314	0.618515	0.553517	0.864171	UP	446.2382	446.2379	446.2385	43.57467	43.3445
9715	M302T11_	1.110309	-0.15096	-0.62204	0.553603	0.864171	DOWN	302.1184	302.1183	302.1186	10.90551	10.879
9716	M1473T10	1.878663	0.909706	0.641205	0.553608	0.864171	UP	1473.475	1473.471	1473.476	9.974558	9.93625
9717	M1839T10	1.133284	-0.18051	-0.62237	0.553736	0.864172	DOWN	1838.772	1838.771	1838.773	9.82645	9.743667
9718	M251T10_	1.29794	0.376224	0.621154	0.55375	0.864172	UP	250.7335	250.7229	250.7339	9.94455	9.811217
9719	M211T10_	1.062843	-0.08793	-0.62029	0.553779	0.864172	DOWN	210.7747	210.7746	210.7825	9.830183	9.699733
9720	M705T11_	1.093907	-0.12949	-0.61827	0.553846	0.864172	DOWN	704.6285	704.628	704.6303	10.91263	10.877
9721	M249T10_	1.198739	0.261518	0.619443	0.553917	0.864173	UP	249.322	249.3215	249.332	9.972917	9.859233
9722	M295T7_1	1.296247	0.374341	0.643741	0.553937	0.864173	UP	294.9385	294.9384	294.9387	7.3641	7.204733
9723	M286T10_	1.111178	-0.15209	-0.62334	0.553965	0.864173	DOWN	286.3478	286.3476	286.3479	9.95385	9.843367
9724	M328T18	1.25501	-0.3277	-0.62117	0.554035	0.864173	DOWN	328.4762	328.476	328.4767	18.41433	18.37883
9725	M613T9_4	1.2395	0.309759	0.633143	0.554097	0.864174	UP	613.3893	613.3816	613.3902	9.18195	9.126783
9726	M1670T10	1.18176	-0.24094	-0.6172	0.554261	0.864174	DOWN	1669.59	1669.589	1669.591	9.914217	9.811217
9727	M622T42_	1.103223	0.141725	0.625827	0.55432	0.864175	UP	622.3433	622.343	622.3437	42.29433	42.10717
9728	M654T10_	1.077767	-0.10805	-0.62735	0.554323	0.864175	DOWN	653.9649	653.9644	653.9654	9.818525	9.73145
9729	M758T10_	1.217519	-0.28394	-0.61956	0.554334	0.864175	DOWN	758.2348	758.2327	758.2356	9.94455	9.811217

9730	M677T10_	1.149936	-0.20155	-0.62078	0.554372	0.864175	DOWN	677.1019	677.1015	677.1028	9.831242	9.715683
9731	M264T10_	1.310757	-0.3904	-0.62324	0.554377	0.864175	DOWN	264.0575	264.0575	264.0696	9.842	9.649833
9732	M810T11_	1.409536	0.49522	0.639338	0.554393	0.864175	UP	810.3465	810.3436	810.3467	10.93415	10.8214
9733	M419T10_	1.161446	0.215922	0.630572	0.554399	0.864175	UP	419.4488	419.4485	419.449	9.917167	9.811217
9734	M325T9_1	1.133556	-0.18086	-0.63314	0.554414	0.864175	DOWN	325.2464	325.2461	325.2466	9.487467	9.40135
9735	M271T9_6	1.29428	0.37215	0.63973	0.554436	0.864175	UP	270.9459	270.9453	270.9466	9.347667	9.26575
9736	M220T9_8	1.232402	0.301473	0.634726	0.554456	0.864175	UP	219.9043	219.9027	219.9047	9.3114	9.174883
9737	M374T15	1.40643	0.492038	0.617624	0.554499	0.864176	UP	374.1916	374.1914	374.1932	15.42452	15.37912
9738	M731T10_	1.160063	-0.2142	-0.61778	0.554501	0.864176	DOWN	731.1664	731.1657	731.167	9.816317	9.699733
9739	M417T10_	1.295951	-0.37401	-0.61663	0.55464	0.864176	DOWN	417.1195	417.1195	417.1199	9.970617	9.946367
9740	M930T10	1.101824	0.139894	0.616444	0.554743	0.864177	UP	929.6695	929.6692	929.6698	10.16706	10.08517
9741	M479T9_1	1.462299	-0.54824	-0.61696	0.554803	0.864177	DOWN	478.5649	478.5617	478.5677	9.390567	9.13445
9742	M198T13	1.160932	0.215284	0.640587	0.55482	0.864177	UP	198.1487	198.1485	198.1488	12.59533	12.5577
9743	M590T9_4	1.293915	-0.37174	-0.61778	0.554899	0.864178	DOWN	590.3749	590.3744	590.3761	8.796167	8.742633
9744	M1345T10	1.067396	0.094095	0.61619	0.554913	0.864178	UP	1345.406	1345.401	1345.412	9.891925	9.779267
9745	M248T11_	1.157698	-0.21126	-0.61684	0.55505	0.864178	DOWN	247.7685	247.7683	247.7686	10.8926	10.8646
9746	M406T11_	1.116047	-0.1584	-0.61978	0.555098	0.864179	DOWN	406.4637	406.4633	406.4639	10.92593	10.879
9747	M222T9_3	1.198314	-0.26101	-0.61613	0.555122	0.864179	DOWN	221.8261	221.8255	221.8265	9.334033	9.126783
9748	M166T10_	1.205319	-0.26941	-0.61579	0.555148	0.864179	DOWN	165.5992	165.599	165.5992	9.918833	9.811217
9749	M341T10_	1.091482	-0.12629	-0.623	0.555154	0.864179	DOWN	340.5507	340.5503	340.551	9.844758	9.73145
9750	M472T10_	1.140939	-0.19022	-0.62182	0.555163	0.864179	DOWN	472.3998	472.3992	472.4001	9.964092	9.843367
9751	M338T10_	1.298934	0.377328	0.616406	0.55529	0.86418	UP	338.3276	338.3274	338.3276	9.523633	9.416817
9752	M179T9_2	1.167497	0.223419	0.633621	0.555295	0.86418	UP	178.8496	178.8493	178.8503	9.358417	9.24215
9753	M178T10_	1.211116	-0.27634	-0.61997	0.555396	0.86418	DOWN	177.7263	177.7262	177.7263	9.972483	9.9009
9754	M658T10_	1.206326	0.27062	0.627107	0.555409	0.86418	UP	658.3851	658.3848	658.3861	10.39752	10.34372
9755	M621T10_	1.047409	-0.06683	-0.62291	0.555416	0.86418	DOWN	620.5113	620.511	620.5118	10.28872	10.21468
9756	M744T9_3	1.158399	-0.21213	-0.61739	0.555428	0.86418	DOWN	744.0696	744.0678	744.0703	9.474408	9.370583
9757	M265T11_	1.114889	-0.1569	-0.61714	0.555465	0.864181	DOWN	264.5614	264.5614	264.5619	10.89875	10.8646
9758	M193T9_9	1.32786	0.409103	0.615527	0.555528	0.864181	UP	193.2144	193.2143	193.2145	9.295817	9.1587
9759	M495T10_	1.132667	-0.17972	-0.61873	0.555583	0.864181	DOWN	494.8137	494.8131	494.814	9.568783	9.49445
9760	M1865T10	1.070989	-0.09894	-0.61558	0.555641	0.864181	DOWN	1864.657	1864.656	1864.659	9.82645	9.728083
9761	M327T10_	1.222515	0.289852	0.631437	0.555656	0.864182	UP	326.5914	326.5914	326.5915	9.941642	9.853533
9762	M291T11_	1.122956	0.167301	0.614906	0.555719	0.864182	UP	291.04	291.0399	291.0401	10.93153	10.90553
9763	M533T10_	1.09406	-0.12969	-0.61605	0.555762	0.864182	DOWN	532.596	532.5955	532.5971	9.943183	9.827283
9764	M437T11_	1.097902	-0.13475	-0.61473	0.555838	0.864182	DOWN	437.4912	437.4911	437.4922	10.892	10.879

9765	M412T10_	1.209387	0.274277	0.632405	0.55592	0.864183	UP	411.588	411.5877	411.5881	9.95825	9.859233
9766	M467T10_	1.060277	0.084441	0.621735	0.555985	0.864183	UP	466.8565	466.856	466.8568	9.794742	9.65225
9767	M188T11_	1.33019	-0.41163	-0.61476	0.556007	0.864183	DOWN	187.6997	187.6997	187.7	10.879	10.87708
9768	M203T11_	1.12496	-0.16987	-0.6217	0.556089	0.864184	DOWN	202.9552	202.9552	202.9553	10.90551	10.88747
9769	M442T11_	1.086081	-0.11913	-0.61429	0.556092	0.864184	DOWN	442.3427	442.3424	442.3432	11.30821	11.28597
9770	M486T10_	1.100483	-0.13814	-0.61773	0.556231	0.864184	DOWN	486.3533	486.3531	486.3535	10.1599	10.06883
9771	M661T10_	1.216447	0.282673	0.635181	0.556435	0.864185	UP	660.8158	660.8152	660.8161	9.951283	9.859233
9772	M332T10_	1.047203	0.066542	0.615945	0.55652	0.864186	UP	332.4528	332.4526	332.4534	9.847817	9.73145
9773	M414T16	1.226762	0.294855	0.616494	0.556576	0.864186	UP	414.1657	414.1652	414.1664	16.0998	16.05235
9774	M233T20	1.146126	-0.19677	-0.62438	0.556621	0.864186	DOWN	233.1726	233.1725	233.1728	20.40417	20.40333
9775	M291T10_	1.156265	0.209472	0.619119	0.556683	0.864187	UP	290.5151	290.5124	290.5154	9.956417	9.843367
9776	M496T10_	1.148311	-0.19951	-0.63136	0.556727	0.864187	DOWN	495.7036	495.7031	495.7041	9.942317	9.827283
9777	M674T9_3	1.268021	-0.34258	-0.61874	0.556744	0.864187	DOWN	674.3428	674.3419	674.3449	9.381658	9.30965
9778	M183T9_9	1.480677	0.566257	0.624349	0.556748	0.864187	UP	183.1736	183.1693	183.1747	9.206	9.111033
9779	M732T11_	1.135795	-0.1837	-0.61546	0.556785	0.864187	DOWN	732.1287	732.128	732.129	10.892	10.85838
9780	M380T10_	1.113115	-0.1546	-0.62128	0.5568	0.864187	DOWN	380.3021	380.3014	380.3022	9.650367	9.557333
9781	M292T11_	1.276515	-0.35221	-0.61332	0.55683	0.864187	DOWN	291.7839	291.7838	291.7841	10.94208	10.88995
9782	M157T8	1.127119	-0.17264	-0.61307	0.556852	0.864188	DOWN	157.0833	157.0833	157.0834	8.478133	8.368967
9783	M188T9_1	1.286692	-0.36367	-0.61306	0.556878	0.864188	DOWN	188.4405	188.4402	188.4408	9.166033	9.126783
9784	M551T10_	1.455402	0.541418	0.635971	0.556905	0.864188	UP	551.3794	551.3788	551.3798	9.642633	9.556217
9785	M741T10_	1.148136	-0.19929	-0.62117	0.556984	0.864188	DOWN	740.9265	740.9255	740.9269	10.11541	10.02042
9786	M921T10_	1.24068	0.311131	0.624575	0.557065	0.864189	UP	920.6938	920.6934	920.6947	9.933	9.811217
9787	M327T42_	1.270609	-0.34552	-0.61908	0.557122	0.864189	DOWN	327.2163	327.2162	327.2165	42.09283	42.021
9788	M418T39	1.087165	0.120571	0.618954	0.557123	0.864189	UP	418.2796	418.2795	418.2798	39.38833	39.17233
9789	M399T31_	1.687504	-0.75489	-0.61384	0.557164	0.864189	DOWN	399.2355	399.2306	399.2392	31.13325	31.062
9790	M504T28_	1.230682	-0.29946	-0.61333	0.557257	0.86419	DOWN	503.8863	503.8858	503.8865	28.38933	28.362
9791	M1015T12	1.117104	-0.15976	-0.62892	0.557328	0.86419	DOWN	1015.458	1015.458	1015.458	12.47125	12.45587
9792	M700T10_	1.151452	-0.20345	-0.61292	0.557338	0.86419	DOWN	700.0558	700.0553	700.0579	9.939283	9.843367
9793	M202T9_7	1.253253	-0.32568	-0.62022	0.557363	0.86419	DOWN	201.8668	201.8665	201.8673	9.419733	9.26575
9794	M313T10_	1.20488	0.26889	0.637017	0.557458	0.864191	UP	312.6991	312.6988	312.6994	9.8207	9.728083
9795	M567T10_	1.163686	-0.2187	-0.61393	0.557539	0.864191	DOWN	567.1927	567.1921	567.193	9.988125	9.9009
9796	M1136T10	1.145323	-0.19575	-0.62336	0.557576	0.864191	DOWN	1135.726	1135.725	1135.728	9.8322	9.715683
9797	M474T10_	1.338222	0.420317	0.623434	0.557587	0.864191	UP	473.5733	473.5731	473.5741	9.761783	9.665433
9798	M203T8_3	1.257222	0.330239	0.618764	0.557649	0.864192	UP	203.1832	203.1832	203.1834	8.256033	8.10135
9799	M351T9_1	1.289376	0.366673	0.625339	0.557655	0.864192	UP	351.2222	351.2201	351.2275	9.065125	8.8486



9800	M678T10_	1.210276	-0.27534	-0.6142	0.55768	0.864192	DOWN	678.1867	678.1861	678.1881	9.944392	9.843367
9801	M388T10_	1.184393	0.244148	0.630383	0.557706	0.864192	UP	387.66	387.6597	387.6603	9.929017	9.811217
9802	M669T11	1.273879	0.349228	0.616296	0.557954	0.864203	UP	669.0603	669.0602	669.0608	10.89125	10.879
9803	M542T9_2	1.300019	0.378532	0.626073	0.558092	0.864209	UP	541.7247	541.7244	541.7252	9.3907	9.340183
9804	M589T11_	1.183651	0.243244	0.625194	0.558097	0.864209	UP	589.4131	589.4122	589.4135	10.52067	10.47223
9805	M739T10_	1.117723	-0.16056	-0.61322	0.558192	0.864214	DOWN	738.9507	738.9498	738.9511	10.11868	10.03658
9806	M323T10_	1.102707	-0.14105	-0.61313	0.5582	0.864214	DOWN	322.8766	322.8762	322.8767	9.942317	9.827283
9807	M1047T10	1.020637	0.029469	0.616084	0.558248	0.864216	UP	1046.986	1046.985	1046.988	9.842325	9.747533
9808	M495T9_1	1.454722	0.540743	0.632901	0.558368	0.864222	UP	495.4139	495.4127	495.4146	9.371842	9.16125
9809	M268T9_5	1.158587	-0.21237	-0.63062	0.558384	0.864222	DOWN	268.3493	268.3484	268.3497	9.365833	9.279417
9810	M205T10_	1.123113	0.167504	0.615844	0.558477	0.864226	UP	204.6809	204.6806	204.6819	9.81635	9.715683
9811	M685T9_1	1.488093	-0.57347	-0.61055	0.558509	0.864228	DOWN	684.6929	684.6925	684.6936	9.325333	9.275917
9812	M366T11_	1.192797	-0.25435	-0.61293	0.558586	0.864231	DOWN	365.9537	365.9535	365.9539	10.90548	10.8646
9813	M486T10_	1.203612	0.26737	0.609594	0.559075	0.864253	UP	485.8916	485.8911	485.8916	9.967367	9.8914
9814	M225T10_	1.179392	-0.23804	-0.61022	0.559128	0.864255	DOWN	225.3842	225.3755	225.3843	9.902008	9.79535
9815	M644T12	1.185876	-0.24595	-0.62651	0.559147	0.864256	DOWN	644.4755	644.4747	644.476	12.26278	12.22265
9816	M887T10_	1.066157	-0.09242	-0.61107	0.559161	0.864257	DOWN	886.6666	886.6654	886.6672	9.918792	9.811217
9817	M399T10_	1.159507	0.213512	0.622958	0.559202	0.864259	UP	399.3809	399.3804	399.3815	9.917167	9.811217
9818	M233T11_	1.08663	-0.11986	-0.61603	0.55931	0.864263	DOWN	233.4536	233.4534	233.4557	10.9062	10.879
9819	M350T36	1.207594	0.272135	0.634079	0.559371	0.864266	UP	350.2172	350.217	350.2307	36.27733	36.04983
9820	M235T10_	1.068733	-0.0959	-0.60995	0.55947	0.864271	DOWN	234.9277	234.9275	234.9278	9.924308	9.811217
9821	M422T9_2	1.599549	0.677665	0.62877	0.559473	0.864271	UP	422.0891	422.0886	422.0894	9.459117	9.40135
9822	M332T10_	1.131456	0.17818	0.629642	0.559522	0.864273	UP	332.2673	332.2671	332.2675	9.823575	9.715683
9823	M615T10_	1.251991	0.324224	0.614009	0.559575	0.864275	UP	615.0591	615.0583	615.0598	9.9677	9.8753
9824	M648T45	1.132172	-0.17909	-0.61602	0.559598	0.864276	DOWN	647.9435	647.9427	647.944	44.8325	44.73933
9825	M342T10_	1.19214	-0.25355	-0.61641	0.559598	0.864276	DOWN	341.6829	341.6828	341.6833	9.825767	9.715683
9826	M386T11_	1.15313	0.205555	0.619112	0.559614	0.864277	UP	386.3488	386.3486	386.349	10.89875	10.879
9827	M325T10_	1.401021	-0.48648	-0.62304	0.559696	0.864281	DOWN	324.5504	324.5504	324.5506	9.838108	9.73145
9828	M754T10_	1.20459	0.268542	0.611129	0.559739	0.864283	UP	753.5325	753.5316	753.5345	9.933567	9.811217
9829	M356T9_3	1.243247	-0.31411	-0.60852	0.559763	0.864284	DOWN	356.1946	356.1943	356.195	8.9519	8.857533
9830	M420T35_	1.121338	0.165221	0.610333	0.560053	0.864296	UP	420.2226	420.2223	420.2229	35.34083	35.29967
9831	M398T9_4	1.139355	-0.18822	-0.61331	0.560187	0.864302	DOWN	398.0529	398.0523	398.054	9.29345	9.129317
9832	M492T17	1.272046	-0.34715	-0.62909	0.560374	0.864311	DOWN	492.34	492.3393	492.3405	16.69483	16.67983
9833	M415T23	1.088003	0.121682	0.607977	0.560566	0.864319	UP	415.2111	415.2108	415.2114	22.85692	22.82817
9834	M282T10_	1.095317	0.131348	0.626639	0.560632	0.864322	UP	282.1229	282.1228	282.123	9.864467	9.73145

9835	M434T9_1	1.291414	0.368952	0.627881	0.560751	0.864327	UP	433.518	433.5177	433.5183	9.277833	9.129317
9836	M348T3_2	1.265171	-0.33933	-0.60707	0.560789	0.864329	DOWN	348.2564	348.2562	348.2564	3.402667	3.2799
9837	M197T10_	1.291866	0.369457	0.613421	0.560794	0.864329	UP	196.8613	196.8543	196.8617	9.865467	9.65225
9838	M1225T10_	1.130363	-0.17679	-0.62046	0.560806	0.86433	DOWN	1224.741	1224.74	1224.742	9.8207	9.772833
9839	M534T11	1.180427	-0.23931	-0.61544	0.560812	0.86433	DOWN	533.6738	533.673	533.6741	10.55593	10.45613
9840	M158T16	1.104383	-0.14324	-0.60773	0.560887	0.864333	DOWN	158.1536	158.1536	158.1537	15.80467	15.71147
9841	M162T10_	1.165655	-0.22114	-0.61414	0.560904	0.864334	DOWN	161.983	161.9829	161.9831	9.915933	9.811217
9842	M318T9_1	1.22853	-0.29693	-0.61106	0.560984	0.864338	DOWN	318.2288	318.2236	318.2292	9.25985	9.129317
9843	M167T9_4	1.301628	-0.38032	-0.60773	0.561054	0.864341	DOWN	166.7536	166.7533	166.7539	9.161142	9.132267
9844	M417T11_	1.172555	-0.22966	-0.60666	0.561092	0.864342	DOWN	416.6557	416.6529	416.657	10.91497	10.87487
9845	M821T11_	1.117527	-0.16031	-0.61689	0.56111	0.864343	DOWN	821.4681	821.4675	821.469	10.89923	10.873
9846	M343T11_	1.112893	-0.15432	-0.60802	0.561167	0.864346	DOWN	342.7619	342.7617	342.7623	10.892	10.8646
9847	M439T11_	1.063839	0.08928	0.606974	0.56121	0.864348	UP	438.6981	438.698	438.6987	10.90659	10.879
9848	M316T9_5	1.418553	-0.50442	-0.60988	0.561222	0.864348	DOWN	316.3322	316.3319	316.3323	9.362817	9.250817
9849	M584T9_2	1.493904	-0.57909	-0.61071	0.561256	0.86435	DOWN	583.8426	583.8422	583.8428	9.333667	9.275917
9850	M327T45_	1.124879	0.16977	0.623262	0.561343	0.864354	UP	327.18	327.1799	327.1801	44.95467	44.77217
9851	M352T10_	1.275578	0.351151	0.609549	0.561388	0.864356	UP	351.9785	351.9784	351.9787	9.818442	9.715683
9852	M1435T10_	1.168918	-0.22517	-0.60901	0.561418	0.864357	DOWN	1434.549	1434.546	1434.55	9.95385	9.869467
9853	M461T10_	1.242248	0.312953	0.61056	0.561422	0.864357	UP	460.5591	460.5589	460.5595	9.964167	9.8753
9854	M717T10_	1.125064	-0.17001	-0.61209	0.561603	0.864365	DOWN	716.9373	716.9362	716.9379	10.0702	9.988
9855	M624T45_	1.054794	-0.07696	-0.61406	0.561606	0.864365	DOWN	624.456	624.4559	624.4564	44.9835	44.98283
9856	M682T9_2	1.240281	-0.31067	-0.60558	0.561756	0.864372	DOWN	682.322	682.3152	682.3233	9.16125	9.0839
9857	M187T10_	1.058409	-0.0819	-0.60559	0.561775	0.864373	DOWN	186.7609	186.7608	186.7612	9.935675	9.827283
9858	M327T9_2	1.082674	0.114599	0.612451	0.561843	0.864376	UP	326.8505	326.8503	326.8506	9.191283	9.12675
9859	M619T19_	1.537483	-0.62057	-0.60521	0.561868	0.864377	DOWN	619.45	619.439	619.4509	18.64583	18.6355
9860	M350T43_	1.113981	-0.15573	-0.61425	0.561961	0.864381	DOWN	350.217	350.217	350.2172	42.58192	42.5245
9861	M481T10_	1.150848	-0.2027	-0.60626	0.562045	0.864385	DOWN	480.6863	480.6854	480.6864	9.985117	9.859233
9862	M350T10_	1.161439	0.215914	0.627045	0.562113	0.864388	UP	350.3578	350.3571	350.3581	9.830283	9.728083
9863	M278T10_	1.099048	-0.13625	-0.60465	0.562171	0.86439	DOWN	278.1401	278.1398	278.1405	9.957333	9.843367
9864	M370T9_9	1.374748	0.459167	0.617384	0.562243	0.864393	UP	370.331	370.329	370.3312	9.264333	9.262217
9865	M393T9_1	1.383275	0.468088	0.615985	0.562257	0.864394	UP	393.4964	393.4958	393.498	9.154525	9.11405
9866	M358T10_	1.12167	-0.16565	-0.62528	0.562265	0.864394	DOWN	357.5015	357.5012	357.5019	9.839008	9.715683
9867	M361T11_	1.198607	-0.26136	-0.60488	0.562578	0.864408	DOWN	361.2011	361.201	361.2014	11.13999	11.10768
9868	M952T26	1.131016	-0.17762	-0.60695	0.562632	0.86441	DOWN	951.666	951.6657	951.6668	26.30583	26.25133
9869	M267T9_1	1.431351	-0.51738	-0.61205	0.562652	0.864411	DOWN	266.5551	266.554	266.5652	9.08685	8.909

9870	M462T10_	1.153346	-0.20583	-0.61006	0.562654	0.864411	DOWN	461.7064	461.7061	461.7073	9.975217	9.8753
9871	M177T43	1.165854	0.221388	0.618579	0.562726	0.864415	UP	177.1271	177.1271	177.1272	42.8555	42.55333
9872	M486T11_	1.115353	-0.1575	-0.60709	0.562797	0.864418	DOWN	486.2195	486.219	486.2199	10.91978	10.90548
9873	M220T10_	1.414659	-0.50045	-0.60654	0.562806	0.864418	DOWN	219.8177	219.81	219.8182	9.82645	9.7124
9874	M308T10_	1.121705	0.165693	0.606194	0.562844	0.86442	UP	308.4548	308.4545	308.4549	9.94785	9.827283
9875	M342T9_1	1.218074	0.284602	0.626737	0.562913	0.864423	UP	341.5844	341.5843	341.5846	9.311167	9.219483
9876	M200T9_4	1.236931	-0.30676	-0.60376	0.563031	0.864428	DOWN	199.567	199.5661	199.5671	9.330708	9.1428
9877	M190T10_	1.114677	-0.15663	-0.61566	0.563069	0.86443	DOWN	190.2005	190.2003	190.2077	9.985733	9.8753
9878	M650T10_	1.125675	-0.17079	-0.61803	0.563092	0.864431	DOWN	650.2683	650.2671	650.2695	9.872925	9.746783
9879	M1329T11	1.104534	-0.14344	-0.60453	0.563107	0.864431	DOWN	1329.385	1329.383	1329.388	10.90657	10.879
9880	M209T10_	1.127764	-0.17346	-0.60981	0.563156	0.864433	DOWN	209.2326	209.2324	209.2326	9.979342	9.8753
9881	M176T9_6	1.240495	0.310916	0.604264	0.563163	0.864434	UP	176.41	176.41	176.4101	9.22495	9.132267
9882	M1869T10	1.134946	-0.18262	-0.60631	0.563205	0.864436	DOWN	1869.215	1869.213	1869.221	9.830833	9.715683
9883	M546T24	1.150182	-0.20186	-0.6127	0.563289	0.864439	DOWN	546.4623	546.4621	546.4631	23.58667	23.57783
9884	M504T10_	1.142429	-0.1921	-0.62084	0.563329	0.864441	DOWN	503.9885	503.9877	503.9886	10.38893	10.34542
9885	M336T9_2	1.444439	-0.53051	-0.60915	0.563346	0.864442	DOWN	335.6326	335.6321	335.6328	9.245792	9.098833
9886	M220T9_4	1.645564	-0.71858	-0.60281	0.563437	0.864446	DOWN	219.784	219.7821	219.7887	9.295167	9.132267
9887	M398T10_	1.135955	-0.18391	-0.60607	0.56349	0.864448	DOWN	397.8089	397.8087	397.8091	9.559017	9.447617
9888	M388T44_	1.061845	-0.08657	-0.60448	0.563515	0.864449	DOWN	388.2327	388.2326	388.2329	43.76133	43.63217
9889	M834T15	1.138989	-0.18775	-0.60991	0.563523	0.864449	DOWN	834.4334	834.4329	834.4341	15.48708	15.45273
9890	M227T9_1	1.20136	-0.26467	-0.61351	0.563557	0.864451	DOWN	227.1339	227.1307	227.1386	8.841533	8.697767
9891	M534T10_	1.091997	-0.12697	-0.60449	0.563558	0.864451	DOWN	533.7861	533.7857	533.7872	9.939575	9.827283
9892	M414T21_	1.263669	-0.33762	-0.60619	0.563578	0.864452	DOWN	413.7851	413.7847	413.7857	20.75392	20.73683
9893	M380T11_	1.105206	-0.14432	-0.60245	0.56359	0.864452	DOWN	380.026	380.0258	380.0268	10.892	10.879
9894	M1941T10	1.145159	-0.19555	-0.6078	0.563605	0.864453	DOWN	1941.194	1941.193	1941.198	9.842	9.7124
9895	M240T19	1.369282	0.45342	0.623975	0.563618	0.864454	UP	240.0678	240.0675	240.068	19.316	19.23333
9896	M369T11_	1.22141	0.288548	0.60839	0.563673	0.864456	UP	368.8316	368.8315	368.8372	10.94443	10.83417
9897	M315T11_	1.082185	-0.11395	-0.60933	0.563688	0.864457	DOWN	314.7215	314.7214	314.7217	11.49657	11.47298
9898	M198T10_	1.162293	-0.21697	-0.60634	0.563764	0.86446	DOWN	197.6371	197.6369	197.6482	9.831242	9.743667
9899	M260T10_	1.069388	-0.09679	-0.60542	0.563862	0.864464	DOWN	260.2337	260.2335	260.234	9.74925	9.62055
9900	M268T10_	1.089964	-0.12428	-0.60296	0.563874	0.864465	DOWN	267.5183	267.5172	267.5185	9.8161	9.699733
9901	M817T10_	1.183819	0.243449	0.608119	0.563932	0.864467	UP	817.4557	817.4552	817.4559	9.972917	9.8753
9902	M804T10_	1.167763	0.223748	0.613291	0.563932	0.864467	UP	804.2115	804.211	804.2118	9.964092	9.859233
9903	M259T25	1.074234	-0.10331	-0.61007	0.563965	0.864469	DOWN	259.2821	259.2819	259.2823	24.98592	24.9695
9904	M613T10_	1.168333	-0.22445	-0.6029	0.563967	0.864469	DOWN	613.2971	613.296	613.2986	9.917167	9.811217

9905	M446T42_	1.121239	0.165093	0.626142	0.564062	0.864473	UP	446.2382	446.2381	446.2385	42.04967	41.96367
9906	M361T38	1.124211	0.168913	0.621636	0.564252	0.864481	UP	361.3658	361.3656	361.366	38.16533	38.151
9907	M409T9_2	1.185627	-0.24565	-0.60149	0.564253	0.864481	DOWN	408.6458	408.6457	408.6464	9.219483	9.133667
9908	M718T10_	1.20989	0.274876	0.604565	0.564339	0.864485	UP	718.036	718.0353	718.0369	9.802542	9.715683
9909	M518T10_	1.098107	-0.13502	-0.60114	0.564397	0.864488	DOWN	517.8157	517.8151	517.8169	9.902617	9.79535
9910	M368T24	1.435972	0.522027	0.62657	0.564404	0.864488	UP	368.3004	368.3003	368.3008	23.80958	23.791
9911	M469T9_7	1.272311	-0.34745	-0.60114	0.564508	0.864493	DOWN	469.3387	469.3374	469.3389	8.926175	8.624833
9912	M382T45	1.296521	-0.37465	-0.60135	0.564508	0.864493	DOWN	382.2433	382.2432	382.2436	44.86133	44.56667
9913	M327T10_	1.175585	0.233379	0.600885	0.56463	0.864498	UP	326.7637	326.7636	326.764	9.872558	9.79065
9914	M440T11_	1.325451	0.406484	0.601286	0.56466	0.864499	UP	439.7528	439.7524	439.7545	10.91185	10.879
9915	M326T10_	1.125861	0.171029	0.601005	0.564672	0.8645	UP	325.8622	325.8607	325.8624	9.895983	9.743767
9916	M1138T10	1.358825	0.44236	0.625409	0.5648	0.864505	UP	1137.78	1137.777	1137.785	9.7936	9.665433
9917	M391T9_3	1.226066	-0.29404	-0.60069	0.565021	0.864515	DOWN	390.6694	390.6689	390.6696	9.10275	9.03845
9918	M621T19	1.095201	-0.1312	-0.6001	0.565135	0.86452	DOWN	621.4856	621.4853	621.4858	18.64258	18.629
9919	M390T10_	1.276701	0.352421	0.605541	0.565207	0.864523	UP	390.3186	390.3182	390.3194	9.933967	9.827283
9920	M278T10_	1.080634	-0.11188	-0.60128	0.565255	0.864525	DOWN	277.5316	277.5313	277.532	9.944392	9.827283
9921	M540T10_	1.500354	0.585303	0.604703	0.565351	0.864529	UP	539.9406	539.9405	539.9407	9.923067	9.859233
9922	M733T10_	1.098395	-0.1354	-0.60816	0.565352	0.864529	DOWN	733.2472	733.2467	733.2478	9.8207	9.699733
9923	M232T10_	1.085146	0.117889	0.615134	0.565471	0.864535	UP	231.5717	231.5716	231.5719	9.855658	9.7634
9924	M371T25	1.242825	0.313623	0.617157	0.565549	0.864538	UP	371.2189	371.2189	371.2191	24.5925	24.536
9925	M670T10_	1.125224	-0.17021	-0.60034	0.565581	0.864539	DOWN	669.5331	669.5325	669.534	9.9847	9.8753
9926	M502T9_9	1.165904	-0.22145	-0.60155	0.565712	0.864545	DOWN	502.4286	502.4274	502.4297	9.276658	9.129317
9927	M493T10_	1.21218	-0.2776	-0.59981	0.565713	0.864545	DOWN	492.9681	492.9666	492.9716	10.11527	10.0118
9928	M305T11_	1.17933	0.237967	0.601039	0.565732	0.864546	UP	304.5366	304.5363	304.5371	10.892	10.88995
9929	M631T10_	1.261172	-0.33476	-0.60731	0.565795	0.864549	DOWN	630.8812	630.8804	630.8817	9.886083	9.7634
9930	M379T10_	1.3031	0.381948	0.624345	0.565854	0.864551	UP	378.7284	378.7281	378.7291	9.92825	9.822117
9931	M435T11_	1.183892	0.243537	0.607941	0.565867	0.864552	UP	435.4564	435.455	435.4579	10.89355	10.87487
9932	M461T41_	1.048479	-0.0683	-0.61736	0.565872	0.864552	DOWN	461.274	461.2738	461.2743	40.51767	40.43867
9933	M577T9_4	1.185989	-0.24609	-0.59998	0.5659	0.864553	DOWN	577.1745	577.1718	577.1762	9.16125	9.110833
9934	M587T9_1	1.231054	-0.29989	-0.5995	0.565985	0.864557	DOWN	586.743	586.7425	586.7432	9.3172	9.275917
9935	M459T10_	1.475823	-0.56152	-0.60157	0.565994	0.864557	DOWN	459.0484	459.0483	459.0486	9.991958	9.916767
9936	M160T10_	1.177092	-0.23523	-0.60844	0.566043	0.864559	DOWN	160.0072	160.007	160.0072	9.956417	9.843367
9937	M458T10_	1.411979	-0.49772	-0.59858	0.566048	0.86456	DOWN	457.8451	457.8448	457.8453	9.960967	9.90755
9938	M193T10_	1.245301	-0.31649	-0.60654	0.566192	0.864566	DOWN	192.9651	192.965	192.9654	9.960967	9.8914
9939	M216T10_	1.256664	-0.3296	-0.6081	0.566382	0.864574	DOWN	216.0188	216.0187	216.025	9.977042	9.869467

9940	M253T9_4	1.250567	-0.32258	-0.59832	0.566461	0.864578	DOWN	252.9279	252.9277	252.9281	8.826967	8.686867
9941	M255T44_	1.122275	-0.16643	-0.59944	0.566532	0.864581	DOWN	255.1224	255.1223	255.1225	44.10667	43.76133
9942	M1015T13	1.109742	-0.15022	-0.6061	0.566645	0.864586	DOWN	1015.458	1015.457	1015.458	13.41193	13.36148
9943	M403T44_	1.20551	0.269644	0.597184	0.566899	0.864597	UP	403.2323	403.2321	403.2325	43.5315	43.37317
9944	M1214T10	1.13499	-0.18268	-0.59738	0.566956	0.864599	DOWN	1214.293	1214.29	1214.294	9.964417	9.859233
9945	M358T10_	1.10526	-0.14439	-0.60132	0.566975	0.8646	DOWN	358.2173	358.2117	358.2185	9.595942	9.447617
9946	M177T10_	1.195076	-0.2571	-0.59762	0.567011	0.864601	DOWN	177.0788	177.0787	177.0789	9.932033	9.827283
9947	M726T10_	1.168494	-0.22465	-0.59882	0.567015	0.864602	DOWN	726.2628	726.2622	726.2632	9.836042	9.699733
9948	M765T10_	1.072768	-0.10134	-0.60749	0.56703	0.864602	DOWN	765.2108	765.2095	765.2145	9.9091	9.79535
9949	M265T11_	1.135531	0.183367	0.597715	0.567099	0.864605	UP	264.5207	264.5165	264.5208	10.879	10.87765
9950	M1998T10	1.232758	-0.30189	-0.59728	0.567131	0.864607	DOWN	1997.943	1997.941	1997.948	9.830833	9.747533
9951	M288T17	1.190156	-0.25115	-0.59731	0.567203	0.86461	DOWN	288.1955	288.1954	288.1956	17.21967	17.21933
9952	M520T44_	1.168819	0.225052	0.61792	0.567215	0.86461	UP	520.3112	520.3109	520.3115	44.049	43.83333
9953	M558T35	1.30682	-0.38606	-0.59984	0.567382	0.864618	DOWN	558.4724	558.4716	558.4731	34.55633	34.55117
9954	M364T10_	1.207439	-0.27195	-0.59636	0.567425	0.864619	DOWN	364.4548	364.4546	364.4549	9.96095	9.843367
9955	M316T10_	1.161876	-0.21646	-0.59747	0.567431	0.86462	DOWN	315.8979	315.8977	315.8981	9.890925	9.827283
9956	M274T10_	1.213452	0.279117	0.597375	0.567435	0.86462	UP	273.7188	273.7185	273.719	9.95385	9.843367
9957	M525T24_	1.189791	-0.25071	-0.5964	0.567465	0.864621	DOWN	525.0451	525.045	525.0455	24.117	24.096
9958	M445T10_	1.318647	0.399058	0.610731	0.567493	0.864622	UP	444.7766	444.7755	444.7773	9.970617	9.859233
9959	M161T10_	1.141399	-0.1908	-0.60109	0.567593	0.864627	DOWN	161.0403	161.0402	161.0404	9.924267	9.811217
9960	M214T10_	1.048074	0.067741	0.600592	0.567617	0.864628	UP	213.8894	213.8893	213.8894	9.887642	9.79535
9961	M757T12	1.382142	0.466906	0.617855	0.567788	0.864635	UP	757.4908	757.4908	757.4912	11.99063	11.98695
9962	M785T9	1.314412	-0.39442	-0.59581	0.567885	0.864639	DOWN	785.0449	785.0446	785.0457	9.29345	9.234417
9963	M309T10_	1.310374	0.389979	0.596999	0.567915	0.864641	UP	308.5426	308.5424	308.5428	9.816183	9.715683
9964	M475T10_	1.131416	-0.17813	-0.5969	0.567986	0.864644	DOWN	474.5503	474.5498	474.5508	9.97155	9.8753
9965	M634T10_	1.075698	-0.10527	-0.60162	0.567995	0.864644	DOWN	634.4627	634.4625	634.4629	10.38894	10.34372
9966	M312T26_	1.213483	0.279154	0.610694	0.568225	0.864654	UP	312.2345	312.2342	312.2348	26.16633	26.13633
9967	M418T19	1.196716	0.259081	0.610937	0.568315	0.864658	UP	417.7596	417.759	417.7597	18.9655	18.9365
9968	M1355T10	1.195536	-0.25766	-0.59536	0.568318	0.864658	DOWN	1355.193	1355.192	1355.194	9.82645	9.699733
9969	M348T12	1.333254	0.414952	0.60967	0.56838	0.864661	UP	348.311	348.3108	348.3114	12.44202	12.41208
9970	M398T10_	1.260168	0.333616	0.604182	0.568496	0.864666	UP	397.6073	397.6072	397.6076	9.967367	9.859233
9971	M419T10_	1.152829	0.205178	0.603531	0.568567	0.864669	UP	418.9412	418.9408	418.9414	9.95165	9.843367
9972	M505T9_5	1.132898	-0.18002	-0.5947	0.5686	0.86467	DOWN	504.8264	504.825	504.8275	9.008417	8.863633
9973	M298T10_	1.246789	-0.31822	-0.59445	0.568638	0.864672	DOWN	298.1445	298.1442	298.1448	9.932033	9.827283
9974	M638T10_	1.163892	0.218957	0.617632	0.568722	0.864675	UP	637.6243	637.6236	637.6267	9.839008	9.715683

9975	M575T9	1.234025	0.303371	0.610305	0.568781	0.864678	UP	574.6197	574.6188	574.6202	9.3471	9.249433
9976	M239T10_	1.069122	-0.09643	-0.59419	0.568807	0.864679	DOWN	238.6398	238.6392	238.6492	9.903092	9.79535
9977	M749T11_	1.143002	-0.19283	-0.61241	0.568854	0.864681	DOWN	748.953	748.9519	748.9536	10.90477	10.879
9978	M462T11_	1.29645	0.374567	0.614847	0.568871	0.864682	UP	461.5826	461.5823	461.5831	10.9331	10.90785
9979	M720T9	1.285939	-0.36282	-0.59394	0.568989	0.864687	DOWN	719.5035	719.5032	719.5043	9.311883	9.24215
9980	M721T10_	1.277395	0.353205	0.614272	0.569008	0.864688	UP	721.2612	721.2598	721.2618	9.835725	9.715683
9981	M393T11_	1.216604	-0.28286	-0.59391	0.569013	0.864688	DOWN	392.7065	392.7063	392.7072	10.92819	10.82972
9982	M404T9_8	1.167764	-0.22375	-0.6041	0.569066	0.86469	DOWN	404.427	404.4267	404.4314	9.464967	9.355317
9983	M579T9_4	2.03159	1.02261	0.605238	0.569085	0.864691	UP	578.7101	578.7075	578.7164	9.0035	8.909
9984	M373T41_	1.116065	-0.15842	-0.61496	0.569166	0.864694	DOWN	373.2219	373.2217	373.222	41.18667	41.15767
9985	M760T10_	1.241427	0.311999	0.593618	0.56917	0.864695	UP	759.9094	759.9077	759.91	10.35992	10.31147
9986	M675T9_2	1.189429	-0.25027	-0.60107	0.569194	0.864696	DOWN	675.3456	675.3455	675.3469	9.46855	9.416817
9987	M188T9_1	1.674701	0.743904	0.616726	0.5692	0.864696	UP	188.2092	188.2082	188.2095	9.356467	9.11795
9988	M879T22_	1.085708	-0.11864	-0.59451	0.569215	0.864697	DOWN	878.6052	878.6047	878.6057	21.62367	21.59533
9989	M457T22	1.186522	-0.24674	-0.59882	0.569249	0.864698	DOWN	456.6502	456.6501	456.6509	22.14142	22.1035
9990	M228T9_1	1.138231	-0.18679	-0.61284	0.569335	0.864702	DOWN	228.1787	228.1785	228.1788	8.779867	8.686867
9991	M213T9_1	1.397294	0.482635	0.593271	0.569399	0.864704	UP	213.1603	213.1541	213.1618	9.378267	9.11795
9992	M433T25	1.054135	0.076059	0.593174	0.569453	0.864707	UP	433.2411	433.241	433.2413	24.59467	24.5795
9993	M437T9_2	1.262585	-0.33638	-0.59315	0.569487	0.864708	DOWN	436.6086	436.6079	436.6125	9.363375	9.129317
9994	M364T9_7	1.250686	0.32272	0.595722	0.569493	0.864708	UP	364.0758	364.0748	364.0783	9.217708	9.110833
9995	M599T10_	1.289528	-0.36684	-0.5932	0.569551	0.864711	DOWN	598.6668	598.6658	598.6745	9.831517	9.715683
9996	M653T28_	1.239812	-0.31012	-0.59375	0.569565	0.864712	DOWN	652.9671	652.9669	652.9675	28.39625	28.34867
9997	M417T42_	1.166473	0.222153	0.59967	0.569613	0.864714	UP	417.2479	417.2476	417.2481	42.20775	42.0355
9998	M972T10	1.185816	0.24588	0.596295	0.569697	0.864717	UP	972.2895	972.2883	972.2905	9.975217	9.8753
9999	M504T40	1.093304	0.128695	0.602892	0.569778	0.864721	UP	504.28	504.2798	504.2802	40.33067	40.15067
10000	M403T11_	1.17381	0.231199	0.59988	0.569786	0.864721	UP	403.1152	403.115	403.1154	10.89875	10.873
10001	M490T10_	1.133355	-0.1806	-0.5952	0.569788	0.864721	DOWN	489.5551	489.5546	489.5556	9.985733	9.8753
10002	M432T25_	1.049544	0.069763	0.592698	0.569821	0.864723	UP	432.2377	432.2376	432.2378	24.59817	24.5795
10003	M262T10_	1.278525	0.35448	0.592737	0.569914	0.864727	UP	261.5711	261.5599	261.5718	9.93625	9.811217
10004	M894T10_	1.107727	-0.1476	-0.59462	0.569921	0.864727	DOWN	893.7127	893.712	893.7132	9.948875	9.843367
10005	M239T9_2	1.253073	0.325471	0.592664	0.569925	0.864727	UP	238.9126	238.905	238.9129	8.9343	8.796533
10006	M342T13	1.153233	0.205684	0.592641	0.569939	0.864728	UP	342.2636	342.2633	342.2638	12.55878	12.5146
10007	M370T9_2	1.379848	-0.46451	-0.59397	0.569957	0.864728	DOWN	369.5782	369.5781	369.5784	8.83365	8.827133
10008	M522T10_	1.184635	0.244443	0.599944	0.570013	0.864731	UP	521.6325	521.6324	521.6332	10.47857	10.39197
10009	M273T10_	1.287052	0.364071	0.599766	0.570029	0.864731	UP	272.5793	272.579	272.5794	9.975217	9.859233

10010	M502T9_4	1.218607	0.285233	0.594154	0.570062	0.864733	UP	502.0165	502.0146	502.017	9.23175	9.12675
10011	M533T9_4	1.758038	0.813966	0.61562	0.570124	0.864736	UP	533.2831	533.2828	533.2832	9.474408	9.38595
10012	M500T9_9	1.193041	0.254644	0.609054	0.570145	0.864736	UP	500.0223	500.0212	500.0226	9.186542	9.12675
10013	M921T10_	1.136695	0.184845	0.60413	0.5702	0.864739	UP	921.0504	921.0496	921.0513	9.939575	9.827283
10014	M276T11_	1.112151	-0.15335	-0.59525	0.57029	0.864743	DOWN	275.9805	275.9803	275.9806	10.892	10.8646
10015	M535T27_	1.243219	0.31408	0.591805	0.570323	0.864744	UP	535.3923	535.392	535.393	26.795	26.75383
10016	M1904T10	1.22359	-0.29112	-0.59814	0.570355	0.864745	DOWN	1903.543	1903.541	1903.547	9.823225	9.7124
10017	M337T28_	1.235805	-0.30545	-0.5933	0.570362	0.864746	DOWN	336.9288	336.9285	336.9289	28.38867	28.362
10018	M207T10_	1.091309	-0.12606	-0.5963	0.570506	0.864755	DOWN	206.9544	206.9543	206.9545	9.84915	9.73145
10019	M335T11_	1.098406	-0.13541	-0.5915	0.570645	0.864764	DOWN	334.8983	334.8982	334.8986	10.89907	10.879
10020	M410T10_	1.047709	-0.06724	-0.60025	0.570726	0.86477	DOWN	410.3377	410.3375	410.3379	10.31737	10.26307
10021	M367T10_	1.17143	-0.22827	-0.59112	0.570815	0.864775	DOWN	367.076	367.0759	367.0833	9.916525	9.811217
10022	M500T9_1	1.245393	-0.3166	-0.59137	0.57087	0.864779	DOWN	500.1017	500.1006	500.1027	9.346	9.1322
10023	M1076T10	1.229438	-0.298	-0.59193	0.570987	0.864787	DOWN	1076.227	1076.226	1076.23	9.80755	9.681183
10024	M1954T10	1.129746	0.175998	0.599151	0.571095	0.864794	UP	1953.946	1953.939	1953.949	9.830283	9.715683
10025	M360T11_	1.137718	-0.18614	-0.59062	0.571266	0.864805	DOWN	359.6454	359.6453	359.6467	10.89953	10.879
10026	M209T19_	1.106454	0.145943	0.592565	0.571278	0.864806	UP	209.1281	209.128	209.1283	19.04675	19.038
10027	M380T36	1.21234	0.277794	0.590933	0.571364	0.864811	UP	380.337	380.3366	380.3371	36.3375	36.28567
10028	M708T10_	1.357829	0.441301	0.609219	0.571383	0.864813	UP	708.0351	708.0344	708.0355	9.802117	9.73145
10029	M294T10_	1.089802	-0.12407	-0.59181	0.571564	0.864825	DOWN	293.7079	293.7076	293.708	9.939575	9.827283
10030	M487T11_	1.191955	0.25333	0.599786	0.57163	0.864829	UP	487.4393	487.4387	487.4399	10.89875	10.879
10031	M321T11_	1.090977	-0.12562	-0.59171	0.571655	0.86483	DOWN	320.7963	320.7961	320.7968	10.90519	10.879
10032	M695T10_	1.133233	-0.18044	-0.58991	0.571683	0.864832	DOWN	695.2329	695.2325	695.2337	9.828642	9.699733
10033	M847T25_	1.149301	0.200757	0.589547	0.571817	0.864841	UP	847.4463	847.4461	847.4468	24.59467	24.5795
10034	M619T23	1.186165	-0.2463	-0.58983	0.571824	0.864842	DOWN	619.4384	619.4371	619.4399	22.69817	22.65617
10035	M330T28	1.157536	0.211057	0.590136	0.571863	0.864844	UP	330.3001	330.2998	330.3004	28.39767	28.3485
10036	M332T10_	1.1053	-0.14444	-0.6047	0.571921	0.864848	DOWN	331.5958	331.5956	331.596	9.836042	9.699733
10037	M194T10_	1.123214	-0.16763	-0.59619	0.571952	0.86485	DOWN	194.1669	194.1667	194.167	9.82645	9.715683
10038	M397T9_2	1.111191	-0.15304	-0.59052	0.572002	0.864853	DOWN	396.6442	396.643	396.6464	9.214392	9.129317
10039	M231T10_	1.209189	0.274039	0.610433	0.572014	0.864854	UP	230.7415	230.7413	230.7416	9.914217	9.79535
10040	M351T10_	1.17881	0.237331	0.589548	0.572084	0.864858	UP	351.1225	351.1223	351.1233	9.858833	9.747533
10041	M316T10_	1.157657	-0.21121	-0.58899	0.572122	0.864861	DOWN	316.2778	316.2776	316.2785	9.924308	9.811217
10042	M569T10_	1.121022	0.164814	0.591738	0.572159	0.864863	UP	568.8548	568.853	568.8553	9.950258	9.827283
10043	M508T10_	1.186516	0.246731	0.589952	0.572217	0.864867	UP	508.0497	508.0496	508.0502	9.967367	9.859233
10044	M276T11_	1.299817	0.378309	0.613087	0.572274	0.864871	UP	275.7128	275.7123	275.7221	10.89768	10.8214

10045	M200T9_3	1.454278	-0.5403	-0.58889	0.572313	0.864873	DOWN	199.547	199.5461	199.5484	9.287292	9.12675
10046	M315T11_	1.098604	-0.13567	-0.58934	0.572316	0.864874	DOWN	315.223	315.2228	315.223	11.49197	11.47593
10047	M1182T10	1.104817	-0.14381	-0.59767	0.572466	0.864883	DOWN	1182.018	1182.017	1182.019	9.970617	9.8753
10048	M222T6	1.211435	-0.27672	-0.58853	0.572499	0.864886	DOWN	222.1253	222.1252	222.1255	6.45715	6.289267
10049	M235T10_	1.064993	-0.09084	-0.58997	0.572541	0.864888	DOWN	234.6407	234.6405	234.6408	9.918792	9.811217
10050	M729T11_	1.108464	-0.14856	-0.59258	0.572644	0.864895	DOWN	728.5528	728.5521	728.5534	10.892	10.8646
10051	M188T9_1	1.542816	0.625566	0.608785	0.572646	0.864895	UP	188.228	188.2273	188.2286	9.365833	9.1503
10052	M641T10_	1.099474	-0.13681	-0.58811	0.572805	0.864906	DOWN	640.9031	640.9023	640.9041	9.8207	9.715683
10053	M211T11_	1.118348	0.161369	0.587941	0.572813	0.864906	UP	211.2977	211.2976	211.2978	10.91105	10.873
10054	M425T11_	1.092942	-0.12822	-0.59021	0.5729	0.864912	DOWN	425.4229	425.4183	425.4241	10.90553	10.8214
10055	M643T18_	1.082916	-0.11492	-0.59648	0.572952	0.864915	DOWN	643.4678	643.4671	643.4681	18.01183	17.99367
10056	M216T10_	1.253521	-0.32599	-0.59323	0.573011	0.864919	DOWN	215.8997	215.8996	215.9133	9.81635	9.699733
10057	M779T10_	1.133811	-0.18118	-0.58773	0.573032	0.86492	DOWN	778.5565	778.5552	778.5583	9.964092	9.869467
10058	M1923T10	1.166462	-0.22214	-0.59405	0.573073	0.864923	DOWN	1923.062	1923.059	1923.064	9.932033	9.827283
10059	M503T11_	1.214143	-0.27994	-0.58917	0.573156	0.864928	DOWN	502.6265	502.6233	502.6284	10.9312	10.89125
10060	M294T10_	1.109554	-0.14998	-0.58991	0.573172	0.864929	DOWN	294.195	294.1948	294.1951	9.944392	9.827283
10061	M655T36_	1.174975	0.23263	0.589511	0.57318	0.86493	UP	655.463	655.4626	655.4635	36.29733	36.26633
10062	M396T9_1	1.153208	-0.20565	-0.6027	0.573234	0.864933	DOWN	395.593	395.5921	395.5942	9.235933	9.142767
10063	M724T10_	1.19493	0.256926	0.589391	0.573357	0.864941	UP	724.0544	724.0524	724.0552	9.830283	9.728083
10064	M212T10_	1.310193	0.389779	0.58734	0.573372	0.864942	UP	211.8388	211.8386	211.8389	9.95825	9.8914
10065	M470T17_	1.148283	0.199478	0.590133	0.573382	0.864943	UP	470.3581	470.3577	470.3593	16.70892	16.66567
10066	M527T9_3	1.088035	-0.12173	-0.58716	0.573552	0.864954	DOWN	526.6125	526.611	526.6129	9.303467	9.129317
10067	M178T11_	1.18708	0.247418	0.587237	0.573552	0.864954	UP	177.5741	177.5739	177.5743	10.8914	10.88995
10068	M235T10_	1.185786	0.245844	0.589041	0.573565	0.864955	UP	234.8007	234.8004	234.8012	9.967533	9.859233
10069	M796T9	1.360489	-0.44413	-0.59008	0.573596	0.864957	DOWN	795.6444	795.6424	795.6457	9.023433	8.924217
10070	M547T11	1.088898	0.122868	0.58692	0.57364	0.86496	UP	546.95	546.9496	546.9508	10.892	10.879
10071	M719T10_	1.108485	-0.14859	-0.59123	0.573826	0.864972	DOWN	718.9131	718.9127	718.9138	10.0758	9.971833
10072	M651T11	1.093391	0.128809	0.592698	0.5739	0.864977	UP	651.4207	651.4205	651.4212	11.49197	11.47593
10073	M559T10_	1.165759	-0.22127	-0.58727	0.573941	0.864979	DOWN	559.0796	559.079	559.0797	9.937175	9.859233
10074	M632T9	1.890484	0.918756	0.607255	0.573946	0.86498	UP	631.9338	631.9333	631.9339	9.420133	9.38665
10075	M244T10_	1.132389	0.17937	0.589984	0.574029	0.864985	UP	244.1445	244.1442	244.1542	9.74925	9.636483
10076	M319T10_	1.062872	-0.08797	-0.58922	0.574037	0.864986	DOWN	319.186	319.1857	319.1871	9.825767	9.699733
10077	M476T8	1.166221	0.221841	0.610092	0.574069	0.864988	UP	476.3278	476.3157	476.328	7.8849	7.7961
10078	M659T21	1.102264	-0.14047	-0.59076	0.574451	0.865012	DOWN	659.477	659.4763	659.4776	21.01417	20.98517
10079	M756T10_	1.322231	-0.40297	-0.60482	0.574456	0.865013	DOWN	756.3203	756.3192	756.3207	9.970617	9.885167



10080	M160T10_	1.168462	-0.22461	-0.59284	0.574472	0.865014	DOWN	159.7416	159.7414	159.7416	9.957333	9.843367
10081	M571T34	1.096473	-0.13287	-0.58783	0.574474	0.865014	DOWN	571.4243	571.4241	571.4245	33.67217	33.65767
10082	M747T10_	1.118991	-0.1622	-0.58709	0.574616	0.865023	DOWN	747.4677	747.467	747.4686	10.3828	10.32952
10083	M1074T10	1.096817	0.133323	0.593768	0.574874	0.86504	UP	1074.465	1074.463	1074.466	9.983467	9.8914
10084	M191T10_	1.22317	-0.29063	-0.58478	0.57488	0.86504	DOWN	190.6218	190.6215	190.6219	9.967367	9.859233
10085	M578T10_	1.076057	-0.10575	-0.58603	0.574948	0.865045	DOWN	578.4176	578.4173	578.4177	9.94785	9.843367
10086	M194T9_1	1.6548	0.726657	0.604712	0.574985	0.865047	UP	194.1141	194.1138	194.1143	9.283817	9.1428
10087	M294T10_	1.272825	-0.34803	-0.59414	0.574998	0.865048	DOWN	294.152	294.1416	294.1522	9.956417	9.843367
10088	M248T11_	1.152607	-0.2049	-0.58459	0.575089	0.865054	DOWN	247.7038	247.7036	247.704	10.91997	10.87765
10089	M299T41_	1.088944	0.12293	0.587428	0.575292	0.865067	UP	299.185	299.1849	299.1852	41.03608	40.92767
10090	M495T9_8	1.281805	0.358176	0.585559	0.575321	0.865069	UP	495.2403	495.2399	495.2413	9.074008	8.8622
10091	M209T11_	1.131442	-0.17816	-0.58403	0.57537	0.865072	DOWN	209.3931	209.3913	209.3933	10.90375	10.879
10092	M391T9_2	1.502304	-0.58718	-0.58382	0.575442	0.865077	DOWN	390.5971	390.597	390.5985	8.734433	8.686867
10093	M344T10_	1.146881	0.197716	0.597767	0.575449	0.865077	UP	344.0056	344.0051	344.0059	9.989483	9.8753
10094	M283T9_2	1.252499	0.32481	0.584191	0.575505	0.865081	UP	283.0169	283.0161	283.0182	9.348233	9.219483
10095	M357T11_	1.102874	-0.14127	-0.60455	0.575521	0.865082	DOWN	356.8917	356.8915	356.8924	10.90657	10.877
10096	M161T30	1.064951	0.090787	0.587334	0.575558	0.865084	UP	161.0958	161.0958	161.0959	29.83383	29.8195
10097	M248T7_1	1.202822	0.266424	0.590507	0.575594	0.865086	UP	248.0192	248.0191	248.0195	7.0405	6.969117
10098	M614T10_	1.172388	-0.22945	-0.58807	0.575642	0.865089	DOWN	613.5763	613.5656	613.5782	10.42075	10.34372
10099	M304T10	1.241651	0.31226	0.583377	0.575714	0.865094	UP	303.9543	303.9542	303.9544	9.946367	9.8753
10100	M190T10_	1.129516	-0.1757	-0.58809	0.575723	0.865095	DOWN	190.349	190.3488	190.3492	9.97155	9.859233
10101	M395T10_	1.202705	0.266283	0.595707	0.575821	0.865101	UP	395.4346	395.4343	395.4352	9.944392	9.859233
10102	M447T10_	1.159592	0.213618	0.583018	0.575959	0.86511	UP	446.7506	446.7502	446.751	9.968992	9.8753
10103	M381T11_	1.146275	-0.19695	-0.58348	0.575964	0.86511	DOWN	381.0962	381.0962	381.0965	10.9645	10.91813
10104	M854T10_	1.093831	-0.12939	-0.58295	0.576016	0.865114	DOWN	854.1078	854.1063	854.1096	9.917167	9.811217
10105	M457T9_3	1.486466	0.571886	0.604209	0.576143	0.865122	UP	457.0171	457.0147	457.0179	9.371592	9.166033
10106	M489T4	2.346731	-1.23065	-0.60012	0.576167	0.865123	DOWN	489.3037	489.3032	489.3041	3.594242	3.3745
10107	M456T24	1.292459	-0.37012	-0.59985	0.576257	0.865129	DOWN	456.3526	456.3518	456.3534	24.24483	24.22917
10108	M559T10_	1.188122	0.248684	0.588756	0.57626	0.865129	UP	559.4493	559.4484	559.4508	9.900833	9.79535
10109	M332T10_	1.222297	0.289595	0.5849	0.576263	0.865129	UP	332.3261	332.3259	332.3265	9.923033	9.822117
10110	M500T9_1	1.136446	0.184529	0.588099	0.576283	0.865131	UP	500.2628	500.2614	500.2635	9.319667	9.219483
10111	M596T10_	1.231497	-0.30041	-0.58255	0.576466	0.865143	DOWN	596.2971	596.2965	596.2976	9.924717	9.827283
10112	M381T9_7	1.230681	0.299456	0.586039	0.576595	0.865151	UP	381.1046	381.1038	381.106	9.147367	9.12675
10113	M208T10_	1.440531	0.5266	0.600394	0.57663	0.865153	UP	208.1376	208.1305	208.1378	9.810158	9.63045
10114	M194T9_1	1.450153	0.536205	0.583318	0.576635	0.865153	UP	194.2765	194.276	194.2794	9.175017	9.1175

10115	M510T9_1	1.072353	-0.10078	-0.60385	0.576815	0.865165	DOWN	509.7502	509.7493	509.7504	9.31485	9.234417
10116	M357T20	1.337683	0.419737	0.604624	0.576872	0.865169	UP	357.2532	357.2532	357.2535	20.37483	20.36067
10117	M265T10_	1.191765	-0.2531	-0.58181	0.576902	0.865171	DOWN	265.002	264.9946	265.0024	9.77435	9.75365
10118	M757T10_	1.120769	-0.16449	-0.58224	0.576937	0.865173	DOWN	757.2188	757.2168	757.2192	9.964417	9.843367
10119	M348T10_	1.483254	-0.56877	-0.58192	0.577055	0.86518	DOWN	348.0111	348.011	348.0111	9.8322	9.699733
10120	M664T10_	1.234893	0.304386	0.589652	0.577088	0.865182	UP	664.3145	664.3133	664.315	9.830283	9.779267
10121	M280T10_	1.107333	-0.14709	-0.59586	0.577204	0.86519	DOWN	279.6844	279.6844	279.6846	9.902617	9.811217
10122	M569T7	1.043674	-0.06167	-0.58349	0.577307	0.865197	DOWN	569.474	569.4737	569.4746	7.034133	6.94005
10123	M570T10_	1.506684	0.591377	0.602469	0.577316	0.865197	UP	569.5362	569.5353	569.5366	9.964333	9.8914
10124	M892T11	1.07527	0.104699	0.581059	0.577343	0.865199	UP	891.7297	891.7281	891.7373	10.94308	10.90393
10125	M564T44_	1.077997	-0.10835	-0.60444	0.577366	0.8652	DOWN	564.3375	564.3372	564.3377	43.68967	43.488
10126	M249T11_	1.157974	-0.2116	-0.59059	0.577422	0.865204	DOWN	248.8568	248.8567	248.857	10.93208	10.89355
10127	M356T10_	1.68136	0.749629	0.602288	0.577428	0.865204	UP	356.2726	356.2723	356.2728	9.714167	9.6048
10128	M819T10_	1.120167	-0.16371	-0.59526	0.577432	0.865205	DOWN	819.1466	819.1453	819.1475	9.958617	9.853533
10129	M260T20	1.123101	-0.16749	-0.59566	0.577773	0.865226	DOWN	260.1722	260.172	260.1723	20.17258	20.12883
10130	M398T11_	1.138783	-0.18749	-0.57985	0.578049	0.865244	DOWN	398.3552	398.3521	398.3554	10.91219	10.879
10131	M403T9_5	1.188399	-0.24902	-0.5808	0.578061	0.865245	DOWN	403.1574	403.1572	403.1577	8.853017	8.77435
10132	M318T10_	1.187881	-0.24839	-0.58147	0.578118	0.865249	DOWN	317.9443	317.9439	317.9457	9.8207	9.715683
10133	M555T11_	1.264235	0.338265	0.588267	0.578291	0.86526	UP	555.3581	555.3575	555.3594	10.89176	10.8214
10134	M348T9_5	1.300856	0.379461	0.583162	0.57831	0.865261	UP	348.0178	348.0163	348.0216	9.1503	9.1158
10135	M396T44_	1.125768	0.17091	0.593677	0.578528	0.865275	UP	396.2226	396.2224	396.2227	44.437	44.1785
10136	M632T13	1.133661	-0.18099	-0.57972	0.578534	0.865275	DOWN	632.4746	632.4742	632.4757	13.44902	13.41962
10137	M342T10_	1.129598	-0.17581	-0.59408	0.578585	0.865278	DOWN	341.6997	341.6992	341.7094	9.830183	9.696683
10138	M332T10_	1.086781	-0.12006	-0.5886	0.578585	0.865278	DOWN	332.4692	332.4691	332.4694	9.872167	9.747533
10139	M425T11_	1.084185	0.116612	0.601579	0.578767	0.86529	UP	425.2729	425.2728	425.2733	10.94844	10.90785
10140	M296T10_	1.138518	-0.18716	-0.58142	0.578768	0.86529	DOWN	296.3073	296.3069	296.3075	9.965892	9.843367
10141	M494T16_	1.230446	-0.29918	-0.58236	0.578772	0.86529	DOWN	494.3468	494.3467	494.3472	15.96126	15.93568
10142	M221T11_	1.166837	0.222603	0.578565	0.578803	0.865292	UP	220.7517	220.7514	220.7527	10.91688	10.879
10143	M638T30	1.264369	0.338417	0.578448	0.578932	0.865301	UP	638.3961	638.3956	638.3972	30.31033	30.2525
10144	M333T34	1.109129	0.149427	0.590615	0.579078	0.86531	UP	333.3343	333.334	333.3345	33.89008	33.87367
10145	M248T7_2	1.07597	-0.10564	-0.58231	0.579228	0.865319	DOWN	248.2465	248.2464	248.2467	7.025433	6.95505
10146	M913T10_	1.199547	-0.26249	-0.58474	0.579237	0.86532	DOWN	912.5401	912.5396	912.5417	9.630433	9.52515
10147	M643T10_	1.109606	0.150048	0.579913	0.579292	0.865324	UP	642.7415	642.7409	642.7424	9.8207	9.715683
10148	M917T11_	1.066126	-0.09238	-0.59148	0.579345	0.865327	DOWN	917.2582	917.257	917.2588	10.92731	10.879
10149	M179T9_3	1.253581	-0.32606	-0.58778	0.579431	0.865332	DOWN	179.0641	179.0639	179.0644	9.146233	9.095133

10150	M191T11_	1.070517	-0.09831	-0.58279	0.57958	0.865342	DOWN	190.6931	190.693	190.6932	10.89875	10.879
10151	M398T43_	1.184179	-0.24389	-0.57741	0.579632	0.865345	DOWN	398.2381	398.2378	398.2383	43.24367	42.913
10152	M874T10_	1.129348	-0.17549	-0.58661	0.579659	0.865347	DOWN	873.9169	873.915	873.9174	9.948875	9.843367
10153	M663T10_	1.059587	-0.0835	-0.57925	0.579705	0.86535	DOWN	663.347	663.3464	663.3485	9.834117	9.715683
10154	M1956T10	1.182932	-0.24237	-0.58299	0.579722	0.865351	DOWN	1956.368	1956.367	1956.371	9.830558	9.715683
10155	M432T11_	1.089485	0.123647	0.581853	0.5798	0.865356	UP	432.2906	432.2902	432.2913	11.11092	11.07605
10156	M418T9_8	1.170998	-0.22774	-0.57811	0.579899	0.865362	DOWN	418.2008	418.2006	418.2011	9.008925	8.9997
10157	M505T9_1	1.191988	0.25337	0.576916	0.579907	0.865363	UP	504.5759	504.5748	504.5764	8.936617	8.878667
10158	M198T11_	1.085482	-0.11834	-0.57763	0.579933	0.865364	DOWN	197.8044	197.8043	197.8045	10.892	10.879
10159	M331T28_	1.057256	-0.08032	-0.57903	0.580104	0.865375	DOWN	331.0989	331.0986	331.099	28.31	28.27433
10160	M494T19	1.127889	-0.17363	-0.57773	0.580251	0.865385	DOWN	494.347	494.3457	494.3471	18.6145	18.5995
10161	M284T10_	1.115734	-0.15799	-0.57993	0.580261	0.865385	DOWN	283.7151	283.7148	283.7152	9.934533	9.827283
10162	M268T15_	1.593197	0.671924	0.597916	0.580289	0.865387	UP	268.1692	268.1692	268.1693	15.14657	15.1171
10163	M369T11_	1.328089	0.409352	0.576527	0.580307	0.865388	UP	369.3054	369.3044	369.3058	10.91096	10.84487
10164	M179T10_	1.137753	-0.18619	-0.5937	0.580329	0.86539	DOWN	178.9721	178.9721	178.9722	9.902617	9.811217
10165	M711T9_2	1.15068	-0.20249	-0.58047	0.580363	0.865392	DOWN	710.8892	710.8889	710.8899	9.372925	9.16125
10166	M354T10_	1.113996	0.155744	0.596317	0.580372	0.865392	UP	353.5478	353.5478	353.548	9.841442	9.73145
10167	M635T10_	1.072773	-0.10134	-0.57805	0.580382	0.865393	DOWN	634.986	634.9854	634.9879	9.823575	9.715683
10168	M903T10	1.174454	0.23199	0.59731	0.580512	0.865401	UP	903.2591	903.2555	903.2602	9.979667	9.8753
10169	M355T41_	1.08685	-0.12015	-0.58485	0.580554	0.865404	DOWN	355.2114	355.2112	355.2115	41.3305	41.158
10170	M488T43_	1.143862	-0.19391	-0.5958	0.580627	0.865408	DOWN	488.2849	488.2847	488.2851	43.33625	43.01367
10171	M604T10_	1.243008	-0.31384	-0.597	0.580804	0.86542	DOWN	604.3359	604.3347	604.3365	10.23653	10.18653
10172	M266T22	1.398271	0.483643	0.578719	0.580861	0.865423	UP	266.1512	266.1509	266.1515	21.51542	21.4715
10173	M382T42_	1.03638	-0.05155	-0.57535	0.580875	0.865424	DOWN	382.3394	382.3392	382.3395	41.6185	41.60383
10174	M659T10_	1.179968	-0.23875	-0.57537	0.580911	0.865426	DOWN	659.0229	659.0221	659.0261	9.947783	9.827283
10175	M444T9_1	1.331113	0.412633	0.587255	0.580961	0.86543	UP	443.8031	443.8028	443.8046	8.695383	8.601067
10176	M357T10_	1.200794	0.263989	0.575888	0.581065	0.865436	UP	356.5625	356.5624	356.5627	9.553017	9.447617
10177	M562T41	1.148386	0.199608	0.587304	0.581136	0.865441	UP	562.322	562.3218	562.3222	41.18667	41.10033
10178	M346T9_8	1.220276	-0.28721	-0.58826	0.581171	0.865443	DOWN	346.1568	346.1563	346.1574	9.317	9.275917
10179	M230T10_	1.319838	0.400361	0.576972	0.581196	0.865445	UP	230.0839	230.0838	230.0842	9.9351	9.827283
10180	M274T10_	1.282086	0.358493	0.579456	0.581244	0.865448	UP	273.7658	273.7656	273.766	9.971292	9.859233
10181	M1983T10	1.075078	0.104441	0.579028	0.581252	0.865448	UP	1982.878	1982.876	1982.884	9.828367	9.715683
10182	M378T10_	1.135577	-0.18343	-0.58002	0.58129	0.86545	DOWN	378.4227	378.4224	378.4229	9.903283	9.806367
10183	M245T23_	1.080293	-0.11142	-0.58134	0.581303	0.865451	DOWN	245.2666	245.2664	245.2666	23.103	23.089
10184	M634T9_3	1.262622	-0.33642	-0.57466	0.581317	0.865452	DOWN	634.4222	634.4217	634.4227	8.7968	8.745033

10185	M259T9_5	1.157872	-0.21148	-0.57476	0.581386	0.865457	DOWN	259.432	259.4317	259.4323	8.798117	8.712633
10186	M241T10_	1.162003	0.216614	0.588898	0.581414	0.865458	UP	240.6975	240.6973	240.6975	9.940783	9.827283
10187	M358T30	1.171045	0.227796	0.589419	0.581484	0.865463	UP	358.2642	358.2639	358.2643	30.07875	30.06383
10188	M653T10_	1.134149	-0.18161	-0.57471	0.581605	0.86547	DOWN	652.7279	652.7228	652.7285	9.869467	9.699733
10189	M758T10_	1.284212	-0.36088	-0.57453	0.581608	0.865471	DOWN	757.983	757.981	757.9859	9.986767	9.932033
10190	M349T16	1.182664	-0.24204	-0.57811	0.58162	0.865471	DOWN	349.2175	349.2173	349.2177	16.24118	16.21298
10191	M656T10_	1.207159	0.271616	0.574333	0.581727	0.865478	UP	655.8738	655.8725	655.8746	9.964092	9.843367
10192	M373T20_	1.351484	-0.43454	-0.57546	0.581756	0.86548	DOWN	373.267	373.2666	373.2722	19.91117	19.8975
10193	M243T44_	1.124502	-0.16929	-0.59785	0.581874	0.865487	DOWN	243.1223	243.1223	243.1224	44.2215	44.12083
10194	M1107T10_	1.144184	0.194319	0.574316	0.581967	0.865493	UP	1107.138	1107.137	1107.14	9.97385	9.859233
10195	M368T11_	1.104384	0.143241	0.577521	0.582102	0.865502	UP	368.4231	368.423	368.4234	10.89904	10.879
10196	M174T10_	1.229685	-0.29829	-0.57356	0.582253	0.865511	DOWN	173.7274	173.7272	173.7275	9.858833	9.746783
10197	M299T43_	1.092471	0.127595	0.583974	0.582287	0.865513	UP	299.185	299.1848	299.1853	43.33708	43.12833
10198	M367T9_5	1.196759	-0.25913	-0.57394	0.582384	0.86552	DOWN	367.4405	367.4401	367.4472	9.362817	9.22495
10199	M876T10_	1.291801	-0.36938	-0.58812	0.582425	0.865522	DOWN	875.5847	875.5836	875.5859	9.95165	9.885167
10200	M719T10_	1.12612	0.17136	0.586785	0.582455	0.865524	UP	718.5544	718.5539	718.5552	9.825767	9.715683
10201	M353T42_	1.1551	-0.20802	-0.59634	0.582507	0.865527	DOWN	353.2321	353.232	353.2321	42.07833	41.97767
10202	M217T9_3	1.107841	-0.14775	-0.57511	0.582579	0.865532	DOWN	217.3165	217.3163	217.3166	9.256517	9.129317
10203	M359T43_	1.170634	0.227291	0.596817	0.582585	0.865532	UP	359.2062	359.2061	359.2064	43.4595	43.371
10204	M477T11_	1.126171	-0.17143	-0.57261	0.582638	0.865536	DOWN	477.2045	477.1985	477.2048	10.89061	10.85018
10205	M385T11_	1.086628	0.119858	0.57502	0.582645	0.865536	UP	384.6125	384.6122	384.613	10.92828	10.879
10206	M241T10_	1.195166	0.257211	0.584668	0.583039	0.865561	UP	240.9899	240.9819	240.99	9.968992	9.859233
10207	M500T9_1	1.120539	-0.16419	-0.5774	0.58304	0.865561	DOWN	500.1811	500.1786	500.1814	9.2311	9.129317
10208	M1078T10_	1.204145	-0.26801	-0.57456	0.583066	0.865563	DOWN	1078.135	1078.133	1078.135	9.803	9.76065
10209	M611T10_	1.551109	0.6333	0.594349	0.583086	0.865564	UP	611.4019	611.4014	611.4023	10.44008	10.42665
10210	M227T10_	1.247118	0.318598	0.591421	0.583109	0.865565	UP	226.9525	226.9523	226.9527	9.934533	9.827283
10211	M1099T23	1.239206	-0.30942	-0.57197	0.583111	0.865565	DOWN	1098.737	1098.737	1098.739	22.712	22.68317
10212	M392T10_	1.115895	-0.1582	-0.57357	0.58322	0.865572	DOWN	391.5482	391.5481	391.5487	9.879358	9.746783
10213	M964T10_	1.453926	0.539954	0.593034	0.583275	0.865576	UP	964.3932	964.3894	964.3939	9.957033	9.8753
10214	M684T10_	1.110114	-0.15071	-0.57385	0.583279	0.865576	DOWN	683.9012	683.9007	683.9018	9.82645	9.715683
10215	M358T22_	1.190212	-0.25122	-0.57248	0.583294	0.865577	DOWN	357.5862	357.586	357.5865	21.57658	21.53683
10216	M698T31	1.107828	-0.14773	-0.58009	0.583404	0.865584	DOWN	698.4991	698.4987	698.4995	31.2915	31.27733
10217	M610T10_	1.551149	0.633337	0.591896	0.583407	0.865584	UP	610.1879	610.1872	610.1883	9.983467	9.9754
10218	M470T11_	1.140318	-0.18944	-0.57989	0.583635	0.865598	DOWN	470.342	470.3412	470.3424	10.91181	10.873
10219	M347T11_	1.167027	-0.22284	-0.57112	0.583994	0.865621	DOWN	347.4236	347.4235	347.424	10.90548	10.88747

10220	M392T11_	1.414653	-0.50045	-0.5876	0.584055	0.865625	DOWN	392.3347	392.3343	392.3362	10.93655	10.82935
10221	M174T11_	1.194837	-0.25681	-0.57047	0.584059	0.865625	DOWN	174.2467	174.2466	174.2468	10.8926	10.8646
10222	M548T9_5	1.085289	-0.11808	-0.57507	0.584192	0.865633	DOWN	548.1567	548.1547	548.1572	9.241267	9.1445
10223	M224T11_	1.084466	-0.11698	-0.57107	0.58421	0.865635	DOWN	223.6857	223.6856	223.6858	10.892	10.879
10224	M783T11	1.089674	-0.1239	-0.57037	0.584216	0.865635	DOWN	783.1016	783.0996	783.1026	10.892	10.8646
10225	M260T9_9	1.214481	-0.28034	-0.57099	0.584311	0.865641	DOWN	260.4909	260.4873	260.4918	9.285867	9.1892
10226	M214T10_	1.186954	-0.24726	-0.57038	0.584324	0.865642	DOWN	214.1853	214.1852	214.193	9.823575	9.802117
10227	M366T9_8	1.203552	-0.2673	-0.57079	0.584388	0.865646	DOWN	366.2491	366.2447	366.2505	9.220383	9.1175
10228	M378T10_	1.051957	-0.07308	-0.57154	0.584421	0.865648	DOWN	377.7811	377.7807	377.7819	9.917167	9.811217
10229	M487T11_	1.134125	-0.18158	-0.57018	0.584527	0.865654	DOWN	487.3359	487.3355	487.3363	10.89133	10.87765
10230	M289T10_	1.396655	0.481975	0.573622	0.584547	0.865656	UP	288.5291	288.5287	288.532	9.972483	9.811217
10231	M778T44	1.122184	0.16631	0.570592	0.584567	0.865657	UP	778.0473	778.0458	778.0474	44.1065	44.03467
10232	M353T10_	1.110457	0.151154	0.573096	0.584576	0.865657	UP	352.9767	352.9766	352.977	9.8235	9.728083
10233	M233T11_	1.067902	-0.09478	-0.57549	0.584665	0.865663	DOWN	232.7411	232.741	232.7412	10.89875	10.879
10234	M460T10_	1.245991	0.317293	0.584254	0.584714	0.865666	UP	460.1374	460.1367	460.1376	9.9847	9.8753
10235	M1131T10	1.276543	-0.35224	-0.56977	0.584761	0.865669	DOWN	1131.414	1131.413	1131.422	9.8445	9.6681
10236	M655T10_	1.199196	0.262068	0.573307	0.584846	0.865674	UP	654.5731	654.5727	654.5745	9.95605	9.843367
10237	M730T11_	1.108892	-0.14912	-0.57349	0.584855	0.865675	DOWN	729.6665	729.6658	729.6669	10.892	10.8646
10238	M479T9_8	1.325506	0.406544	0.586428	0.584929	0.86568	UP	479.309	479.3083	479.3212	8.902258	8.7891
10239	M608T10_	1.242401	-0.31313	-0.5807	0.585076	0.865689	DOWN	608.344	608.3434	608.3446	9.975217	9.8753
10240	M217T8	1.134256	0.181746	0.570268	0.58509	0.86569	UP	217.1045	217.1043	217.1046	8.424325	8.279433
10241	M1928T10	1.366985	0.450997	0.584484	0.585112	0.865691	UP	1928.342	1928.34	1928.344	9.8374	9.73145
10242	M338T10_	1.131821	-0.17865	-0.56868	0.585219	0.865698	DOWN	338.476	338.4704	338.4762	9.823575	9.715683
10243	M402T11_	1.142294	0.191934	0.568539	0.585453	0.865712	UP	402.4001	402.3997	402.4005	10.90551	10.87572
10244	M440T11_	1.148378	0.199598	0.576972	0.58565	0.865725	UP	440.2228	440.2225	440.223	10.9212	10.90197
10245	M252T10_	1.15296	0.205343	0.575189	0.585653	0.865725	UP	252.3424	252.3423	252.3426	9.938708	9.827283
10246	M225T44_	1.156994	-0.21038	-0.58787	0.585678	0.865726	DOWN	225.1482	225.1481	225.1484	43.716	43.64633
10247	M459T26	1.25169	0.323878	0.578102	0.58569	0.865727	UP	459.2712	459.2709	459.2714	25.92483	25.87933
10248	M479T11_	1.148901	-0.20025	-0.56997	0.585841	0.865737	DOWN	479.4348	479.4345	479.4351	10.9049	10.89125
10249	M564T40_	1.168022	0.224067	0.567608	0.585965	0.865744	UP	564.3012	564.301	564.3016	40.30917	40.09333
10250	M362T11_	1.071016	-0.09898	-0.56904	0.585978	0.865745	DOWN	362.2083	362.2079	362.2114	10.91878	10.879
10251	M516T11_	1.06082	-0.08518	-0.57543	0.58598	0.865745	DOWN	515.9778	515.9776	515.9781	10.53543	10.48782
10252	M1649T10	1.153494	-0.20601	-0.56705	0.586241	0.865761	DOWN	1648.9	1648.899	1648.904	9.915583	9.811217
10253	M462T40_	1.093518	0.128977	0.586959	0.586267	0.865763	UP	462.2695	462.2693	462.2695	40.02133	40.02117
10254	M234T9_8	1.328004	0.40926	0.567752	0.586553	0.865781	UP	234.1424	234.1406	234.1464	9.276833	9.132267

10255	M514T9_4	1.164034	-0.21913	-0.57484	0.586592	0.865783	DOWN	514.1087	514.1085	514.1103	9.4498	9.355317
10256	M326T11_	1.157678	0.211234	0.573836	0.586609	0.865784	UP	326.4105	326.4098	326.4112	10.90657	10.84847
10257	M472T10_	1.129361	-0.17551	-0.57005	0.586622	0.865785	DOWN	471.582	471.581	471.5822	9.967367	9.859233
10258	M738T10_	1.12894	-0.17497	-0.57759	0.586643	0.865787	DOWN	738.0869	738.086	738.087	9.977442	9.8753
10259	M287T44_	1.126338	0.17164	0.56662	0.586706	0.86579	UP	287.1486	287.1485	287.1488	44.0345	43.9485
10260	M365T10_	1.110318	-0.15097	-0.57073	0.586765	0.865794	DOWN	365.4577	365.4569	365.4578	9.8207	9.699733
10261	M212T9_1	1.480779	-0.56636	-0.56824	0.586825	0.865798	DOWN	212.4742	212.4725	212.4747	9.3471	9.132267
10262	M600T10_	1.102674	0.141007	0.57554	0.58702	0.86581	UP	600.3261	600.3253	600.3299	9.825492	9.728083
10263	M411T10_	1.161478	0.215962	0.573031	0.587065	0.865813	UP	411.2362	411.2359	411.2365	9.968992	9.859233
10264	M283T20	1.167072	-0.22289	-0.56575	0.587076	0.865813	DOWN	283.3104	283.3103	283.3106	20.426	20.40417
10265	M401T11_	1.336064	0.417989	0.569093	0.587133	0.865817	UP	401.4683	401.4655	401.477	10.91977	10.87708
10266	M252T9_3	1.202489	-0.26602	-0.56657	0.587171	0.865819	DOWN	251.9059	251.9029	251.9072	9.285542	9.132267
10267	M722T10_	1.083902	0.116234	0.578039	0.587172	0.865819	UP	722.0493	722.0481	722.05	9.739308	9.4159
10268	M1292T26	1.234993	0.304503	0.565678	0.587225	0.865823	UP	1291.953	1291.952	1291.954	26.01367	25.98083
10269	M635T11_	1.102709	-0.14105	-0.56984	0.587227	0.865823	DOWN	635.2598	635.2596	635.2611	10.892	10.8646
10270	M343T11_	1.128482	0.174384	0.57204	0.587255	0.865825	UP	343.2534	343.2533	343.2541	10.892	10.85018
10271	M360T10_	1.137476	-0.18584	-0.56649	0.587338	0.86583	DOWN	360.236	360.2357	360.2361	9.893283	9.840617
10272	M289T11_	1.171423	0.228263	0.565377	0.587371	0.865832	UP	289.0432	289.0431	289.0433	10.91401	10.877
10273	M216T12_	1.159846	-0.21393	-0.56524	0.587407	0.865834	DOWN	216.1744	216.1743	216.1746	11.56974	11.54862
10274	M218T10_	1.374857	-0.45928	-0.56524	0.58742	0.865835	DOWN	218.1101	218.1101	218.1104	9.63045	9.556217
10275	M396T9_5	1.13079	-0.17733	-0.56576	0.58744	0.865836	DOWN	395.8818	395.8807	395.884	9.2386	9.06855
10276	M494T9_4	1.159132	-0.21304	-0.56546	0.587454	0.865837	DOWN	493.6918	493.6916	493.6921	9.175017	9.12675
10277	M384T11_	1.130426	-0.17687	-0.57706	0.587474	0.865838	DOWN	384.0538	384.0536	384.0546	10.90657	10.879
10278	M946T10_	1.204012	0.26785	0.566496	0.587561	0.865844	UP	945.636	945.6353	945.6368	9.996725	9.90755
10279	M203T8_2	1.473115	0.55887	0.584136	0.587609	0.865847	UP	203.0523	203.0522	203.0525	8.181483	8.071983
10280	M645T9_2	1.201679	0.265052	0.566503	0.587618	0.865847	UP	644.8969	644.8873	644.8985	9.240775	9.04725
10281	M409T10_	1.174954	0.232604	0.566949	0.587619	0.865847	UP	408.6115	408.611	408.6117	9.967367	9.859233
10282	M373T10_	1.193711	0.255454	0.564962	0.587728	0.865854	UP	372.6156	372.6073	372.6158	9.942317	9.827283
10283	M318T10_	1.171663	0.228558	0.586522	0.587733	0.865854	UP	318.2212	318.2209	318.2223	9.841308	9.73145
10284	M519T15	1.086709	0.119965	0.567022	0.587762	0.865856	UP	519.3895	519.3886	519.3904	14.8973	14.86757
10285	M415T11_	1.082604	-0.11451	-0.5646	0.587879	0.865863	DOWN	414.5456	414.5454	414.5468	10.89875	10.879
10286	M288T24_	1.850838	0.888179	0.564902	0.587892	0.865864	UP	288.3332	288.3266	288.3408	24.08483	23.98183
10287	M227T10_	1.236842	0.306661	0.585427	0.587903	0.865865	UP	226.5085	226.4994	226.5087	9.933567	9.827283
10288	M623T9_7	1.283129	-0.35967	-0.56478	0.587913	0.865865	DOWN	623.4434	623.4431	623.4436	8.693858	8.586967
10289	M227T7_1	1.243981	-0.31496	-0.56492	0.588123	0.865878	DOWN	226.9513	226.9512	226.9514	7.404058	7.2944

10290	M235T9_7	1.170273	-0.22685	-0.57269	0.588158	0.865881	DOWN	234.9954	234.9945	234.9962	9.310917	9.132267
10291	M594T11_	1.163456	0.218417	0.56795	0.588159	0.865881	UP	594.3463	594.3451	594.3488	10.84847	10.82935
10292	M757T11	1.085906	-0.1189	-0.56413	0.58819	0.865883	DOWN	756.6643	756.6639	756.6652	10.892	10.879
10293	M233T11_	1.075863	-0.10549	-0.56655	0.588351	0.865893	DOWN	233.2591	233.259	233.2592	10.89875	10.879
10294	M260T10_	1.168433	-0.22458	-0.56389	0.588372	0.865894	DOWN	260.3793	260.3787	260.3795	9.950258	9.827283
10295	M354T10_	1.231926	-0.30092	-0.5634	0.588613	0.865909	DOWN	353.6973	353.697	353.711	9.8322	9.728083
10296	M239T10_	1.236888	0.306715	0.569999	0.588659	0.865912	UP	239.4988	239.4984	239.505	9.967517	9.8753
10297	M278T11_	1.083751	-0.11603	-0.5639	0.588659	0.865912	DOWN	277.8432	277.8431	277.8434	10.892	10.879
10298	M252T10_	1.086859	-0.12016	-0.56415	0.588755	0.865918	DOWN	252.2321	252.2318	252.2322	10.43905	10.39298
10299	M451T24	1.170853	0.22756	0.563104	0.588803	0.86592	UP	451.3607	451.3604	451.361	24.023	23.9865
10300	M409T9_5	1.101627	0.139636	0.563909	0.588821	0.865922	UP	409.3877	409.3871	409.388	9.3385	9.204617
10301	M400T12_	1.150063	-0.20171	-0.56458	0.588829	0.865922	DOWN	400.1866	400.1863	400.1868	11.60903	11.59273
10302	M724T23	1.086267	-0.11938	-0.56981	0.588909	0.865927	DOWN	724.3388	724.3385	724.3393	23.11742	23.0885
10303	M242T9_2	1.174806	-0.23242	-0.57868	0.588953	0.86593	DOWN	241.8292	241.8263	241.8298	9.320483	9.234417
10304	M481T10_	1.422751	0.508683	0.562847	0.588965	0.86593	UP	480.7821	480.782	480.7832	9.74925	9.729367
10305	M315T10_	1.312551	0.392374	0.584862	0.58902	0.865934	UP	315.1249	315.1247	315.1252	9.967533	9.8753
10306	M311T19_	1.499922	0.584887	0.563693	0.58903	0.865934	UP	311.2464	311.2458	311.2471	18.64333	18.62917
10307	M396T44_	1.169147	-0.22546	-0.57126	0.589038	0.865935	DOWN	396.2225	396.2224	396.2227	43.73267	43.58883
10308	M338T11_	1.09742	-0.13412	-0.56272	0.589182	0.865944	DOWN	337.985	337.9849	337.9852	10.892	10.879
10309	M477T10_	1.257525	0.330587	0.562769	0.589302	0.865951	UP	477.0554	477.0552	477.0555	9.76855	9.65225
10310	M531T9_1	1.167659	-0.22362	-0.57882	0.589395	0.865957	DOWN	530.5657	530.5623	530.5669	9.2468	9.1445
10311	M166T9_1	1.201382	-0.26469	-0.56726	0.589412	0.865958	DOWN	165.8452	165.8446	165.8455	9.317	9.219483
10312	M474T9_7	1.370305	0.454497	0.584398	0.589537	0.865966	UP	474.3229	474.3117	474.3231	9.186017	9.110833
10313	M357T11_	1.105165	-0.14426	-0.56523	0.589593	0.865969	DOWN	357.3686	357.3684	357.3688	10.892	10.8646
10314	M696T10_	1.152112	-0.20428	-0.57237	0.589601	0.86597	DOWN	695.9155	695.9153	695.9158	9.972483	9.8753
10315	M226T9_2	1.150525	-0.20229	-0.57202	0.589632	0.865972	DOWN	225.8829	225.8821	225.8832	9.270833	9.132267
10316	M401T11_	1.84602	-0.88442	-0.56219	0.589646	0.865972	DOWN	401.3395	401.3386	401.3421	10.9006	10.78678
10317	M324T11_	1.101705	-0.13974	-0.56506	0.589655	0.865973	DOWN	324.35	324.3498	324.3504	10.892	10.8646
10318	M361T10_	1.513729	0.598107	0.573606	0.589655	0.865973	UP	360.5228	360.5223	360.5231	9.811408	9.7124
10319	M221T10_	1.319321	-0.3998	-0.56336	0.589674	0.865974	DOWN	220.7328	220.7217	220.734	9.844992	9.715683
10320	M496T32	1.251874	0.32409	0.571985	0.589736	0.865978	UP	496.3392	496.339	496.3398	32.21492	32.20033
10321	M243T10_	1.112363	-0.15363	-0.56613	0.589741	0.865978	DOWN	242.6234	242.6233	242.6235	9.97385	9.8753
10322	M260T10_	1.190407	-0.25145	-0.57267	0.589741	0.865978	DOWN	260.0612	260.0611	260.0613	9.894317	9.827283
10323	M509T9_3	1.267269	-0.34172	-0.56729	0.589855	0.865985	DOWN	509.2207	509.2197	509.2211	8.985083	8.82795
10324	M476T44	1.354211	-0.43745	-0.56355	0.589895	0.865988	DOWN	476.2487	476.2484	476.2604	43.79033	43.642

10325	M524T35	1.122618	-0.16687	-0.58395	0.589918	0.865989	DOWN	524.3061	524.3059	524.3062	35.41383	35.23917
10326	M869T10_	1.136203	0.18422	0.578877	0.590035	0.865996	UP	868.574	868.5737	868.5748	9.985733	9.8753
10327	M730T11_	1.093268	-0.12865	-0.56162	0.590113	0.866001	DOWN	730.4927	730.4918	730.4934	10.54073	10.50338
10328	M272T7	1.246616	-0.31802	-0.56435	0.590162	0.866004	DOWN	272.1851	272.185	272.1852	7.376933	7.282133
10329	M400T10_	1.138065	0.186583	0.572464	0.590181	0.866005	UP	399.8326	399.8322	399.8334	9.930908	9.827283
10330	M454T9_1	1.180614	0.239537	0.577297	0.590194	0.866006	UP	454.2762	454.2757	454.2786	9.206033	9.12675
10331	M247T30	1.196178	0.258432	0.577356	0.590327	0.866014	UP	247.2265	247.2264	247.2266	29.74667	29.732
10332	M342T10_	1.140744	-0.18998	-0.56162	0.590407	0.866019	DOWN	342.0567	342.0564	342.0569	9.8207	9.699733
10333	M391T11_	1.167482	0.2234	0.57718	0.590477	0.866024	UP	391.4153	391.4149	391.4158	10.90765	10.8646
10334	M308T10_	1.154161	0.206844	0.560639	0.590539	0.866027	UP	308.2152	308.2151	308.2156	10.40392	10.35992
10335	M561T30_	1.268465	-0.34308	-0.56604	0.590605	0.866031	DOWN	560.9022	560.9018	560.903	29.58858	29.5585
10336	M336T11_	1.096755	-0.13324	-0.5603	0.590624	0.866033	DOWN	336.4419	336.4417	336.442	10.892	10.879
10337	M198T10_	1.075882	0.105519	0.570196	0.590718	0.866038	UP	197.6726	197.6724	197.6727	9.984083	9.8753
10338	M400T11_	1.137618	0.186016	0.566058	0.590914	0.86605	UP	400.3401	400.3399	400.3405	10.892	10.879
10339	M238T11_	1.117401	-0.16015	-0.56516	0.590915	0.86605	DOWN	237.6745	237.6743	237.6745	10.92203	10.8926
10340	M352T11_	1.340032	0.422268	0.560451	0.59098	0.866054	UP	352.1657	352.1615	352.1668	10.91977	10.90393
10341	M296T10_	1.123627	-0.16816	-0.56655	0.590991	0.866055	DOWN	296.0996	296.0994	296.1	9.94785	9.843367
10342	M255T10_	1.128588	-0.17452	-0.56056	0.590996	0.866055	DOWN	254.6524	254.6522	254.6524	9.957333	9.843367
10343	M236T11_	1.086985	-0.12033	-0.55973	0.591007	0.866056	DOWN	236.1939	236.1939	236.1942	10.89875	10.8646
10344	M697T10_	1.102805	-0.14118	-0.55968	0.591061	0.866059	DOWN	697.309	697.3089	697.3096	9.831517	9.715683
10345	M341T9_3	1.267791	-0.34232	-0.56012	0.591106	0.866062	DOWN	341.2748	341.2746	341.2749	9.257558	9.1587
10346	M326T12	1.161215	0.215635	0.563908	0.591177	0.866067	UP	325.7126	325.7122	325.7126	11.50572	11.4828
10347	M620T20	1.166865	-0.22264	-0.55967	0.591185	0.866067	DOWN	620.4345	620.4338	620.4351	20.41133	20.375
10348	M341T11_	1.143401	-0.19333	-0.56609	0.591309	0.866075	DOWN	341.1795	341.1792	341.18	11.48973	11.46753
10349	M676T10_	1.152143	-0.20432	-0.56091	0.591385	0.866079	DOWN	675.5223	675.522	675.5249	9.830558	9.715683
10350	M299T39_	1.022157	0.031616	0.574349	0.591405	0.866081	UP	299.1487	299.1486	299.1489	39.25167	39.18667
10351	M640T11_	1.156731	0.210053	0.568208	0.591433	0.866082	UP	640.295	640.2936	640.2998	10.92684	10.89125
10352	M336T10_	1.166269	-0.2219	-0.55919	0.591458	0.866084	DOWN	335.8717	335.8716	335.8725	9.823575	9.699733
10353	M225T42_	1.247183	0.318673	0.576398	0.591466	0.866084	UP	225.1119	225.1118	225.112	41.5105	41.35933
10354	M410T12	1.134425	-0.18196	-0.559	0.591507	0.866087	DOWN	410.3092	410.3087	410.3098	11.98318	11.95752
10355	M216T11_	1.115041	-0.1571	-0.56113	0.591513	0.866087	DOWN	215.5565	215.5562	215.557	10.89907	10.879
10356	M272T9_2	1.436942	-0.523	-0.56725	0.591514	0.866087	DOWN	272.2327	272.2318	272.2335	9.441667	9.297883
10357	M881T11_	1.179944	-0.23872	-0.57744	0.591549	0.866089	DOWN	881.4631	881.4622	881.4635	10.94009	10.89355
10358	M237T11_	1.121685	-0.16567	-0.5619	0.59157	0.866091	DOWN	236.8645	236.8643	236.8646	10.90522	10.879
10359	M1988T10	1.124942	-0.16985	-0.56508	0.591622	0.866094	DOWN	1988.11	1988.107	1988.112	9.834117	9.715683



10360	M298T10_	1.208553	0.273281	0.56443	0.591643	0.866095	UP	297.558	297.5578	297.5581	9.975217	9.8753
10361	M523T11_	1.125402	0.17044	0.558698	0.591748	0.866102	UP	522.6731	522.6719	522.6738	10.8926	10.88995
10362	M352T10_	1.119769	0.163201	0.579314	0.591876	0.866109	UP	351.7517	351.7516	351.7518	9.901375	9.779267
10363	M484T30_	1.095489	-0.13158	-0.56937	0.591962	0.866115	DOWN	484.384	484.3835	484.3841	30.26608	30.25233
10364	M339T10_	1.165949	0.221505	0.559537	0.592013	0.866118	UP	338.8882	338.8876	338.8883	9.968992	9.859233
10365	M209T8	1.369751	0.453914	0.575987	0.592021	0.866118	UP	208.8906	208.8905	208.8908	7.661067	7.476967
10366	M464T11_	1.074478	-0.10364	-0.55822	0.592055	0.86612	DOWN	463.9686	463.9683	463.9688	10.89875	10.879
10367	M601T45	1.05692	-0.07987	-0.55792	0.592168	0.866127	DOWN	601.4398	601.4386	601.4402	44.9835	44.98283
10368	M1572T10	1.146381	0.197087	0.573896	0.59227	0.866134	UP	1572.43	1572.425	1572.433	9.952017	9.859233
10369	M956T10_	1.277019	0.35278	0.56219	0.592274	0.866134	UP	955.9547	955.9535	955.9552	9.91875	9.811217
10370	M375T19_	1.214943	-0.28089	-0.55856	0.592436	0.866144	DOWN	374.7585	374.7582	374.7589	19.11258	19.05283
10371	M527T21	1.197496	0.26002	0.574897	0.592494	0.866147	UP	527.2775	527.2763	527.278	20.72183	20.63683
10372	M272T10_	1.102621	0.140937	0.557374	0.592681	0.866159	UP	271.8976	271.8975	271.8978	9.94405	9.843367
10373	M351T10_	1.113914	0.155638	0.578253	0.59271	0.86616	UP	351.2502	351.2501	351.2503	9.901375	9.779267
10374	M1574T10	1.300707	0.379296	0.561153	0.592845	0.866169	UP	1573.572	1573.57	1573.572	9.946467	9.859233
10375	M393T20_	1.219155	0.285881	0.55754	0.592853	0.866169	UP	393.466	393.4622	393.4697	20.24783	20.21583
10376	M524T42_	1.114863	-0.15687	-0.55746	0.592999	0.866178	DOWN	524.3061	524.306	524.3062	41.96992	41.77633
10377	M539T11_	1.137687	-0.1861	-0.55662	0.593018	0.866179	DOWN	539.4725	539.4721	539.4732	10.93468	10.89355
10378	M379T10_	1.580811	-0.66067	-0.57583	0.593109	0.866185	DOWN	379.0687	379.0681	379.0722	9.956867	9.830083
10379	M442T9_1	1.133217	-0.18042	-0.55647	0.593132	0.866186	DOWN	441.7883	441.7877	441.7887	8.968967	8.89395
10380	M793T11_	1.101367	-0.1393	-0.55651	0.593152	0.866187	DOWN	792.5586	792.5583	792.5607	10.892	10.879
10381	M316T10_	1.1193	0.162597	0.55957	0.593196	0.86619	UP	315.9157	315.9155	315.9163	9.969925	9.8753
10382	M410T9_9	1.124404	-0.16916	-0.5689	0.593322	0.866198	DOWN	410.4242	410.4228	410.4243	9.191133	9.142767
10383	M486T30	1.161733	-0.21628	-0.56711	0.59346	0.866206	DOWN	486.3902	486.389	486.3909	30.25275	30.2235
10384	M450T41_	1.195423	-0.25752	-0.57812	0.593494	0.866208	DOWN	450.2332	450.233	450.2333	40.84133	40.58233
10385	M636T11_	1.104693	-0.14365	-0.55945	0.59362	0.866216	DOWN	636.1665	636.1662	636.1677	10.892	10.8646
10386	M378T9_1	1.145041	-0.1954	-0.55988	0.593724	0.866222	DOWN	378.3572	378.3561	378.3615	9.29345	9.129317
10387	M1024T10	1.15587	0.208979	0.555688	0.593853	0.86623	UP	1023.609	1023.597	1023.61	9.659033	9.556217
10388	M534T44_	1.212965	-0.27854	-0.57453	0.593979	0.866238	DOWN	534.3269	534.3267	534.327	44.1425	43.90517
10389	M457T12	1.167565	-0.2235	-0.56083	0.593996	0.866239	DOWN	457.3143	457.3137	457.3151	11.58313	11.55517
10390	M289T9_5	1.427436	0.513427	0.556715	0.594003	0.866239	UP	289.1896	289.1892	289.1898	8.796167	8.745033
10391	M443T19	1.167077	-0.2229	-0.5586	0.594041	0.866241	DOWN	443.1334	443.1331	443.1348	19.20125	19.18333
10392	M209T41	1.045163	-0.06373	-0.56346	0.594093	0.866245	DOWN	209.1533	209.1532	209.1535	41.35933	41.12883
10393	M614T10_	1.172184	0.2292	0.555706	0.594101	0.866245	UP	613.7657	613.7653	613.7661	9.958617	9.859233
10394	M709T9_3	1.133347	-0.18059	-0.5552	0.594105	0.866245	DOWN	708.9536	708.9534	708.9546	8.91235	8.8622

10395	M205T11_	1.077443	-0.10761	-0.55587	0.59412	0.866246	DOWN	205.321	205.3209	205.3212	10.90551	10.879
10396	M569T9_7	1.205082	0.269131	0.569317	0.594197	0.866251	UP	569.4467	569.4461	569.4475	9.421867	9.223417
10397	M393T11_	1.095169	0.131153	0.567345	0.594221	0.866252	UP	393.23	393.2266	393.2318	10.92661	10.88995
10398	M600T10_	1.18408	-0.24377	-0.5592	0.5943	0.866257	DOWN	600.3071	600.3061	600.3081	9.58245	9.49445
10399	M716T10_	1.162874	0.217695	0.555197	0.594335	0.866259	UP	716.4761	716.4757	716.4771	9.5565	9.4632
10400	M313T10_	1.150978	-0.20286	-0.56737	0.594335	0.866259	DOWN	313.3254	313.325	313.3271	9.802117	9.7124
10401	M524T9_6	1.078553	-0.1091	-0.56721	0.594597	0.866275	DOWN	524.2167	524.2153	524.217	9.415533	9.30965
10402	M370T11_	1.08606	-0.1191	-0.55406	0.594695	0.866281	DOWN	370.1238	370.1236	370.124	10.892	10.879
10403	M333T10_	1.05062	0.071242	0.570347	0.594715	0.866282	UP	333.1235	333.1233	333.1242	9.864467	9.73145
10404	M463T11_	1.074834	-0.10411	-0.55402	0.594757	0.866285	DOWN	462.5608	462.5606	462.5613	10.892	10.879
10405	M220T9_1	1.224938	0.292709	0.557635	0.594762	0.866285	UP	220.3878	220.3874	220.3888	9.287617	9.132267
10406	M919T11_	1.082698	-0.11463	-0.55476	0.594803	0.866288	DOWN	919.3764	919.3761	919.378	10.89875	10.879
10407	M681T30	1.13711	0.185372	0.554077	0.594818	0.866289	UP	681.4179	681.4174	681.4182	30.26633	30.25233
10408	M298T11_	1.068058	-0.09499	-0.55601	0.594857	0.866291	DOWN	298.3973	298.3971	298.3976	10.90343	10.879
10409	M160T10_	1.142935	-0.19274	-0.56159	0.594947	0.866296	DOWN	159.6275	159.6273	159.6275	9.950258	9.843367
10410	M552T11_	1.126652	-0.17204	-0.55907	0.594994	0.866299	DOWN	552.4168	552.415	552.4176	10.90765	10.877
10411	M457T9_1	1.51898	0.603103	0.570327	0.594995	0.866299	UP	457.3385	457.3379	457.3392	8.825567	8.745917
10412	M358T10_	1.164153	-0.21928	-0.5563	0.594996	0.866299	DOWN	357.9669	357.9667	357.9672	9.962617	9.859233
10413	M403T15_	1.098318	-0.1353	-0.56382	0.595001	0.8663	DOWN	403.1014	403.101	403.1018	14.92703	14.92685
10414	M495T10_	1.094935	-0.13085	-0.56652	0.59504	0.866302	DOWN	495.449	495.4486	495.4494	9.82645	9.747533
10415	M390T11_	1.094096	-0.12974	-0.55369	0.59506	0.866303	DOWN	389.6193	389.6191	389.6199	10.90659	10.85838
10416	M721T11	1.36679	-0.45079	-0.56215	0.59508	0.866304	DOWN	720.9129	720.9125	720.9139	11.24178	11.19848
10417	M438T44	1.151479	-0.20349	-0.55381	0.595144	0.866308	DOWN	438.2693	438.2692	438.2696	44.24758	44.129
10418	M224T10_	1.20656	-0.2709	-0.55508	0.595173	0.86631	DOWN	223.533	223.5308	223.535	9.88615	9.874317
10419	M1001T11	1.191495	-0.25277	-0.55829	0.595234	0.866314	DOWN	1001.443	1001.443	1001.443	11.37373	11.3298
10420	M387T16_	1.122921	-0.16726	-0.55403	0.595261	0.866315	DOWN	387.2485	387.2485	387.2489	16.06738	15.9172
10421	M455T9_1	1.185321	0.245278	0.569122	0.595268	0.866316	UP	455.2106	455.2102	455.2153	9.197983	9.11405
10422	M530T10_	1.174099	-0.23155	-0.55796	0.595324	0.866319	DOWN	530.0084	530.0079	530.0087	9.943183	9.843367
10423	M292T9_1	1.255518	-0.32828	-0.55399	0.595579	0.866335	DOWN	291.6674	291.6671	291.6679	9.388367	9.264333
10424	M656T10_	1.117518	-0.1603	-0.55376	0.595673	0.86634	DOWN	656.3303	656.3296	656.3319	9.962617	9.843367
10425	M221T9_9	1.124104	-0.16878	-0.56	0.595843	0.866351	DOWN	221.0451	221.0433	221.0458	9.297883	9.224517
10426	M305T10_	1.218214	0.284768	0.554864	0.595873	0.866352	UP	304.5148	304.5146	304.515	9.967367	9.859233
10427	M808T10_	1.225649	-0.29355	-0.5527	0.595938	0.866356	DOWN	807.6526	807.6515	807.654	9.931317	9.903017
10428	M432T9_5	1.093235	-0.1286	-0.55216	0.595971	0.866358	DOWN	431.9811	431.9805	431.9822	9.289892	9.129317
10429	M580T44_	1.07453	-0.10371	-0.56054	0.595997	0.86636	DOWN	580.3327	580.3326	580.3328	43.79008	43.61767

10430	M637T10_	1.124305	0.169033	0.571322	0.596018	0.866361	UP	636.7566	636.756	636.7592	9.8397	9.715683
10431	M333T10_	1.107866	-0.14778	-0.55278	0.596093	0.866366	DOWN	332.8125	332.812	332.813	9.828367	9.683817
10432	M500T11_	1.153662	0.206221	0.555068	0.596117	0.866367	UP	499.7222	499.7199	499.7237	10.90765	10.85838
10433	M410T23_	1.210913	0.276096	0.556428	0.596134	0.866368	UP	409.7886	409.7886	409.7889	22.91483	22.857
10434	M405T11_	1.149764	-0.20134	-0.55868	0.596149	0.866369	DOWN	405.3	405.2999	405.3004	10.90659	10.879
10435	M166T9_3	1.224699	-0.29243	-0.55152	0.596391	0.866384	DOWN	165.9507	165.9502	165.9511	9.332617	9.234417
10436	M247T11_	1.107961	-0.14791	-0.55138	0.596447	0.866387	DOWN	246.9991	246.9989	246.9994	10.89875	10.8646
10437	M199T9_8	1.416036	0.501858	0.561825	0.596474	0.866389	UP	199.2555	199.254	199.2564	9.2585	9.16125
10438	M241T9_1	1.279794	-0.35591	-0.55131	0.596545	0.866393	DOWN	240.639	240.639	240.6392	9.3332	9.249433
10439	M357T10_	1.353782	-0.437	-0.55128	0.596685	0.866401	DOWN	356.547	356.5451	356.5489	9.9	9.840617
10440	M779T10_	1.064133	-0.08968	-0.55691	0.596717	0.866403	DOWN	779.3111	779.3102	779.3131	9.916617	9.811217
10441	M406T9_4	1.092556	0.127708	0.560023	0.596718	0.866403	UP	406.0255	406.0254	406.0262	8.817708	8.724633
10442	M801T27	1.238381	-0.30846	-0.55333	0.596741	0.866405	DOWN	801.081	801.0808	801.0813	26.78242	26.73767
10443	M270T31	1.051454	-0.07239	-0.55881	0.596755	0.866406	DOWN	270.2506	270.2504	270.2507	31.37767	31.34883
10444	M789T10_	1.215439	0.281477	0.555003	0.596809	0.866409	UP	788.7138	788.7128	788.7145	9.946367	9.8914
10445	M331T10_	1.103979	-0.14271	-0.56043	0.596831	0.86641	DOWN	330.914	330.9138	330.9141	9.8397	9.715683
10446	M278T10_	1.08236	-0.11418	-0.55264	0.596844	0.866411	DOWN	278.012	278.0117	278.0135	9.946467	9.843367
10447	M188T9_1	1.338807	-0.42095	-0.55611	0.59694	0.866417	DOWN	188.1909	188.1902	188.1917	9.197733	9.1587
10448	M608T12	1.164845	-0.22014	-0.55137	0.596984	0.866419	DOWN	608.4833	608.4824	608.4838	11.70864	11.68457
10449	M719T10_	1.090496	-0.12498	-0.56414	0.597164	0.86643	DOWN	719.4936	719.4902	719.495	9.558908	9.38595
10450	M1036T18	1.271717	-0.34678	-0.55572	0.59727	0.866437	DOWN	1035.838	1035.837	1035.838	17.8655	17.84883
10451	M309T10_	1.142065	0.191645	0.557112	0.597284	0.866437	UP	309.1112	309.1109	309.1115	9.948875	9.843367
10452	M221T9_1	1.308482	0.387894	0.555762	0.59729	0.866438	UP	221.119	221.1182	221.1199	9.295167	9.1428
10453	M287T10_	1.300305	0.37885	0.570316	0.597291	0.866438	UP	287.4432	287.4426	287.4526	9.845483	9.73145
10454	M435T9_5	1.220848	0.287883	0.550816	0.597376	0.866443	UP	434.78	434.7796	434.7802	8.806967	8.697767
10455	M480T9_2	1.118074	-0.16102	-0.5499	0.597424	0.866446	DOWN	479.5778	479.5766	479.5782	9.2311	9.129317
10456	M884T10_	1.172346	0.229398	0.550847	0.597508	0.866451	UP	883.956	883.9544	883.9571	9.939575	9.827283
10457	M552T9_7	1.251267	-0.32339	-0.55106	0.597549	0.866453	DOWN	551.9741	551.9711	551.976	9.16125	9.142767
10458	M697T10_	1.085023	0.117726	0.551206	0.597627	0.866458	UP	697.463	697.4626	697.4636	10.25295	10.18238
10459	M288T20_	1.101507	-0.13948	-0.56547	0.597635	0.866458	DOWN	288.1957	288.1955	288.1958	20.04017	20.0185
10460	M757T31	1.143937	-0.19401	-0.54981	0.59765	0.866459	DOWN	757.4711	757.4705	757.4717	31.25558	31.21917
10461	M650T9_1	1.314898	-0.39495	-0.56501	0.597687	0.866462	DOWN	649.7338	649.7337	649.7347	9.268917	9.235933
10462	M395T11_	1.130001	-0.17632	-0.55018	0.597985	0.866479	DOWN	395.1801	395.1796	395.1819	10.892	10.88995
10463	M285T10_	1.1681	0.224164	0.566984	0.598097	0.866486	UP	285.246	285.2409	285.2462	9.942317	9.759167
10464	M420T41	1.126451	-0.17178	-0.56199	0.598364	0.866502	DOWN	420.2227	420.2225	420.2229	40.899	40.69733

10465	M460T11_	1.147598	-0.19862	-0.54979	0.598434	0.866506	DOWN	460.349	460.3476	460.3497	10.89308	10.88995
10466	M417T11_	1.162964	0.217806	0.558061	0.598472	0.866509	UP	417.2725	417.2722	417.273	11.26665	11.2423
10467	M418T11_	1.089598	0.123795	0.550111	0.598677	0.866521	UP	417.7192	417.7187	417.72	10.90522	10.879
10468	M156T10_	1.194593	-0.25652	-0.55553	0.59877	0.866526	DOWN	155.8814	155.8812	155.8818	9.886083	9.79065
10469	M350T9_3	1.436861	0.52292	0.559863	0.598959	0.866538	UP	349.7761	349.7759	349.7762	9.110958	9.04175
10470	M525T10_	1.062748	0.087799	0.54939	0.598984	0.866539	UP	524.6517	524.6513	524.6518	9.851583	9.73145
10471	M231T10_	1.155072	0.207983	0.56004	0.599035	0.866542	UP	230.769	230.7688	230.7692	9.939283	9.827283
10472	M559T11_	1.195806	-0.25798	-0.54753	0.599135	0.866548	DOWN	559.3607	559.3599	559.3611	10.91372	10.879
10473	M233T26	1.131215	0.177873	0.553754	0.599201	0.866552	UP	233.2107	233.2105	233.2108	26.25033	26.22283
10474	M328T10_	1.163895	0.218961	0.567135	0.599302	0.866558	UP	327.7066	327.7061	327.7069	9.823575	9.699733
10475	M267T11_	1.181046	-0.24007	-0.54742	0.59932	0.866559	DOWN	266.6055	266.6053	266.6056	10.92731	10.90197
10476	M473T9_7	1.226915	-0.29504	-0.54804	0.59932	0.866559	DOWN	473.2523	473.2513	473.2535	9.36145	9.046783
10477	M487T9_2	1.272292	-0.34743	-0.54704	0.599402	0.866564	DOWN	487.3738	487.3733	487.3742	9.286983	9.1587
10478	M195T9_1	1.319449	0.399936	0.563846	0.59945	0.866567	UP	195.1413	195.1404	195.1416	9.329083	9.219483
10479	M552T42_	1.07941	-0.11024	-0.54907	0.599454	0.866567	DOWN	552.3011	552.3008	552.3013	41.8915	41.56067
10480	M706T10_	1.312503	0.392321	0.563807	0.599509	0.866571	UP	705.853	705.8482	705.8537	9.848417	9.715683
10481	M1569T10	1.203003	-0.26664	-0.54682	0.599542	0.866573	DOWN	1568.74	1568.735	1568.745	9.923867	9.806367
10482	M309T30	1.184082	0.243769	0.555079	0.599559	0.866574	UP	309.2825	309.2823	309.2827	29.91358	29.8915
10483	M299T23	1.179184	0.237789	0.55448	0.599654	0.866579	UP	299.3055	299.3052	299.3056	23.2925	23.29117
10484	M833T10_	1.186595	0.246827	0.547237	0.599799	0.866588	UP	833.4205	833.4197	833.4207	9.967367	9.8753
10485	M317T26	1.17503	0.232697	0.558257	0.599833	0.86659	UP	317.172	317.1717	317.1725	25.9885	25.97967
10486	M481T28	1.337162	0.419174	0.548518	0.599901	0.866594	UP	480.7963	480.7961	480.7965	28.2585	28.21533
10487	M299T31_	1.159654	-0.21369	-0.54676	0.599909	0.866595	DOWN	299.3134	299.3134	299.3136	30.854	30.829
10488	M482T15	1.113719	0.155386	0.549399	0.599931	0.866596	UP	482.3469	482.3467	482.3471	14.50266	14.48632
10489	M421T10_	1.349554	0.432482	0.559706	0.599969	0.866598	UP	420.9782	420.9775	420.9783	9.950625	9.903017
10490	M248T11_	1.074181	-0.10324	-0.54685	0.599993	0.8666	DOWN	248.3684	248.3683	248.3688	10.90657	10.879
10491	M890T10_	1.283081	0.359613	0.55781	0.600028	0.866602	UP	889.5907	889.5897	889.5914	9.874067	9.79535
10492	M640T10_	1.077754	0.108027	0.559241	0.600321	0.866619	UP	640.0286	640.028	640.0293	9.816267	9.699733
10493	M1948T10	1.131401	0.178111	0.551639	0.600349	0.866621	UP	1947.966	1947.965	1947.972	9.816425	9.715683
10494	M366T11_	1.279948	0.356086	0.565881	0.600475	0.866628	UP	366.191	366.1887	366.1914	11.05325	11.02653
10495	M390T44_	1.116523	-0.15901	-0.54703	0.600507	0.86663	DOWN	390.2484	390.2482	390.2485	44.121	44.06333
10496	M1155T11	1.102181	-0.14036	-0.5561	0.600523	0.866631	DOWN	1155.174	1155.169	1155.175	10.92828	10.88995
10497	M198T11_	1.089931	-0.12424	-0.54486	0.600719	0.866643	DOWN	198.1977	198.1976	198.1978	10.892	10.879
10498	M258T9_1	1.130463	-0.17691	-0.54854	0.600729	0.866643	DOWN	257.5187	257.5186	257.5189	8.659975	8.563317
10499	M686T10_	1.151689	-0.20375	-0.54524	0.600735	0.866644	DOWN	685.9079	685.9058	685.909	9.939683	9.9174

10500	M758T11_	1.151575	-0.20361	-0.54508	0.600771	0.866646	DOWN	758.3723	758.372	758.3726	10.87487	10.86253
10501	M577T11_	1.542964	-0.6257	-0.54476	0.600796	0.866647	DOWN	577.3653	577.3651	577.3662	10.70448	10.69123
10502	M673T10_	1.104466	-0.14335	-0.54617	0.600892	0.866653	DOWN	673.4088	673.4082	673.4095	9.825767	9.715683
10503	M1165T10	1.167044	-0.22286	-0.54498	0.600994	0.866659	DOWN	1164.601	1164.599	1164.602	9.959533	9.843367
10504	M311T10_	1.140048	-0.18909	-0.54507	0.601007	0.86666	DOWN	310.7195	310.7193	310.7196	9.97155	9.859233
10505	M229T11_	1.248145	-0.31979	-0.5445	0.601014	0.86666	DOWN	228.5563	228.5562	228.5565	10.8858	10.87487
10506	M174T10_	1.331677	-0.41324	-0.55265	0.601044	0.866662	DOWN	174.4299	174.4296	174.4299	9.968992	9.853533
10507	M335T10_	1.115664	0.157903	0.545262	0.601192	0.866671	UP	335.0792	335.0789	335.0795	9.972483	9.8753
10508	M368T10_	1.16846	0.224609	0.543982	0.601291	0.866677	UP	367.627	367.6268	367.6271	9.858833	9.747533
10509	M830T10_	1.179439	0.238101	0.547247	0.601376	0.866682	UP	829.547	829.5465	829.5477	9.965717	9.859233
10510	M241T11_	1.098996	-0.13619	-0.54522	0.601414	0.866684	DOWN	241.2403	241.2381	241.2405	10.89907	10.873
10511	M196T10_	1.156556	-0.20984	-0.54714	0.601455	0.866686	DOWN	196.0628	196.0626	196.0629	9.915933	9.811217
10512	M564T44_	1.220514	-0.28749	-0.5619	0.601511	0.86669	DOWN	564.3012	564.3011	564.3014	43.9485	43.63217
10513	M544T9_2	1.245528	0.316757	0.551243	0.601635	0.866697	UP	544.3489	544.348	544.3502	9.175725	8.97035
10514	M437T9_1	1.247492	0.319031	0.562424	0.601668	0.866699	UP	437.492	437.4899	437.4978	9.372042	9.18195
10515	M528T9_3	1.099195	0.136448	0.544041	0.601668	0.866699	UP	527.8681	527.8663	527.8686	9.243625	9.129317
10516	M271T10_	1.045563	0.06428	0.559803	0.601685	0.8667	UP	271.233	271.2292	271.2334	9.845483	9.73145
10517	M249T10_	1.081016	-0.11239	-0.55408	0.601755	0.866704	DOWN	249.0184	249.0181	249.0186	9.903017	9.634283
10518	M302T23	1.079727	-0.11067	-0.54337	0.601766	0.866705	DOWN	302.2687	302.2685	302.2689	23.23425	23.2195
10519	M200T10_	1.164487	-0.21969	-0.55405	0.60178	0.866706	DOWN	199.6701	199.67	199.6702	9.830733	9.7124
10520	M788T9_3	1.13925	-0.18808	-0.54307	0.601878	0.866712	DOWN	788.4676	788.467	788.4682	9.468325	9.355317
10521	M339T10_	1.172905	-0.23009	-0.5489	0.601941	0.866715	DOWN	338.8449	338.8446	338.8451	9.825767	9.715683
10522	M272T11_	1.404296	0.489847	0.544055	0.60198	0.866718	UP	271.6337	271.6332	271.6411	10.88635	10.84828
10523	M475T20	1.114751	-0.15672	-0.54936	0.601986	0.866718	DOWN	475.2413	475.2409	475.2441	20.17217	19.9125
10524	M511T10_	1.164996	-0.22032	-0.5435	0.602271	0.866735	DOWN	511.3273	511.3269	511.3277	10.02508	9.970617
10525	M614T34	1.098776	-0.1359	-0.54419	0.602312	0.866737	DOWN	614.4472	614.4468	614.4475	33.60075	33.60017
10526	M214T10_	1.319826	0.400347	0.563253	0.602453	0.866746	UP	214	213.9999	214.0002	9.810125	9.715683
10527	M328T10_	1.304335	0.383315	0.56048	0.602521	0.86675	UP	328.2168	328.2164	328.2171	9.81635	9.715683
10528	M525T9_3	1.383361	-0.46818	-0.54854	0.602543	0.866751	DOWN	525.0892	525.0888	525.0894	9.382183	9.280767
10529	M337T11_	1.102429	0.140686	0.546252	0.602749	0.866763	UP	336.5006	336.5005	336.501	10.89875	10.879
10530	M430T10_	1.112643	-0.15399	-0.55462	0.602761	0.866764	DOWN	430.2472	430.2466	430.2491	9.961892	9.869467
10531	M347T10_	1.075698	-0.10527	-0.54662	0.602826	0.866768	DOWN	347.4115	347.4113	347.4117	9.845208	9.715683
10532	M454T18_	1.967818	-0.9766	-0.55042	0.602863	0.86677	DOWN	454.3061	454.3059	454.3062	17.87467	17.86383
10533	M178T10_	1.563872	0.645122	0.543662	0.602887	0.866771	UP	177.9155	177.9154	177.9156	9.972483	9.946367
10534	M375T9_7	1.192896	-0.25447	-0.54309	0.602893	0.866772	DOWN	375.374	375.3738	375.376	9.145433	9.110833

10535	M232T11_	1.132921	-0.18005	-0.54617	0.602908	0.866772	DOWN	231.6891	231.6887	231.6891	10.90548	10.873
10536	M204T10_	1.143955	-0.19403	-0.54793	0.602917	0.866773	DOWN	203.6251	203.625	203.6328	9.8397	9.73145
10537	M1865T10	1.077182	0.107262	0.547995	0.602926	0.866774	UP	1864.863	1864.862	1864.865	9.82645	9.715683
10538	M524T44	1.182401	0.24172	0.553139	0.603005	0.866778	UP	524.306	524.3059	524.3062	43.711	43.50283
10539	M365T10_	1.320634	0.40123	0.561457	0.603015	0.866779	UP	365.4212	365.4204	365.4214	9.810767	9.747533
10540	M834T9	1.211223	-0.27646	-0.54135	0.603018	0.866779	DOWN	834.4028	834.4023	834.4038	9.300733	9.22495
10541	M600T30	1.162363	-0.21706	-0.54664	0.603071	0.866782	DOWN	600.4393	600.4384	600.4398	30.2805	30.2515
10542	M613T9_5	1.148744	0.200057	0.544467	0.603075	0.866782	UP	613.4985	613.4898	613.4993	9.262675	9.197983
10543	M419T10_	1.134414	0.181947	0.552303	0.603117	0.866785	UP	418.9634	418.963	418.9637	9.930908	9.827283
10544	M442T10_	1.092369	-0.12746	-0.5605	0.603153	0.866787	DOWN	441.8943	441.8938	441.8949	9.9091	9.747533
10545	M282T11_	1.223244	0.290712	0.549364	0.603324	0.866797	UP	282.2641	282.2638	282.2644	10.87572	10.80695
10546	M332T10_	1.220973	-0.28803	-0.5409	0.603335	0.866798	DOWN	331.9087	331.9086	331.9088	9.830558	9.728083
10547	M267T10_	1.122674	0.16694	0.557809	0.603345	0.866798	UP	266.6068	266.6066	266.607	9.975142	9.8753
10548	M272T14	1.118243	-0.16123	-0.54063	0.603635	0.866815	DOWN	272.2577	272.2574	272.2584	13.96063	13.94515
10549	M472T11_	1.23856	0.308664	0.550972	0.60364	0.866816	UP	471.8136	471.8127	471.8145	10.92604	10.90197
10550	M174T10_	1.245912	-0.3172	-0.54033	0.603685	0.866818	DOWN	174.1618	174.1552	174.1619	9.942317	9.827283
10551	M443T11_	1.404093	0.489639	0.556756	0.603732	0.866821	UP	443.3306	443.3302	443.3318	11.14016	11.10768
10552	M741T10_	1.155793	-0.20888	-0.54086	0.603773	0.866823	DOWN	741.4958	741.4955	741.4967	10.28725	10.19852
10553	M194T9_1	1.163711	-0.21873	-0.54399	0.603785	0.866824	DOWN	194.477	194.4766	194.4774	9.36145	9.20785
10554	M1725T10	1.157404	-0.21089	-0.54151	0.603855	0.866828	DOWN	1724.729	1724.729	1724.731	9.810125	9.715683
10555	M517T9_3	1.322008	0.402731	0.561155	0.603893	0.866831	UP	517.2142	517.2135	517.2144	9.250817	9.142767
10556	M173T10_	1.12246	0.166664	0.554032	0.603912	0.866832	UP	172.8384	172.8382	172.8446	9.83835	9.715683
10557	M425T11_	1.111373	-0.15234	-0.54129	0.603987	0.866836	DOWN	424.8465	424.8462	424.8467	10.6323	10.59933
10558	M246T9_1	1.180344	0.239207	0.540783	0.604239	0.866851	UP	245.7236	245.7234	245.7237	9.253242	9.12675
10559	M370T10_	1.160329	0.214534	0.544736	0.604317	0.866856	UP	370.2012	370.2009	370.2013	9.95385	9.843367
10560	M217T7_2	1.153809	0.206405	0.539403	0.604325	0.866856	UP	216.9224	216.9224	216.9225	6.685242	6.61905
10561	M445T11_	1.144239	-0.19439	-0.5524	0.604327	0.866856	DOWN	445.35	445.3497	445.3506	10.89125	10.87487
10562	M552T9_5	1.969111	0.977545	0.552357	0.604404	0.866861	UP	551.8109	551.8095	551.8115	9.332617	9.234417
10563	M722T10_	1.050546	-0.07114	-0.54347	0.604429	0.866862	DOWN	722.3572	722.3567	722.3578	9.825767	9.715683
10564	M518T43_	1.133879	-0.18127	-0.54292	0.604432	0.866862	DOWN	518.2955	518.2952	518.2959	43.01367	42.78333
10565	M371T11_	1.065861	-0.09202	-0.5404	0.604563	0.86687	DOWN	371.2448	371.2446	371.245	10.90659	10.89355
10566	M430T44_	1.084941	-0.11762	-0.53973	0.604594	0.866872	DOWN	430.2433	430.2431	430.2435	44.44442	44.23
10567	M442T9_2	1.149769	-0.20134	-0.53893	0.604624	0.866873	DOWN	442.2899	442.2893	442.2903	8.961442	8.878667
10568	M316T12	1.094057	-0.12969	-0.54349	0.604731	0.86688	DOWN	315.7243	315.7234	315.7248	11.50562	11.48217
10569	M1291T26	1.186227	-0.24638	-0.53877	0.604732	0.86688	DOWN	1290.949	1290.948	1290.95	26.01483	25.87783

10570	M884T10_	1.280005	0.356149	0.542533	0.60482	0.866885	UP	883.7569	883.7561	883.7572	9.918833	9.811217
10571	M646T26_	1.16611	-0.2217	-0.53909	0.604821	0.866885	DOWN	645.9775	645.9772	645.9782	25.99383	25.87783
10572	M238T11_	1.13768	-0.1861	-0.55322	0.604889	0.866889	DOWN	237.7705	237.7703	237.7705	10.91299	10.877
10573	M340T10_	1.15416	-0.20684	-0.54191	0.604898	0.86689	DOWN	339.7594	339.7593	339.7601	9.886608	9.75365
10574	M310T20_	1.155237	0.208189	0.553853	0.604899	0.86689	UP	310.1775	310.1774	310.1777	20.0415	20.02717
10575	M514T10_	1.237633	-0.30758	-0.54207	0.604955	0.866893	DOWN	513.6085	513.6083	513.6088	9.979667	9.90755
10576	M511T21	1.326877	0.408035	0.54111	0.605015	0.866896	UP	511.3219	511.3214	511.3223	21.20092	21.19333
10577	M371T10_	1.170652	0.227312	0.538966	0.605134	0.866903	UP	371.2562	371.2557	371.2613	9.964092	9.824233
10578	M659T34	1.106358	-0.14582	-0.53972	0.60514	0.866904	DOWN	659.4771	659.4767	659.4773	33.54242	33.528
10579	M299T39_	1.210038	-0.27505	-0.54883	0.605231	0.866909	DOWN	299.1487	299.1485	299.1489	38.88483	38.6995
10580	M355T30	1.360251	-0.44387	-0.53925	0.60539	0.866918	DOWN	355.224	355.2229	355.225	30.19533	30.165
10581	M412T9_1	1.059136	-0.08289	-0.53887	0.605463	0.866923	DOWN	412.2743	412.2737	412.2749	8.90275	8.77435
10582	M502T21	1.100769	-0.13851	-0.54125	0.605533	0.866927	DOWN	502.4039	502.4037	502.4042	20.815	20.79667
10583	M270T19_	1.198984	0.261812	0.537925	0.605535	0.866927	UP	270.1849	270.1848	270.1852	19.43108	19.41733
10584	M814T12	1.175706	0.233527	0.543752	0.605636	0.866933	UP	813.5855	813.5851	813.5859	12.39075	12.32467
10585	M152T11_	1.086875	-0.12019	-0.53779	0.605674	0.866935	DOWN	151.764	151.7639	151.7641	10.892	10.879
10586	M450T42	1.122267	-0.16642	-0.54835	0.605692	0.866936	DOWN	450.2332	450.233	450.2333	41.97783	41.80517
10587	M215T9_4	1.092999	-0.12829	-0.54027	0.605717	0.866938	DOWN	215.0673	215.0666	215.068	9.295733	9.220933
10588	M226T10_	1.173909	-0.23132	-0.53783	0.605799	0.866942	DOWN	225.5755	225.5668	225.5756	9.8796	9.79535
10589	M342T9_2	1.290446	-0.36787	-0.54535	0.605804	0.866943	DOWN	341.6093	341.6091	341.6095	9.2529	9.1587
10590	M717T10_	1.127355	0.172942	0.547298	0.605821	0.866944	UP	717.3827	717.3823	717.3831	9.818508	9.715683
10591	M351T10_	1.456607	-0.54261	-0.54317	0.605839	0.866945	DOWN	351.2659	351.2623	351.269	9.8887	9.73145
10592	M340T10_	1.796896	0.845507	0.537177	0.605905	0.866949	UP	340.2893	340.2794	340.2895	9.872933	9.743767
10593	M396T42_	1.104087	-0.14285	-0.53758	0.605905	0.866949	DOWN	396.2225	396.2224	396.2225	42.26533	42.2075
10594	M200T9_1	1.275863	-0.35147	-0.5387	0.605969	0.866952	DOWN	199.8595	199.859	199.8603	9.1602	9.142767
10595	M177T42	1.076477	0.106318	0.539769	0.605972	0.866952	UP	177.1271	177.1271	177.1272	41.647	41.40267
10596	M759T9	1.142337	-0.19199	-0.54324	0.605977	0.866953	DOWN	759.4887	759.4871	759.4895	9.494433	9.40135
10597	M424T11_	1.506225	0.590937	0.536831	0.606027	0.866956	UP	424.273	424.2693	424.274	10.87708	10.81738
10598	M398T10_	1.148256	0.199444	0.537159	0.60614	0.866962	UP	397.9058	397.9049	397.9061	9.979342	9.859233
10599	M445T11_	1.053242	-0.07484	-0.53879	0.606213	0.866967	DOWN	444.7363	444.7357	444.7417	10.91403	10.88747
10600	M332T9_3	1.190367	-0.25141	-0.54236	0.606277	0.86697	DOWN	331.8581	331.8579	331.8584	9.312075	9.234417
10601	M473T9_8	1.374111	-0.4585	-0.54131	0.606308	0.866972	DOWN	473.2952	473.295	473.3047	9.4341	9.340183
10602	M404T9_6	1.295175	-0.37315	-0.5374	0.60641	0.866978	DOWN	404.2787	404.2787	404.2792	9.283817	9.1587
10603	M863T26_	1.144109	-0.19422	-0.53616	0.606434	0.86698	DOWN	862.61	862.6096	862.6107	26.26067	26.24633
10604	M335T10_	1.151031	-0.20293	-0.53807	0.606475	0.866982	DOWN	335.3375	335.3373	335.3377	9.8235	9.699733

10605	M211T10_	1.07648	-0.10632	-0.54129	0.606489	0.866983	DOWN	211.1521	211.152	211.1522	9.954767	9.843367
10606	M793T10_	1.163243	-0.21815	-0.53652	0.606637	0.866991	DOWN	792.8265	792.8256	792.8333	9.960817	9.843367
10607	M325T11_	1.13176	0.178569	0.540687	0.606678	0.866994	UP	325.2484	325.2479	325.2485	10.91813	10.88747
10608	M407T12	1.213755	0.279477	0.540033	0.606705	0.866995	UP	407.2957	407.2954	407.296	12.40564	12.37287
10609	M417T42_	1.205041	0.269082	0.542223	0.606819	0.867002	UP	417.248	417.2478	417.2483	41.67567	41.53167
10610	M1896T10	1.212928	-0.27849	-0.53576	0.606891	0.867006	DOWN	1896.101	1896.098	1896.103	9.81635	9.715683
10611	M295T11_	1.283652	0.360254	0.538495	0.606938	0.867009	UP	295.0852	295.0848	295.0858	11.32332	11.3207
10612	M516T10_	1.217487	-0.28391	-0.54272	0.606958	0.86701	DOWN	515.9244	515.9235	515.9247	9.960642	9.853533
10613	M481T10_	1.247167	-0.31865	-0.53559	0.607056	0.867016	DOWN	480.999	480.9986	480.9997	9.821308	9.743667
10614	M451T20_	1.101569	-0.13956	-0.53668	0.607112	0.867019	DOWN	451.2797	451.2794	451.28	20.15083	20.13117
10615	M357T44_	1.129962	0.176274	0.540117	0.607138	0.867021	UP	357.1906	357.1904	357.1907	44.22167	44.02033
10616	M538T10_	1.120676	-0.16437	-0.53897	0.607168	0.867022	DOWN	537.9249	537.9248	537.9251	9.960817	9.859233
10617	M589T10_	1.061952	-0.08672	-0.53501	0.607203	0.867024	DOWN	588.6275	588.6269	588.6279	9.9351	9.827283
10618	M771T9	1.280052	-0.3562	-0.53547	0.607387	0.867035	DOWN	770.544	770.5422	770.5447	8.663742	8.61235
10619	M459T10_	1.101355	-0.13928	-0.5348	0.607394	0.867036	DOWN	459.1113	459.1103	459.1119	9.968992	9.8753
10620	M619T10_	1.552573	0.634661	0.547924	0.607424	0.867037	UP	618.6341	618.6335	618.6377	9.853633	9.73145
10621	M404T10_	1.109494	-0.1499	-0.53481	0.607464	0.86704	DOWN	403.7394	403.7389	403.7396	9.642433	9.541483
10622	M650T9_3	1.327489	0.4087	0.549688	0.607474	0.86704	UP	649.9084	649.9041	649.9108	9.26025	9.16125
10623	M342T10_	1.090028	-0.12437	-0.53461	0.607474	0.86704	DOWN	342.3821	342.3817	342.3824	9.824233	9.715683
10624	M490T45	1.143291	0.193192	0.543101	0.6075	0.867042	UP	490.2643	490.2641	490.2645	44.9115	44.76783
10625	M271T9_8	1.17327	0.230535	0.540804	0.607501	0.867042	UP	271.1773	271.1771	271.1777	8.805375	8.715883
10626	M226T11	1.280914	0.357174	0.54676	0.607513	0.867042	UP	226.1047	226.1042	226.1051	10.90548	10.8646
10627	M209T10_	1.185805	0.245867	0.535713	0.60753	0.867043	UP	209.0861	209.086	209.0863	9.874067	9.778967
10628	M462T40_	1.069954	0.097549	0.546872	0.607674	0.867052	UP	462.2694	462.2691	462.2696	39.66883	39.48883
10629	M356T10_	1.143754	0.193776	0.544597	0.607731	0.867055	UP	355.978	355.9773	355.9806	9.831242	9.715683
10630	M321T10_	1.154111	-0.20678	-0.54014	0.607786	0.867058	DOWN	321.2375	321.2371	321.2378	9.975142	9.859233
10631	M352T10_	1.061286	0.085814	0.542508	0.607819	0.86706	UP	351.9954	351.9953	351.9956	9.857275	9.73145
10632	M609T10_	1.104337	-0.14318	-0.54096	0.607825	0.867061	DOWN	608.6737	608.6734	608.6748	9.918792	9.811217
10633	M350T37	1.131517	-0.17826	-0.53892	0.607843	0.867062	DOWN	350.2173	350.217	350.2173	36.99258	36.71217
10634	M169T10_	1.195538	-0.25766	-0.53628	0.607884	0.867064	DOWN	169.0432	169.0431	169.0432	9.8207	9.715683
10635	M345T10_	1.108517	0.14863	0.535375	0.607904	0.867065	UP	345.0929	345.0929	345.0931	9.8207	9.699733
10636	M244T10_	1.233703	-0.303	-0.53689	0.607924	0.867066	DOWN	243.5538	243.5537	243.554	9.948875	9.843367
10637	M538T9_7	1.137136	-0.1854	-0.53392	0.607949	0.867068	DOWN	538.3454	538.3448	538.3456	9.283817	9.191283
10638	M470T9_3	1.10988	-0.1504	-0.54015	0.60797	0.867069	DOWN	470.1381	470.1375	470.1388	9.240958	9.160617
10639	M296T19	1.156803	-0.21014	-0.53613	0.608072	0.867075	DOWN	296.2453	296.2422	296.2459	18.627	18.36967



10640	M218T10_	1.134389	-0.18192	-0.53383	0.608219	0.867083	DOWN	217.7639	217.7638	217.764	9.978692	9.8914
10641	M504T11_	1.143887	-0.19394	-0.5371	0.608452	0.867097	DOWN	504.0349	504.0311	504.0355	10.95602	10.90765
10642	M706T10_	1.252387	0.32468	0.553523	0.608478	0.867099	UP	705.8244	705.8239	705.8246	9.945208	9.699933
10643	M206T10_	1.135005	-0.1827	-0.53969	0.608517	0.867101	DOWN	206.2828	206.2826	206.2905	9.8207	9.715683
10644	M592T40_	1.142452	-0.19213	-0.53351	0.608703	0.867112	DOWN	592.3325	592.3323	592.333	39.56083	39.50033
10645	M346T23_	1.561379	-0.64282	-0.53366	0.608775	0.867116	DOWN	346.2526	346.2524	346.2531	23.06683	23.04483
10646	M508T10_	1.085036	0.117742	0.535369	0.609	0.867129	UP	508.3354	508.3267	508.3356	10.17547	10.06883
10647	M660T29_	1.270005	-0.34483	-0.53438	0.6091	0.867135	DOWN	659.9933	659.9931	659.9936	28.81008	28.78933
10648	M657T10_	1.132511	0.179524	0.540677	0.609128	0.867136	UP	657.3817	657.3815	657.382	10.40425	10.34372
10649	M534T44_	1.144777	0.195067	0.55009	0.609254	0.867143	UP	534.3268	534.3267	534.3273	44.43725	44.43333
10650	M509T11_	1.097685	-0.13446	-0.53186	0.609339	0.867148	DOWN	509.4295	509.4291	509.4298	10.91386	10.9049
10651	M1300T10	1.114122	-0.15591	-0.54471	0.609351	0.867149	DOWN	1300.289	1300.288	1300.292	9.810233	9.699733
10652	M352T27_	1.232005	-0.30101	-0.53358	0.60937	0.86715	DOWN	351.7492	351.7489	351.7493	26.842	26.82383
10653	M379T32_	1.2104	-0.27548	-0.54675	0.609521	0.867159	DOWN	379.2767	379.2766	379.2768	31.68142	31.66683
10654	M429T10_	1.107134	0.14683	0.536641	0.609561	0.867161	UP	429.2722	429.272	429.2724	10.08833	9.988
10655	M460T45_	1.103982	-0.14272	-0.53148	0.609606	0.867164	DOWN	460.2539	460.2536	460.254	44.94033	44.811
10656	M353T27_	1.11304	-0.1545	-0.53135	0.609608	0.867164	DOWN	352.5017	352.5007	352.5019	26.81692	26.76617
10657	M430T9_2	1.111435	-0.15242	-0.54223	0.609657	0.867167	DOWN	429.9048	429.9043	429.9063	9.297417	9.18975
10658	M440T29_	1.291386	-0.36892	-0.53482	0.609674	0.867168	DOWN	440.3308	440.3304	440.3309	28.82908	28.79767
10659	M1963T10	1.14636	-0.19706	-0.53147	0.60972	0.86717	DOWN	1963.063	1963.055	1963.065	9.828392	9.715683
10660	M332T34	1.089337	0.12345	0.535706	0.609725	0.867171	UP	332.331	332.3308	332.3311	33.89075	33.87367
10661	M551T22	1.133627	-0.18095	-0.53611	0.609728	0.867171	DOWN	551.2965	551.2959	551.2968	21.97092	21.96117
10662	M959T10	1.142291	-0.19193	-0.53781	0.609971	0.867185	DOWN	959.3948	959.3939	959.3958	9.600583	9.509533
10663	M283T30	1.294139	0.371992	0.530858	0.610179	0.867197	UP	283.1748	283.1741	283.175	30.23617	30.00817
10664	M552T9_3	1.291926	0.369523	0.540655	0.610261	0.867202	UP	551.7878	551.7854	551.7883	9.132967	9.111033
10665	M792T10_	1.222537	0.289879	0.534705	0.610391	0.867209	UP	791.9623	791.9606	791.9632	9.964167	9.859233
10666	M160T10_	1.121691	0.165675	0.531952	0.610442	0.867212	UP	160.214	160.2138	160.214	9.9174	9.827283
10667	M451T12	1.137213	-0.1855	-0.5305	0.610591	0.867221	DOWN	451.2087	451.2085	451.2089	12.38367	12.38278
10668	M254T10_	1.150902	-0.20276	-0.5322	0.610695	0.867227	DOWN	254.1933	254.1931	254.1936	9.958617	9.8378
10669	M499T9_9	1.619968	0.695965	0.5468	0.610758	0.86723	UP	499.369	499.3678	499.3693	8.936617	8.909
10670	M758T10_	1.202737	0.266321	0.534591	0.610786	0.867232	UP	758.123	758.1224	758.1243	9.95385	9.843367
10671	M375T30_	1.241344	-0.3119	-0.53087	0.610826	0.867234	DOWN	374.605	374.6047	374.6051	29.58092	29.5715
10672	M179T9_1	1.211474	-0.27676	-0.53082	0.610841	0.867235	DOWN	178.6022	178.6018	178.603	9.292008	9.147367
10673	M416T41_	1.038559	0.054583	0.543943	0.610865	0.867236	UP	416.2277	416.2276	416.2279	40.62467	40.453
10674	M578T9_4	1.162585	-0.21734	-0.53262	0.610972	0.867243	DOWN	578.4202	578.4198	578.4236	9.311883	9.11405

10675	M638T10_	1.10839	0.148465	0.549942	0.611014	0.867245	UP	637.7077	637.7074	637.7104	9.825767	9.715683
10676	M383T9_2	1.225893	-0.29383	-0.52974	0.611017	0.867245	DOWN	382.6529	382.6524	382.6583	9.235933	9.023483
10677	M414T9_2	1.218032	-0.28455	-0.53186	0.611038	0.867246	DOWN	413.6569	413.656	413.661	9.365833	9.061
10678	M338T10_	1.096168	-0.13247	-0.53879	0.611065	0.867248	DOWN	338.2166	338.2158	338.2171	9.947958	9.843367
10679	M825T32	1.249691	-0.32157	-0.53355	0.611093	0.86725	DOWN	824.6081	824.6077	824.6086	32.013	31.998
10680	M598T10_	1.095665	-0.13181	-0.53564	0.61115	0.867253	DOWN	597.7209	597.7204	597.7212	9.909433	9.811217
10681	M166T10_	1.143528	-0.19349	-0.53381	0.611177	0.867254	DOWN	165.7364	165.7363	165.7366	9.962617	9.859233
10682	M361T9_2	1.179358	-0.238	-0.53015	0.611208	0.867256	DOWN	360.7571	360.7568	360.7573	9.314442	9.234417
10683	M481T10_	1.11942	-0.16275	-0.52873	0.611343	0.867264	DOWN	480.7542	480.7538	480.7554	9.80755	9.6681
10684	M301T10_	1.129227	0.175335	0.528711	0.611361	0.867265	UP	300.5109	300.5104	300.5112	9.9351	9.827283
10685	M932T10_	1.307785	-0.38713	-0.5402	0.611372	0.867266	DOWN	932.1628	932.1616	932.1634	9.967367	9.9009
10686	M390T10_	1.494877	0.580027	0.530936	0.61153	0.867275	UP	390.2896	390.2892	390.2993	9.965792	9.8914
10687	M1203T17	1.228104	0.296433	0.540082	0.61163	0.86728	UP	1202.593	1202.593	1202.595	16.50158	16.46157
10688	M707T11	1.374969	0.459399	0.535849	0.611701	0.867285	UP	707.3737	707.3732	707.375	11.48757	11.47593
10689	M399T11_	1.090251	-0.12466	-0.52814	0.611736	0.867287	DOWN	399.2716	399.2673	399.2718	10.89728	10.879
10690	M601T10_	1.090534	-0.12503	-0.52845	0.611772	0.867289	DOWN	600.719	600.7184	600.7195	9.954767	9.843367
10691	M155T10_	1.156012	-0.20916	-0.53846	0.611782	0.867289	DOWN	154.9094	154.9093	154.9094	9.951442	9.843367
10692	M362T9_5	1.266459	-0.3408	-0.52807	0.611783	0.867289	DOWN	362.1908	362.1903	362.1911	9.487467	9.40135
10693	M561T26	1.163512	-0.21849	-0.53266	0.611837	0.867292	DOWN	561.3653	561.3649	561.3659	26.18508	26.16567
10694	M711T10_	1.064926	0.090753	0.528019	0.611923	0.867297	UP	710.8383	710.8379	710.8391	9.83925	9.73145
10695	M397T10_	1.082621	-0.11453	-0.5296	0.612053	0.867305	DOWN	396.7948	396.7945	396.7954	9.9351	9.827283
10696	M237T9_5	1.154024	-0.20667	-0.53211	0.612078	0.867306	DOWN	237.1193	237.1184	237.1199	9.315083	9.132267
10697	M432T10_	1.081351	-0.11284	-0.52757	0.612112	0.867308	DOWN	432.4014	432.4011	432.4021	9.985117	9.8753
10698	M197T10_	1.070626	0.098455	0.527559	0.61212	0.867309	UP	197.0818	197.0817	197.0823	9.845208	9.699733
10699	M339T10_	1.044089	-0.06224	-0.52983	0.612169	0.867311	DOWN	339.2306	339.2303	339.2308	9.823575	9.715683
10700	M524T10_	1.35812	0.441611	0.530424	0.612313	0.86732	UP	524.1554	524.1539	524.1556	9.960967	9.8753
10701	M353T10_	1.13242	-0.17941	-0.52817	0.612477	0.867329	DOWN	352.5994	352.5989	352.5995	9.972917	9.859233
10702	M464T43	1.116635	-0.15916	-0.5476	0.612503	0.867331	DOWN	464.2849	464.2848	464.2851	42.7545	42.5675
10703	M386T10_	1.186266	-0.24643	-0.52847	0.612587	0.867335	DOWN	385.9598	385.9595	385.9609	9.894875	9.79535
10704	M259T24_	1.061382	-0.08594	-0.52738	0.612618	0.867337	DOWN	259.2821	259.282	259.2823	23.726	23.71017
10705	M388T10_	1.046086	-0.065	-0.52861	0.612742	0.867344	DOWN	388.4658	388.4656	388.4661	9.929783	9.827283
10706	M207T8	1.245004	-0.31615	-0.52688	0.612755	0.867345	DOWN	206.8935	206.8934	206.8936	7.8106	7.510867
10707	M459T9_6	1.189883	-0.25082	-0.53414	0.612757	0.867345	DOWN	459.3401	459.3389	459.3417	9.298683	9.1175
10708	M402T11_	1.126563	0.171928	0.532701	0.612846	0.86735	UP	402.1896	402.1895	402.19	10.892	10.879
10709	M319T9_4	1.189083	-0.24985	-0.52788	0.613124	0.867366	DOWN	319.1732	319.1728	319.1743	8.9788	8.877267

10710	M705T10_	1.139108	0.187904	0.53328	0.613148	0.867367	UP	705.4577	705.4567	705.4588	9.9677	9.859233
10711	M230T10_	1.142354	0.19201	0.532319	0.613162	0.867368	UP	229.6043	229.6041	229.6044	9.951283	9.843367
10712	M369T11_	1.162803	0.217607	0.528317	0.613176	0.867369	UP	368.904	368.9038	368.9045	10.8926	10.879
10713	M809T29	1.326221	-0.40732	-0.52908	0.613181	0.867369	DOWN	809.0743	809.0733	809.0743	28.78933	28.74917
10714	M431T20_	1.145043	0.195401	0.526479	0.613206	0.867371	UP	431.24	431.2398	431.2406	20	19.98483
10715	M412T9_6	1.16523	-0.22062	-0.52781	0.613212	0.867371	DOWN	412.1074	412.1067	412.1078	8.899467	8.77435
10716	M245T44	1.119331	0.162637	0.529975	0.613235	0.867372	UP	245.138	245.138	245.1382	44.16417	43.94833
10717	M357T10_	1.07118	0.099201	0.538602	0.613247	0.867373	UP	356.7385	356.738	356.7386	9.841442	9.73145
10718	M676T10_	1.327786	0.409023	0.544305	0.613275	0.867375	UP	675.7939	675.7929	675.7942	9.504583	9.432533
10719	M271T10_	1.043429	0.061332	0.540423	0.613384	0.867381	UP	270.9923	270.9921	270.9927	9.841442	9.73145
10720	M999T10_	1.237684	-0.30764	-0.53778	0.613492	0.867387	DOWN	999.0717	999.0696	999.0731	9.787808	9.728083
10721	M479T11_	1.170092	-0.22662	-0.52554	0.613577	0.867392	DOWN	478.9651	478.9646	478.9658	10.91813	10.8646
10722	M579T9_2	1.381526	0.466263	0.541977	0.613583	0.867392	UP	578.542	578.5412	578.5425	9.317	9.234417
10723	M268T10_	1.150018	0.201657	0.539821	0.613761	0.867402	UP	268.0138	268.0023	268.014	9.77355	9.665433
10724	M234T10_	1.181326	-0.24041	-0.53143	0.613802	0.867405	DOWN	233.5289	233.5289	233.5291	9.8207	9.696683
10725	M261T9_6	1.189958	-0.25091	-0.52917	0.613891	0.86741	DOWN	261.3361	261.3356	261.3366	9.195483	9.132267
10726	M520T39_	1.057611	-0.08081	-0.54066	0.614022	0.867417	DOWN	520.3113	520.311	520.3115	39.48183	39.45667
10727	M469T40	1.269406	-0.34415	-0.53095	0.614223	0.867429	DOWN	469.4437	469.4435	469.4444	40.16517	40.10767
10728	M707T10_	1.151175	-0.20311	-0.52536	0.6143	0.867433	DOWN	706.8624	706.8615	706.8636	9.915583	9.811217
10729	M354T10_	1.106905	-0.14653	-0.53443	0.614302	0.867433	DOWN	354.2284	354.2282	354.2286	9.89435	9.79535
10730	M654T10_	1.166222	-0.22184	-0.52894	0.614432	0.867441	DOWN	654.3933	654.393	654.3935	9.830283	9.699733
10731	M554T9_8	1.177367	-0.23556	-0.52425	0.61444	0.867441	DOWN	554.3976	554.3901	554.3984	9.28395	9.16125
10732	M611T37	1.151734	-0.20381	-0.52748	0.614537	0.867447	DOWN	611.4366	611.4347	611.4371	36.53933	36.46917
10733	M869T10_	1.447092	0.533157	0.540331	0.614642	0.867453	UP	868.5122	868.5111	868.5131	9.694608	9.58735
10734	M520T39_	1.063643	-0.08901	-0.52505	0.614647	0.867453	DOWN	520.3111	520.311	520.3117	38.62575	38.453
10735	M324T10_	1.117635	-0.16045	-0.52395	0.614664	0.867454	DOWN	324.2352	324.2348	324.2355	9.835675	9.728083
10736	M375T9_3	1.266097	0.340387	0.523574	0.614773	0.86746	UP	375.0117	375.0112	375.0119	9.317	9.275917
10737	M782T11_	1.172429	-0.2295	-0.52382	0.61486	0.867465	DOWN	781.6126	781.6111	781.6141	10.91673	10.84395
10738	M409T10_	1.382494	-0.46727	-0.52796	0.614881	0.867466	DOWN	409.2094	409.2057	409.2118	9.93775	9.885167
10739	M255T11_	1.065564	-0.09162	-0.52494	0.614897	0.867467	DOWN	255.0365	255.0363	255.0367	10.90628	10.873
10740	M1135T11	1.152147	-0.20432	-0.52352	0.614927	0.867469	DOWN	1134.86	1134.859	1134.861	10.52609	10.47223
10741	M192T10_	1.211577	0.276886	0.534578	0.614954	0.86747	UP	191.7879	191.7877	191.7882	9.93625	9.843367
10742	M708T10_	1.148991	-0.20037	-0.52328	0.614961	0.867471	DOWN	707.7862	707.7853	707.7869	9.830558	9.728083
10743	M325T11_	1.070555	-0.09836	-0.52523	0.614963	0.867471	DOWN	324.9195	324.9193	324.9196	10.89875	10.879
10744	M473T11_	1.147658	0.198693	0.535206	0.615055	0.867476	UP	472.9942	472.9929	472.9949	10.90522	10.879

10745	M249T10_	1.084027	0.116401	0.534869	0.615082	0.867478	UP	248.9241	248.9239	248.9248	9.811217	9.729367
10746	M1682T10	1.151591	-0.20363	-0.52908	0.61517	0.867483	DOWN	1681.547	1681.543	1681.549	9.842	9.747533
10747	M193T9_3	1.334279	0.41606	0.523413	0.615247	0.867487	UP	192.898	192.8973	192.8994	9.2612	9.111033
10748	M293T10_	1.175042	-0.23271	-0.52427	0.61531	0.867491	DOWN	292.5434	292.543	292.5435	9.968992	9.8753
10749	M1319T29	1.289998	-0.36737	-0.52605	0.615342	0.867492	DOWN	1318.98	1318.98	1318.981	28.82908	28.808
10750	M378T40_	1.359756	-0.44335	-0.52246	0.61552	0.867503	DOWN	378.2482	378.2481	378.2483	40.40967	40.352
10751	M272T29	1.12779	-0.1735	-0.52307	0.61559	0.867507	DOWN	272.2945	272.2944	272.2946	29.29125	29.27483
10752	M189T9_3	1.398492	-0.48387	-0.52726	0.615594	0.867507	DOWN	188.7282	188.7274	188.7287	9.170525	9.147367
10753	M404T37_	1.085973	0.118989	0.524248	0.615769	0.867517	UP	404.264	404.2638	404.2642	36.61183	36.39633
10754	M1939T10	1.195581	-0.25771	-0.52529	0.61587	0.867522	DOWN	1938.53	1938.529	1938.532	9.885883	9.827283
10755	M376T11_	1.201738	0.265122	0.52207	0.615924	0.867525	UP	376.2078	376.207	376.2082	10.8937	10.8214
10756	M424T10_	1.143448	0.19339	0.538232	0.616028	0.867531	UP	423.7605	423.7602	423.7606	9.945258	9.843367
10757	M518T41_	1.099877	-0.13734	-0.53509	0.616041	0.867532	DOWN	518.2954	518.2953	518.2956	40.7265	40.71183
10758	M426T11_	1.282644	0.359121	0.52158	0.616112	0.867536	UP	426.2663	426.266	426.2668	10.90765	10.8646
10759	M359T10_	1.050801	-0.07149	-0.52686	0.616213	0.867542	DOWN	358.5953	358.5951	358.5955	9.831517	9.699733
10760	M416T40_	1.113075	0.154551	0.542071	0.61624	0.867543	UP	416.264	416.2638	416.2643	40.338	40.15083
10761	M540T13	1.117854	-0.16073	-0.52901	0.616477	0.867557	DOWN	540.4069	540.4055	540.4073	13.24427	13.21485
10762	M449T10_	1.169886	0.226368	0.521368	0.616505	0.867558	UP	448.8126	448.8124	448.813	9.965717	9.843367
10763	M504T39_	1.144344	0.19452	0.522904	0.616508	0.867559	UP	504.2802	504.2798	504.2803	38.52492	38.36683
10764	M403T18	1.220448	-0.28741	-0.52936	0.61654	0.86756	DOWN	403.2925	403.2918	403.2933	17.976	17.948
10765	M317T10_	1.104322	-0.14316	-0.53059	0.616605	0.867564	DOWN	316.7948	316.7947	316.795	9.970617	9.8753
10766	M207T9_6	1.51638	-0.60063	-0.52207	0.616664	0.867567	DOWN	206.7903	206.785	206.7913	9.275525	9.132267
10767	M265T10_	1.300235	0.378772	0.532986	0.616672	0.867568	UP	264.5308	264.5307	264.531	9.762917	9.636483
10768	M203T10_	1.13621	0.184229	0.520668	0.616702	0.867569	UP	202.9669	202.9667	202.967	9.965792	9.8753
10769	M430T11_	1.080585	-0.11181	-0.52152	0.61675	0.867572	DOWN	429.9321	429.932	429.9328	10.892	10.8646
10770	M213T11_	1.103937	-0.14266	-0.52216	0.616878	0.867579	DOWN	213.2752	213.2749	213.2753	10.92487	10.9049
10771	M1027T18	1.060864	-0.08524	-0.52044	0.616884	0.86758	DOWN	1027.458	1027.457	1027.458	17.57017	17.5255
10772	M508T42_	1.103206	0.141703	0.527514	0.616956	0.867584	UP	508.311	508.3109	508.3113	41.77633	41.58933
10773	M288T24_	1.040591	-0.0574	-0.52907	0.617018	0.867587	DOWN	288.2893	288.2892	288.2894	24.06292	24.05467
10774	M1069T10	1.159176	0.2131	0.532826	0.617028	0.867588	UP	1068.586	1068.585	1068.588	9.640367	9.509533
10775	M277T10_	1.097074	-0.13366	-0.53084	0.617078	0.867591	DOWN	277.4905	277.4903	277.4906	9.8397	9.715683
10776	M258T11_	1.127318	-0.17289	-0.52062	0.617101	0.867592	DOWN	258.1667	258.1642	258.1668	10.89907	10.879
10777	M225T10_	1.329677	0.411076	0.532696	0.61713	0.867594	UP	225.1427	225.1338	225.1435	9.830833	9.7124
10778	M415T20_	1.047219	-0.06656	-0.52192	0.617185	0.867597	DOWN	415.2924	415.2922	415.2926	20.245	20.23017
10779	M445T10_	1.14123	-0.19059	-0.52285	0.61727	0.867602	DOWN	444.6883	444.6876	444.6887	9.94785	9.827283

10780	M410T10_	1.055997	-0.07861	-0.52904	0.61731	0.867604	DOWN	409.699	409.6986	409.6992	9.917167	9.811217
10781	M372T23_	1.173659	-0.23101	-0.51967	0.617367	0.867607	DOWN	372.0656	372.0654	372.0658	22.69833	22.6705
10782	M235T10_	1.06202	-0.08681	-0.5207	0.617391	0.867608	DOWN	235.0762	235.0759	235.0763	9.930908	9.827283
10783	M1028T10	1.253391	-0.32584	-0.51978	0.61744	0.867611	DOWN	1028.301	1028.3	1028.302	9.821275	9.766367
10784	M445T10_	1.16225	-0.21692	-0.52324	0.617498	0.867614	DOWN	445.1725	445.172	445.1729	9.954767	9.843367
10785	M163T13	1.102263	-0.14047	-0.52533	0.617517	0.867616	DOWN	163.0752	163.0751	163.0753	12.62403	12.42808
10786	M361T11_	1.128232	-0.17406	-0.52088	0.617568	0.867618	DOWN	361.2159	361.2158	361.2183	11.23303	10.94603
10787	M253T14	1.210055	-0.27507	-0.51952	0.617617	0.867621	DOWN	253.2463	253.2459	253.2465	14.29936	14.26822
10788	M342T10_	1.102352	-0.14058	-0.5236	0.617731	0.867628	DOWN	342.1629	342.1626	342.163	9.977442	9.859233
10789	M371T11_	1.114691	0.156644	0.525916	0.617766	0.86763	UP	370.8728	370.8726	370.8729	10.90519	10.879
10790	M289T10_	1.274732	-0.35019	-0.52007	0.61781	0.867632	DOWN	289.0617	289.0569	289.0673	9.873758	9.830833
10791	M730T10_	1.109463	-0.14986	-0.53079	0.617854	0.867634	DOWN	729.7375	729.7372	729.7381	9.970617	9.859233
10792	M309T11_	1.171556	0.228426	0.521367	0.617949	0.86764	UP	308.6464	308.6452	308.6468	10.93413	10.8646
10793	M217T10_	1.119108	0.16235	0.536314	0.617959	0.86764	UP	217.049	217.0488	217.0491	9.903283	9.79535
10794	M234T11_	1.087529	-0.12105	-0.51878	0.617993	0.867642	DOWN	233.9585	233.9584	233.9587	10.89875	10.879
10795	M672T10_	1.137532	-0.18591	-0.52428	0.618027	0.867644	DOWN	672.4103	672.4088	672.4154	10.008	9.916767
10796	M963T11	1.099142	-0.13638	-0.51865	0.618113	0.867649	DOWN	962.5873	962.5864	962.592	10.91403	10.89355
10797	M675T10_	1.275298	-0.35083	-0.52208	0.618119	0.867649	DOWN	674.8876	674.8842	674.8896	9.958517	9.8378
10798	M352T10_	1.083239	-0.11535	-0.52267	0.618138	0.867651	DOWN	352.4986	352.4985	352.4987	9.84305	9.715683
10799	M943T25	1.169381	-0.22574	-0.52032	0.618149	0.867651	DOWN	943.1727	943.1714	943.173	25.20833	25.11417
10800	M199T10_	1.235046	-0.30457	-0.51874	0.61821	0.867655	DOWN	199.4451	199.4378	199.4454	9.8397	9.715683
10801	M249T9_1	1.375528	-0.45999	-0.52127	0.618248	0.867657	DOWN	248.7497	248.7496	248.7499	9.064833	9.023483
10802	M300T9_2	1.188038	-0.24858	-0.52054	0.618312	0.86766	DOWN	300.379	300.3789	300.3792	9.494433	9.416817
10803	M247T11_	1.184452	-0.24422	-0.51827	0.618313	0.86766	DOWN	247.109	247.1089	247.1092	10.85428	10.83252
10804	M552T11_	1.17795	-0.23628	-0.51822	0.61833	0.867661	DOWN	552.3514	552.3503	552.3523	11.03898	11.03245
10805	M209T10_	1.081803	-0.11344	-0.52833	0.618421	0.867666	DOWN	209.0615	209.0614	209.0615	9.985733	9.8914
10806	M386T10_	1.188633	-0.2493	-0.52882	0.618452	0.867668	DOWN	386.4826	386.4824	386.4827	10.00373	9.9009
10807	M284T10_	1.133333	-0.18057	-0.5227	0.618467	0.867669	DOWN	283.5768	283.5765	283.5769	9.94785	9.843367
10808	M441T12	1.073203	-0.10192	-0.51817	0.618542	0.867673	DOWN	441.3108	441.3105	441.3111	12.31038	12.29538
10809	M358T11_	1.079163	-0.10991	-0.51741	0.618943	0.867696	DOWN	357.6686	357.6685	357.6693	10.892	10.8646
10810	M276T10_	1.167821	-0.22382	-0.52533	0.618983	0.867698	DOWN	275.9487	275.9486	275.9488	9.8207	9.715683
10811	M560T9_2	1.311434	-0.39115	-0.52065	0.618987	0.867698	DOWN	560.4607	560.4601	560.4622	9.24535	9.048117
10812	M471T9_8	1.302354	0.381122	0.528763	0.618996	0.867699	UP	471.354	471.3515	471.3544	8.979208	8.878667
10813	M378T11_	1.110018	-0.15058	-0.51719	0.619036	0.867701	DOWN	377.8793	377.8789	377.8799	10.90765	10.88747
10814	M270T11_	1.063063	-0.08823	-0.51932	0.619091	0.867704	DOWN	270.2875	270.2874	270.2876	10.89875	10.879

10815	M363T9_6	1.155752	0.208832	0.517053	0.619117	0.867706	UP	362.7587	362.7585	362.7591	8.697675	8.60815
10816	M397T11_	1.116659	-0.15919	-0.52777	0.619153	0.867708	DOWN	396.5028	396.5023	396.504	10.90548	10.8926
10817	M398T10_	1.134439	-0.18198	-0.52003	0.619156	0.867708	DOWN	398.2796	398.2795	398.2796	9.938708	9.853533
10818	M683T10_	1.218721	-0.28537	-0.52478	0.619164	0.867708	DOWN	683.4865	683.4861	683.4869	9.842	9.715683
10819	M1185T45	1.128824	0.17482	0.518992	0.619358	0.867719	UP	1184.846	1184.846	1184.847	44.9835	44.98333
10820	M419T10_	1.119265	0.162551	0.525646	0.619386	0.867721	UP	419.4263	419.4258	419.4266	9.931875	9.827283
10821	M214T10_	1.09081	0.1254	0.516576	0.619425	0.867723	UP	214.3545	214.3544	214.3622	9.810233	9.699733
10822	M288T23_	1.240803	0.311274	0.516608	0.619439	0.867724	UP	288.221	288.2148	288.2259	22.88583	22.8425
10823	M303T9_2	1.159994	-0.21412	-0.52476	0.619705	0.867739	DOWN	303.4782	303.4776	303.4782	9.382183	9.20785
10824	M1436T10_	1.1903	-0.25133	-0.52897	0.619756	0.867741	DOWN	1435.811	1435.81	1435.812	9.902117	9.822117
10825	M572T11_	1.076058	0.105756	0.519322	0.619759	0.867742	UP	572.2536	572.2524	572.2549	10.90548	10.88747
10826	M182T10_	1.230313	-0.29903	-0.51607	0.619776	0.867742	DOWN	181.5794	181.5792	181.5795	9.960817	9.859233
10827	M642T10_	1.141439	0.190854	0.517525	0.619907	0.86775	UP	642.4937	642.4924	642.4939	10.27243	10.21468
10828	M443T10_	1.240244	0.310624	0.518291	0.619937	0.867752	UP	443.2455	443.2447	443.2467	9.946367	9.859233
10829	M364T10_	1.298655	0.377018	0.53181	0.61997	0.867753	UP	364.2968	364.2928	364.297	9.581417	9.447617
10830	M708T10_	1.191216	-0.25244	-0.52459	0.620011	0.867756	DOWN	707.5328	707.5323	707.5355	9.802117	9.7124
10831	M730T10_	1.149121	-0.20053	-0.5167	0.620015	0.867756	DOWN	730.1956	730.1952	730.1959	9.95385	9.843367
10832	M321T27_	1.255762	-0.32856	-0.51719	0.620069	0.867759	DOWN	321.4375	321.4374	321.4377	26.79683	26.76683
10833	M1742T10_	1.103385	-0.14194	-0.51711	0.620072	0.867759	DOWN	1742.376	1742.369	1742.377	9.960967	9.859233
10834	M472T8	1.434554	-0.5206	-0.51559	0.620083	0.86776	DOWN	472.3568	472.3567	472.3568	7.5224	7.418917
10835	M1429T10_	1.270333	-0.34521	-0.52054	0.62009	0.86776	DOWN	1428.644	1428.641	1428.645	9.942008	9.8914
10836	M249T10_	1.122702	-0.16698	-0.51555	0.62013	0.867762	DOWN	249.1306	249.1303	249.1307	9.9351	9.827283
10837	M722T10_	1.151512	0.20353	0.516093	0.62021	0.867767	UP	722.3941	722.3937	722.3943	10.10793	9.98005
10838	M495T19	1.102276	-0.14049	-0.51961	0.620218	0.867767	DOWN	495.3504	495.3499	495.3504	18.61442	18.58783
10839	M1054T11_	1.094018	-0.12964	-0.51557	0.620226	0.867768	DOWN	1054.277	1054.277	1054.281	10.892	10.879
10840	M489T11_	1.085021	0.117723	0.515654	0.620233	0.867768	UP	488.5008	488.5004	488.5011	10.892	10.879
10841	M341T10_	1.147833	-0.19891	-0.51881	0.620308	0.867772	DOWN	341.0857	341.082	341.086	9.944392	9.801917
10842	M205T11_	1.102044	0.140182	0.516787	0.620319	0.867773	UP	205.3689	205.3687	205.3692	10.90197	10.8646
10843	M235T11_	1.293725	0.371531	0.521863	0.620531	0.867785	UP	235.3082	235.3079	235.3084	10.89125	10.8646
10844	M1507T10_	1.120651	0.164337	0.515965	0.620612	0.867789	UP	1507.382	1507.381	1507.384	9.97155	9.859233
10845	M759T10_	1.170705	0.227378	0.519309	0.620745	0.867797	UP	758.6164	758.6147	758.6172	9.975217	9.8753
10846	M471T8	1.423677	-0.50962	-0.51454	0.620786	0.867799	DOWN	471.3535	471.3534	471.3535	7.5224	7.418917
10847	M735T11_	1.172469	0.22955	0.516048	0.620871	0.867804	UP	734.7397	734.7394	734.7406	10.9348	10.90553
10848	M653T11_	1.136194	0.184209	0.528436	0.620935	0.867807	UP	653.0302	653.0288	653.0316	10.89728	10.83572
10849	M654T10_	1.124096	-0.16877	-0.51523	0.620993	0.86781	DOWN	654.3051	654.304	654.3055	9.842	9.7124

10850	M498T9_1	1.135477	-0.1833	-0.51422	0.621059	0.867814	DOWN	497.5165	497.516	497.5168	9.220975	9.145433
10851	M219T7	1.207222	-0.27169	-0.52169	0.62107	0.867815	DOWN	218.9195	218.9194	218.9197	6.6336	6.47965
10852	M224T19	1.058877	-0.08254	-0.52933	0.62107	0.867815	DOWN	224.0954	224.0953	224.0956	19.33733	19.28883
10853	M1742T10	1.108742	-0.14892	-0.5221	0.621144	0.867819	DOWN	1742.446	1742.441	1742.45	9.952433	9.843367
10854	M277T11_	1.338598	0.420723	0.529	0.621165	0.86782	UP	276.639	276.6387	276.6391	10.86158	10.83572
10855	M307T9_5	1.197144	-0.2596	-0.51718	0.621214	0.867823	DOWN	307.0935	307.0931	307.0938	9.3332	9.234417
10856	M309T13_	1.17777	0.236058	0.523034	0.62132	0.867829	UP	309.1306	309.1305	309.1307	13.37548	13.30282
10857	M201T10_	1.143425	-0.19336	-0.51438	0.621323	0.867829	DOWN	201.4362	201.4361	201.4364	9.82645	9.728083
10858	M509T11_	1.080098	-0.11116	-0.51588	0.621339	0.86783	DOWN	509.1684	509.1679	509.1689	10.89953	10.8646
10859	M212T10_	1.126419	0.171744	0.51766	0.621343	0.86783	UP	211.9761	211.9735	211.9764	9.932033	9.827283
10860	M448T11_	1.12674	0.172154	0.518801	0.621563	0.867842	UP	448.1728	448.1719	448.1732	10.90537	10.879
10861	M166T10_	1.122047	-0.16613	-0.51957	0.621652	0.867847	DOWN	165.528	165.5279	165.5281	9.968992	9.859233
10862	M539T10_	1.087196	-0.12061	-0.51552	0.621672	0.867848	DOWN	539.2916	539.2909	539.2919	9.9275	9.811217
10863	M500T9_3	1.170483	-0.2271	-0.52195	0.621685	0.867849	DOWN	499.7701	499.7677	499.7709	9.1445	9.1011
10864	M719T10_	1.1346	-0.18218	-0.52632	0.621695	0.86785	DOWN	718.7054	718.7051	718.7055	9.9847	9.8914
10865	M473T10_	1.17025	-0.22682	-0.51793	0.621723	0.867851	DOWN	472.5872	472.587	472.5876	9.960967	9.8753
10866	M524T10_	1.119801	-0.16324	-0.51936	0.621784	0.867855	DOWN	523.973	523.9728	523.9735	9.830083	9.715683
10867	M334T10_	1.37235	0.456649	0.516236	0.621785	0.867855	UP	334.3144	334.3143	334.3147	9.830558	9.728083
10868	M1035T10	1.167848	-0.22385	-0.51934	0.62185	0.867858	DOWN	1034.907	1034.906	1034.908	9.9847	9.9009
10869	M620T10_	1.168615	0.2248	0.51915	0.621936	0.867863	UP	619.9573	619.9568	619.958	9.956417	9.859233
10870	M552T9_9	1.186581	0.24681	0.518081	0.621959	0.867864	UP	552.4486	552.4481	552.4488	8.996883	8.952283
10871	M521T9_9	1.384273	0.469128	0.523616	0.622003	0.867867	UP	521.3177	521.3166	521.3288	9.357458	9.089333
10872	M463T11_	1.231431	-0.30034	-0.51344	0.622037	0.867869	DOWN	462.6308	462.6284	462.631	10.91642	10.89125
10873	M405T10_	1.340966	-0.42327	-0.51856	0.622076	0.867871	DOWN	404.5838	404.5837	404.584	9.968992	9.8753
10874	M220T9_1	1.239778	-0.31008	-0.51319	0.622223	0.867879	DOWN	220.1461	220.1447	220.1529	9.397575	9.174883
10875	M163T10_	1.169461	0.225843	0.512264	0.62252	0.867896	UP	162.7248	162.7244	162.7249	9.902408	9.827283
10876	M495T29_	1.186029	0.246139	0.520029	0.622522	0.867896	UP	495.327	495.3267	495.3272	28.80933	28.79983
10877	M330T29_	1.278842	-0.35484	-0.51482	0.622525	0.867896	DOWN	330.5	330.4998	330.5	28.8195	28.79767
10878	M391T11_	1.133334	-0.18057	-0.51266	0.622574	0.867899	DOWN	391.3675	391.3671	391.3696	10.90628	10.873
10879	M474T40	1.219442	-0.28622	-0.52962	0.622602	0.8679	DOWN	474.2695	474.2692	474.2697	39.92067	39.57517
10880	M211T11_	1.039237	0.055525	0.516796	0.622639	0.867902	UP	210.8807	210.8805	210.8809	10.91376	10.88995
10881	M247T11_	1.083107	0.115176	0.511722	0.622741	0.867908	UP	247.4061	247.4058	247.4064	10.892	10.879
10882	M425T11_	1.142965	-0.19278	-0.51371	0.622757	0.867909	DOWN	424.6907	424.6899	424.6912	10.90551	10.879
10883	M246T10_	1.154856	0.207713	0.51238	0.62279	0.86791	UP	246.3083	246.3081	246.3084	9.964258	9.843367
10884	M391T22	1.179329	0.237966	0.519907	0.623023	0.867923	UP	391.4155	391.415	391.4158	22.13283	22.045

10885	M379T9_1	1.168631	0.224819	0.511323	0.623106	0.867928	UP	379.4387	379.4381	379.4392	9.075083	9.031633
10886	M712T9_1	1.326861	-0.40802	-0.51117	0.623121	0.867929	DOWN	711.9333	711.933	711.9338	8.67005	8.6275
10887	M312T10_	1.172376	0.229436	0.512406	0.62316	0.867931	UP	311.5634	311.563	311.5637	9.984083	9.8753
10888	M857T10_	1.193195	-0.25483	-0.51089	0.623223	0.867934	DOWN	856.9374	856.9357	856.9395	9.933267	9.811217
10889	M173T10_	1.150802	-0.20264	-0.52567	0.623319	0.86794	DOWN	173.1673	173.1672	173.1676	9.872933	9.759383
10890	M718T10_	1.108804	-0.149	-0.5115	0.623375	0.867943	DOWN	717.9876	717.9873	717.9884	9.818508	9.715683
10891	M374T11_	1.138858	-0.18759	-0.51414	0.623422	0.867946	DOWN	374.4171	374.4157	374.4195	10.90519	10.879
10892	M171T9_2	1.149292	-0.20075	-0.51495	0.62343	0.867946	DOWN	170.8723	170.8717	170.8726	9.332617	9.219483
10893	M1635T10	1.19829	0.260977	0.518844	0.623469	0.867948	UP	1634.514	1634.51	1634.52	9.928667	9.843367
10894	M363T32_	1.236995	-0.30684	-0.51256	0.623495	0.86795	DOWN	363.3006	363.3005	363.3007	31.73983	31.73867
10895	M430T10_	1.047917	-0.06752	-0.51169	0.623525	0.867951	DOWN	430.244	430.2436	430.2487	9.582792	9.146383
10896	M368T11_	1.162594	0.217348	0.513603	0.623552	0.867953	UP	368.0227	368.0226	368.0234	10.90522	10.879
10897	M1333T10	1.16893	-0.22519	-0.51078	0.623569	0.867954	DOWN	1332.745	1332.742	1332.745	9.989483	9.956417
10898	M1342T10	1.264386	0.338437	0.523833	0.623631	0.867957	UP	1342.492	1342.49	1342.494	9.902617	9.806367
10899	M892T10_	1.273436	-0.34873	-0.51605	0.623639	0.867958	DOWN	892.1133	892.1118	892.1147	9.504583	9.416817
10900	M696T18	1.119174	-0.16243	-0.51044	0.623773	0.867965	DOWN	696.4318	696.4315	696.4319	18.09917	17.86917
10901	M993T11_	1.137907	-0.18638	-0.51365	0.623839	0.867969	DOWN	993.3223	993.3221	993.3239	10.9198	10.89355
10902	M351T9_2	1.174068	-0.23152	-0.51214	0.623853	0.867969	DOWN	350.6215	350.6209	350.6217	9.317	9.234417
10903	M205T10_	1.12451	-0.1693	-0.50986	0.623966	0.867976	DOWN	204.7041	204.7041	204.7042	9.8207	9.715683
10904	M551T9_2	1.14807	0.199211	0.512022	0.624191	0.867988	UP	550.8171	550.8165	550.8172	9.3172	9.275917
10905	M294T10_	1.100369	-0.13799	-0.51341	0.624199	0.867989	DOWN	294.3703	294.3701	294.3704	9.948875	9.843367
10906	M388T10_	1.656889	-0.72848	-0.50938	0.624263	0.867992	DOWN	387.7	387.6913	387.7004	9.923708	9.79535
10907	M563T10_	1.120641	-0.16432	-0.51201	0.624326	0.867996	DOWN	562.9561	562.9556	562.957	9.939575	9.827283
10908	M945T10	1.126582	0.171953	0.518818	0.624341	0.867996	UP	945.4462	945.4431	945.4475	9.987092	9.8753
10909	M389T9_3	1.067083	-0.09367	-0.50924	0.624346	0.867997	DOWN	389.2542	389.2535	389.2543	8.985492	8.892117
10910	M346T42	1.120576	-0.16424	-0.50963	0.624428	0.868001	DOWN	346.186	346.1859	346.1861	41.647	41.575
10911	M432T10_	1.223843	0.291419	0.50979	0.624439	0.868002	UP	431.956	431.9556	431.9564	9.968992	9.859233
10912	M427T10_	1.118725	-0.16186	-0.51209	0.624554	0.868008	DOWN	427.2678	427.2673	427.2686	9.972917	9.859233
10913	M555T9_2	1.091945	-0.1269	-0.51051	0.624615	0.868011	DOWN	555.2763	555.2756	555.277	9.461042	9.38595
10914	M460T10_	1.175577	0.233369	0.519601	0.624647	0.868013	UP	459.6054	459.6053	459.6056	9.98345	9.8753
10915	M372T9_6	1.130923	-0.1775	-0.51995	0.624749	0.868019	DOWN	372.4861	372.4859	372.4868	9.303167	9.06315
10916	M396T39_	1.172778	-0.22993	-0.51565	0.624806	0.868022	DOWN	396.2226	396.2225	396.2227	39.302	39.187
10917	M731T19	1.194253	-0.25611	-0.51806	0.624886	0.868026	DOWN	731.4512	731.4512	731.4513	19.431	19.41867
10918	M477T9_4	1.147199	-0.19812	-0.51362	0.624921	0.868028	DOWN	476.8204	476.8192	476.8291	8.890775	8.765117
10919	M775T10_	1.04709	-0.06639	-0.50851	0.624942	0.86803	DOWN	774.884	774.8831	774.8846	9.953367	9.859233



10920	M641T9_2	1.12045	-0.16408	-0.50837	0.625069	0.868036	DOWN	641.2638	641.2631	641.2645	9.485058	9.40135
10921	M482T11_	1.184905	0.244772	0.525714	0.625106	0.868039	UP	482.1153	482.1148	482.1156	10.87765	10.8214
10922	M438T20	1.076034	0.105724	0.508058	0.625138	0.86804	UP	438.3684	438.368	438.3693	20.245	20.23033
10923	M404T10_	1.139335	-0.18819	-0.50918	0.625244	0.868046	DOWN	403.7125	403.7124	403.7127	9.968992	9.8753
10924	M391T11_	1.069897	0.097472	0.508301	0.625313	0.86805	UP	390.5795	390.5792	390.5797	10.89875	10.879
10925	M200T10_	1.139541	-0.18845	-0.5123	0.625396	0.868054	DOWN	199.6288	199.6287	199.6289	9.964092	9.859233
10926	M1862T10	1.155851	-0.20896	-0.51299	0.625421	0.868056	DOWN	1861.771	1861.77	1861.775	9.821225	9.73145
10927	M838T10_	1.142555	-0.19226	-0.51647	0.625487	0.86806	DOWN	838.2739	838.2734	838.2746	9.979667	9.8753
10928	M797T10_	1.206399	-0.27071	-0.50807	0.625596	0.868066	DOWN	796.5791	796.5785	796.5795	9.896717	9.859667
10929	M401T27_	1.143473	-0.19342	-0.51483	0.6256	0.868066	DOWN	401.2942	401.294	401.2944	26.80983	26.78333
10930	M570T10_	1.081115	-0.11252	-0.51012	0.625619	0.868067	DOWN	569.9136	569.9132	569.914	9.932033	9.827283
10931	M374T10_	1.344897	-0.4275	-0.50968	0.625629	0.868067	DOWN	374.1709	374.1705	374.171	9.566767	9.478833
10932	M367T19	1.167075	0.222897	0.512766	0.625755	0.868074	UP	367.1726	367.1725	367.1726	19.30225	19.14367
10933	M564T43_	1.161461	-0.21594	-0.52471	0.625765	0.868075	DOWN	564.3375	564.3372	564.3378	42.76917	42.52433
10934	M594T9_1	1.157747	-0.21132	-0.50736	0.62577	0.868075	DOWN	594.1962	594.1956	594.197	9.29795	9.0637
10935	M444T10_	1.181052	-0.24007	-0.50865	0.626042	0.86809	DOWN	444.425	444.4247	444.4251	9.9468	9.843367
10936	M1046T10	1.147059	-0.19794	-0.51017	0.626045	0.86809	DOWN	1046.431	1046.43	1046.431	9.82645	9.715683
10937	M182T10_	1.24869	0.320415	0.507402	0.626103	0.868093	UP	181.5552	181.555	181.5553	9.965717	9.869467
10938	M662T11_	1.225011	-0.29279	-0.50795	0.626325	0.868106	DOWN	662.3331	662.3321	662.3339	10.89125	10.85018
10939	M203T6_1	1.094587	-0.13039	-0.50691	0.626386	0.868109	DOWN	203.0078	203.0077	203.0079	5.503475	5.45645
10940	M453T9_3	1.145006	0.195355	0.513553	0.626454	0.868113	UP	452.6949	452.684	452.6957	9.3297	9.1445
10941	M749T10_	1.044106	0.062269	0.522367	0.626461	0.868113	UP	748.7806	748.7786	748.7817	9.83135	9.715683
10942	M442T10_	1.358568	0.442087	0.521466	0.626469	0.868113	UP	442.3471	442.3466	442.3475	10.43278	10.3771
10943	M651T10_	1.141012	0.190314	0.507172	0.626475	0.868114	UP	650.7587	650.7582	650.7591	9.95385	9.843367
10944	M402T10_	1.154829	0.207679	0.517374	0.626513	0.868116	UP	401.6704	401.6698	401.6751	9.929542	9.827283
10945	M289T39	1.029958	-0.04259	-0.5211	0.626534	0.868117	DOWN	289.1642	289.1641	289.1645	38.79108	38.69767
10946	M449T10_	1.150341	0.202062	0.506909	0.626536	0.868117	UP	449.1433	449.1429	449.1436	9.968992	9.859233
10947	M756T9_3	1.172331	0.22938	0.521253	0.626593	0.86812	UP	755.8214	755.8213	755.8218	9.42045	9.3834
10948	M225T10_	1.208171	0.272825	0.508063	0.626677	0.868125	UP	224.7328	224.7328	224.733	9.95825	9.8753
10949	M719T9_1	1.073847	0.102788	0.505685	0.626728	0.868128	UP	718.5587	718.5578	718.56	9.478517	9.416817
10950	M912T10_	1.135337	-0.18312	-0.50654	0.626772	0.86813	DOWN	911.537	911.536	911.5374	9.59825	9.478833
10951	M501T9_1	1.251761	0.32396	0.521407	0.626823	0.868133	UP	500.7725	500.771	500.7728	9.365833	9.234417
10952	M600T10_	1.203809	-0.26761	-0.50576	0.626848	0.868134	DOWN	600.233	600.2327	600.2334	9.760008	9.65225
10953	M766T10_	1.115415	0.157581	0.505882	0.626991	0.868142	UP	765.9192	765.9189	765.9198	10.16588	10.08517
10954	M270T10_	1.119901	0.163371	0.51352	0.626992	0.868142	UP	270.1597	270.1596	270.1599	9.74925	9.636483

10955	M552T9_2	1.268876	0.343551	0.508291	0.627064	0.868146	UP	551.6971	551.6941	551.6996	9.17485	9.129317
10956	M616T10_	1.254868	0.327535	0.522264	0.62713	0.86815	UP	616.0713	616.0704	616.0761	9.818525	9.73145
10957	M303T10_	1.213918	-0.27967	-0.50818	0.627206	0.868154	DOWN	302.883	302.8828	302.8832	9.983467	9.8914
10958	M230T14_	1.105936	-0.14527	-0.50832	0.627277	0.868158	DOWN	230.0482	230.048	230.0485	13.5805	13.49257
10959	M1297T10	1.103392	0.141946	0.507674	0.627311	0.86816	UP	1296.882	1296.88	1296.884	9.979325	9.859233
10960	M380T10_	1.219249	-0.28599	-0.50476	0.627422	0.868166	DOWN	379.8442	379.8421	379.8465	9.90295	9.779267
10961	M631T10_	1.15361	-0.20616	-0.50648	0.627426	0.868166	DOWN	631.2254	631.2241	631.2266	9.9351	9.827283
10962	M674T10_	1.263494	-0.33742	-0.50451	0.627505	0.86817	DOWN	674.4483	674.4479	674.4486	9.91765	9.811217
10963	M1862T10	1.320831	0.401445	0.523078	0.627589	0.868175	UP	1862.409	1862.406	1862.413	9.8207	9.728083
10964	M333T10_	1.043529	0.061471	0.505578	0.627672	0.868179	UP	332.61	332.6098	332.6106	9.843742	9.715683
10965	M623T9_1	1.291152	-0.36866	-0.50501	0.627783	0.868185	DOWN	622.9795	622.9789	622.9803	9.250817	9.234417
10966	M201T9_1	1.525467	-0.60925	-0.51696	0.627873	0.86819	DOWN	200.9565	200.956	200.9584	9.45945	9.388367
10967	M552T11_	1.15194	0.204066	0.511814	0.627978	0.868196	UP	552.3006	552.3003	552.302	11.32458	11.3006
10968	M375T11_	1.155177	-0.20811	-0.50845	0.628039	0.868199	DOWN	374.7297	374.7296	374.7299	10.91478	10.879
10969	M339T9_5	1.410087	0.495785	0.520015	0.628055	0.8682	UP	339.2072	339.2007	339.2078	9.354867	9.235933
10970	M303T10_	1.16433	0.2195	0.504915	0.628122	0.868204	UP	302.6198	302.6195	302.6199	9.923158	9.900133
10971	M881T10_	1.198097	0.260744	0.506502	0.628203	0.868208	UP	881.1165	881.1149	881.1179	9.968992	9.859233
10972	M279T10_	1.251773	0.323974	0.503325	0.628362	0.868217	UP	278.989	278.9888	278.9891	9.93625	9.827283
10973	M481T8	1.448716	-0.53477	-0.50321	0.628454	0.868222	DOWN	481.2609	481.2609	481.2611	7.706	7.564033
10974	M291T11_	1.207337	0.271828	0.506117	0.628482	0.868224	UP	291.164	291.1637	291.1651	10.94208	10.83572
10975	M374T9_5	1.126994	-0.17248	-0.51034	0.628586	0.868229	DOWN	373.9825	373.9824	373.9827	9.304633	9.1011
10976	M659T29	1.269334	-0.34407	-0.50529	0.62862	0.868231	DOWN	659.4916	659.4913	659.4917	28.80867	28.783
10977	M375T11_	1.090135	-0.12451	-0.50522	0.628829	0.868242	DOWN	375.2177	375.2174	375.2178	10.90628	10.879
10978	M381T18	1.150218	0.201907	0.51388	0.628845	0.868243	UP	381.311	381.3107	381.3113	17.9805	17.91767
10979	M289T44	1.232053	-0.30106	-0.50255	0.628846	0.868243	DOWN	289.1643	289.1641	289.1644	44.18558	43.70383
10980	M444T10_	1.139336	-0.18819	-0.50508	0.628919	0.868247	DOWN	443.941	443.9405	443.9416	9.94785	9.827283
10981	M501T11_	1.099489	-0.13683	-0.51	0.628992	0.868251	DOWN	501.1886	501.1883	501.1891	10.92598	10.90553
10982	M300T10_	1.060578	-0.08485	-0.51326	0.628999	0.868252	DOWN	300.1972	300.197	300.1974	9.958617	9.843367
10983	M286T24	1.183758	0.243375	0.514887	0.629066	0.868255	UP	286.2738	286.2736	286.2739	23.95	23.75383
10984	M683T11_	1.140685	0.189901	0.502302	0.629094	0.868257	UP	682.5616	682.5611	682.5621	10.8848	10.85838
10985	M541T10_	1.361213	0.444893	0.502671	0.629118	0.868258	UP	541.1861	541.1858	541.1862	9.750783	9.696683
10986	M290T23_	1.070854	-0.09876	-0.51423	0.629225	0.868264	DOWN	290.4379	290.4379	290.4381	22.90025	22.88567
10987	M250T15	1.142942	0.192752	0.504623	0.62931	0.868269	UP	250.1071	250.1069	250.1077	14.66334	14.61788
10988	M451T10_	1.215931	-0.28206	-0.5049	0.629483	0.868278	DOWN	451.3442	451.344	451.3453	9.536783	9.432533
10989	M237T10_	1.177522	-0.23575	-0.5027	0.6295	0.868279	DOWN	237.4693	237.4692	237.4695	9.939575	9.92825

10990	M256T10_	1.158891	0.212745	0.504075	0.629601	0.868284	UP	256.3305	256.3302	256.3308	9.958617	9.859233
10991	M474T10_	1.196924	-0.25933	-0.50397	0.629619	0.868285	DOWN	474.4165	474.4162	474.4168	9.956417	9.843367
10992	M324T9_1	1.066474	-0.09285	-0.50436	0.629666	0.868288	DOWN	324.42	324.4198	324.4201	8.810233	8.715883
10993	M227T9_4	1.219315	-0.28607	-0.50193	0.629695	0.86829	DOWN	226.8202	226.8169	226.8204	9.2946	9.098833
10994	M907T26_	1.114866	-0.15687	-0.50204	0.629695	0.86829	DOWN	906.6363	906.636	906.637	25.59067	25.56417
10995	M454T10_	1.190808	-0.25194	-0.50704	0.629722	0.868291	DOWN	454.0358	454.0347	454.0364	9.951283	9.869467
10996	M699T10_	1.138391	0.186996	0.501206	0.629758	0.868293	UP	699.4888	699.4884	699.4916	9.871042	9.7634
10997	M653T9_1	1.218401	0.284989	0.512605	0.629768	0.868294	UP	653.3346	653.3345	653.3354	9.224517	9.18975
10998	M288T23_	1.423588	0.509532	0.501171	0.629777	0.868294	UP	288.3369	288.3348	288.344	22.94367	22.828
10999	M352T11_	1.285	0.361769	0.520302	0.629844	0.868298	UP	352.0386	352.0371	352.0394	10.93338	10.90553
11000	M486T28	1.135058	-0.18277	-0.50463	0.629866	0.868299	DOWN	486.3568	486.3564	486.3576	28.28083	28.274
11001	M252T11_	1.11492	0.15694	0.501126	0.629899	0.868301	UP	252.1015	252.1012	252.1016	10.91642	10.87487
11002	M402T27_	1.244369	-0.31541	-0.50254	0.6299	0.868301	DOWN	401.5451	401.5449	401.5452	26.79783	26.76617
11003	M574T30	1.153757	-0.20634	-0.505	0.630086	0.868311	DOWN	574.4427	574.4419	574.4436	30.2805	30.26467
11004	M542T29	1.17445	-0.23199	-0.50059	0.630143	0.868314	DOWN	541.8519	541.8512	541.852	28.54733	28.51083
11005	M472T9_1	1.336688	0.418663	0.511406	0.630149	0.868314	UP	472.3575	472.3565	472.3578	8.954767	8.878667
11006	M251T10_	1.280837	0.357086	0.513879	0.630332	0.868324	UP	250.9476	250.947	250.9481	9.969158	9.859233
11007	M329T21_	1.094096	0.12974	0.500332	0.630382	0.868327	UP	329.316	329.3158	329.3161	21.37117	21.363
11008	M354T19	1.123279	-0.16772	-0.5154	0.630404	0.868328	DOWN	354.2216	354.2214	354.2222	19.32967	19.27483
11009	M597T10_	1.171435	0.228276	0.50247	0.630438	0.86833	UP	596.6297	596.6282	596.6303	9.916525	9.827283
11010	M244T9_5	1.336241	-0.41818	-0.50179	0.63045	0.868331	DOWN	243.7923	243.7897	243.7932	9.2709	9.219483
11011	M166T24	1.060026	0.084099	0.500931	0.630461	0.868331	UP	166.0986	166.0985	166.0986	23.68925	23.65833
11012	M651T9_2	1.126319	0.171616	0.500349	0.630499	0.868333	UP	651.4798	651.4789	651.4802	9.481367	9.370583
11013	M415T41_	1.074211	-0.10328	-0.50195	0.630558	0.868336	DOWN	415.2322	415.2321	415.2323	40.66867	40.525
11014	M478T40_	1.042282	0.059745	0.514859	0.630575	0.868337	UP	478.2644	478.2642	478.2646	40.007	39.9925
11015	M633T10_	1.181857	-0.24106	-0.50194	0.630579	0.868338	DOWN	632.8974	632.8968	632.8986	9.943183	9.827283
11016	M734T10_	1.139334	0.188191	0.506685	0.630623	0.86834	UP	734.4873	734.4865	734.4879	9.650367	9.556217
11017	M359T10_	1.138032	0.186541	0.504102	0.630635	0.868341	UP	359.0032	359.0026	359.0042	9.968992	9.843367
11018	M334T10_	1.061573	0.086204	0.500622	0.630715	0.868345	UP	333.7959	333.7958	333.7972	9.828642	9.699733
11019	M262T10_	1.197266	0.259744	0.500914	0.630762	0.868347	UP	262.2033	262.203	262.2035	9.956417	9.843367
11020	M220T10_	1.16586	-0.22139	-0.49961	0.6308	0.86835	DOWN	220.1785	220.1781	220.186	9.830283	9.7124
11021	M373T40	1.04267	-0.06028	-0.51654	0.630808	0.86835	DOWN	373.2218	373.2218	373.2221	40.16517	40.165
11022	M869T12_	1.166804	-0.22256	-0.49981	0.630883	0.868354	DOWN	869.3999	869.3995	869.4	12.09943	12.0761
11023	M551T10_	1.070066	-0.0977	-0.5023	0.630914	0.868356	DOWN	551.248	551.2478	551.2482	9.9091	9.79535
11024	M366T10_	1.051595	-0.07258	-0.50609	0.630917	0.868356	DOWN	366.2307	366.2305	366.2309	9.8207	9.715683

11025	M497T9_1	1.204063	0.267911	0.502333	0.630919	0.868356	UP	497.4373	497.4362	497.4379	9.170442	9.132267
11026	M519T10_	1.154731	0.207557	0.50881	0.63096	0.868358	UP	519.4058	519.4047	519.4061	9.979342	9.8753
11027	M366T9_9	1.139413	-0.18829	-0.50261	0.630971	0.868359	DOWN	366.2968	366.2967	366.2972	9.253508	9.174883
11028	M218T11_	1.082816	-0.11479	-0.5	0.631017	0.868361	DOWN	217.5866	217.5846	217.5868	10.90375	10.88995
11029	M440T29_	1.273532	-0.34884	-0.50166	0.631043	0.868363	DOWN	439.9964	439.9959	439.9965	28.83467	28.79767
11030	M658T10_	1.04268	0.060296	0.516831	0.631067	0.868364	UP	657.6339	657.6333	657.636	9.8397	9.715683
11031	M345T9_1	1.087699	-0.12128	-0.50095	0.631135	0.868368	DOWN	345.2382	345.238	345.2386	9.3332	9.234417
11032	M225T45_	1.146108	0.196743	0.499457	0.631182	0.86837	UP	225.1119	225.1119	225.1119	44.854	44.73917
11033	M578T11_	1.085162	-0.11791	-0.50453	0.63128	0.868376	DOWN	578.4219	578.4214	578.4221	10.5188	10.47223
11034	M191T10_	1.12704	-0.17254	-0.50308	0.631346	0.868379	DOWN	190.6945	190.6942	190.6947	9.985117	9.8753
11035	M540T9_3	1.103997	-0.14274	-0.49905	0.631434	0.868384	DOWN	540.363	540.3621	540.3633	8.810442	8.715883
11036	M397T10_	1.046063	-0.06497	-0.49992	0.631445	0.868384	DOWN	397.0766	397.0763	397.0767	9.917167	9.811217
11037	M1767T10	1.099265	-0.13654	-0.49878	0.631466	0.868386	DOWN	1766.778	1766.775	1766.779	9.808967	9.715683
11038	M280T11_	1.184517	0.244299	0.502887	0.631553	0.86839	UP	280.3728	280.3726	280.3734	10.90481	10.85018
11039	M530T11	1.261617	0.335274	0.510365	0.631638	0.868395	UP	530.3182	530.3177	530.3191	11.32145	11.28597
11040	M988T11	1.104366	-0.14322	-0.50127	0.631642	0.868395	DOWN	988.431	988.43	988.4319	10.58582	10.48782
11041	M1576T10	1.297285	-0.3755	-0.50132	0.631646	0.868395	DOWN	1575.96	1575.951	1575.962	9.9174	9.887133
11042	M495T9_1	1.153474	0.205985	0.503209	0.631714	0.868399	UP	494.5062	494.5036	494.5069	9.295967	9.110833
11043	M541T9_5	1.106173	-0.14558	-0.50468	0.63176	0.868401	DOWN	540.6974	540.697	540.698	8.847658	8.749717
11044	M401T11_	1.248176	-0.31982	-0.49991	0.631795	0.868403	DOWN	401.1141	401.1072	401.1166	10.92117	10.85838
11045	M484T17_	1.146397	-0.19711	-0.50313	0.631843	0.868406	DOWN	484.3456	484.3452	484.3458	17.307	17.24667
11046	M289T11_	1.281685	0.358042	0.512969	0.631901	0.868409	UP	289.1882	289.1832	289.193	10.82161	10.67552
11047	M454T40_	1.124836	0.169714	0.515478	0.631944	0.868411	UP	454.2642	454.2641	454.2645	39.89183	39.704
11048	M504T43_	1.202149	-0.26562	-0.50354	0.631961	0.868412	DOWN	504.2799	504.2796	504.2801	43.48817	43.33
11049	M651T10_	1.082411	-0.11425	-0.49917	0.631969	0.868413	DOWN	651.146	651.1454	651.1473	9.887117	9.7634
11050	M1230T10	1.210779	-0.27594	-0.49839	0.631971	0.868413	DOWN	1229.787	1229.787	1229.788	9.960892	9.859233
11051	M592T11_	1.183341	0.242866	0.498249	0.631976	0.868413	UP	591.8247	591.8238	591.8252	10.86144	10.83572
11052	M311T39	1.038584	-0.05462	-0.5082	0.632096	0.86842	DOWN	311.2943	311.2942	311.2945	39.20117	39.1725
11053	M263T10_	1.070866	-0.09878	-0.49956	0.632144	0.868422	DOWN	263.214	263.2139	263.2143	9.772833	9.665433
11054	M433T9_7	1.106999	-0.14665	-0.50022	0.63216	0.868423	DOWN	432.9645	432.9637	432.9653	9.369658	9.30965
11055	M712T9_2	1.188109	-0.24867	-0.50276	0.632289	0.86843	DOWN	712.0087	712.0083	712.0093	9.16125	9.158833
11056	M494T11_	1.100008	0.137514	0.498338	0.632386	0.868435	UP	494.0038	494.0033	494.0041	10.89907	10.879
11057	M208T10_	1.149381	0.200857	0.501338	0.632445	0.868438	UP	207.6989	207.691	207.6989	9.856867	9.73145
11058	M763T11	1.099221	-0.13648	-0.49787	0.632521	0.868442	DOWN	762.5188	762.5185	762.5206	10.89875	10.8646
11059	M389T10_	1.287379	0.364437	0.510477	0.632583	0.868446	UP	389.4481	389.4478	389.4549	9.888817	9.79535

11060	M397T9_1	1.310763	0.390407	0.507684	0.632732	0.868454	UP	396.5883	396.5877	396.5915	9.18975	9.142767
11061	M518T44_	1.114572	-0.15649	-0.49662	0.632886	0.868462	DOWN	518.2956	518.2953	518.2958	43.60333	43.40183
11062	M395T9_7	1.109552	0.149977	0.497846	0.632891	0.868462	UP	395.2149	395.2148	395.2153	9.379233	9.253783
11063	M201T10_	1.172359	0.229414	0.496571	0.632914	0.868464	UP	200.9234	200.9222	200.9239	9.872475	9.7634
11064	M697T10_	1.124189	0.168885	0.505797	0.632973	0.868467	UP	697.3262	697.3258	697.327	10.18453	10.12765
11065	M851T9	1.145433	0.195893	0.496281	0.633044	0.868471	UP	850.5435	850.5429	850.5439	8.85555	8.742633
11066	M353T44_	1.101112	0.138961	0.510989	0.633046	0.868471	UP	353.2321	353.2319	353.2323	44.3725	44.27917
11067	M209T10_	1.049562	-0.06979	-0.4995	0.633266	0.868483	DOWN	209.0158	209.0158	209.0159	9.842908	9.73145
11068	M289T24_	1.039096	-0.05533	-0.50366	0.633346	0.868487	DOWN	289.2928	289.2926	289.2928	24.0675	24.05467
11069	M379T14_	1.355422	0.438742	0.497219	0.633348	0.868487	UP	379.1992	379.1986	379.1994	13.87268	13.8436
11070	M587T9_3	1.168585	0.224762	0.495933	0.633394	0.868489	UP	587.1814	587.1782	587.1842	9.3363	9.250817
11071	M364T11_	1.163578	-0.21857	-0.4998	0.633461	0.868493	DOWN	363.9328	363.9284	363.9335	10.92598	10.879
11072	M535T10_	1.087972	-0.12164	-0.49869	0.633474	0.868494	DOWN	535.4104	535.41	535.4117	9.94785	9.843367
11073	M803T10_	1.105261	0.144387	0.500273	0.633509	0.868496	UP	802.9826	802.9824	802.9829	9.954217	9.843367
11074	M663T10_	1.118483	0.161544	0.500931	0.633549	0.868498	UP	663.3906	663.3901	663.3932	9.839008	9.816167
11075	M206T9_2	1.180504	0.239402	0.502251	0.633636	0.868502	UP	206.4614	206.4567	206.4619	9.303042	9.129317
11076	M447T10_	1.179168	0.23777	0.496349	0.633703	0.868506	UP	446.7351	446.7345	446.7361	9.9351	9.714783
11077	M684T10_	1.090204	-0.1246	-0.49625	0.633711	0.868506	DOWN	683.6678	683.6674	683.668	9.834117	9.715683
11078	M1825T10	1.115976	0.158306	0.494975	0.633925	0.868518	UP	1825.478	1825.474	1825.483	9.842	9.73145
11079	M824T10_	1.12506	-0.17	-0.49977	0.633959	0.86852	DOWN	823.6315	823.6302	823.632	9.929783	9.843367
11080	M195T9_4	1.395727	0.481016	0.511567	0.634007	0.868522	UP	194.7586	194.758	194.759	9.369667	9.204617
11081	M478T24	1.12772	-0.17341	-0.49766	0.634042	0.868524	DOWN	478.3521	478.3519	478.3523	23.68183	23.6675
11082	M420T10_	1.120331	0.163925	0.510744	0.63415	0.86853	UP	420.3996	420.3991	420.3997	9.943183	9.843367
11083	M474T41_	1.130054	-0.17639	-0.5078	0.634168	0.868531	DOWN	474.2694	474.269	474.2696	40.65433	40.32333
11084	M533T10_	1.166902	0.222683	0.509062	0.634173	0.868531	UP	532.7009	532.7001	532.7017	9.964417	9.859233
11085	M658T10_	1.099344	0.136643	0.507567	0.634255	0.868536	UP	657.5464	657.546	657.5473	9.823575	9.715683
11086	M379T10_	1.051762	-0.07281	-0.49583	0.63438	0.868542	DOWN	378.7478	378.7473	378.7485	9.917167	9.811217
11087	M270T10_	1.06735	0.094034	0.501523	0.634382	0.868542	UP	269.5717	269.5716	269.5718	9.83135	9.699733
11088	M668T13	1.13004	-0.17637	-0.49425	0.634425	0.868545	DOWN	668.4832	668.4826	668.4838	12.93876	12.92288
11089	M337T9_1	1.234369	0.303774	0.495532	0.634544	0.868551	UP	336.5679	336.5676	336.5682	8.783317	8.658183
11090	M689T36	1.274168	-0.34956	-0.49401	0.634635	0.868556	DOWN	688.5208	688.5203	688.5214	35.74933	35.733
11091	M212T9_7	1.196138	0.258383	0.494169	0.634721	0.868561	UP	211.9669	211.9663	211.9678	9.37135	9.1322
11092	M225T42_	1.136315	-0.18436	-0.49752	0.63488	0.868569	DOWN	225.1482	225.1481	225.1484	41.88367	41.69
11093	M195T11_	1.064152	0.089705	0.496012	0.634957	0.868573	UP	194.6984	194.6983	194.6988	10.91263	10.879
11094	M482T10_	1.104574	-0.14349	-0.5042	0.63498	0.868574	DOWN	482.1431	482.1427	482.1434	9.970617	9.8753

11095	M159T7_2	1.309403	-0.38891	-0.49877	0.634986	0.868575	DOWN	158.9638	158.9637	158.9639	7.43355	7.216
11096	M1125T10	1.174897	-0.23253	-0.49922	0.635059	0.868579	DOWN	1124.988	1124.987	1124.988	9.8207	9.699733
11097	M184T9_8	1.259163	-0.33246	-0.49611	0.63507	0.868579	DOWN	184.1694	184.1693	184.1697	8.571933	8.339017
11098	M246T10_	1.190182	-0.25118	-0.49395	0.635122	0.868582	DOWN	246.0922	246.0919	246.1	9.946467	9.827283
11099	M554T9_5	1.169836	-0.22631	-0.49325	0.635286	0.868591	DOWN	554.1476	554.1471	554.1485	9.064833	9.03845
11100	M401T10_	1.080545	-0.11176	-0.49838	0.63533	0.868593	DOWN	400.8023	400.8022	400.8024	9.538267	9.416817
11101	M483T10_	1.301793	0.3805	0.501394	0.635331	0.868593	UP	483.0354	483.0352	483.0393	9.960967	9.772833
11102	M211T10_	1.06972	-0.09723	-0.49688	0.635359	0.868595	DOWN	211.4681	211.4678	211.4764	9.818525	9.699733
11103	M234T9_1	1.422752	0.508685	0.51093	0.635447	0.868599	UP	234.4645	234.4616	234.4662	9.275917	9.132033
11104	M1671T10	1.292602	-0.37028	-0.49637	0.635491	0.868602	DOWN	1670.954	1670.953	1670.956	9.964092	9.853533
11105	M347T9_7	1.164469	0.219673	0.494929	0.635718	0.868614	UP	347.2984	347.2962	347.3032	9.246042	9.0864
11106	M495T29_	1.170281	0.226856	0.499995	0.635757	0.868616	UP	495.3268	495.3265	495.327	29.11192	29.1
11107	M291T10_	1.146009	0.196619	0.498814	0.635761	0.868616	UP	291.2975	291.2972	291.2978	9.962617	9.843367
11108	M356T10_	1.283984	-0.36063	-0.49557	0.635786	0.868617	DOWN	356.0128	356.0123	356.0129	9.82645	9.772883
11109	M1919T10	1.150329	-0.20205	-0.49823	0.635812	0.868619	DOWN	1919.02	1919.019	1919.024	9.8322	9.715683
11110	M438T39_	1.127712	0.173399	0.510574	0.635825	0.868619	UP	438.2694	438.2692	438.2697	38.633	38.40983
11111	M201T10_	1.075409	-0.10488	-0.49209	0.635894	0.868623	DOWN	201.4775	201.4773	201.4776	9.970617	9.8753
11112	M212T11_	1.088002	-0.12168	-0.49391	0.635951	0.868626	DOWN	211.5349	211.5348	211.535	10.89875	10.879
11113	M498T9_5	1.095629	-0.13176	-0.49811	0.635983	0.868628	DOWN	497.8676	497.8673	497.868	9.16125	9.12675
11114	M207T9_1	1.200102	0.263157	0.49666	0.636061	0.868632	UP	206.9007	206.9004	206.9008	9.262125	9.147367
11115	M664T10_	1.144187	-0.19432	-0.50103	0.636086	0.868633	DOWN	663.6785	663.6777	663.6788	9.972917	9.859233
11116	M563T10_	1.092216	-0.12726	-0.49208	0.636169	0.868638	DOWN	563.256	563.2554	563.2562	9.951283	9.869467
11117	M996T22	1.113117	-0.15461	-0.49246	0.636272	0.868643	DOWN	995.692	995.6906	995.6938	22.20967	22.19633
11118	M809T20	1.179342	-0.23798	-0.49178	0.636274	0.868643	DOWN	808.6008	808.6003	808.6025	20.25367	20.21583
11119	M685T9_2	1.191188	0.252402	0.491588	0.636382	0.868649	UP	685.3915	685.3907	685.392	8.9177	8.802417
11120	M446T44_	1.125997	-0.1712	-0.50373	0.636415	0.868651	DOWN	446.2745	446.2743	446.2748	43.68483	43.14267
11121	M892T9	1.363114	0.446906	0.49808	0.636471	0.868654	UP	892.303	892.3021	892.3066	9.494433	9.432183
11122	M620T17	1.114767	-0.15674	-0.49827	0.636479	0.868654	DOWN	620.3751	620.375	620.3755	17.26267	17.24867
11123	M1135T10	1.112458	-0.15375	-0.50149	0.636531	0.868657	DOWN	1135.31	1135.309	1135.311	9.8322	9.715683
11124	M359T30_	1.407494	-0.49313	-0.49346	0.636567	0.868659	DOWN	359.0079	359.0078	359.0081	29.57617	29.56083
11125	M731T10_	1.158089	-0.21175	-0.49275	0.636572	0.868659	DOWN	730.9506	730.9501	730.9515	9.958617	9.843367
11126	M608T43_	1.103451	-0.14202	-0.50414	0.636623	0.868662	DOWN	608.3638	608.3636	608.3642	43.19325	43.09983
11127	M450T10_	1.141323	-0.19071	-0.4926	0.636629	0.868662	DOWN	449.6001	449.5995	449.6005	9.986767	9.8914
11128	M868T10_	1.10923	0.149559	0.494217	0.636643	0.868663	UP	867.8732	867.8729	867.8735	9.951283	9.859233
11129	M466T13	1.230067	0.298737	0.497719	0.636699	0.868666	UP	465.8714	465.8706	465.8718	13.33901	13.31802

11130	M423T11_	1.417235	-0.50308	-0.49081	0.6368	0.868671	DOWN	423.1853	423.1833	423.1913	10.98333	10.86517
11131	M552T10_	1.140484	-0.18965	-0.49098	0.636847	0.868674	DOWN	551.9815	551.9807	551.9819	9.933967	9.859233
11132	M1432T10	1.129604	-0.17582	-0.49087	0.63708	0.868686	DOWN	1431.701	1431.699	1431.705	9.94785	9.853533
11133	M206T10_	1.070515	0.098305	0.49259	0.637222	0.868694	UP	206.3457	206.3455	206.3518	9.894392	9.811217
11134	M367T9_1	1.245041	0.316193	0.49436	0.637223	0.868694	UP	366.7182	366.7169	366.7205	9.232283	9.1602
11135	M227T11_	1.073741	-0.10265	-0.49051	0.637246	0.868695	DOWN	226.9536	226.9535	226.9537	10.892	10.879
11136	M721T10_	1.05017	-0.07062	-0.49059	0.637258	0.868696	DOWN	721.2115	721.2102	721.2122	9.825492	9.715683
11137	M687T10_	1.136521	-0.18462	-0.49004	0.637286	0.868697	DOWN	686.5266	686.526	686.5267	9.80415	9.699733
11138	M737T25	1.16213	0.216771	0.498099	0.637422	0.868704	UP	736.5181	736.5181	736.5186	25.26967	25.24533
11139	M259T11_	1.071926	-0.10021	-0.49011	0.637431	0.868705	DOWN	258.9805	258.9804	258.9806	10.892	10.879
11140	M560T10_	1.201334	0.264637	0.503124	0.637446	0.868706	UP	559.9944	559.9929	559.9951	9.9351	9.827283
11141	M1832T10	1.347746	0.430548	0.504557	0.637468	0.868707	UP	1831.628	1831.626	1831.637	9.8095	9.728083
11142	M182T9_6	1.256257	0.329132	0.489739	0.637527	0.86871	UP	182.1667	182.166	182.1675	9.245983	9.095133
11143	M455T9_1	1.100438	-0.13808	-0.49194	0.63756	0.868712	DOWN	455.3486	455.3485	455.3489	9.316842	9.129317
11144	M216T10_	1.123394	-0.16786	-0.49118	0.637678	0.868718	DOWN	216.2764	216.2721	216.2813	9.8235	9.715683
11145	M579T10_	1.100045	0.137562	0.489407	0.637727	0.868721	UP	579.1676	579.1666	579.1678	9.942317	9.827283
11146	M302T10_	1.200026	-0.26307	-0.48937	0.637728	0.868721	DOWN	302.0461	302.0415	302.0463	9.900133	9.811217
11147	M529T11_	1.149005	0.200385	0.489973	0.637889	0.868729	UP	529.0157	529.0124	529.0159	10.90765	10.87708
11148	M752T11_	1.085923	0.118922	0.494328	0.637904	0.86873	UP	751.6999	751.6995	751.7013	10.90659	10.88747
11149	M835T22_	1.104647	-0.14359	-0.49358	0.637991	0.868735	DOWN	834.5789	834.5781	834.5794	22.23967	22.23317
11150	M439T14_	1.057666	-0.08088	-0.4907	0.638009	0.868736	DOWN	439.3162	439.3161	439.3163	14.41488	14.39883
11151	M747T10_	1.130168	-0.17654	-0.49195	0.63802	0.868736	DOWN	747.4251	747.4243	747.4259	9.544317	9.46325
11152	M1625T10	1.16535	-0.22076	-0.49875	0.638129	0.868742	DOWN	1624.77	1624.766	1624.771	9.979958	9.916767
11153	M257T10_	1.090898	0.125517	0.488991	0.638156	0.868743	UP	256.9888	256.9885	256.9889	9.74925	9.65225
11154	M649T10_	1.112418	-0.1537	-0.49881	0.638238	0.868748	DOWN	649.0823	649.0816	649.0824	9.979958	9.8753
11155	M883T10_	1.090127	-0.1245	-0.50308	0.638353	0.868754	DOWN	883.3394	883.3383	883.3409	9.97155	9.859233
11156	M653T10_	1.130797	0.17734	0.488377	0.638553	0.868764	UP	652.7716	652.7713	652.772	9.944392	9.843367
11157	M543T10_	1.412663	0.498417	0.506228	0.638557	0.868765	UP	542.8073	542.8068	542.8106	9.621675	9.311883
11158	M1899T10	1.229075	-0.29757	-0.48807	0.63862	0.868768	DOWN	1899.132	1899.127	1899.135	9.946467	9.827283
11159	M414T21_	1.191371	-0.25262	-0.48981	0.638624	0.868768	DOWN	413.6595	413.6585	413.6597	20.85283	20.70933
11160	M432T9_8	1.235162	-0.3047	-0.48987	0.638676	0.868771	DOWN	432.2477	432.2455	432.2507	9.392442	9.175017
11161	M417T25	1.115245	-0.15736	-0.48958	0.638678	0.868771	DOWN	417.2177	417.2172	417.2184	24.5945	24.56583
11162	M439T18	1.161513	0.216005	0.493387	0.638685	0.868771	UP	439.316	439.3157	439.3165	17.66642	17.645
11163	M363T32_	1.188932	-0.24967	-0.48774	0.638832	0.868779	DOWN	362.799	362.7989	362.7991	31.75333	31.73867
11164	M500T24	1.248776	-0.32051	-0.49752	0.638876	0.868781	DOWN	500.3786	500.3785	500.3788	24.40258	24.39233

11165	M961T11	1.079024	-0.10973	-0.48754	0.63905	0.868791	DOWN	960.7054	960.7042	960.7061	10.892	10.879
11166	M539T9_3	1.270459	0.345349	0.492632	0.639144	0.868796	UP	539.3811	539.3808	539.3824	9.144858	9.07945
11167	M183T9_3	1.74378	0.802218	0.500532	0.639156	0.868796	UP	182.6952	182.6949	182.6958	9.138533	9.111033
11168	M622T10_	1.082231	0.114009	0.50115	0.639279	0.868803	UP	622.0465	622.0459	622.0472	9.8207	9.715683
11169	M538T11_	1.130042	-0.17638	-0.48711	0.639304	0.868804	DOWN	537.9143	537.9126	537.9148	10.89248	10.87765
11170	M382T9_5	1.127454	-0.17307	-0.48755	0.639363	0.868807	DOWN	381.8771	381.8754	381.8774	9.17485	9.145433
11171	M272T9_1	1.144863	0.195175	0.489095	0.639485	0.868814	UP	272.1856	272.1853	272.186	8.935292	8.858283
11172	M380T9_5	1.275945	0.351566	0.496902	0.639679	0.868824	UP	380.2427	380.2426	380.2429	9.494433	9.40135
11173	M425T10_	1.320368	-0.40094	-0.48836	0.639712	0.868826	DOWN	424.9573	424.9569	424.9576	9.960817	9.869467
11174	M1220T10	1.166252	0.221879	0.488146	0.639718	0.868826	UP	1220.084	1220.077	1220.085	9.979667	9.88865
11175	M419T10_	1.238725	0.308855	0.495497	0.639843	0.868832	UP	419.1459	419.1454	419.1461	9.970617	9.859233
11176	M446T43_	1.102561	0.140859	0.487883	0.63999	0.86884	UP	446.2382	446.238	446.2384	43.028	42.7545
11177	M476T10_	1.116552	-0.15905	-0.48845	0.640004	0.868841	DOWN	476.1014	476.1012	476.102	9.968992	9.8753
11178	M303T11_	1.14933	0.200793	0.491516	0.640012	0.868841	UP	302.6127	302.6122	302.6129	10.87765	10.85018
11179	M478T45_	1.144554	0.194786	0.494465	0.640058	0.868844	UP	478.2644	478.2639	478.2645	44.83967	44.72467
11180	M264T10_	1.20162	-0.26498	-0.48957	0.640071	0.868844	DOWN	264.3989	264.3989	264.399	9.533975	9.447983
11181	M229T11_	1.05459	-0.07668	-0.48733	0.640149	0.868849	DOWN	229.1625	229.1623	229.1625	10.91811	10.89355
11182	M151T10_	1.134107	-0.18156	-0.48782	0.640153	0.868849	DOWN	150.786	150.7858	150.786	9.934533	9.827283
11183	M440T10_	1.24207	0.312747	0.493164	0.640156	0.868849	UP	440.0537	440.0462	440.0538	9.946367	9.859233
11184	M639T10_	1.14285	-0.19264	-0.48661	0.640169	0.86885	DOWN	639.0725	639.0716	639.0731	9.830083	9.715683
11185	M387T10_	1.64863	-0.72127	-0.48585	0.640263	0.868855	DOWN	387.217	387.2072	387.221	10.00733	9.932
11186	M309T38	1.137263	0.185566	0.499547	0.640407	0.868862	UP	309.2786	309.2785	309.2788	37.60417	37.57533
11187	M1392T10	1.128143	-0.17395	-0.48944	0.640458	0.868865	DOWN	1391.799	1391.797	1391.801	10.27972	10.19852
11188	M410T9_4	1.147524	0.198525	0.485301	0.640474	0.868866	UP	409.7498	409.7488	409.751	9.159658	9.1158
11189	M386T10_	1.163231	0.218137	0.498964	0.640513	0.868868	UP	386.4284	386.4278	386.4288	9.935675	9.827283
11190	M693T3	1.224566	-0.29227	-0.48796	0.640545	0.868869	DOWN	693.4905	693.4903	693.491	3.310433	3.0588
11191	M195T10_	1.132958	0.180094	0.496263	0.640589	0.868872	UP	195.1684	195.1681	195.1686	9.939233	9.827283
11192	M404T10_	1.209438	-0.27434	-0.48564	0.640609	0.868873	DOWN	403.9922	403.992	403.9923	9.830833	9.728083
11193	M501T9_5	1.153385	0.205874	0.499222	0.640654	0.868875	UP	501.1001	501.0989	501.1065	9.193867	9.12675
11194	M530T30	1.099203	-0.13646	-0.49116	0.640663	0.868876	DOWN	530.4165	530.416	530.4166	30.2875	30.2805
11195	M202T9_2	1.215364	-0.28139	-0.48841	0.640708	0.868878	DOWN	201.5489	201.5482	201.5498	9.295817	9.12675
11196	M690T9_1	1.20464	-0.2686	-0.48495	0.640768	0.868881	DOWN	689.6544	689.6473	689.6561	9.1892	9.158833
11197	M203T10_	1.238486	-0.30858	-0.49054	0.640845	0.868885	DOWN	203.2971	203.297	203.2972	9.830283	9.715683
11198	M235T12	1.168897	0.225148	0.496435	0.640848	0.868885	UP	235.1303	235.1302	235.1304	11.82355	11.75363
11199	M394T24_	1.159491	-0.21349	-0.48522	0.640852	0.868886	DOWN	394.0357	394.0355	394.0362	24.1225	24.11067



11200	M1012T23	1.10262	0.140935	0.484578	0.640981	0.868892	UP	1011.688	1011.686	1011.688	22.5965	22.5435
11201	M653T11_	1.079593	0.110488	0.496491	0.641056	0.868896	UP	653.2721	653.2718	653.2727	11.49742	11.47593
11202	M509T12	1.155967	-0.2091	-0.48767	0.64113	0.8689	DOWN	509.2463	509.246	509.2464	12.22296	12.1785
11203	M224T10_	1.075576	-0.10511	-0.48583	0.641193	0.868903	DOWN	224.0401	224.0399	224.0403	9.924742	9.811217
11204	M579T11_	1.107537	-0.14736	-0.48466	0.641281	0.868908	DOWN	579.0174	579.0165	579.0177	10.71065	10.6899
11205	M381T9_1	1.164319	-0.21949	-0.49412	0.641293	0.868909	DOWN	381.4297	381.429	381.4346	9.303167	9.129317
11206	M232T11_	1.106202	0.145615	0.49509	0.641348	0.868912	UP	232.2992	232.2986	232.2993	10.91977	10.8926
11207	M388T11_	1.112852	-0.15426	-0.4842	0.641349	0.868912	DOWN	387.8305	387.8301	387.8307	10.8926	10.873
11208	M268T10_	1.173751	0.231127	0.495715	0.641431	0.868916	UP	267.8644	267.8641	267.8646	9.960817	9.859233
11209	M346T43_	1.146367	0.197068	0.483939	0.641506	0.86892	UP	346.1859	346.1858	346.186	42.71883	42.395
11210	M203T30	1.040631	0.057459	0.483814	0.641516	0.86892	UP	203.1065	203.1064	203.1065	29.83392	29.8195
11211	M890T11	1.143701	0.19371	0.490562	0.641519	0.86892	UP	889.7054	889.7041	889.7073	10.91674	10.89125
11212	M520T11_	1.137611	0.186008	0.499091	0.641631	0.868926	UP	519.8221	519.8204	519.8231	10.90659	10.879
11213	M553T10_	1.311785	0.391531	0.502098	0.641671	0.868928	UP	552.7646	552.7639	552.7657	9.969158	9.859233
11214	M758T10_	1.141593	0.191049	0.485304	0.64168	0.868929	UP	758.3988	758.3976	758.3995	9.958617	9.843367
11215	M452T10_	1.112049	-0.15322	-0.4953	0.641702	0.86893	DOWN	451.8159	451.8156	451.8162	9.83535	9.715683
11216	M579T11_	1.0728	-0.10138	-0.48415	0.641757	0.868933	DOWN	578.9233	578.9231	578.9242	10.52897	10.47197
11217	M351T10_	1.159915	0.214019	0.483435	0.641783	0.868934	UP	350.98	350.9799	350.9803	9.883025	9.811217
11218	M545T12	1.139971	0.188997	0.489257	0.641922	0.86895	UP	544.9244	544.9239	544.9255	11.99327	11.97343
11219	M398T11_	1.141315	-0.1907	-0.48366	0.642061	0.868965	DOWN	397.7873	397.7872	397.7878	10.91376	10.89355
11220	M418T11_	1.20842	0.273122	0.493506	0.64212	0.868972	UP	417.5969	417.5959	417.5975	10.89128	10.80695
11221	M300T10_	1.077347	-0.10748	-0.49908	0.642215	0.868982	DOWN	300.2119	300.2118	300.2124	9.918833	9.811217
11222	M215T9_1	1.159253	-0.2132	-0.4858	0.642437	0.869007	DOWN	214.7393	214.739	214.7399	9.264333	9.1322
11223	M496T11	1.140859	-0.19012	-0.48423	0.642468	0.86901	DOWN	495.8361	495.836	495.8365	10.90785	10.90553
11224	M405T9_4	1.074456	0.103607	0.482679	0.642563	0.869021	UP	405.2733	405.2731	405.2736	8.825317	8.715883
11225	M347T11_	1.063954	-0.08944	-0.48191	0.642779	0.869045	DOWN	347.0054	347.0053	347.0056	10.89907	10.879
11226	M919T10_	1.135992	0.183953	0.491275	0.642821	0.869049	UP	918.8249	918.8234	918.8251	9.944392	9.827283
11227	M327T10_	1.226985	0.295117	0.482119	0.642848	0.869052	UP	326.868	326.8614	326.8742	9.871017	9.715683
11228	M227T9_5	1.419971	0.505861	0.481801	0.642853	0.869053	UP	226.8438	226.8399	226.8448	9.34115	9.04725
11229	M217T10_	1.070436	-0.0982	-0.48665	0.642897	0.869058	DOWN	216.7777	216.7776	216.7778	9.929783	9.811217
11230	M434T27	1.117855	-0.16073	-0.4887	0.642907	0.869059	DOWN	434.3834	434.383	434.3837	27.34483	27.31883
11231	M580T10_	1.153594	-0.20614	-0.48229	0.642917	0.86906	DOWN	580.0948	580.0938	580.0951	9.946467	9.843367
11232	M615T34	1.085383	-0.1182	-0.48296	0.642931	0.869062	DOWN	615.4508	615.4502	615.451	33.60067	33.60017
11233	M1416T10	1.123415	0.167891	0.485774	0.643046	0.869074	UP	1415.531	1415.529	1415.534	9.950258	9.827283
11234	M373T10_	1.114283	-0.15612	-0.49176	0.643076	0.869077	DOWN	373.0639	373.0638	373.0642	9.983467	9.8914

11235	M850T36	1.14105	-0.19036	-0.48173	0.643093	0.869079	DOWN	849.598	849.5978	849.5987	35.57467	35.5585
11236	M490T10_	1.1138	0.15549	0.492621	0.643208	0.869092	UP	490.3433	490.3427	490.3434	9.62495	9.52595
11237	M415T20_	1.409573	0.495259	0.481172	0.643288	0.869101	UP	415.3301	415.324	415.3352	20.24483	20.2135
11238	M384T10_	1.180629	0.239555	0.487388	0.643316	0.869104	UP	384.3074	384.3073	384.3076	9.731817	9.6186
11239	M284T10_	1.115959	-0.15828	-0.48538	0.643324	0.869105	DOWN	283.8471	283.8469	283.8473	9.945258	9.827283
11240	M1707T10	1.13445	-0.18199	-0.48108	0.643546	0.869129	DOWN	1707.129	1707.127	1707.13	9.972833	9.8914
11241	M823T10_	1.216365	0.282576	0.482406	0.643643	0.86914	UP	822.7886	822.785	822.7894	9.885167	9.8445
11242	M591T10_	1.145182	0.195577	0.491519	0.643699	0.869146	UP	590.5435	590.543	590.5447	9.933967	9.8378
11243	M351T9_1	1.124573	0.169378	0.482984	0.643747	0.869152	UP	351.3163	351.3158	351.3169	9.312158	9.175017
11244	M657T9_1	1.21596	-0.2821	-0.48059	0.643787	0.869156	DOWN	656.8616	656.8607	656.8619	9.312075	9.234417
11245	M409T10_	1.051696	-0.07272	-0.48856	0.644025	0.869182	DOWN	408.7628	408.7623	408.763	9.917167	9.811217
11246	M334T10_	1.574943	-0.6553	-0.47984	0.644267	0.869209	DOWN	333.6414	333.6412	333.6417	9.960967	9.859233
11247	M281T11_	1.106109	0.145493	0.480876	0.644471	0.869231	UP	281.4679	281.4674	281.4681	10.90734	10.88995
11248	M496T10_	1.123936	-0.16856	-0.48329	0.644529	0.869238	DOWN	496.3797	496.3792	496.38	10.08177	9.995817
11249	M1683T11	1.133145	-0.18033	-0.49268	0.644529	0.869238	DOWN	1683.397	1683.395	1683.401	10.8926	10.86008
11250	M296T11_	1.108416	-0.1485	-0.48036	0.644571	0.869242	DOWN	296.2229	296.2226	296.2233	10.892	10.88747
11251	M667T9_1	1.230895	-0.29971	-0.47936	0.644688	0.869255	DOWN	666.7538	666.7531	666.756	9.40325	9.220933
11252	M215T10_	1.151275	0.203232	0.481718	0.644748	0.869262	UP	214.5314	214.5295	214.5317	9.856867	9.758367
11253	M222T30	1.046059	0.064965	0.478943	0.644825	0.86927	UP	222.1204	222.1203	222.1204	29.83392	29.83367
11254	M1416T10	1.320997	-0.40163	-0.47885	0.644889	0.869277	DOWN	1416.499	1416.499	1416.501	9.872917	9.844033
11255	M224T11_	1.134979	0.182665	0.48021	0.645062	0.869296	UP	224.4132	224.4129	224.4135	10.8926	10.85018
11256	M353T41	1.109665	-0.15012	-0.49415	0.645233	0.869315	DOWN	353.2321	353.232	353.2322	41.04292	40.64
11257	M842T11_	1.115245	-0.15736	-0.48543	0.645351	0.869328	DOWN	841.8865	841.8849	841.8872	10.90659	10.879
11258	M193T10_	1.243354	0.314237	0.490714	0.645426	0.869336	UP	193.2457	193.2456	193.253	9.8214	9.743667
11259	M246T15	1.42861	0.514612	0.485207	0.645455	0.86934	UP	246.2425	246.2423	246.2426	14.98539	14.95597
11260	M951T26	1.102058	-0.1402	-0.4795	0.645466	0.869341	DOWN	950.6624	950.6622	950.6633	26.31667	26.30333
11261	M640T10_	1.14859	-0.19986	-0.49351	0.645536	0.869348	DOWN	640.4047	640.3995	640.4085	9.844033	9.728083
11262	M371T11_	1.092934	0.128206	0.483631	0.645574	0.869353	UP	371.0628	371.0626	371.063	10.892	10.879
11263	M1569T10	1.108209	0.14823	0.482884	0.645743	0.869371	UP	1568.905	1568.904	1568.913	9.9081	9.806367
11264	M458T9_1	1.275531	-0.3511	-0.4933	0.645777	0.869375	DOWN	457.5722	457.5717	457.5738	9.206	9.046483
11265	M457T9_8	1.081275	0.112734	0.478267	0.645851	0.869383	UP	457.2332	457.2327	457.2336	9.264767	9.129317
11266	M226T9_8	1.135003	-0.1827	-0.49037	0.646003	0.8694	DOWN	226.3827	226.3779	226.3828	8.820225	8.682683
11267	M296T9_3	1.285062	-0.36184	-0.47768	0.646141	0.869415	DOWN	295.5997	295.5986	295.5999	9.348233	9.24215
11268	M474T11_	1.106204	-0.14562	-0.48098	0.646179	0.869419	DOWN	474.2802	474.2799	474.281	10.91079	10.87765
11269	M236T9_1	1.349657	-0.43259	-0.47751	0.646203	0.869422	DOWN	235.5596	235.5585	235.5605	9.199983	9.147367

11270	M491T9_2	1.115017	-0.15707	-0.4908	0.646421	0.869446	DOWN	491.2977	491.2976	491.2979	9.2585	9.146383
11271	M799T10_	1.311913	0.391672	0.492565	0.64643	0.869447	UP	799.1489	799.1478	799.1508	9.983433	9.8914
11272	M219T9_1	1.361205	-0.44488	-0.4774	0.646434	0.869447	DOWN	219.2017	219.1995	219.2023	9.2309	9.126783
11273	M520T42_	1.220876	0.287917	0.481264	0.646446	0.869448	UP	520.2748	520.2746	520.275	42.00667	41.76217
11274	M265T10_	1.092621	-0.12779	-0.48102	0.646533	0.869458	DOWN	264.9741	264.9739	264.9742	9.979342	9.8753
11275	M356T10_	1.050756	0.071428	0.479513	0.646561	0.869461	UP	355.7543	355.7539	355.7545	9.828367	9.715683
11276	M264T11_	1.084855	-0.1175	-0.47652	0.646581	0.869463	DOWN	264.3182	264.3181	264.3186	10.89875	10.8646
11277	M622T19	1.11486	0.156863	0.483508	0.646653	0.869471	UP	622.4892	622.4883	622.4906	18.62867	18.59733
11278	M782T10_	1.143419	0.193355	0.482393	0.646722	0.869479	UP	781.7771	781.7758	781.7782	9.933	9.843367
11279	M469T9_2	1.394525	0.479773	0.483589	0.646809	0.869488	UP	468.9881	468.9874	468.9886	8.937392	8.863633
11280	M477T11_	1.125556	-0.17064	-0.48586	0.646856	0.869493	DOWN	476.7643	476.7628	476.7647	10.92203	10.879
11281	M309T29	1.094004	-0.12962	-0.47961	0.646906	0.869499	DOWN	309.2058	309.2057	309.2059	29.18367	29.17
11282	M417T10_	1.089878	0.124167	0.482994	0.646939	0.869502	UP	416.7862	416.7856	416.7872	9.979342	9.8753
11283	M521T9_7	1.096644	0.133095	0.476444	0.646966	0.869505	UP	521.088	521.0873	521.0884	9.176533	9.12675
11284	M310T20_	1.123142	0.16754	0.488148	0.646978	0.869506	UP	310.1775	310.1774	310.1778	19.66383	19.6415
11285	M547T10_	1.116924	0.159531	0.476371	0.647052	0.869515	UP	547.083	547.0825	547.0834	9.945258	9.843367
11286	M490T11_	1.089553	0.123737	0.483861	0.647211	0.869532	UP	489.7454	489.745	489.7456	10.89875	10.879
11287	M358T10_	1.234671	0.304127	0.481209	0.647259	0.869537	UP	357.8097	357.8094	357.8144	9.970617	9.840617
11288	M335T9_1	1.233727	-0.30302	-0.48322	0.647281	0.86954	DOWN	335.4478	335.4461	335.4512	9.275017	9.12675
11289	M423T9_4	1.28616	0.36307	0.486187	0.647303	0.869542	UP	422.9285	422.926	422.9285	9.417317	9.014483
11290	M526T9_2	1.082914	-0.11492	-0.47595	0.647444	0.869557	DOWN	525.6173	525.6154	525.618	9.214392	9.129317
11291	M432T9_2	1.1594	-0.21338	-0.4755	0.647453	0.869558	DOWN	431.7902	431.79	431.7925	9.166858	9.146383
11292	M390T10_	1.245646	0.316894	0.477456	0.647471	0.86956	UP	389.9037	389.9029	389.9041	9.9244	9.811217
11293	M551T9_1	1.3716	0.45586	0.489043	0.647489	0.869562	UP	550.5369	550.5349	550.5394	9.278933	9.12675
11294	M407T11_	1.108819	-0.14902	-0.47708	0.64756	0.86957	DOWN	407.3277	407.3275	407.328	10.8926	10.85018
11295	M283T10_	1.130865	-0.17743	-0.47868	0.647561	0.86957	DOWN	283.307	283.3068	283.3072	9.972483	9.843367
11296	M273T10_	1.155403	0.208396	0.474913	0.647578	0.869572	UP	272.6618	272.6568	272.6619	9.967367	9.77355
11297	M288T20_	1.091383	-0.12616	-0.49038	0.64768	0.869583	DOWN	288.1956	288.1955	288.1959	19.66567	19.6415
11298	M273T29	1.103328	-0.14186	-0.47587	0.647703	0.869586	DOWN	273.2977	273.2976	273.298	29.28725	29.2785
11299	M159T10_	1.17569	0.233508	0.477525	0.647762	0.869592	UP	159.3996	159.3994	159.3997	9.9351	9.827283
11300	M311T10_	1.08807	-0.12177	-0.48025	0.64794	0.869611	DOWN	310.8322	310.819	310.8324	9.823575	9.7124
11301	M213T10_	1.045363	-0.064	-0.48607	0.648033	0.869622	DOWN	213.1778	213.1777	213.1779	9.871042	9.7634
11302	M324T10_	1.283434	-0.36001	-0.47783	0.648134	0.869633	DOWN	323.936	323.9359	323.9363	9.8348	9.715683
11303	M632T10_	1.134984	-0.18267	-0.47499	0.648146	0.869634	DOWN	632.123	632.1226	632.1241	9.95385	9.843367
11304	M520T39_	1.124101	0.168771	0.482939	0.648235	0.869644	UP	520.2749	520.2746	520.2752	39.2445	39.05717

11305	M420T44_	1.400223	0.485657	0.492303	0.648256	0.869646	UP	420.2227	420.2224	420.2227	44.19267	44.09217
11306	M408T10_	1.064711	-0.09046	-0.47723	0.648293	0.86965	DOWN	408.2959	408.2936	408.2962	9.929225	9.811217
11307	M496T9_2	1.110083	0.150668	0.475196	0.64851	0.869674	UP	495.6503	495.6487	495.651	9.160333	9.12675
11308	M331T10_	1.158179	-0.21186	-0.47603	0.648558	0.869679	DOWN	331.4268	331.4265	331.4272	9.830558	9.715683
11309	M288T24_	1.155974	-0.20911	-0.47352	0.648562	0.869679	DOWN	288.3684	288.3658	288.3717	24.07483	23.99617
11310	M488T41_	1.115211	-0.15732	-0.47615	0.648636	0.869687	DOWN	488.285	488.2847	488.2852	41.45967	41.30167
11311	M219T9_1	1.434937	0.520987	0.489916	0.64864	0.869688	UP	219.4467	219.4455	219.4476	9.295167	9.142767
11312	M708T12	1.23418	0.303553	0.482807	0.648713	0.869696	UP	708.3765	708.3759	708.3776	11.51165	11.49042
11313	M399T11_	1.060295	-0.08447	-0.47441	0.648724	0.869697	DOWN	399.3438	399.3437	399.3442	10.90519	10.879
11314	M660T29_	1.260422	-0.33391	-0.47563	0.648733	0.869698	DOWN	660.495	660.4946	660.4955	28.80542	28.783
11315	M402T31	1.173818	0.231208	0.476895	0.648761	0.869701	UP	401.5756	401.5753	401.5758	31.13308	31.105
11316	M342T14_	1.119189	-0.16245	-0.47561	0.648875	0.869713	DOWN	342.2682	342.2681	342.2683	14.13604	14.1213
11317	M326T10_	1.492316	0.577553	0.472929	0.648955	0.869722	UP	325.5753	325.5752	325.5761	9.853633	9.73145
11318	M421T9_2	1.161008	-0.21538	-0.47302	0.648998	0.869727	DOWN	421.1907	421.1904	421.1912	9.46	9.40135
11319	M482T10_	1.119397	-0.16272	-0.47588	0.649001	0.869727	DOWN	481.8807	481.8803	481.8809	9.979342	9.859233
11320	M284T20	1.15454	0.207318	0.480726	0.649019	0.869729	UP	284.3137	284.3134	284.3139	20.41967	20.39
11321	M285T17	1.145099	0.195473	0.477259	0.649025	0.86973	UP	285.2534	285.253	285.2536	16.87017	16.85517
11322	M711T10_	1.110551	-0.15128	-0.47416	0.649042	0.869731	DOWN	711.2821	711.2814	711.2827	9.956417	9.843367
11323	M431T11_	1.148399	-0.19962	-0.47724	0.649069	0.869734	DOWN	431.104	431.1035	431.1046	10.90765	10.88747
11324	M1824T10	1.14165	0.19112	0.474929	0.649268	0.869756	UP	1823.962	1823.956	1823.963	9.830833	9.715683
11325	M359T10_	1.151777	-0.20386	-0.47407	0.649309	0.86976	DOWN	359.1387	359.1385	359.146	9.957333	9.843367
11326	M227T9_8	1.224198	0.291836	0.472874	0.649311	0.869761	UP	227.1232	227.1223	227.1243	9.341617	9.132033
11327	M651T45	1.073527	0.102359	0.473662	0.649352	0.869765	UP	650.9226	650.9209	650.9233	44.83258	44.82533
11328	M231T10_	1.037295	0.052826	0.483861	0.649362	0.869766	UP	231.3818	231.3817	231.3818	9.85525	9.73145
11329	M260T9_6	1.14465	0.194906	0.472775	0.649458	0.869777	UP	260.0557	260.0545	260.056	9.310917	9.1322
11330	M466T10_	1.11313	0.154623	0.472731	0.649461	0.869777	UP	465.7436	465.7409	465.744	9.7583	9.56645
11331	M264T30	1.174871	0.232502	0.480373	0.649496	0.869781	UP	264.253	264.2528	264.2531	29.76133	29.74667
11332	M464T26_	1.225693	0.293598	0.475169	0.649629	0.869795	UP	464.3264	464.3254	464.327	26.29733	26.25817
11333	M310T16	1.132011	-0.17889	-0.47499	0.649757	0.869809	DOWN	309.7369	309.7368	309.7373	15.5556	15.48167
11334	M405T10_	1.090275	-0.12469	-0.47269	0.649821	0.869816	DOWN	404.5554	404.5552	404.5556	9.964092	9.859233
11335	M536T23	1.124665	-0.1695	-0.47289	0.649854	0.86982	DOWN	536.3711	536.3707	536.3713	22.64033	22.58433
11336	M236T9_3	1.207621	-0.27217	-0.47229	0.649953	0.86983	DOWN	235.6114	235.6093	235.6145	9.318992	9.132267
11337	M501T11_	1.102403	0.140652	0.471327	0.650007	0.869836	UP	501.1179	501.1159	501.1188	10.89193	10.877
11338	M252T9_4	1.314852	-0.3949	-0.48044	0.650097	0.869846	DOWN	251.9372	251.9316	251.9421	9.310917	9.06855
11339	M719T10_	1.14245	-0.19213	-0.47112	0.650187	0.869856	DOWN	719.027	719.0262	719.0277	9.8207	9.7124

11340	M351T9_3	1.238598	0.308709	0.475541	0.650203	0.869857	UP	350.6342	350.6331	350.6361	9.226608	9.06855
11341	M216T11_	1.135348	0.183135	0.47434	0.650302	0.869868	UP	215.7835	215.7831	215.784	10.91813	10.89125
11342	M340T10_	1.043716	-0.06173	-0.47751	0.650367	0.869875	DOWN	339.5673	339.5665	339.5675	9.830283	9.715683
11343	M404T10_	1.21959	0.286396	0.471918	0.65049	0.869888	UP	404.2943	404.2904	404.2969	10.10142	9.9009
11344	M536T10_	1.068692	-0.09585	-0.47422	0.650655	0.869906	DOWN	535.894	535.8937	535.8943	9.893742	9.79535
11345	M443T11_	1.218335	-0.28491	-0.47065	0.650727	0.869914	DOWN	443.2404	443.24	443.2411	11.3369	11.32643
11346	M858T10_	1.284416	0.361113	0.486236	0.650741	0.869916	UP	857.8498	857.849	857.8501	9.948825	9.8753
11347	M266T11_	1.355025	0.438319	0.470218	0.650752	0.869917	UP	266.1749	266.1748	266.1776	10.86253	10.85018
11348	M701T3	1.232596	-0.3017	-0.47427	0.650824	0.869925	DOWN	701.4928	701.4922	701.4928	3.392183	3.2799
11349	M1014T10	1.08438	-0.11687	-0.47146	0.650866	0.869929	DOWN	1014.161	1014.16	1014.164	9.985117	9.8753
11350	M302T10_	1.142551	0.192259	0.470025	0.650907	0.869934	UP	302.4646	302.4645	302.4648	9.903017	9.8378
11351	M378T38_	1.50869	0.593297	0.470134	0.651018	0.869946	UP	378.2482	378.248	378.2485	37.892	37.50317
11352	M622T43_	1.100153	0.137704	0.484258	0.651112	0.869956	UP	622.3433	622.3431	622.3434	43.40183	43.2725
11353	M450T9_3	1.269934	-0.34475	-0.46977	0.651161	0.869961	DOWN	449.6306	449.63	449.6307	9.142767	9.092333
11354	M270T10_	1.107388	-0.14716	-0.47396	0.651189	0.869964	DOWN	270.3603	270.3601	270.3604	9.8207	9.699733
11355	M641T10_	1.135588	0.18344	0.484015	0.651317	0.869978	UP	641.2805	641.2797	641.2836	9.839008	9.715683
11356	M254T10_	1.104922	-0.14394	-0.48327	0.651511	0.869999	DOWN	253.849	253.8489	253.8494	9.80415	9.6681
11357	M663T10_	1.143998	-0.19409	-0.47648	0.65169	0.870018	DOWN	662.6966	662.6951	662.6975	9.949233	9.843367
11358	M967T23	1.113573	-0.1552	-0.47083	0.651692	0.870018	DOWN	966.6575	966.6571	966.6581	22.50975	22.46783
11359	M808T10_	1.205127	0.269185	0.483537	0.651737	0.870023	UP	807.5927	807.5923	807.5932	9.942317	9.827283
11360	M380T9_6	1.118388	-0.16142	-0.46878	0.651746	0.870024	DOWN	380.3325	380.3319	380.3345	9.320875	9.064833
11361	M291T13	1.209111	-0.27395	-0.47047	0.651751	0.870025	DOWN	291.2163	291.2161	291.2166	13.34619	13.27312
11362	M223T24	1.032878	0.04667	0.468779	0.651819	0.870032	UP	223.169	223.169	223.1692	23.98192	23.96583
11363	M500T15	1.164635	-0.21988	-0.46871	0.651851	0.870035	DOWN	500.3787	500.3784	500.379	15.4096	15.26215
11364	M1013T15	1.241444	-0.31202	-0.4782	0.651895	0.87004	DOWN	1013.442	1013.442	1013.444	14.79503	14.73692
11365	M214T9_8	1.205104	-0.26916	-0.46923	0.651916	0.870042	DOWN	213.7858	213.7843	213.7871	9.37735	9.132267
11366	M1087T10	1.23844	-0.30852	-0.46851	0.651924	0.870043	DOWN	1086.681	1086.68	1086.681	9.955825	9.90755
11367	M324T9_1	1.479472	0.565082	0.478846	0.651953	0.870046	UP	324.4289	324.4287	324.4294	9.400042	9.38595
11368	M920T11_	1.111203	-0.15212	-0.47016	0.651963	0.870048	DOWN	920.4615	920.4588	920.4622	10.94326	10.89355
11369	M454T44	1.100973	-0.13878	-0.48601	0.652056	0.870058	DOWN	454.2642	454.2641	454.2643	43.89808	43.747
11370	M1651T10	1.140128	-0.1892	-0.46868	0.65206	0.870058	DOWN	1650.613	1650.606	1650.617	9.9014	9.843367
11371	M348T26_	1.339326	0.421508	0.468292	0.652165	0.870069	UP	348.245	348.2447	348.2454	26.33117	26.2905
11372	M654T10_	1.097547	-0.13428	-0.47125	0.65222	0.870075	DOWN	653.7945	653.7937	653.7951	9.830833	9.715683
11373	M354T9_1	1.139352	-0.18821	-0.4682	0.65226	0.87008	DOWN	353.5221	353.5215	353.5224	8.8858	8.802417
11374	M381T9_1	1.16554	-0.221	-0.47203	0.65242	0.870097	DOWN	381.3788	381.3745	381.3812	9.160933	9.1175

11375	M320T41_	1.233866	0.303185	0.4682	0.65251	0.870106	UP	320.1702	320.1701	320.1703	40.525	40.25167
11376	M381T9_1	1.26933	-0.34407	-0.46793	0.652525	0.870108	DOWN	381.4125	381.4119	381.4127	9.075083	9.031633
11377	M347T9_1	1.127127	-0.17265	-0.46814	0.652726	0.87013	DOWN	346.5728	346.5725	346.5824	9.29345	9.087183
11378	M683T10_	1.12089	0.164644	0.467126	0.652869	0.870145	UP	682.8055	682.8048	682.8065	9.9722	9.8753
11379	M443T11_	1.079292	-0.11008	-0.46714	0.652938	0.870153	DOWN	443.1008	443.1006	443.1013	10.892	10.879
11380	M587T9_2	1.162996	-0.21785	-0.47024	0.652958	0.870155	DOWN	587.0771	587.0731	587.0792	9.183308	9.12675
11381	M213T10_	1.468231	0.554079	0.482049	0.653113	0.870171	UP	212.5009	212.498	212.5012	9.937158	9.840617
11382	M261T10_	1.134026	-0.18145	-0.46733	0.653167	0.870177	DOWN	261.3323	261.332	261.3323	9.95385	9.843367
11383	M373T9_3	1.071916	-0.10019	-0.46904	0.653177	0.870178	DOWN	372.7357	372.7355	372.736	9.46855	9.416817
11384	M383T10_	1.098512	-0.13555	-0.46733	0.653245	0.870186	DOWN	383.3461	383.3459	383.3464	10.39752	10.36125
11385	M786T10_	1.108503	0.148612	0.470213	0.653248	0.870186	UP	785.5616	785.5613	785.5626	9.999217	9.8753
11386	M352T10_	1.040544	-0.05734	-0.46897	0.653255	0.870187	DOWN	352.3688	352.3686	352.369	9.8207	9.699733
11387	M650T11_	1.157095	0.210507	0.474652	0.653328	0.870194	UP	649.7551	649.7546	649.7564	10.90785	10.82972
11388	M332T10_	1.205966	0.270189	0.466442	0.653365	0.870198	UP	331.5079	331.5077	331.5171	9.967367	9.859233
11389	M181T10_	1.29947	0.377923	0.47352	0.653429	0.870205	UP	180.5271	180.527	180.5272	9.960967	9.843367
11390	M254T11_	1.105424	-0.1446	-0.46669	0.653473	0.87021	DOWN	253.883	253.8829	253.8838	10.89875	10.8646
11391	M259T11_	1.671532	0.741171	0.466055	0.653649	0.870229	UP	259.241	259.2405	259.2422	10.91977	10.88747
11392	M475T9_1	1.151348	0.203324	0.475701	0.653707	0.870235	UP	474.5563	474.5557	474.5566	9.330283	9.250817
11393	M230T10_	1.102559	0.140856	0.474769	0.653708	0.870235	UP	230.157	230.1568	230.1572	9.940783	9.827283
11394	M258T10_	1.247206	0.3187	0.475441	0.653811	0.870246	UP	257.8551	257.8547	257.8555	9.752425	9.62055
11395	M668T9_2	1.215059	0.281026	0.466359	0.653817	0.870247	UP	668.4523	668.452	668.4527	8.719033	8.6529
11396	M398T42_	1.072152	-0.10051	-0.47975	0.653853	0.870251	DOWN	398.2383	398.238	398.2384	41.719	41.33033
11397	M308T10_	1.13921	-0.18803	-0.48199	0.653903	0.870256	DOWN	308.3686	308.3683	308.3687	9.914217	9.822117
11398	M330T10_	1.162674	-0.21745	-0.47458	0.65393	0.870259	DOWN	330.2552	330.2531	330.2561	9.886933	9.75365
11399	M376T10_	1.125894	0.171071	0.465612	0.653936	0.87026	UP	375.6417	375.6416	375.642	9.968642	9.869467
11400	M1154T11	1.048654	-0.06854	-0.46583	0.653943	0.87026	DOWN	1153.832	1153.831	1153.833	10.5188	10.47197
11401	M1497T10	1.217523	-0.28395	-0.46749	0.653961	0.870262	DOWN	1496.845	1496.843	1496.846	9.967367	9.869467
11402	M480T21	1.127549	-0.17319	-0.47714	0.653973	0.870264	DOWN	480.4063	480.406	480.4076	20.8355	20.81117
11403	M703T11_	1.071144	-0.09915	-0.46548	0.654019	0.870269	DOWN	703.4693	703.4691	703.4708	10.892	10.879
11404	M532T10_	1.11353	-0.15514	-0.4653	0.65412	0.870279	DOWN	532.1087	532.1083	532.1089	9.965892	9.8914
11405	M583T10_	1.078902	-0.10956	-0.46941	0.654202	0.870288	DOWN	583.3293	583.3291	583.3295	9.591542	9.49445
11406	M293T7	1.23131	-0.30019	-0.46644	0.654248	0.870293	DOWN	293.1903	293.1903	293.1904	6.99785	6.982017
11407	M150T10_	1.21601	0.282155	0.481167	0.654472	0.870317	UP	150.1902	150.19	150.1947	9.825692	9.743667
11408	M413T9_7	1.090408	0.124868	0.465717	0.654527	0.870323	UP	412.9056	412.9052	412.9079	9.245983	9.129317
11409	M924T10_	1.158638	0.21243	0.471193	0.654712	0.870343	UP	923.6907	923.6901	923.6913	9.629008	9.510117

11410	M676T10_	1.092166	-0.12719	-0.46592	0.654717	0.870343	DOWN	675.6999	675.6997	675.7002	9.82645	9.699733
11411	M457T9_4	1.067839	-0.09469	-0.46423	0.654853	0.870358	DOWN	457.0792	457.0784	457.0803	9.277017	9.078567
11412	M639T10_	1.12614	-0.17139	-0.46451	0.654888	0.870362	DOWN	638.9112	638.9111	638.9129	9.840617	9.7634
11413	M212T9_4	1.371487	0.455741	0.464729	0.65492	0.870365	UP	211.898	211.897	211.8987	9.295167	9.111033
11414	M434T9_7	1.081082	-0.11248	-0.46411	0.654936	0.870367	DOWN	433.7862	433.7816	433.7874	9.250817	8.892117
11415	M793T10_	1.146531	-0.19728	-0.46471	0.654997	0.870373	DOWN	793.1883	793.1873	793.191	9.952017	9.843367
11416	M716T10_	1.097263	0.13391	0.473708	0.655142	0.870389	UP	716.3816	716.3755	716.3817	9.8207	9.577683
11417	M224T11_	1.190027	0.250994	0.469811	0.655148	0.870389	UP	224.3265	224.3264	224.3271	10.91878	10.87487
11418	M843T10_	1.208981	0.273791	0.474688	0.655319	0.870408	UP	843.1917	843.1887	843.1929	9.924775	9.843367
11419	M167T10_	1.112306	0.153553	0.46395	0.655336	0.870409	UP	166.8481	166.848	166.8481	9.946467	9.827283
11420	M441T10_	1.091394	-0.12617	-0.4719	0.655398	0.870416	DOWN	441.3456	441.3449	441.346	9.8161	9.699733
11421	M848T10_	1.068664	-0.09581	-0.46557	0.655568	0.870434	DOWN	847.553	847.5523	847.5565	10.04355	9.929783
11422	M487T10_	1.25792	0.33104	0.475088	0.655618	0.87044	UP	487.4238	487.4232	487.4341	9.950733	9.55155
11423	M367T22_	1.096559	-0.13298	-0.46997	0.655799	0.870459	DOWN	367.2377	367.2376	367.238	21.638	21.6215
11424	M426T11_	1.076519	-0.10637	-0.46398	0.655821	0.870461	DOWN	426.3678	426.3676	426.368	10.89953	10.879
11425	M890T10_	1.058234	-0.08166	-0.46408	0.655827	0.870462	DOWN	889.8694	889.8683	889.8699	9.930908	9.827283
11426	M683T14	1.104155	-0.14294	-0.46303	0.655883	0.870468	DOWN	682.5262	682.526	682.5268	14.13633	14.1213
11427	M249T11_	1.185979	0.246078	0.463637	0.655911	0.870471	UP	248.5385	248.5382	248.5389	10.94208	10.89125
11428	M166T9_6	1.286111	-0.36301	-0.47392	0.655916	0.870471	DOWN	166.1006	166.1003	166.1012	9.175783	9.111033
11429	M398T11_	1.063659	-0.08904	-0.46771	0.65595	0.870475	DOWN	398.4306	398.4284	398.4309	10.91371	10.879
11430	M251T10_	1.193922	-0.25571	-0.46348	0.655952	0.870475	DOWN	250.613	250.6129	250.6132	9.942317	9.843367
11431	M524T41_	1.183589	0.243169	0.462567	0.656001	0.87048	UP	524.3061	524.306	524.3063	41.46692	41.07167
11432	M498T9_4	1.092142	0.12716	0.471283	0.656002	0.87048	UP	497.7889	497.7878	497.7893	9.20785	9.12675
11433	M947T10_	1.111632	-0.15268	-0.46774	0.656146	0.870496	DOWN	946.7413	946.7405	946.7438	9.977442	9.8753
11434	M1765T10	1.103266	0.14178	0.465028	0.65616	0.870497	UP	1764.508	1764.505	1764.514	9.82645	9.715683
11435	M1930T10	1.122129	0.166238	0.472393	0.656207	0.870502	UP	1930.493	1930.49	1930.494	9.81635	9.715683
11436	M278T9_1	1.206171	-0.27043	-0.4633	0.656304	0.870513	DOWN	277.6814	277.6813	277.6818	8.8398	8.7891
11437	M520T37_	1.047821	0.067392	0.477797	0.656346	0.870517	UP	520.275	520.2749	520.2751	36.97117	36.94833
11438	M266T11_	1.143314	-0.19322	-0.46246	0.656361	0.870519	DOWN	265.524	265.5224	265.5242	10.92816	10.84847
11439	M327T10_	1.097585	-0.13433	-0.4651	0.656458	0.870529	DOWN	327.3255	327.3251	327.3261	9.972917	9.859233
11440	M841T10_	1.106781	-0.14637	-0.46338	0.656496	0.870533	DOWN	840.9616	840.9614	840.9623	9.931108	9.827283
11441	M619T18	1.05673	-0.07961	-0.46247	0.656521	0.870536	DOWN	619.4789	619.4787	619.479	18.011	17.99367
11442	M491T10_	1.141186	0.190534	0.474594	0.656619	0.870546	UP	491.2308	491.2299	491.2313	9.7953	9.746783
11443	M398T10_	1.046668	-0.0658	-0.4617	0.65665	0.87055	DOWN	398.1183	398.118	398.1184	9.917167	9.811217
11444	M353T43_	1.072202	-0.10058	-0.46172	0.656745	0.87056	DOWN	353.2321	353.232	353.2322	43.08525	42.884

11445	M331T11_	1.119437	0.162773	0.462379	0.65688	0.870574	UP	331.4769	331.4765	331.4772	10.87765	10.8214
11446	M399T40	1.069819	-0.09737	-0.46707	0.656898	0.870576	DOWN	399.2373	399.2373	399.2375	40.24433	40.10767
11447	M389T11_	1.103332	-0.14187	-0.46134	0.656903	0.870576	DOWN	389.124	389.1239	389.1242	10.93468	10.90785
11448	M1169T10	1.122492	-0.16671	-0.4755	0.656938	0.87058	DOWN	1169.109	1169.108	1169.11	9.967367	9.859233
11449	M372T23_	1.140947	-0.19023	-0.46119	0.656947	0.870581	DOWN	372.2663	372.266	372.2665	22.69142	22.66867
11450	M654T28	1.218742	-0.28539	-0.46123	0.65697	0.870584	DOWN	653.9713	653.9701	653.9725	28.44517	28.33267
11451	M532T40_	1.040055	-0.05666	-0.47392	0.657003	0.870587	DOWN	532.3113	532.3112	532.3119	40.266	40.20833
11452	M412T32_	1.104771	-0.14375	-0.46302	0.657018	0.870589	DOWN	412.3781	412.378	412.3783	31.56742	31.56567
11453	M724T34	1.321291	0.401949	0.471972	0.657107	0.870598	UP	723.5087	723.5083	723.5092	34.31342	34.29217
11454	M369T11_	1.069672	0.097168	0.462163	0.657293	0.870618	UP	368.5167	368.5165	368.5171	10.8914	10.87487
11455	M206T9_8	1.342225	0.424626	0.460929	0.657397	0.870629	UP	205.775	205.774	205.7754	9.1691	9.126783
11456	M252T11_	1.147078	-0.19796	-0.46959	0.657435	0.870633	DOWN	251.7086	251.7085	251.7093	10.91977	10.89125
11457	M260T9_3	1.184622	-0.24443	-0.46161	0.657502	0.87064	DOWN	259.681	259.6797	259.6813	9.280767	9.207667
11458	M221T10_	1.119763	-0.16319	-0.46808	0.657521	0.870642	DOWN	221.4159	221.4158	221.4163	9.91765	9.811217
11459	M295T25_	1.089674	0.123897	0.462152	0.657603	0.870651	UP	295.1901	295.1899	295.1903	25.15933	25.14117
11460	M302T9_3	1.754201	0.810814	0.467658	0.657661	0.870657	UP	302.2142	302.2134	302.2146	8.64725	8.53335
11461	M236T11_	1.064564	-0.09026	-0.46013	0.657855	0.870677	DOWN	236.2101	236.21	236.2103	10.90551	10.879
11462	M885T21	1.122554	-0.16678	-0.465	0.658079	0.870701	DOWN	884.5922	884.5917	884.5926	21.34883	21.32817
11463	M296T9_4	1.158495	-0.21225	-0.46136	0.658129	0.870706	DOWN	295.8639	295.8638	295.8645	8.939	8.863633
11464	M455T11_	1.11401	0.155763	0.465549	0.658155	0.870709	UP	455.1991	455.1987	455.1992	10.8914	10.879
11465	M734T36	1.283516	-0.3601	-0.46093	0.658164	0.87071	DOWN	733.5504	733.55	733.5519	35.65325	35.63333
11466	M446T10_	1.129972	-0.17629	-0.46201	0.658297	0.870724	DOWN	445.9229	445.9224	445.9236	9.94785	9.843367
11467	M361T10_	1.048884	-0.06886	-0.46037	0.658331	0.870728	DOWN	361.1771	361.1769	361.1778	9.924308	9.811217
11468	M616T9	1.170627	-0.22728	-0.46244	0.658367	0.870732	DOWN	616.4474	616.437	616.448	9.312167	9.1503
11469	M630T11_	1.076355	-0.10615	-0.46028	0.658424	0.870738	DOWN	629.729	629.7289	629.73	10.892	10.879
11470	M352T27_	1.191703	-0.25303	-0.45973	0.658453	0.870741	DOWN	352	351.9997	352.0002	26.839	26.81267
11471	M340T10_	1.465101	0.551	0.459432	0.658462	0.870742	UP	339.7127	339.7122	339.7128	9.816183	9.728083
11472	M231T10_	1.106881	0.1465	0.466961	0.658565	0.870753	UP	230.6246	230.6244	230.6249	9.939283	9.827283
11473	M715T10_	1.07265	-0.10118	-0.46088	0.6586	0.870756	DOWN	715.4727	715.4721	715.4728	9.54805	9.447617
11474	M736T10_	1.161898	-0.21648	-0.4589	0.658622	0.870759	DOWN	735.9642	735.9635	735.9647	9.956417	9.843367
11475	M184T9_1	1.250798	0.322848	0.465226	0.658635	0.87076	UP	183.6154	183.6142	183.6155	9.239867	9.190317
11476	M1503T10	1.154912	-0.20778	-0.4612	0.658643	0.870761	DOWN	1502.946	1502.945	1502.948	9.8796	9.79535
11477	M485T11_	1.084125	-0.11653	-0.45884	0.658699	0.870767	DOWN	485.4601	485.46	485.4611	10.89907	10.879
11478	M378T29	1.1231	0.167487	0.475606	0.658704	0.870767	UP	378.2121	378.212	378.2122	28.79	28.70833
11479	M326T10_	1.054098	-0.07601	-0.46341	0.65884	0.870782	DOWN	325.5596	325.5592	325.5606	9.831142	9.715683



11480	M334T10_	1.067375	0.094067	0.472366	0.658879	0.870786	UP	334.0947	334.0946	334.0955	9.864467	9.747533
11481	M174T10_	1.092485	-0.12761	-0.46448	0.65893	0.870791	DOWN	173.5448	173.5448	173.5449	9.8348	9.715683
11482	M396T10_	1.209399	-0.27429	-0.45937	0.658983	0.870797	DOWN	396.446	396.4459	396.4461	9.960417	9.946367
11483	M478T41_	1.167861	-0.22387	-0.4594	0.658994	0.870798	DOWN	478.2643	478.2641	478.2647	41.22258	40.942
11484	M1442T10	1.149195	-0.20062	-0.46093	0.659001	0.870799	DOWN	1441.986	1441.983	1441.988	9.946467	9.859233
11485	M434T10_	1.176182	0.234111	0.458312	0.659084	0.870808	UP	434.2307	434.2303	434.2311	9.964092	9.859233
11486	M526T10_	1.108312	-0.14836	-0.46437	0.659204	0.87082	DOWN	526.38	526.3795	526.3804	10.46805	10.42407
11487	M536T45	1.1332	0.180402	0.461036	0.6593	0.87083	UP	536.3061	536.3059	536.3063	44.8685	44.62383
11488	M399T10_	1.10257	0.14087	0.464411	0.659328	0.870833	UP	399.4017	399.4012	399.4024	9.931875	9.827283
11489	M747T33	1.092785	-0.12801	-0.45891	0.659332	0.870834	DOWN	746.5262	746.5258	746.5267	33.41258	33.39817
11490	M255T44_	1.161483	0.215968	0.461493	0.659337	0.870834	UP	255.195	255.195	255.1951	43.84058	43.74733
11491	M432T11_	1.099967	0.137461	0.460408	0.659813	0.870884	UP	432.3077	432.3065	432.3089	10.94373	10.879
11492	M299T10_	1.349029	-0.43192	-0.45935	0.659838	0.870887	DOWN	298.822	298.8218	298.8222	9.894317	9.827283
11493	M248T11_	1.142428	0.192103	0.457457	0.659866	0.87089	UP	247.6034	247.5939	247.6036	10.90553	10.879
11494	M358T22_	1.166455	-0.22213	-0.45799	0.659873	0.870891	DOWN	357.7534	357.7531	357.7538	21.578	21.54367
11495	M909T10_	1.133314	-0.18055	-0.46194	0.659994	0.870903	DOWN	908.6907	908.6897	908.6913	10.15308	10.08517
11496	M334T10_	1.136606	0.184733	0.460107	0.660036	0.870908	UP	333.7183	333.7182	333.7185	9.958617	9.843367
11497	M478T44_	1.046849	-0.06605	-0.46871	0.660253	0.870931	DOWN	478.2643	478.264	478.2645	43.8045	43.71817
11498	M726T10_	1.386323	0.471263	0.457121	0.660333	0.870939	UP	725.7123	725.7119	725.7136	9.8348	9.7124
11499	M454T9_2	1.194869	0.256852	0.45651	0.660335	0.870939	UP	454.4589	454.4538	454.4646	9.29565	9.191283
11500	M506T10_	1.085209	-0.11797	-0.45798	0.660336	0.87094	DOWN	505.6398	505.6395	505.6407	10.37437	10.35992
11501	M540T9_2	1.0832	-0.1153	-0.46103	0.660343	0.87094	DOWN	540.3059	540.3058	540.3061	9.480467	9.38595
11502	M503T10_	1.142655	0.192389	0.457321	0.660509	0.870958	UP	503.3205	503.3141	503.321	10.09699	10.01333
11503	M250T29	1.122493	-0.16671	-0.45636	0.660623	0.87097	DOWN	250.1879	250.1878	250.1879	28.992	28.95117
11504	M619T9	1.186158	-0.2463	-0.45784	0.660641	0.870972	DOWN	619.2706	619.2704	619.2707	9.332617	9.275917
11505	M274T9_2	1.203512	-0.26725	-0.45822	0.660694	0.870977	DOWN	273.636	273.6359	273.6361	9.371417	9.29015
11506	M615T45_	1.051162	0.071986	0.455717	0.660717	0.87098	UP	615.4408	615.44	615.4419	44.9835	44.98333
11507	M632T10_	1.160283	-0.21448	-0.46479	0.660721	0.87098	DOWN	631.778	631.7777	631.7783	9.900133	9.874067
11508	M757T10_	1.12537	0.1704	0.457136	0.660721	0.87098	UP	757.0005	756.9992	757.0012	9.948875	9.843367
11509	M406T10_	1.136094	0.184082	0.467917	0.660764	0.870985	UP	406.398	406.3976	406.3981	9.948875	9.843367
11510	M253T10_	1.176605	-0.23463	-0.46678	0.660781	0.870986	DOWN	252.9743	252.9663	252.9744	9.8161	9.747533
11511	M337T11_	1.152889	-0.20525	-0.45572	0.660817	0.87099	DOWN	337.3534	337.3532	337.3541	10.8914	10.873
11512	M681T23	1.097422	-0.13412	-0.45933	0.660875	0.870996	DOWN	681.4322	681.4315	681.4332	23.07417	23.0305
11513	M415T9_4	1.186365	0.246548	0.464076	0.661021	0.871012	UP	414.9015	414.901	414.9019	9.382183	9.145433
11514	M183T9_7	1.2021	0.265557	0.455291	0.661062	0.871016	UP	183.0628	183.06	183.063	8.94575	8.88765

11515	M367T10_	1.499974	0.584938	0.468202	0.661199	0.87103	UP	367.3655	367.3644	367.3712	9.859983	9.699733
11516	M459T10_	1.084102	-0.1165	-0.45627	0.661247	0.871035	DOWN	459.0859	459.0853	459.086	9.914217	9.811217
11517	M219T10_	1.193037	0.254638	0.455308	0.661353	0.871046	UP	219.2146	219.2144	219.2147	10.42127	10.32768
11518	M338T10_	1.072605	-0.10112	-0.46715	0.661407	0.871052	DOWN	337.6654	337.6646	337.6657	9.744917	9.62055
11519	M328T9_4	1.178041	0.23639	0.468815	0.661411	0.871053	UP	328.2868	328.2867	328.287	9.29345	9.24215
11520	M396T43_	1.116948	0.159562	0.454702	0.661437	0.871055	UP	396.2225	396.2223	396.2227	42.72592	42.46717
11521	M454T9_2	1.228594	0.297008	0.457917	0.661497	0.871062	UP	453.5441	453.5415	453.5512	9.261817	9.221317
11522	M409T11_	1.131367	-0.17807	-0.46264	0.661549	0.871067	DOWN	409.2308	409.2307	409.2407	11.23148	11.135
11523	M394T9_1	1.310513	0.390132	0.454637	0.66159	0.871071	UP	394.3076	394.3062	394.3132	9.295167	9.0839
11524	M225T10_	1.256038	-0.32888	-0.45436	0.661648	0.871077	DOWN	224.7604	224.7494	224.762	9.8399	9.715683
11525	M484T11_	1.120958	-0.16473	-0.46363	0.661653	0.871078	DOWN	484.1302	484.1297	484.1304	10.90548	10.879
11526	M201T10_	1.118718	-0.16185	-0.45524	0.661916	0.871106	DOWN	201.2451	201.2448	201.2452	9.968992	9.859233
11527	M184T10_	1.217489	-0.28391	-0.45568	0.662007	0.871115	DOWN	183.5024	183.5024	183.5024	9.902408	9.827283
11528	M537T12	1.103499	-0.14209	-0.45737	0.662117	0.871127	DOWN	537.4008	537.4005	537.4009	11.71528	11.70755
11529	M351T10_	1.031949	-0.04537	-0.4675	0.662155	0.871131	DOWN	351.379	351.3788	351.379	9.82645	9.728083
11530	M466T18	1.127476	-0.1731	-0.46507	0.662156	0.871131	DOWN	466.3058	466.3057	466.306	18.1265	18.09917
11531	M718T3	1.160312	0.214512	0.45353	0.662284	0.871144	UP	718.4914	718.4908	718.4915	3.4632	3.329983
11532	M369T10_	1.11568	0.157923	0.457369	0.662305	0.871146	UP	368.6569	368.6565	368.658	9.951283	9.843367
11533	M720T10_	1.112416	-0.1537	-0.4552	0.662399	0.871156	DOWN	719.8422	719.8415	719.8431	9.508883	9.416817
11534	M289T11_	1.139148	0.187955	0.453716	0.662495	0.871166	UP	289.1355	289.1353	289.1357	10.82972	10.8214
11535	M249T11_	1.097312	0.133974	0.465139	0.662582	0.871175	UP	249.0274	249.0273	249.0277	10.91376	10.879
11536	M535T27_	1.211798	-0.27715	-0.45535	0.662613	0.871179	DOWN	534.7235	534.7232	534.7236	26.78933	26.73833
11537	M590T9_2	1.24146	0.312037	0.454504	0.662675	0.871185	UP	590.2656	590.2632	590.2682	9.332617	9.275917
11538	M510T10_	1.128542	-0.17446	-0.46377	0.66268	0.871186	DOWN	510.1204	510.12	510.1206	9.886258	9.7634
11539	M258T11_	1.227782	-0.29605	-0.45304	0.662756	0.871194	DOWN	258.2459	258.2457	258.2459	10.93618	10.83572
11540	M403T41	1.043398	-0.06129	-0.45463	0.662982	0.871217	DOWN	403.2323	403.2322	403.2326	40.568	40.26583
11541	M182T9_3	1.187835	0.248335	0.45629	0.663029	0.871222	UP	181.8946	181.8943	181.8946	9.40325	9.26575
11542	M335T9_1	1.067244	-0.09389	-0.45279	0.663089	0.871228	DOWN	335.2439	335.2436	335.2441	9.310917	9.16125
11543	M508T44_	1.174117	0.231577	0.46036	0.663155	0.871235	UP	508.3111	508.3107	508.3115	43.81183	43.56017
11544	M220T10_	1.164299	-0.21946	-0.45174	0.663466	0.871268	DOWN	219.9936	219.9924	219.9943	9.830283	9.801833
11545	M231T10_	1.045894	-0.06474	-0.45269	0.663471	0.871268	DOWN	230.8855	230.8854	230.8855	9.917167	9.811217
11546	M673T10_	1.144686	0.194952	0.453698	0.663477	0.871269	UP	673.4717	673.4711	673.4731	10.31255	10.26617
11547	M422T10_	1.22378	0.291345	0.4573	0.66348	0.871269	UP	421.9505	421.95	421.9508	9.975217	9.859233
11548	M667T45	1.011921	-0.0171	-0.4517	0.663507	0.871272	DOWN	667.4788	667.4785	667.4792	44.696	44.68167
11549	M416T39_	1.106091	0.14547	0.467289	0.663567	0.871278	UP	416.2641	416.2639	416.2641	38.971	38.856

11550	M680T21	1.075552	-0.10508	-0.45363	0.663618	0.871284	DOWN	679.5112	679.5111	679.5118	20.64883	20.62683
11551	M264T9_7	1.226648	0.294722	0.456534	0.663644	0.871286	UP	264.4362	264.4358	264.4369	8.745983	8.643767
11552	M304T11_	1.117598	-0.1604	-0.45359	0.66369	0.871291	DOWN	303.5689	303.5687	303.569	10.85923	10.85018
11553	M722T10_	1.154338	-0.20707	-0.45231	0.66372	0.871294	DOWN	721.9283	721.9277	721.9288	9.842	9.747533
11554	M469T9_5	1.273937	0.349294	0.465623	0.663851	0.871308	UP	469.1456	469.1452	469.1461	9.204617	9.142767
11555	M325T11_	1.098511	-0.13555	-0.45185	0.663897	0.871313	DOWN	325.0791	325.0787	325.0795	10.91183	10.8646
11556	M328T10_	1.084829	-0.11747	-0.4556	0.664017	0.871325	DOWN	328.1051	328.1048	328.1059	9.985117	9.8753
11557	M416T20	1.042177	-0.0596	-0.45247	0.664211	0.871345	DOWN	416.2958	416.2957	416.2961	20.24492	20.23017
11558	M1230T45	1.077969	0.108315	0.452941	0.664225	0.871347	UP	1229.876	1229.875	1229.877	44.98342	44.94033
11559	M615T10_	1.16419	0.219327	0.464141	0.664274	0.871352	UP	615.1691	615.1689	615.1697	9.8207	9.699733
11560	M643T9_2	1.137055	-0.1853	-0.45343	0.664321	0.871357	DOWN	643.0815	643.0788	643.083	9.174992	9.142767
11561	M366T11_	1.075958	-0.10562	-0.45445	0.66433	0.871358	DOWN	365.6023	365.5988	365.6031	10.95602	10.89355
11562	M405T11_	1.081371	0.112862	0.453147	0.664398	0.871365	UP	405.0835	405.0829	405.0837	10.91813	10.88747
11563	M1726T10	1.155629	0.208678	0.460125	0.664407	0.871366	UP	1725.729	1725.728	1725.736	9.816183	9.699733
11564	M328T11_	1.166475	0.222155	0.457236	0.664443	0.871369	UP	327.7922	327.7914	327.794	10.90765	10.879
11565	M474T10_	1.233609	0.302885	0.450937	0.664461	0.871371	UP	473.7518	473.7517	473.7521	9.970617	9.8753
11566	M268T9_6	1.190425	-0.25148	-0.45225	0.664481	0.871373	DOWN	268.3859	268.3857	268.3862	8.73905	8.672483
11567	M492T9_3	1.14986	-0.20146	-0.45599	0.664506	0.871376	DOWN	492.233	492.2321	492.2341	9.2628	9.12675
11568	M898T9	1.201813	-0.26521	-0.45338	0.664644	0.87139	DOWN	897.6673	897.6669	897.6705	9.37135	9.288883
11569	M379T12	1.292438	0.370095	0.464529	0.66468	0.871394	UP	378.7468	378.7466	378.747	12.0041	11.98813
11570	M578T44_	1.151139	0.203062	0.463316	0.664736	0.8714	UP	578.317	578.3167	578.3172	44.25017	44.1065
11571	M351T9_1	1.167278	-0.22315	-0.4508	0.664972	0.871425	DOWN	351.3608	351.3604	351.3635	9.280767	9.146383
11572	M249T10_	1.147249	-0.19818	-0.45132	0.665091	0.871437	DOWN	249.3531	249.3528	249.3533	9.948875	9.843367
11573	M729T10_	1.11812	-0.16108	-0.45083	0.665105	0.871438	DOWN	728.5305	728.5299	728.5313	9.8207	9.699733
11574	M460T10_	1.167644	-0.2236	-0.45086	0.665134	0.871441	DOWN	460.2002	460.1988	460.2013	9.952825	9.869467
11575	M794T11_	1.151305	0.20327	0.451796	0.66514	0.871442	UP	794.1015	794.101	794.1017	11.22153	11.19512
11576	M603T11	1.060827	-0.08519	-0.44935	0.665189	0.871447	DOWN	603.3732	603.3729	603.3736	11.10648	11.07725
11577	M854T11	1.060588	0.084864	0.449708	0.665233	0.871452	UP	854.3611	854.3607	854.3617	10.89875	10.879
11578	M920T10	1.095272	0.131289	0.457551	0.665313	0.87146	UP	919.5446	919.5439	919.5455	9.934533	9.827283
11579	M266T11_	1.07007	-0.09771	-0.44905	0.665387	0.871468	DOWN	266.0834	266.0834	266.0836	10.892	10.8646
11580	M207T10_	1.128314	-0.17417	-0.45052	0.665392	0.871468	DOWN	206.6181	206.618	206.626	9.8207	9.715683
11581	M640T10_	1.120211	0.16377	0.454329	0.665454	0.871475	UP	639.8675	639.8665	639.88	9.895	9.743767
11582	M797T9_1	1.296754	0.374905	0.463519	0.665559	0.871486	UP	796.6476	796.6465	796.6481	9.008417	8.909
11583	M360T10_	1.074841	-0.10412	-0.44925	0.665669	0.871497	DOWN	360.2697	360.2694	360.27	9.816175	9.699733
11584	M250T10_	1.135619	-0.18348	-0.45015	0.665714	0.871502	DOWN	250.0223	250.0122	250.0225	9.948875	9.843367

11585	M256T10_	1.144748	0.19503	0.449751	0.665742	0.871505	UP	256.3733	256.3729	256.3735	9.964092	9.843367
11586	M256T10_	1.077542	0.107744	0.44878	0.665846	0.871515	UP	256.1514	256.1512	256.1523	9.9174	9.827283
11587	M465T10_	1.31251	-0.39233	-0.44817	0.665974	0.871529	DOWN	464.6768	464.6766	464.6774	9.802117	9.6681
11588	M276T10_	1.046534	-0.06562	-0.44859	0.666035	0.871535	DOWN	275.5696	275.5694	275.5699	9.841308	9.715683
11589	M383T11_	1.115213	0.157319	0.464246	0.666046	0.871536	UP	382.7386	382.7385	382.7397	10.91982	10.89355
11590	M370T10_	1.084465	-0.11698	-0.44975	0.666121	0.871544	DOWN	370.0421	370.032	370.0426	9.922	9.811217
11591	M597T11_	1.096315	0.132662	0.450652	0.666128	0.871545	UP	596.7957	596.7952	596.7963	10.90657	10.879
11592	M297T29	1.060126	0.084236	0.448861	0.666159	0.871548	UP	297.2422	297.2419	297.2424	28.57083	28.528
11593	M352T43_	1.139177	-0.18799	-0.4561	0.666196	0.871552	DOWN	352.1965	352.1963	352.1967	43.34367	43.20067
11594	M430T10_	1.066342	0.092671	0.448095	0.666265	0.871559	UP	429.8177	429.8174	429.8179	9.801808	9.7124
11595	M620T34	1.100473	0.138124	0.464589	0.666268	0.871559	UP	620.3639	620.3636	620.3643	34.10417	33.775
11596	M460T24	1.126894	-0.17235	-0.44757	0.666386	0.871571	DOWN	460.3415	460.3413	460.3416	24.38475	24.376
11597	M534T27	1.173231	-0.23049	-0.44924	0.666393	0.871572	DOWN	534.389	534.3887	534.3897	26.80292	26.7685
11598	M980T26	1.100132	-0.13768	-0.44748	0.6664	0.871573	DOWN	979.6973	979.6964	979.6978	25.96967	25.95233
11599	M882T11_	1.164212	-0.21935	-0.45102	0.666406	0.871573	DOWN	882.4653	882.4539	882.4672	10.8926	10.7223
11600	M1397T10	1.131208	0.177864	0.449067	0.666428	0.871576	UP	1397.39	1397.389	1397.391	9.970617	9.859233
11601	M749T18	1.07818	0.108598	0.448809	0.666555	0.871589	UP	748.574	748.5733	748.5748	17.593	17.57083
11602	M178T9_6	1.244631	0.315719	0.450376	0.66665	0.871599	UP	177.8782	177.8781	177.8785	9.338375	9.24215
11603	M494T29_	1.143187	0.193062	0.452521	0.666651	0.871599	UP	494.3234	494.3232	494.3235	29.1165	29.0875
11604	M251T10_	1.170441	-0.22705	-0.44727	0.666652	0.871599	DOWN	250.8374	250.8373	250.8396	9.933	9.843367
11605	M288T22_	1.152714	-0.20504	-0.44867	0.666679	0.871602	DOWN	288.3518	288.3438	288.3525	22.08083	22.057
11606	M842T21	1.082996	-0.11503	-0.45248	0.666681	0.871602	DOWN	841.5688	841.5685	841.5697	21.25067	21.22733
11607	M349T25	1.107081	0.14676	0.44717	0.666833	0.871617	UP	349.314	349.3137	349.3143	24.65175	24.631
11608	M500T9_7	1.164513	0.219727	0.463214	0.666854	0.87162	UP	499.939	499.9382	499.9392	9.146383	9.11405
11609	M1771T10	1.065742	-0.09186	-0.4508	0.666982	0.871633	DOWN	1770.792	1770.789	1770.795	9.830283	9.7124
11610	M624T12_	1.134389	-0.18192	-0.44699	0.666999	0.871635	DOWN	624.4446	624.4442	624.4447	11.84607	11.8399
11611	M223T11_	1.085421	-0.11825	-0.44781	0.667026	0.871637	DOWN	223.2844	223.2844	223.2849	10.91734	10.88995
11612	M1490T10	1.053555	-0.07527	-0.44674	0.667121	0.871647	DOWN	1490.005	1490.002	1490.014	9.887133	9.779267
11613	M326T11_	1.105103	-0.14418	-0.45075	0.667133	0.871649	DOWN	325.6769	325.6765	325.6776	10.90802	10.873
11614	M462T25	1.120806	-0.16454	-0.44926	0.667167	0.871652	DOWN	462.3527	462.3523	462.3529	24.62317	24.60717
11615	M297T10_	1.17661	0.234636	0.449607	0.667227	0.871658	UP	297.4447	297.4445	297.4449	9.946417	9.843367
11616	M607T10_	1.090416	-0.12488	-0.457	0.667255	0.871661	DOWN	606.5938	606.5935	606.5945	9.886525	9.806367
11617	M480T11_	1.087757	-0.12136	-0.44651	0.667288	0.871665	DOWN	479.7068	479.7064	479.7071	10.90548	10.879
11618	M166T8	1.150388	0.20212	0.447881	0.667315	0.871667	UP	166.0471	166.0471	166.0472	7.96315	7.8284
11619	M183T9_1	1.363294	-0.4471	-0.44773	0.667356	0.871672	DOWN	183.2092	183.2087	183.2094	9.154342	9.1322

11620	M1345T10	1.141318	-0.1907	-0.44644	0.667399	0.871676	DOWN	1345.02	1345.015	1345.023	9.928667	9.827283
11621	M207T9_1	1.305725	0.384851	0.450468	0.667409	0.871677	UP	207.0776	207.0739	207.0832	9.352117	9.132267
11622	M692T10	1.375681	0.460146	0.459777	0.667457	0.871682	UP	692.3708	692.3701	692.3758	10.16032	9.856867
11623	M898T11	1.189346	0.250168	0.447769	0.667487	0.871685	UP	898.4007	898.4006	898.4024	10.8914	10.89125
11624	M665T15	1.092704	-0.1279	-0.44589	0.667506	0.871687	DOWN	665.4846	665.484	665.4854	15.17552	15.13173
11625	M662T10_	1.13751	-0.18588	-0.44766	0.667598	0.871697	DOWN	661.9866	661.9859	661.9877	9.830283	9.715683
11626	M313T13_	1.269145	0.343857	0.457574	0.667657	0.871703	UP	313.1983	313.1979	313.1985	13.34659	13.33272
11627	M615T10_	1.099683	0.137088	0.446449	0.667703	0.871707	UP	615.4876	615.4869	615.488	9.598992	9.478833
11628	M568T10_	1.131483	0.178215	0.447965	0.667707	0.871708	UP	567.5457	567.5451	567.5461	9.95165	9.843367
11629	M483T23	1.115835	0.158124	0.449069	0.667721	0.871709	UP	483.256	483.2559	483.2561	23.414	23.07433
11630	M294T10_	1.19596	0.25817	0.455133	0.667816	0.871719	UP	294.1475	294.1467	294.1477	9.504583	9.40135
11631	M612T9_5	1.276261	0.351924	0.446609	0.667974	0.871735	UP	611.9229	611.9173	611.9264	9.238883	9.053483
11632	M299T43_	1.056213	-0.0789	-0.44527	0.668222	0.871761	DOWN	299.185	299.185	299.1852	42.96325	42.8985
11633	M359T9_1	1.18557	-0.24558	-0.44488	0.668246	0.871763	DOWN	358.5806	358.5802	358.5809	9.292275	9.0637
11634	M404T45	1.185708	-0.24575	-0.46127	0.668275	0.871766	DOWN	404.2639	404.2637	404.2641	44.926	44.79667
11635	M354T24	1.117074	-0.15972	-0.44622	0.668291	0.871768	DOWN	354.2848	354.2846	354.2849	23.746	23.73167
11636	M239T10_	1.205272	-0.26936	-0.44697	0.668313	0.87177	DOWN	239.0889	239.0887	239.0889	9.608767	9.52595
11637	M368T9_1	1.133894	0.181286	0.450139	0.668335	0.871773	UP	367.6074	367.6073	367.6077	9.120075	9.095133
11638	M165T11	1.061285	-0.08581	-0.44772	0.668387	0.871778	DOWN	165.3627	165.3627	165.3628	10.89875	10.879
11639	M321T27_	1.213275	-0.27891	-0.44503	0.668569	0.871797	DOWN	321.0363	321.036	321.0363	26.80275	26.7805
11640	M570T10_	1.184291	0.244023	0.451858	0.668689	0.871809	UP	569.7519	569.7517	569.7536	9.964	9.88865
11641	M464T11_	1.134875	0.182533	0.44948	0.66882	0.871822	UP	463.7982	463.7974	463.8034	10.92734	10.87487
11642	M555T10_	1.170597	-0.22724	-0.44403	0.668883	0.871829	DOWN	555.165	555.1625	555.1656	9.940783	9.843367
11643	M242T10_	1.153646	0.206201	0.449979	0.668884	0.871829	UP	242.4098	242.4097	242.4099	9.985733	9.8914
11644	M609T10_	1.105495	0.144692	0.452788	0.669239	0.871865	UP	609.0977	609.0962	609.098	9.957333	9.859233
11645	M339T10_	1.126385	0.1717	0.445109	0.669252	0.871867	UP	338.9531	338.9528	338.9533	9.967367	9.859233
11646	M346T9_6	1.245413	0.316625	0.447727	0.669304	0.871872	UP	345.9119	345.9117	345.9123	8.814858	8.697767
11647	M1565T10	1.247732	0.319309	0.447897	0.669407	0.871883	UP	1565.236	1565.234	1565.238	9.934875	9.918833
11648	M609T10_	1.105684	0.14494	0.443219	0.669415	0.871884	UP	609.0315	609.0311	609.0318	10.39613	10.34372
11649	M383T11_	1.051938	-0.07305	-0.4434	0.669443	0.871886	DOWN	382.8777	382.8775	382.8824	10.90553	10.88747
11650	M535T11_	1.083111	-0.11518	-0.44399	0.669451	0.871887	DOWN	534.6564	534.6561	534.6568	10.51828	10.47223
11651	M233T11_	1.130119	0.176475	0.445752	0.669456	0.871888	UP	233.2001	233.1998	233.201	10.93208	10.6311
11652	M334T9_5	1.156185	0.209372	0.444181	0.669527	0.871895	UP	334.1764	334.1753	334.1818	9.249433	9.118517
11653	M591T7	1.056877	0.079808	0.457353	0.669709	0.871914	UP	591.456	591.4558	591.4566	7.034133	6.94005
11654	M542T10_	1.052189	-0.07339	-0.44835	0.669821	0.871925	DOWN	542.3226	542.3218	542.3246	9.915583	9.79535

11655	M634T10_	1.079156	0.109903	0.443854	0.669846	0.871928	UP	634.1243	634.1237	634.1268	9.8207	9.715683
11656	M528T30	1.0752	-0.1046	-0.44875	0.669887	0.871932	DOWN	528.4101	528.4097	528.4103	30.2805	30.266
11657	M404T10_	1.108158	0.148163	0.442642	0.669894	0.871933	UP	403.7986	403.7904	403.7989	10.45436	10.42453
11658	M678T9	1.142497	0.19219	0.445062	0.669959	0.871939	UP	677.6009	677.6006	677.6028	9.329083	9.129317
11659	M661T9_1	1.274458	0.349883	0.442491	0.669982	0.871942	UP	660.5366	660.5352	660.5369	9.307292	9.126783
11660	M381T10_	1.138312	-0.1869	-0.44467	0.670078	0.871952	DOWN	380.5324	380.5283	380.5328	9.929017	9.811217
11661	M358T41	1.181719	-0.24089	-0.45836	0.670151	0.871959	DOWN	358.2223	358.2222	358.2224	41.12092	40.899
11662	M215T7	1.161273	-0.21571	-0.4456	0.670203	0.871964	DOWN	215.1251	215.125	215.1253	7.288167	7.244783
11663	M234T11_	1.232332	0.301391	0.446953	0.670301	0.871974	UP	234.4457	234.4454	234.4459	10.89224	10.87765
11664	M446T11_	1.090777	0.125356	0.441907	0.670358	0.87198	UP	445.8225	445.817	445.8246	10.90197	10.67637
11665	M289T11_	1.100005	-0.13751	-0.44396	0.670486	0.871993	DOWN	288.5706	288.5703	288.5708	10.85552	10.8214
11666	M472T10_	1.132711	-0.17978	-0.4424	0.670507	0.871995	DOWN	472.3489	472.3482	472.349	9.958617	9.843367
11667	M592T7	1.117986	-0.1609	-0.45484	0.67061	0.872006	DOWN	592.4598	592.4595	592.4604	6.9967	6.954633
11668	M359T44	1.151813	0.203907	0.444679	0.670626	0.872008	UP	359.2062	359.206	359.2064	44.44942	44.09217
11669	M201T9_8	1.179463	-0.23813	-0.44132	0.670686	0.872014	DOWN	200.7018	200.6989	200.7025	9.272583	9.133667
11670	M609T9_3	1.348306	0.431148	0.455206	0.670709	0.872016	UP	608.9267	608.9265	608.9268	9.332617	9.275917
11671	M568T10_	1.091151	0.125851	0.446072	0.670809	0.872026	UP	568.3665	568.3658	568.3668	9.544833	9.40135
11672	M503T10_	1.131379	0.178082	0.441066	0.670842	0.87203	UP	502.8735	502.8729	502.8743	9.967367	9.859233
11673	M234T11_	1.154088	0.206753	0.445585	0.670895	0.872035	UP	234.118	234.1179	234.1182	11.33537	11.30818
11674	M213T9_8	1.348541	-0.4314	-0.44137	0.671027	0.872049	DOWN	212.8392	212.8366	212.8418	9.17485	9.032483
11675	M424T11_	1.270184	-0.34504	-0.44277	0.671029	0.872049	DOWN	423.5299	423.5235	423.5301	10.95095	10.80222
11676	M287T10_	1.166425	-0.22209	-0.44064	0.671224	0.872069	DOWN	287.1615	287.1614	287.1616	9.960642	9.932
11677	M185T10_	1.217034	-0.28337	-0.44101	0.671246	0.872071	DOWN	185.3827	185.3826	185.3827	9.903283	9.874067
11678	M234T9_4	1.06564	-0.09172	-0.44102	0.671262	0.872073	DOWN	233.8569	233.8566	233.857	9.28135	9.11405
11679	M339T10_	1.130273	-0.17667	-0.44689	0.671384	0.872085	DOWN	338.6197	338.6196	338.6202	9.95385	9.843367
11680	M1836T10	1.032299	-0.04586	-0.44055	0.671432	0.87209	DOWN	1835.866	1835.864	1835.873	9.843017	9.73145
11681	M440T30	1.088675	-0.12257	-0.44882	0.671521	0.872099	DOWN	440.3579	440.3576	440.358	30.23733	30.2225
11682	M1050T11	1.072417	-0.10087	-0.44133	0.671549	0.872102	DOWN	1050.025	1050.025	1050.028	10.892	10.879
11683	M762T32	1.087856	-0.12149	-0.44243	0.6716	0.872107	DOWN	761.5609	761.5606	761.5614	31.76775	31.73867
11684	M449T10_	1.214827	0.280751	0.440271	0.671622	0.872109	UP	449.025	449.024	449.0255	9.956417	9.843367
11685	M245T10_	1.180882	-0.23987	-0.44514	0.671671	0.872114	DOWN	244.6192	244.6189	244.6196	9.975217	9.8753
11686	M768T10_	1.157009	-0.2104	-0.44155	0.671688	0.872116	DOWN	767.6559	767.6545	767.6568	9.949233	9.827283
11687	M184T11_	1.184657	0.244469	0.439857	0.671698	0.872117	UP	183.648	183.6479	183.6481	10.89133	10.85018
11688	M188T10_	1.15285	0.205204	0.439789	0.671736	0.872121	UP	188.1794	188.1791	188.1795	9.967367	9.843367
11689	M276T11_	1.076348	-0.10614	-0.44211	0.671759	0.872123	DOWN	276.24	276.2399	276.2402	10.89875	10.8646

11690	M313T25_	1.082723	0.114664	0.446698	0.671776	0.872125	UP	313.2272	313.2269	313.2274	24.85558	24.8265
11691	M288T9_1	1.091197	-0.12591	-0.43972	0.671777	0.872125	DOWN	287.5217	287.5214	287.5221	8.878667	8.827133
11692	M227T9_2	1.217669	0.284123	0.441623	0.671801	0.872128	UP	226.7701	226.7689	226.7708	9.292008	9.204617
11693	M917T10	1.098959	0.136138	0.446833	0.672066	0.872155	UP	917.324	917.3232	917.3246	9.939283	9.827283
11694	M419T11_	1.117901	0.160793	0.442707	0.672145	0.872163	UP	419.2886	419.2874	419.2889	10.50049	10.45585
11695	M376T9_1	1.202842	-0.26645	-0.44237	0.672148	0.872163	DOWN	375.7663	375.7659	375.7679	9.314442	9.24215
11696	M327T16	1.106962	0.146606	0.440218	0.672186	0.872167	UP	327.2357	327.2354	327.2358	16.24224	16.21925
11697	M283T9_1	1.152962	-0.20535	-0.43958	0.672304	0.872179	DOWN	282.8719	282.8716	282.872	9.4098	9.288883
11698	M408T12_	1.183058	0.24252	0.443624	0.672307	0.872179	UP	407.7975	407.7972	407.7983	12.36967	12.31023
11699	M493T11_	1.104425	0.143296	0.443293	0.672372	0.872186	UP	492.5283	492.5279	492.5286	10.90657	10.879
11700	M1820T10	1.171141	0.227914	0.447608	0.672397	0.872188	UP	1819.565	1819.563	1819.57	9.816183	9.715683
11701	M254T9_2	1.200534	0.263676	0.44628	0.672407	0.872189	UP	253.962	253.9618	253.9626	9.49985	9.416817
11702	M746T27	1.141012	0.190313	0.440391	0.672414	0.87219	UP	746.4441	746.4434	746.4449	27.4775	27.4495
11703	M278T10_	1.174323	0.23183	0.449677	0.67256	0.872205	UP	278.2743	278.2741	278.2744	9.97155	9.859233
11704	M751T10_	1.038374	-0.05433	-0.4428	0.672588	0.872208	DOWN	751.1024	751.101	751.1034	9.825492	9.715683
11705	M480T9_7	1.123779	-0.16836	-0.44168	0.672671	0.872216	DOWN	480.3578	480.3559	480.3596	9.275917	9.159717
11706	M342T10_	1.135801	-0.18371	-0.43999	0.672769	0.872226	DOWN	341.5888	341.5887	341.589	9.948875	9.843367
11707	M369T10_	1.131828	0.178654	0.450346	0.673139	0.872264	UP	369.4212	369.4208	369.4224	9.948875	9.843367
11708	M306T10_	1.13101	0.177612	0.437649	0.67322	0.872272	UP	306.1921	306.1917	306.1924	9.971292	9.859233
11709	M319T10_	1.209147	0.27399	0.450214	0.673286	0.872279	UP	319.3368	319.3332	319.3372	9.8753	9.715683
11710	M473T11_	1.104729	0.143692	0.452779	0.6733	0.87228	UP	472.8958	472.8943	472.8963	10.92598	10.879
11711	M237T11_	1.153138	-0.20557	-0.44804	0.673317	0.872282	DOWN	236.6637	236.6631	236.6641	10.91734	10.87487
11712	M228T10_	1.096393	-0.13276	-0.43795	0.673319	0.872282	DOWN	227.9646	227.9645	227.9647	9.915583	9.827283
11713	M638T10_	1.072069	0.100398	0.437672	0.673352	0.872286	UP	638.4087	638.4081	638.4092	10.41845	10.34542
11714	M206T11_	1.137155	-0.18543	-0.44385	0.673588	0.87231	DOWN	205.6885	205.6885	205.6887	10.91734	10.88995
11715	M273T10_	1.134764	0.182393	0.437081	0.673623	0.872313	UP	273.4628	273.4625	273.4631	9.958617	9.843367
11716	M723T34	1.242703	0.313482	0.445169	0.67364	0.872315	UP	722.5051	722.5047	722.5055	34.31008	34.288
11717	M725T10_	1.12435	-0.16909	-0.4383	0.673671	0.872318	DOWN	725.0609	725.0598	725.0621	9.939575	9.827283
11718	M974T29	1.161317	0.215762	0.43711	0.673672	0.872318	UP	973.5826	973.5802	973.5833	28.9895	28.936
11719	M792T21	1.049856	-0.07019	-0.43908	0.673786	0.87233	DOWN	791.5562	791.5556	791.5564	21.43767	21.40617
11720	M348T10_	1.046491	0.06556	0.447126	0.673804	0.872331	UP	348.1449	348.1447	348.145	9.864467	9.747533
11721	M417T30	1.09126	0.125995	0.436763	0.673899	0.872341	UP	417.261	417.2608	417.2656	30.1505	29.90617
11722	M491T23_	1.163779	-0.21882	-0.43676	0.673958	0.872347	DOWN	491.1436	491.1429	491.1441	22.987	22.9725
11723	M305T11_	1.195425	0.257524	0.437105	0.674002	0.872352	UP	305.3325	305.3323	305.3349	10.93468	10.873
11724	M202T9_3	1.147794	-0.19886	-0.43839	0.674023	0.872354	DOWN	201.5686	201.5682	201.5691	9.3494	9.20785

11725	M378T11_	1.088113	-0.12183	-0.44428	0.674106	0.872362	DOWN	377.9463	377.9456	377.95	10.90659	10.85018
11726	M619T16_	1.107058	-0.14673	-0.44072	0.67413	0.872365	DOWN	619.4702	619.4697	619.4705	15.55905	15.54172
11727	M520T41_	1.10872	-0.14889	-0.43812	0.674136	0.872365	DOWN	520.3112	520.311	520.3116	40.76933	40.23717
11728	M388T11_	1.053801	-0.0756	-0.45088	0.674153	0.872367	DOWN	388.2523	388.2521	388.2524	10.6624	10.64593
11729	M579T11_	1.101013	-0.13883	-0.43628	0.674182	0.87237	DOWN	578.6828	578.6819	578.6832	10.72995	10.69123
11730	M257T10_	1.129327	0.175463	0.43661	0.674371	0.872389	UP	257.0929	257.0925	257.0932	9.95605	9.859233
11731	M685T14	1.1222	0.16633	0.43796	0.674373	0.872389	UP	684.5329	684.5325	684.534	14.14371	14.10673
11732	M240T10_	1.08054	-0.11175	-0.43828	0.674383	0.87239	DOWN	239.5618	239.5618	239.5619	9.908417	9.811217
11733	M250T10_	1.130063	-0.1764	-0.43719	0.674413	0.872393	DOWN	249.5758	249.5756	249.576	9.939575	9.827283
11734	M223T11_	1.071138	0.099144	0.441073	0.67449	0.872401	UP	223.0534	223.0534	223.0535	11.36835	11.3369
11735	M452T9_2	1.19308	0.25469	0.44882	0.674693	0.872422	UP	451.6302	451.6284	451.6352	9.1602	9.110833
11736	M423T30	1.091025	-0.12568	-0.44288	0.674837	0.872436	DOWN	423.3313	423.331	423.3315	30.23733	30.2225
11737	M680T44	1.033541	-0.0476	-0.44705	0.675073	0.87246	DOWN	680.3853	680.3853	680.3855	44.19283	44.12083
11738	M398T11_	1.091523	-0.12634	-0.43749	0.675214	0.872474	DOWN	398.4114	398.411	398.4118	10.91263	10.879
11739	M1962T10	1.118983	-0.16219	-0.43913	0.675241	0.872477	DOWN	1961.7	1961.697	1961.702	9.951283	9.853533
11740	M219T10_	1.150267	0.201969	0.445346	0.675336	0.872487	UP	218.6618	218.6565	218.6619	9.933967	9.914217
11741	M209T19_	1.104096	-0.14287	-0.44024	0.675339	0.872487	DOWN	209.1282	209.1281	209.1284	19.41592	19.386
11742	M207T7	1.109516	0.14993	0.439033	0.675441	0.872497	UP	206.8936	206.8935	206.8936	6.552683	6.4242
11743	M331T29_	1.24919	-0.32099	-0.4367	0.675442	0.872497	DOWN	330.7507	330.7506	330.7509	28.82317	28.8035
11744	M1557T10	1.103083	0.141542	0.437179	0.675596	0.872513	UP	1557.294	1557.291	1557.296	9.940783	9.843367
11745	M195T10_	1.077153	0.107223	0.435951	0.67597	0.872551	UP	195.0476	195.0472	195.0477	9.903092	9.874067
11746	M253T11_	1.211536	0.276837	0.433539	0.676097	0.872563	UP	252.8148	252.8143	252.8149	10.86253	10.83572
11747	M334T10_	1.052076	0.073239	0.446388	0.676134	0.872567	UP	333.6091	333.6088	333.6098	9.871042	9.747533
11748	M356T10_	1.125499	-0.17057	-0.43526	0.67615	0.872569	DOWN	356.1683	356.168	356.1684	9.948875	9.843367
11749	M217T10_	1.219309	0.286064	0.435042	0.676172	0.872571	UP	216.8769	216.8768	216.887	9.874067	9.82645
11750	M275T10_	1.123112	0.167502	0.436589	0.676368	0.872591	UP	274.9168	274.9166	274.9172	9.9847	9.8753
11751	M303T25_	1.070586	-0.0984	-0.43842	0.676439	0.872598	DOWN	303.0562	303.056	303.0564	24.69575	24.68133
11752	M541T10_	1.142462	-0.19215	-0.43427	0.676454	0.872599	DOWN	541.2861	541.2857	541.2865	9.965792	9.859233
11753	M443T10_	1.089352	-0.12347	-0.435	0.676566	0.872611	DOWN	443.0929	443.0927	443.1022	9.970617	9.822117
11754	M349T28	1.126639	-0.17203	-0.43273	0.676789	0.872633	DOWN	348.7834	348.7829	348.7836	28.22933	28.20133
11755	M324T10_	1.098709	-0.13581	-0.43298	0.676834	0.872638	DOWN	324.399	324.3988	324.3992	9.879508	9.870017
11756	M348T28	1.134172	-0.18164	-0.43389	0.676875	0.872642	DOWN	348.2815	348.2814	348.2822	28.23067	28.20083
11757	M383T9_1	1.200811	0.264009	0.434027	0.676896	0.872644	UP	382.6	382.5991	382.6017	9.1464	9.088183
11758	M325T10_	1.135096	-0.18281	-0.43738	0.676917	0.872646	DOWN	325.2277	325.2273	325.2287	9.837158	9.699733
11759	M585T37	1.07886	-0.10951	-0.43396	0.67698	0.872652	DOWN	585.4401	585.4398	585.4407	36.79842	36.7795



11760	M968T23	1.100178	-0.13774	-0.43792	0.677048	0.872659	DOWN	967.6609	967.6597	967.6613	22.50525	22.48
11761	M729T11_	1.131638	-0.17841	-0.43295	0.677076	0.872662	DOWN	729.2939	729.2933	729.2946	10.90553	10.88747
11762	M246T11_	1.089153	0.123207	0.431801	0.67734	0.872688	UP	246.2952	246.2948	246.2954	10.89904	10.85838
11763	M617T19	1.100355	-0.13797	-0.43172	0.67738	0.872692	DOWN	617.4636	617.4633	617.4638	18.96558	18.90733
11764	M641T10_	1.098082	-0.13499	-0.44007	0.677406	0.872695	DOWN	640.7412	640.7406	640.7434	9.865875	9.743767
11765	M764T10_	1.138273	0.186847	0.441083	0.677444	0.872699	UP	763.9421	763.9365	763.9445	10.09108	9.8753
11766	M636T44_	1.036726	-0.05203	-0.43208	0.677487	0.872703	DOWN	636.3591	636.3588	636.3592	43.60325	43.56017
11767	M313T25_	1.041684	0.058918	0.441122	0.67749	0.872703	UP	313.3211	313.3209	313.3212	24.72467	24.71033
11768	M194T10_	1.140108	-0.18917	-0.43579	0.677533	0.872708	DOWN	193.5715	193.5713	193.5716	9.964092	9.859233
11769	M481T18	1.134161	-0.18163	-0.4323	0.677624	0.872717	DOWN	481.3629	481.3627	481.3631	17.86442	17.82017
11770	M491T11_	1.045627	-0.06437	-0.43236	0.677637	0.872718	DOWN	491.3828	491.3825	491.3832	10.92593	10.89355
11771	M230T10_	1.091115	0.125803	0.439022	0.677676	0.872722	UP	230.3455	230.3453	230.3457	9.934533	9.827283
11772	M1025T16	1.08459	-0.11715	-0.44222	0.677705	0.872725	DOWN	1024.518	1024.518	1024.518	15.82213	15.7888
11773	M864T21	1.084462	-0.11698	-0.4362	0.677717	0.872726	DOWN	863.6136	863.6131	863.6142	21.3365	21.31917
11774	M357T37_	1.12513	-0.17009	-0.43608	0.677824	0.872737	DOWN	357.1906	357.1906	357.1908	37.46033	37.302
11775	M395T9_4	1.142393	0.192059	0.443425	0.677841	0.872739	UP	395.0659	395.0646	395.0684	9.193867	9.129317
11776	M280T11_	1.119902	0.163373	0.431042	0.677861	0.872741	UP	280.35	280.3499	280.3502	10.89248	10.89125
11777	M327T10_	1.112063	-0.15324	-0.43353	0.677994	0.872754	DOWN	326.6873	326.6871	326.6877	10.40425	10.34542
11778	M224T11_	1.091816	-0.12673	-0.43067	0.678086	0.872763	DOWN	223.5554	223.5552	223.556	10.93312	10.89355
11779	M373T15_	1.078448	-0.10896	-0.43139	0.678141	0.872769	DOWN	373.2846	373.2844	373.2849	15.29289	15.24757
11780	M292T10_	1.122735	-0.16702	-0.43851	0.678167	0.872771	DOWN	291.7006	291.7004	291.7009	10.38643	10.34372
11781	M481T11_	1.834263	0.875201	0.439243	0.67821	0.872776	UP	481.3996	481.3992	481.3997	10.66457	10.629
11782	M1170T10	1.113142	-0.15464	-0.43978	0.678277	0.872782	DOWN	1170.038	1170.038	1170.04	9.95385	9.859233
11783	M1339T10	1.156325	-0.20955	-0.4315	0.678302	0.872785	DOWN	1338.706	1338.705	1338.71	9.942317	9.859233
11784	M925T10_	1.137787	0.186231	0.438532	0.678335	0.872788	UP	924.694	924.6934	924.6947	9.626517	9.510117
11785	M233T10_	1.050743	-0.07141	-0.43169	0.678407	0.872796	DOWN	233.4003	233.3999	233.4003	9.90875	9.79535
11786	M750T14	1.080468	-0.11166	-0.43174	0.678468	0.872802	DOWN	749.5812	749.5805	749.5815	13.68275	13.66813
11787	M287T10_	1.177349	0.235543	0.430108	0.678551	0.87281	UP	286.6863	286.6861	286.6936	9.9351	9.827283
11788	M334T10_	1.394547	0.479797	0.443089	0.678847	0.87284	UP	334.2832	334.2828	334.2914	9.823575	9.715683
11789	M215T11_	1.058967	-0.08266	-0.43015	0.678897	0.872845	DOWN	215.1486	215.1486	215.149	10.90659	10.879
11790	M722T10_	1.117775	0.16063	0.433654	0.679062	0.872861	UP	722.3076	722.3061	722.3092	9.840617	9.715683
11791	M1136T10	1.141043	0.190353	0.432109	0.67918	0.872873	UP	1135.736	1135.735	1135.737	9.953367	9.859233
11792	M420T9_1	1.15211	0.204278	0.433893	0.679241	0.872879	UP	419.6199	419.6195	419.6207	9.28135	9.129317
11793	M1114T10	1.162577	0.217326	0.434674	0.679284	0.872883	UP	1114.001	1113.999	1114.003	9.859983	9.774967
11794	M181T10_	1.172393	0.229456	0.430088	0.679374	0.872892	UP	181.1217	181.1215	181.1218	9.979342	9.859233

11795	M441T29_	1.243772	-0.31472	-0.43089	0.67942	0.872897	DOWN	440.6652	440.6647	440.6653	28.82083	28.79767
11796	M254T11_	1.085353	0.118164	0.435946	0.67946	0.872901	UP	253.8027	253.8026	253.8028	10.89907	10.8646
11797	M567T10_	1.067278	0.093936	0.42924	0.679503	0.872905	UP	567.3631	567.3627	567.3634	9.522992	9.40135
11798	M576T10_	1.06634	-0.09267	-0.42888	0.679545	0.872909	DOWN	576.2299	576.2297	576.2302	9.948875	9.843367
11799	M708T10_	1.09298	-0.12827	-0.4297	0.679563	0.872911	DOWN	707.8354	707.826	707.836	9.825492	9.715683
11800	M640T11_	1.13225	-0.17919	-0.43261	0.679568	0.872912	DOWN	640.1415	640.1405	640.1418	10.90765	10.8646
11801	M393T43	1.065164	-0.09108	-0.44	0.679608	0.872916	DOWN	393.2313	393.231	393.2315	42.94167	42.82667
11802	M775T10_	1.116155	0.158538	0.433342	0.679749	0.87293	UP	775.2907	775.2856	775.2912	9.824183	9.7124
11803	M244T11_	1.137116	-0.18538	-0.43098	0.679784	0.872933	DOWN	244.1814	244.1789	244.1817	10.91978	10.88747
11804	M360T10_	1.368248	0.452329	0.43877	0.679789	0.872934	UP	359.524	359.5239	359.524	9.960817	9.859233
11805	M384T11_	1.049377	-0.06953	-0.42921	0.679802	0.872935	DOWN	384.1237	384.1233	384.1239	10.892	10.879
11806	M339T10_	1.12122	-0.16507	-0.43093	0.679864	0.872941	DOWN	339.4364	339.4362	339.4366	9.94785	9.843367
11807	M245T22	1.081991	-0.11369	-0.44075	0.679929	0.872948	DOWN	245.2665	245.2664	245.2666	22.30567	22.296
11808	M517T10_	1.152787	-0.20513	-0.43032	0.680134	0.872968	DOWN	516.7954	516.7949	516.7958	9.548667	9.46325
11809	M438T43_	1.130224	-0.17661	-0.44229	0.680181	0.872973	DOWN	438.2693	438.2692	438.2696	42.74017	42.40933
11810	M277T10_	1.064542	-0.09023	-0.43344	0.680209	0.872976	DOWN	276.9686	276.9684	276.9763	9.8397	9.715683
11811	M791T27	1.065392	-0.09138	-0.42883	0.680227	0.872977	DOWN	790.5889	790.5885	790.5894	27.31833	27.20167
11812	M864T26	1.125347	-0.17037	-0.42748	0.680366	0.872991	DOWN	863.6137	863.6134	863.6141	25.5685	25.54183
11813	M1421T10	1.089389	-0.12352	-0.4315	0.680413	0.872996	DOWN	1420.749	1420.748	1420.751	9.8207	9.699733
11814	M301T10_	1.190372	-0.25141	-0.42916	0.68043	0.872998	DOWN	301.1573	301.1572	301.1573	9.915583	9.874067
11815	M1024T18	1.074191	-0.10325	-0.43171	0.680479	0.873003	DOWN	1023.506	1023.505	1023.507	17.57133	17.5555
11816	M645T36	1.274567	-0.35001	-0.42787	0.680519	0.873006	DOWN	645.4977	645.4966	645.4982	35.85117	35.81933
11817	M768T9_1	1.200863	-0.26407	-0.42796	0.680561	0.873011	DOWN	767.967	767.9656	767.9682	9.058417	8.90515
11818	M564T41_	1.101134	-0.13899	-0.43056	0.680661	0.873021	DOWN	564.3013	564.3009	564.3016	41.10758	40.94217
11819	M512T10_	1.168551	-0.22472	-0.42878	0.680664	0.873021	DOWN	511.6944	511.6942	511.6946	9.830283	9.715683
11820	M786T9_2	1.171335	0.228154	0.427296	0.680686	0.873023	UP	786.1351	786.1301	786.1359	9.302667	9.234417
11821	M374T11_	1.091099	0.125782	0.428953	0.680696	0.873024	UP	373.9319	373.9312	373.9323	10.93655	10.82972
11822	M419T10_	1.12338	0.167846	0.426882	0.680745	0.873029	UP	418.7839	418.7837	418.7842	9.970617	9.8753
11823	M620T36_	1.052827	0.074269	0.441436	0.68076	0.87303	UP	620.3639	620.3639	620.3644	36.19258	35.919
11824	M912T10_	1.409865	0.495557	0.439513	0.680897	0.873044	UP	912.3328	912.3308	912.3341	9.605683	9.49445
11825	M358T9_1	1.107541	-0.14736	-0.43014	0.680962	0.873051	DOWN	357.6644	357.6639	357.6646	9.272133	9.234417
11826	M960T9_1	1.25143	0.323578	0.43666	0.680967	0.873051	UP	959.6174	959.6164	959.618	9.394433	9.284283
11827	M423T11_	1.181727	-0.2409	-0.42728	0.68114	0.873068	DOWN	423.352	423.3419	423.3559	10.97242	10.88747
11828	M568T10_	1.12827	0.174112	0.429373	0.68114	0.873068	UP	568.311	568.31	568.3119	9.951283	9.843367
11829	M887T10_	1.250671	0.322703	0.430435	0.681178	0.873072	UP	886.598	886.5973	886.5985	9.918833	9.811217

11830	M541T10_	1.135458	0.183275	0.436277	0.681183	0.873073	UP	541.4519	541.4511	541.4521	10.05251	9.955733
11831	M763T10_	1.137261	-0.18556	-0.4266	0.681191	0.873073	DOWN	763.4779	763.4766	763.4787	10.28725	10.19852
11832	M719T25	1.133294	0.180523	0.426108	0.681291	0.873083	UP	719.4925	719.4919	719.4927	24.6525	24.638
11833	M245T9_1	1.154931	0.207807	0.42623	0.681347	0.873089	UP	244.5296	244.5275	244.5303	9.295167	9.1175
11834	M1153T10	1.080946	-0.11229	-0.42615	0.681358	0.87309	DOWN	1153.412	1153.41	1153.413	9.975142	9.8753
11835	M373T41_	1.066066	0.092297	0.441362	0.681468	0.873101	UP	373.222	373.2219	373.2221	40.97067	40.94233
11836	M335T11_	1.038297	-0.05422	-0.43011	0.681499	0.873104	DOWN	335.3648	335.3646	335.3659	10.91982	10.879
11837	M454T43_	1.124551	-0.16935	-0.42982	0.681737	0.873128	DOWN	454.2642	454.2641	454.2644	43.07833	42.85533
11838	M358T11_	1.080515	0.11172	0.428001	0.681826	0.873136	UP	358.4479	358.4477	358.4486	10.892	10.87487
11839	M235T10_	1.059216	-0.083	-0.42533	0.681948	0.873148	DOWN	235.2147	235.2145	235.2148	9.930908	9.811217
11840	M199T10_	1.128444	-0.17433	-0.43073	0.681983	0.873152	DOWN	199.4694	199.4692	199.4694	9.968992	9.859233
11841	M180T10_	1.120608	0.164282	0.429492	0.682032	0.873157	UP	180.2067	180.2066	180.2068	9.989117	9.8914
11842	M400T9_2	1.125132	-0.17009	-0.43364	0.682041	0.873158	DOWN	399.6498	399.6492	399.6508	9.299058	9.1445
11843	M681T11_	1.085615	-0.11851	-0.42686	0.682046	0.873158	DOWN	681.0165	681.0147	681.0168	10.83417	10.79918
11844	M291T30	1.102423	0.140678	0.430132	0.682119	0.873166	UP	291.2528	291.2527	291.2529	29.92025	29.90533
11845	M478T40_	1.043309	-0.06117	-0.42495	0.682183	0.873172	DOWN	478.2642	478.264	478.2646	39.748	39.63283
11846	M1131T10	1.098542	-0.13559	-0.4285	0.682204	0.873174	DOWN	1131.172	1131.171	1131.173	9.975217	9.8753
11847	M344T33	1.064662	0.090395	0.424925	0.682223	0.873176	UP	344.3156	344.3151	344.3159	32.9505	32.89283
11848	M600T10_	1.054437	-0.07647	-0.42484	0.682398	0.873193	DOWN	600.4209	600.4199	600.4223	9.914217	9.522017
11849	M219T9_1	1.273552	-0.34886	-0.42523	0.682406	0.873194	DOWN	219.2293	219.2279	219.2324	9.310917	9.204617
11850	M209T10_	1.038639	-0.05469	-0.42851	0.682456	0.873199	DOWN	209.0269	209.0268	209.027	9.841442	9.73145
11851	M678T10_	1.169025	-0.22531	-0.42623	0.68249	0.873202	DOWN	678.3712	678.3702	678.3758	9.869467	9.827283
11852	M308T10_	1.155839	0.208941	0.427154	0.682743	0.873227	UP	308.0119	308.0116	308.0123	9.979342	9.8753
11853	M1775T10	1.078601	0.109161	0.423934	0.682785	0.873231	UP	1775.199	1775.195	1775.201	9.8207	9.728083
11854	M633T37	1.078169	-0.10858	-0.4243	0.682799	0.873233	DOWN	633.4186	633.418	633.4189	36.54708	36.52383
11855	M619T10_	1.110602	0.151342	0.429432	0.682856	0.873239	UP	618.9243	618.9237	618.9247	9.958617	9.843367
11856	M434T9_1	1.200807	0.264004	0.432512	0.682903	0.873243	UP	434.3276	434.3273	434.3278	9.457083	9.370583
11857	M964T10_	1.108973	0.149225	0.42398	0.68291	0.873244	UP	963.7489	963.7476	963.7522	9.975217	9.8753
11858	M620T36_	1.019258	-0.02752	-0.42542	0.682947	0.873248	DOWN	620.364	620.3639	620.3644	35.57467	35.55567
11859	M333T10_	1.029783	0.04234	0.429548	0.68296	0.873249	UP	333.2648	333.2646	333.2654	9.847817	9.73145
11860	M454T9_3	1.111114	0.152007	0.424128	0.682963	0.873249	UP	453.5649	453.5555	453.5654	9.3494	9.175017
11861	M446T39_	1.086867	-0.12018	-0.42563	0.682965	0.873249	DOWN	446.2746	446.2744	446.2749	39.25883	39.11483
11862	M845T10_	1.130695	0.17721	0.432973	0.683221	0.873275	UP	844.5781	844.5755	844.5795	9.938708	9.827283
11863	M456T10_	1.114043	0.155806	0.43074	0.683352	0.873288	UP	455.5919	455.5917	455.6035	10.14725	10.05268
11864	M370T9_5	1.153902	-0.20652	-0.42326	0.683378	0.87329	DOWN	369.8126	369.8122	369.8133	8.963	8.89395

11865	M787T24	1.17847	-0.23692	-0.42458	0.683397	0.873292	DOWN	787.0656	787.0647	787.0663	24.11333	24.088
11866	M729T10_	1.168892	0.225141	0.431475	0.68341	0.873293	UP	728.7817	728.7789	728.7829	9.8374	9.715683
11867	M248T30	1.189914	0.250858	0.435604	0.683429	0.873295	UP	248.2298	248.2296	248.23	29.74683	29.71833
11868	M561T13	1.094703	-0.13054	-0.43052	0.683614	0.873313	DOWN	561.3705	561.3698	561.3713	13.08343	13.03922
11869	M803T11	1.159818	0.213898	0.428583	0.683661	0.873318	UP	803.433	803.4321	803.4344	10.5189	10.47197
11870	M172T9_1	1.131561	0.178314	0.432796	0.683718	0.873324	UP	171.5888	171.5884	171.5892	9.16835	9.111033
11871	M268T10_	1.072429	0.100883	0.429061	0.683737	0.873326	UP	267.7224	267.7223	267.7224	9.859667	9.806367
11872	M257T9_2	1.072907	-0.10152	-0.42343	0.683787	0.873331	DOWN	256.85	256.8499	256.8501	8.66015	8.5728
11873	M642T10_	1.211141	0.276367	0.42261	0.68381	0.873333	UP	642.1573	642.1571	642.1602	9.8374	9.715683
11874	M645T10_	1.096119	0.132405	0.430122	0.683874	0.873339	UP	645.4124	645.4116	645.4141	9.839008	9.715683
11875	M548T11_	1.099179	0.136426	0.425994	0.683953	0.873347	UP	548.4248	548.4242	548.4252	10.91152	10.879
11876	M267T10_	1.126226	-0.1715	-0.42257	0.68397	0.873349	DOWN	266.5275	266.5273	266.5276	9.918792	9.811217
11877	M404T41_	1.118032	0.160962	0.436116	0.683999	0.873351	UP	404.2639	404.2637	404.264	40.98767	40.856
11878	M523T9_2	1.115461	0.157641	0.428136	0.684045	0.873356	UP	523.0395	523.0375	523.0404	9.278717	9.129317
11879	M766T10_	1.200639	-0.2638	-0.42232	0.684069	0.873358	DOWN	765.5873	765.5861	765.5879	9.821383	9.801833
11880	M546T10_	1.135694	-0.18357	-0.42215	0.684106	0.873362	DOWN	545.9411	545.9409	545.9416	9.5812	9.49445
11881	M444T11_	1.120343	0.16394	0.425609	0.684134	0.873365	UP	443.6595	443.6586	443.6605	10.90551	10.873
11882	M221T11_	1.066562	0.092967	0.422256	0.684149	0.873366	UP	221.3498	221.3495	221.35	10.90537	10.879
11883	M316T44_	1.057431	-0.08056	-0.42205	0.684253	0.873376	DOWN	316.1753	316.1752	316.1753	44.31942	44.193
11884	M171T10_	1.04407	-0.06222	-0.4249	0.684267	0.873378	DOWN	170.5648	170.5647	170.5649	9.855658	9.73145
11885	M162T10_	1.145096	-0.19547	-0.42524	0.684325	0.873384	DOWN	161.7106	161.7105	161.7107	9.768183	9.636483
11886	M295T11_	1.098168	-0.1351	-0.42341	0.684327	0.873384	DOWN	295.0114	295.0111	295.0123	10.8926	10.873
11887	M1445T10	1.267116	0.341549	0.426816	0.684427	0.873394	UP	1445.088	1445.084	1445.091	9.941642	9.8914
11888	M299T9_3	1.291268	0.368789	0.424109	0.684437	0.873395	UP	299.2386	299.2379	299.2389	9.04055	8.985867
11889	M566T10_	1.206334	-0.27063	-0.42151	0.684639	0.873415	DOWN	566.429	566.4272	566.4294	9.979667	9.859233
11890	M512T10_	1.089296	-0.1234	-0.425	0.684813	0.873432	DOWN	511.6452	511.645	511.6455	9.849558	9.73145
11891	M508T43_	1.156062	0.209219	0.431361	0.684846	0.873435	UP	508.3111	508.3107	508.3113	43.05683	42.7835
11892	M696T28_	1.140047	-0.18909	-0.4209	0.684942	0.873444	DOWN	695.5567	695.5565	695.5571	28.2575	28.22917
11893	M623T10_	1.103213	0.141712	0.431773	0.684953	0.873445	UP	622.9254	622.9247	622.9293	9.834117	9.728083
11894	M381T17	1.126498	-0.17185	-0.42475	0.68503	0.873453	DOWN	381.1882	381.1881	381.1884	17.12683	17.00117
11895	M623T10_	1.072795	0.101375	0.429885	0.685114	0.873461	UP	622.5181	622.5176	622.5189	10.29527	10.21468
11896	M297T10_	1.073216	-0.10194	-0.42064	0.685167	0.873466	DOWN	296.5959	296.5956	296.596	9.954767	9.843367
11897	M353T11_	1.071595	0.09976	0.424348	0.68523	0.873473	UP	352.9271	352.9231	352.9276	10.91813	10.877
11898	M1136T32	1.084464	-0.11698	-0.42046	0.685339	0.873483	DOWN	1135.782	1135.78	1135.782	32.02733	31.99867
11899	M921T11	1.065498	0.091527	0.420184	0.685436	0.873493	UP	920.7299	920.7289	920.7307	10.892	10.879

11900	M312T10_	1.067197	0.093827	0.421675	0.685485	0.873498	UP	311.5994	311.5994	311.5995	9.979667	9.8914
11901	M374T10_	1.240124	0.310485	0.430128	0.685559	0.873505	UP	374.0722	374.072	374.0725	9.811267	9.699733
11902	M220T9_1	1.291114	0.368616	0.420333	0.685564	0.873506	UP	220.4612	220.4595	220.4622	9.329492	9.11795
11903	M386T9_6	1.214748	0.280657	0.42731	0.685577	0.873507	UP	386.3602	386.36	386.3603	9.166033	9.111033
11904	M212T10_	1.13649	0.184586	0.420114	0.685655	0.873515	UP	211.9655	211.9614	211.9658	9.8348	9.80185
11905	M703T27_	1.137972	-0.18647	-0.42042	0.685675	0.873516	DOWN	702.9934	702.9926	702.9937	26.85383	26.78133
11906	M388T42	1.040671	0.057514	0.427766	0.685739	0.873523	UP	388.2327	388.2326	388.2328	41.9205	41.805
11907	M227T23_	1.133282	0.180507	0.420543	0.685863	0.873535	UP	227.2003	227.2002	227.2003	22.65383	22.62733
11908	M451T10_	1.116483	-0.15896	-0.42015	0.685936	0.873542	DOWN	451.1691	451.1688	451.174	9.816133	9.801917
11909	M339T10_	1.098439	0.135454	0.419726	0.686158	0.873564	UP	338.9899	338.9897	338.9902	9.823317	9.728083
11910	M278T11_	1.113582	-0.15521	-0.42029	0.686201	0.873568	DOWN	277.7353	277.7352	277.7354	10.7766	10.75312
11911	M262T16	1.290801	-0.36827	-0.41899	0.686249	0.873573	DOWN	262.2373	262.2371	262.2375	16.06581	16.05238
11912	M891T11_	1.06753	-0.09428	-0.41974	0.686382	0.873586	DOWN	891.295	891.2942	891.2974	10.892	10.879
11913	M438T11_	1.044743	-0.06315	-0.41866	0.686479	0.873595	DOWN	437.73	437.7299	437.7308	10.91987	10.89355
11914	M512T9_6	1.136566	-0.18468	-0.4259	0.686483	0.873596	DOWN	512.3135	512.313	512.3146	8.980067	8.90515
11915	M368T9_3	1.112082	-0.15326	-0.4241	0.686522	0.8736	DOWN	367.8101	367.8094	367.811	8.961583	8.832317
11916	M267T11_	1.107963	0.14791	0.418363	0.686747	0.873622	UP	267.1487	267.1486	267.1489	10.89953	10.87487
11917	M750T10_	1.095398	-0.13145	-0.41828	0.686867	0.873633	DOWN	749.9462	749.9456	749.9468	10.40358	10.36125
11918	M451T36	1.223257	0.290727	0.425779	0.686879	0.873635	UP	451.3627	451.3622	451.3633	36.2275	36.2035
11919	M1741T10	1.12208	-0.16618	-0.42719	0.686958	0.873642	DOWN	1741.436	1741.434	1741.441	9.855658	9.747533
11920	M342T10_	1.144086	0.194196	0.422507	0.687003	0.873647	UP	341.8133	341.8051	341.8141	9.862375	9.715683
11921	M395T9_1	1.042746	0.060388	0.417579	0.687238	0.87367	UP	394.5176	394.5172	394.5184	8.837567	8.745033
11922	M292T11_	1.0982	-0.13514	-0.41753	0.687286	0.873674	DOWN	291.9508	291.9507	291.9514	10.88323	10.8214
11923	M393T9_6	1.568138	-0.64905	-0.42401	0.687312	0.873677	DOWN	393.247	393.2466	393.2495	8.851258	8.682683
11924	M227T9_1	1.359523	0.4431	0.417484	0.687313	0.873677	UP	227.1969	227.1944	227.1975	9.218083	9.0864
11925	M551T10_	1.08473	-0.11734	-0.41803	0.687329	0.873679	DOWN	551.0126	551.0121	551.0127	9.983467	9.8753
11926	M363T11_	1.060031	-0.08411	-0.41742	0.687361	0.873682	DOWN	363.0026	363.0023	363.0038	10.90519	10.879
11927	M509T10_	1.074882	0.104178	0.418664	0.687379	0.873683	UP	509.3389	509.3381	509.3392	10.13219	10.06883
11928	M1748T10	1.129878	0.176167	0.4173	0.68744	0.873689	UP	1748.022	1748.016	1748.024	9.977442	9.859233
11929	M185T11_	1.128765	0.174745	0.417342	0.687442	0.87369	UP	185.0213	185.0212	185.0213	10.8926	10.8646
11930	M424T11_	1.216653	0.282917	0.419329	0.687512	0.873697	UP	423.507	423.5008	423.513	10.96997	10.84767
11931	M280T32	1.062784	-0.08785	-0.41859	0.687603	0.873705	DOWN	280.1622	280.162	280.1623	32.46017	32.45933
11932	M687T10_	1.130001	-0.17632	-0.41794	0.687622	0.873707	DOWN	686.5696	686.5692	686.5704	9.82645	9.699733
11933	M706T11_	1.099356	-0.13666	-0.417	0.687686	0.873713	DOWN	706.1108	706.1104	706.1123	10.89875	10.873
11934	M250T10_	1.116944	-0.15956	-0.41754	0.687695	0.873714	DOWN	249.799	249.7987	249.7992	9.934533	9.827283

11935	M210T11_	1.075094	0.104463	0.419831	0.687707	0.873716	UP	209.7987	209.7986	209.7988	10.89875	10.879
11936	M160T10_	1.128457	0.174352	0.419347	0.687756	0.87372	UP	160.3235	160.3232	160.3287	9.9351	9.827283
11937	M1639T10	1.117046	-0.15969	-0.41722	0.687756	0.87372	DOWN	1639.472	1639.464	1639.474	9.91875	9.827283
11938	M661T10_	1.021487	-0.03067	-0.42288	0.688096	0.873754	DOWN	661.4199	661.4172	661.4217	9.830833	9.664033
11939	M592T11_	1.12705	-0.17255	-0.41657	0.688127	0.873757	DOWN	591.7064	591.7063	591.7069	10.77638	10.74842
11940	M374T30_	1.13954	-0.18845	-0.41799	0.688132	0.873757	DOWN	374.2705	374.2704	374.2706	29.58708	29.56083
11941	M344T19_	1.111673	0.152732	0.418056	0.688134	0.873757	UP	344.2414	344.2409	344.2415	18.74633	18.73333
11942	M791T10_	1.175376	0.233122	0.422113	0.688216	0.873765	UP	790.5291	790.5279	790.5294	9.970617	9.8753
11943	M389T11_	1.115032	-0.15709	-0.41626	0.688217	0.873765	DOWN	389.1319	389.1315	389.1325	11.24277	11.21362
11944	M277T10_	1.219303	0.286057	0.4165	0.688217	0.873765	UP	277.3336	277.3335	277.334	9.948875	9.869467
11945	M701T25	1.270934	0.345889	0.423835	0.688217	0.873765	UP	701.4933	701.4931	701.4935	25.04242	24.84117
11946	M799T9	1.160616	-0.21489	-0.41865	0.688241	0.873768	DOWN	798.9367	798.9364	798.9377	9.329642	9.24215
11947	M554T9_3	1.212462	0.27794	0.428906	0.688307	0.873774	UP	554.0373	554.029	554.0383	9.0871	8.94605
11948	M431T10_	1.094067	-0.1297	-0.42663	0.688361	0.873779	DOWN	431.333	431.3326	431.3341	9.787433	9.665433
11949	M242T11_	1.081147	0.112562	0.421105	0.688441	0.873787	UP	241.7419	241.7418	241.742	10.90522	10.879
11950	M384T10_	1.128611	-0.17455	-0.42039	0.688492	0.873792	DOWN	384.3136	384.3127	384.314	10.42665	10.39298
11951	M239T10_	1.042222	0.059662	0.416114	0.688496	0.873793	UP	239.4662	239.466	239.4662	9.902617	9.811217
11952	M1647T10	1.271218	0.346212	0.429298	0.688497	0.873793	UP	1646.827	1646.824	1646.832	9.918833	9.822117
11953	M464T9_2	1.315446	0.395552	0.428135	0.688546	0.873797	UP	464.3276	464.3264	464.3278	9.233917	9.146383
11954	M1392T11	1.146282	-0.19696	-0.41677	0.688599	0.873803	DOWN	1391.998	1391.997	1391.998	10.83417	10.8214
11955	M854T16_	1.113362	-0.15492	-0.41676	0.688619	0.873805	DOWN	854.1158	854.1148	854.1169	16.2564	16.2422
11956	M299T10_	1.081897	-0.11356	-0.41768	0.688664	0.873809	DOWN	299.1488	299.1486	299.149	10.01853	9.923533
11957	M1008T16	1.084861	-0.11751	-0.4187	0.688725	0.873815	DOWN	1008.487	1008.486	1008.487	15.51357	15.51095
11958	M901T10	1.166742	-0.22249	-0.42166	0.688801	0.873822	DOWN	901.3415	901.3409	901.342	9.597067	9.49445
11959	M477T9_7	1.068781	0.095966	0.415449	0.688892	0.873831	UP	477.3299	477.3297	477.33	9.204092	9.11405
11960	M187T44_	1.042941	0.060658	0.423437	0.688893	0.873831	UP	187.0962	187.0961	187.0963	43.56017	43.4995
11961	M400T10_	1.122245	0.166388	0.42187	0.68892	0.873834	UP	399.8531	399.8525	399.8538	9.95165	9.843367
11962	M368T10_	1.221214	-0.28832	-0.4173	0.688964	0.873838	DOWN	367.7448	367.7448	367.7518	9.799767	9.747533
11963	M240T10_	1.180744	-0.2397	-0.41577	0.689059	0.873847	DOWN	240.0971	240.0877	240.0981	9.946367	9.811217
11964	M529T9_3	1.061315	-0.08585	-0.41923	0.689082	0.87385	DOWN	529.2155	529.2138	529.2159	9.16125	9.12675
11965	M280T10_	1.059459	-0.08333	-0.42969	0.689086	0.87385	DOWN	279.9491	279.9489	279.9496	9.975142	9.859233
11966	M242T9_1	1.176062	-0.23396	-0.41803	0.689196	0.873861	DOWN	241.8048	241.8021	241.8051	9.311167	9.279417
11967	M733T10_	1.149226	-0.20066	-0.41723	0.689201	0.873861	DOWN	733.315	733.3143	733.3155	9.9174	9.827283
11968	M424T11_	1.048339	0.068105	0.419393	0.689237	0.873865	UP	424.4767	424.4763	424.4771	10.90343	10.879
11969	M173T9_3	1.171894	0.228842	0.423165	0.689252	0.873866	UP	172.777	172.7766	172.7772	9.175258	9.142767

11970	M674T36	1.1142	-0.15601	-0.41481	0.689285	0.873869	DOWN	674.4954	674.4948	674.4963	36.32342	36.30683
11971	M351T11_	1.157805	0.211392	0.418517	0.689427	0.873883	UP	350.9701	350.9696	350.971	10.91849	10.879
11972	M446T45_	1.21866	0.285296	0.415791	0.689671	0.873907	UP	446.2744	446.2743	446.2746	44.94033	44.66717
11973	M350T10_	1.11508	0.157147	0.429076	0.689761	0.873916	UP	349.5839	349.5837	349.5845	9.816133	9.699733
11974	M628T10_	1.120414	-0.16403	-0.42126	0.689764	0.873916	DOWN	627.7842	627.7833	627.7844	9.6413	9.52595
11975	M512T9_1	1.181291	0.240365	0.42212	0.689772	0.873917	UP	511.6765	511.6762	511.6774	9.443225	9.38595
11976	M643T10_	1.125219	0.170206	0.414517	0.690062	0.873945	UP	642.7105	642.71	642.7133	9.968092	9.840617
11977	M367T9_6	1.258733	0.331972	0.417297	0.690063	0.873945	UP	367.4897	367.4884	367.4899	9.095142	9.06855
11978	M218T11_	1.085038	-0.11775	-0.41462	0.690191	0.873957	DOWN	218.0379	218.0378	218.0381	10.89953	10.86008
11979	M556T11_	1.201106	0.264364	0.413376	0.690256	0.873964	UP	555.8675	555.8667	555.8697	10.8914	10.88995
11980	M687T15	1.07942	0.110257	0.414916	0.69039	0.873977	UP	687.4666	687.466	687.4671	15.16151	15.14642
11981	M195T10_	1.094788	-0.13065	-0.41788	0.690405	0.873978	DOWN	194.9782	194.978	194.9784	9.977442	9.8753
11982	M411T10_	1.155111	-0.20803	-0.41492	0.690435	0.873981	DOWN	411.3292	411.3289	411.3294	9.605975	9.547133
11983	M387T11_	1.152003	0.204145	0.416751	0.690443	0.873982	UP	387.297	387.2968	387.2973	10.8926	10.879
11984	M651T10_	1.070128	0.097784	0.412968	0.690524	0.87399	UP	650.8909	650.8883	650.8921	9.92375	9.8753
11985	M334T10_	1.126973	-0.17245	-0.41805	0.690546	0.873992	DOWN	334.2749	334.2677	334.2751	9.967367	9.840617
11986	M263T10_	1.073246	0.101981	0.415745	0.690687	0.874005	UP	262.6333	262.6332	262.6337	9.903017	9.65225
11987	M702T11_	1.07608	-0.10579	-0.41286	0.690695	0.874006	DOWN	702.4812	702.4775	702.4822	10.9049	10.879
11988	M159T7_1	1.135474	0.183295	0.415051	0.690951	0.874031	UP	158.9638	158.9637	158.964	6.60275	6.4126
11989	M212T9_1	1.269856	0.344665	0.412418	0.691088	0.874044	UP	212.2176	212.2164	212.2204	9.204617	9.0511
11990	M450T9_1	1.201437	-0.26476	-0.41318	0.691202	0.874055	DOWN	449.5624	449.5571	449.5659	9.39195	9.0839
11991	M388T10_	1.052978	-0.07448	-0.41534	0.691245	0.87406	DOWN	388.2518	388.2515	388.2521	9.954767	9.843367
11992	M621T18	1.060078	-0.08417	-0.4127	0.69139	0.874074	DOWN	621.4857	621.4853	621.486	18.01183	17.99367
11993	M504T10_	1.111225	0.152151	0.412836	0.691545	0.874089	UP	503.8648	503.864	503.8651	9.977025	9.859233
11994	M1151T9	1.224866	-0.29262	-0.41294	0.691677	0.874101	DOWN	1150.545	1150.544	1150.546	9.060817	9.031633
11995	M233T11_	1.104193	0.142993	0.414909	0.691721	0.874106	UP	233.1149	233.1141	233.115	11.3222	11.06705
11996	M841T10_	1.097301	-0.13396	-0.42174	0.691729	0.874106	DOWN	841.3688	841.3685	841.3691	10.10223	9.971833
11997	M848T10_	1.105978	0.145323	0.421792	0.691738	0.874107	UP	848.4913	848.4911	848.492	10.13878	10.02042
11998	M165T10_	1.080029	-0.11107	-0.41221	0.691768	0.87411	DOWN	165.2381	165.238	165.2439	9.946417	9.859233
11999	M635T10_	1.403685	0.48922	0.411094	0.691796	0.874113	UP	634.7858	634.7838	634.7866	9.95165	9.840617
12000	M1033T10	1.078674	-0.10926	-0.41149	0.6918	0.874113	DOWN	1032.81	1032.809	1032.812	9.827158	9.683817
12001	M245T23_	1.225162	0.292972	0.420141	0.691862	0.874119	UP	245.1509	245.1507	245.151	22.8135	22.537
12002	M756T10_	1.1806	0.23952	0.411161	0.691907	0.874124	UP	755.6618	755.6606	755.6623	9.951283	9.843367
12003	M336T10_	1.062789	0.087855	0.410927	0.692012	0.874134	UP	336.0853	336.0748	336.0857	9.831517	9.7124
12004	M327T43_	1.061612	0.086256	0.417418	0.692109	0.874143	UP	327.2164	327.2163	327.2164	43.0855	42.8555

12005	M471T10_	1.109745	0.150228	0.423058	0.692111	0.874143	UP	470.5266	470.5261	470.5271	9.904767	9.729367
12006	M578T43_	1.083739	0.116017	0.424306	0.692121	0.874144	UP	578.3169	578.3165	578.317	42.95617	42.85533
12007	M318T9_1	1.417907	-0.50376	-0.41668	0.692314	0.874163	DOWN	318.0626	318.0625	318.0628	9.333667	9.26575
12008	M1767T10	1.079967	0.110987	0.413191	0.692425	0.874174	UP	1766.589	1766.588	1766.59	9.842	9.73145
12009	M390T10_	1.100513	-0.13818	-0.41031	0.692429	0.874174	DOWN	389.5523	389.5521	389.5525	9.886733	9.779267
12010	M1573T24	1.036786	0.052118	-0.4113	0.692545	0.874185	UP	1573.122	1573.118	1573.126	24.11067	24.00833
12011	M320T10_	1.065536	-0.09158	-0.41655	0.69262	0.874192	DOWN	320.4793	320.4791	320.4796	9.8207	9.699733
12012	M204T9_1	1.064846	-0.09064	-0.40992	0.692753	0.874205	DOWN	203.6101	203.61	203.6104	9.280992	9.129317
12013	M371T10_	1.163559	-0.21854	-0.41018	0.692869	0.874216	DOWN	370.6446	370.6439	370.6452	9.92825	9.811217
12014	M200T9_2	1.13301	0.18016	0.409828	0.692958	0.874225	UP	200.3466	200.346	200.3469	9.153992	9.1175
12015	M718T9_1	1.093993	-0.1296	-0.412	0.693086	0.874237	DOWN	717.959	717.9576	717.9597	8.868383	8.77435
12016	M385T27	1.081367	0.112857	0.409242	0.6931	0.874239	UP	385.35	385.3496	385.3503	26.83892	26.81267
12017	M284T9_7	1.185703	-0.24574	-0.41315	0.693107	0.874239	DOWN	284.2411	284.2407	284.2414	9.348233	9.234417
12018	M1167T10	1.134407	-0.18194	-0.40959	0.693184	0.874247	DOWN	1166.852	1166.851	1166.854	9.962617	9.859233
12019	M240T9	1.13706	-0.18531	-0.40946	0.693222	0.87425	DOWN	240.3734	240.3732	240.3737	9.055958	9.046783
12020	M236T11_	1.14963	0.201169	0.409515	0.693368	0.874264	UP	236.2457	236.2454	236.246	10.93708	10.87765
12021	M332T10_	1.091387	0.126162	0.418895	0.693369	0.874265	UP	332.4213	332.421	332.4216	9.823575	9.699733
12022	M562T37	1.128077	-0.17387	-0.41967	0.69343	0.87427	DOWN	562.322	562.3216	562.3223	36.74083	36.48183
12023	M556T30	1.111701	-0.15277	-0.40877	0.693435	0.874271	DOWN	556.4132	556.4125	556.4139	30.2805	30.2405
12024	M461T28	1.039138	-0.05539	-0.41009	0.69347	0.874274	DOWN	461.3732	461.3729	461.3733	28.244	28.2
12025	M684T10_	1.1298	0.176067	0.408695	0.693485	0.874276	UP	684.4494	684.4487	684.4518	9.81635	9.73145
12026	M782T11_	1.105172	0.144271	0.408829	0.693588	0.874286	UP	782.047	782.0463	782.0482	10.8926	10.873
12027	M431T9_7	1.401596	0.48707	0.418099	0.693593	0.874286	UP	431.0506	431.0502	431.0543	9.1587	9.089733
12028	M275T10_	1.057857	-0.08114	-0.40872	0.693622	0.874289	DOWN	274.714	274.7135	274.7141	9.979342	9.8753
12029	M570T9_1	1.082463	-0.11432	-0.41277	0.693675	0.874294	DOWN	570.3168	570.3161	570.3171	9.1531	9.126783
12030	M783T10_	1.089987	-0.12431	-0.40863	0.69374	0.8743	DOWN	782.6764	782.6756	782.6782	9.960817	9.816167
12031	M750T10_	1.042389	-0.05989	-0.42006	0.693748	0.874301	DOWN	749.7813	749.7784	749.7824	9.830783	9.715683
12032	M375T9_2	1.116495	0.158977	0.418789	0.694081	0.874333	UP	374.7324	374.732	374.7328	9.172008	9.048117
12033	M362T9_1	1.143715	0.193727	0.408813	0.694129	0.874338	UP	361.8735	361.8719	361.8781	9.238283	9.07145
12034	M345T10_	1.145112	-0.19549	-0.41278	0.694142	0.874339	DOWN	344.7118	344.7116	344.7121	9.994767	9.8914
12035	M660T10_	1.116261	-0.15867	-0.41826	0.694283	0.874352	DOWN	660.2874	660.2867	660.288	9.857683	9.73145
12036	M309T10_	1.104759	0.143732	0.408235	0.694313	0.874355	UP	308.672	308.6718	308.6725	9.951283	9.853533
12037	M402T10_	1.090519	-0.12502	-0.4079	0.69432	0.874356	DOWN	401.8019	401.8015	401.8021	9.9847	9.8753
12038	M394T9_1	1.322018	0.402742	0.418508	0.694332	0.874357	UP	393.5537	393.5461	393.5555	9.197983	9.106183
12039	M535T27_	1.256576	0.329498	0.407588	0.69438	0.874362	UP	535.058	535.0575	535.0587	26.78067	26.72333



12040	M876T10_	1.114625	0.156558	0.407845	0.694409	0.874364	UP	876.4888	876.4859	876.489	10.37908	10.3771
12041	M381T9_5	1.201554	-0.2649	-0.40868	0.694426	0.874366	DOWN	380.6602	380.6544	380.6631	9.168108	9.126783
12042	M431T11_	1.077519	-0.10771	-0.40795	0.69444	0.874367	DOWN	431.0174	431.0168	431.0183	10.91265	10.879
12043	M407T11_	1.163443	-0.2184	-0.40751	0.694706	0.874393	DOWN	407.4874	407.4859	407.4908	10.90197	10.83417
12044	M453T10_	1.109099	-0.14939	-0.4114	0.694782	0.8744	DOWN	452.5747	452.5742	452.5752	9.75805	9.636483
12045	M923T10_	1.110477	0.151179	0.4165	0.694857	0.874407	UP	922.9272	922.9265	922.9277	9.944392	9.827283
12046	M572T30	1.072025	-0.10034	-0.41027	0.694859	0.874408	DOWN	572.4365	572.436	572.4366	30.28092	30.266
12047	M313T10_	1.085125	-0.11786	-0.40847	0.694891	0.874411	DOWN	312.7286	312.7284	312.7292	9.501692	9.40135
12048	M397T12_	1.081504	-0.11304	-0.40963	0.695196	0.87444	DOWN	397.0916	397.0914	397.0921	12.48563	12.441
12049	M392T11_	1.041052	0.058042	0.406741	0.695198	0.87444	UP	392.3271	392.327	392.3275	10.5469	10.52015
12050	M400T9_6	1.136775	-0.18495	-0.40919	0.695207	0.874441	DOWN	400.1769	400.1765	400.1769	8.955933	8.922033
12051	M165T9_1	1.101228	-0.13911	-0.40653	0.695228	0.874443	DOWN	164.6261	164.6255	164.6267	9.37735	9.129317
12052	M550T10_	1.074048	-0.10306	-0.41367	0.69526	0.874446	DOWN	550.4411	550.4408	550.4414	9.999	9.8914
12053	M1360T10_	1.16608	-0.22167	-0.41548	0.695302	0.87445	DOWN	1359.703	1359.7	1359.709	9.918242	9.822117
12054	M1023T10_	1.229562	0.298144	0.408743	0.695355	0.874455	UP	1022.866	1022.865	1022.866	9.946367	9.843367
12055	M578T40_	1.107584	0.147416	0.411927	0.695362	0.874456	UP	578.3169	578.3167	578.3174	40.35217	40.079
12056	M594T32	1.18602	0.246128	0.414986	0.695464	0.874466	UP	594.4151	594.4146	594.4153	31.85425	31.84017
12057	M323T10_	1.082491	-0.11436	-0.41332	0.695545	0.874473	DOWN	322.8919	322.8917	322.892	9.903017	9.827283
12058	M419T9_3	1.165128	0.220489	0.405978	0.69557	0.874476	UP	418.6885	418.6864	418.6914	9.388367	9.224517
12059	M669T9_2	1.167265	0.223132	0.407085	0.695611	0.87448	UP	668.954	668.9531	668.9547	8.719033	8.696033
12060	M292T11_	1.1307	0.177216	0.410662	0.695623	0.874481	UP	291.6598	291.6596	291.6602	10.8906	10.8646
12061	M394T9_9	1.135613	0.183472	0.407865	0.695641	0.874482	UP	394.2536	394.252	394.2546	9.220933	9.129317
12062	M559T23_	1.115714	-0.15797	-0.41443	0.695758	0.874494	DOWN	558.8865	558.8861	558.8867	22.71983	22.69817
12063	M286T10_	1.079402	-0.11023	-0.40619	0.695762	0.874494	DOWN	286.3718	286.3717	286.372	9.968992	9.859233
12064	M368T10_	1.163105	-0.21798	-0.40566	0.695784	0.874496	DOWN	368.1151	368.114	368.125	9.836042	9.728083
12065	M602T10_	1.079417	0.110253	0.407632	0.695804	0.874498	UP	602.3898	602.3893	602.3903	10.0614	9.939683
12066	M222T9_2	1.281259	-0.35756	-0.40699	0.695848	0.874502	DOWN	221.5301	221.5294	221.5315	9.29075	9.277967
12067	M396T20_	1.068654	-0.0958	-0.40867	0.695956	0.874513	DOWN	396.1374	396.1372	396.1377	20.245	20.23017
12068	M210T11_	1.070038	0.097662	0.407457	0.696013	0.874518	UP	210.4996	210.4995	210.4997	10.89875	10.879
12069	M330T29_	1.197846	-0.26044	-0.40747	0.696038	0.87452	DOWN	330.2491	330.2489	330.2492	28.82383	28.79767
12070	M547T9_3	1.150752	-0.20258	-0.40725	0.69609	0.874525	DOWN	546.8267	546.8256	546.8363	9.390083	9.111033
12071	M414T14	1.08992	0.124222	0.405014	0.696171	0.874533	UP	414.2848	414.2842	414.2857	13.56563	13.53637
12072	M369T10_	1.057798	-0.08106	-0.40549	0.696182	0.874534	DOWN	368.6383	368.6379	368.6393	9.902008	9.79535
12073	M481T9_5	1.138983	-0.18775	-0.40497	0.696184	0.874534	DOWN	480.8033	480.8029	480.8041	9.29565	9.219483
12074	M726T10_	1.082599	0.114499	0.405006	0.696253	0.874541	UP	726.1661	726.1652	726.1668	9.9351	9.827283

12075	M1958T10	1.152805	0.205148	0.406702	0.696255	0.874541	UP	1958.373	1958.371	1958.375	9.830283	9.715683
12076	M295T11_	1.119079	-0.16231	-0.40707	0.696261	0.874542	DOWN	294.6107	294.6101	294.6112	10.91881	10.88995
12077	M518T44_	1.135489	0.183313	0.406146	0.696272	0.874543	UP	518.2956	518.2954	518.296	44.41867	44.19267
12078	M753T11_	1.118867	0.162039	0.405302	0.696274	0.874543	UP	752.978	752.9771	752.9785	10.892	10.85838
12079	M1110T10	1.067964	-0.09486	-0.40477	0.69628	0.874544	DOWN	1109.811	1109.809	1109.812	9.843883	9.683817
12080	M411T7_1	1.240705	0.31116	0.406611	0.696321	0.874547	UP	410.8556	410.8554	410.8557	6.6237	6.587767
12081	M393T10_	1.108215	-0.14824	-0.41121	0.696528	0.874567	DOWN	393.2485	393.2483	393.2486	9.956417	9.843367
12082	M237T41	1.147175	0.198085	0.419145	0.696562	0.87457	UP	237.1847	237.1845	237.1848	40.77658	40.755
12083	M697T9_6	1.172436	-0.22951	-0.4113	0.69658	0.874572	DOWN	697.3614	697.3591	697.3631	9.374525	9.279417
12084	M578T10_	1.133004	-0.18015	-0.40428	0.696649	0.874579	DOWN	577.6312	577.6308	577.6316	9.981567	9.859233
12085	M547T10_	1.111967	-0.15311	-0.40527	0.69674	0.874587	DOWN	546.8808	546.8807	546.881	9.9551	9.843367
12086	M205T10_	1.059956	-0.084	-0.4071	0.696782	0.874591	DOWN	205.3443	205.3443	205.3444	9.8207	9.699733
12087	M426T11_	1.069305	0.096673	0.405387	0.696815	0.874595	UP	426.3458	426.3455	426.346	10.892	10.879
12088	M225T42_	1.083763	-0.11605	-0.41706	0.696838	0.874597	DOWN	225.1119	225.1117	225.1119	42.42383	42.323
12089	M222T10_	1.150853	0.202704	0.404246	0.696879	0.874601	UP	221.6199	221.6196	221.62	9.964092	9.8753
12090	M400T11_	1.074794	-0.10406	-0.40385	0.696999	0.874612	DOWN	400.2635	400.2634	400.2639	10.892	10.879
12091	M562T10_	1.102989	-0.14142	-0.40352	0.69714	0.874626	DOWN	562.3431	562.3424	562.3511	9.655475	9.478833
12092	M452T10_	1.039308	-0.05562	-0.40532	0.697179	0.874629	DOWN	451.666	451.6656	451.6662	9.933567	9.827283
12093	M238T11_	1.091226	0.125951	0.406133	0.69718	0.874629	UP	237.9472	237.9366	237.9474	10.8926	10.879
12094	M644T36	1.206536	-0.27087	-0.40372	0.697222	0.874633	DOWN	644.4942	644.494	644.4949	35.8505	35.83683
12095	M333T30	1.102629	-0.14095	-0.40437	0.697287	0.87464	DOWN	333.319	333.3189	333.3192	29.50858	29.48917
12096	M259T10_	1.087861	-0.12149	-0.40401	0.697322	0.874643	DOWN	259.4124	259.4121	259.4124	9.915933	9.811217
12097	M377T9_6	1.09803	0.134917	0.403485	0.697357	0.874646	UP	377.1039	377.1006	377.1076	9.320483	9.202433
12098	M532T40_	1.051079	0.071872	0.405261	0.697371	0.874648	UP	532.3114	532.3111	532.3116	39.97817	39.83417
12099	M636T11_	1.058807	-0.08244	-0.40548	0.697524	0.874662	DOWN	635.7135	635.7129	635.7148	10.87704	10.85018
12100	M236T9_8	1.3339	0.41565	0.411976	0.697564	0.874666	UP	236.1807	236.1804	236.1808	8.941217	8.878667
12101	M562T45_	1.046635	-0.06576	-0.40607	0.697661	0.874675	DOWN	562.322	562.3217	562.3221	44.66017	44.59533
12102	M680T10_	1.341478	0.423823	0.41421	0.697691	0.874678	UP	679.5653	679.5566	679.57	9.8902	9.73145
12103	M428T19_	1.120457	0.164087	0.405578	0.697723	0.874681	UP	428.1518	428.1515	428.1524	19.15458	19.0995
12104	M1562T10	1.253615	0.326095	0.407676	0.697747	0.874683	UP	1562.222	1562.222	1562.222	9.903567	9.874067
12105	M262T11	1.140026	-0.18907	-0.40741	0.697791	0.874687	DOWN	262.4256	262.4254	262.426	10.91674	10.88747
12106	M410T10_	1.048211	-0.06793	-0.40821	0.697874	0.874695	DOWN	409.7644	409.764	409.7646	9.917167	9.811217
12107	M254T9_3	1.097904	-0.13475	-0.40274	0.697937	0.874701	DOWN	254.1345	254.1344	254.1346	9.3907	9.12675
12108	M472T25_	1.196673	-0.25903	-0.4027	0.698017	0.874709	DOWN	472.0888	472.0885	472.0892	25.26683	25.17267
12109	M478T43_	1.136121	-0.18412	-0.40798	0.698049	0.874712	DOWN	478.3006	478.3004	478.3008	42.582	42.42383

12110	M273T10_	1.114782	0.156762	0.402257	0.698187	0.874725	UP	272.9165	272.9163	272.9167	9.958617	9.843367
12111	M331T29_	1.20607	-0.27031	-0.40312	0.698195	0.874726	DOWN	331.0016	331.0014	331.0019	28.82117	28.79
12112	M445T10_	1.095884	-0.13209	-0.40752	0.698214	0.874728	DOWN	444.6414	444.641	444.6417	9.960817	9.859233
12113	M680T40_	1.140884	-0.19015	-0.4141	0.698267	0.874733	DOWN	680.3856	680.3855	680.3859	39.604	39.44583
12114	M372T12	1.109532	0.149951	0.405368	0.698276	0.874734	UP	372.1496	372.1494	372.1498	11.6717	11.66018
12115	M719T28	1.100614	-0.13831	-0.40822	0.69831	0.874737	DOWN	719.4982	719.4975	719.499	28.237	28.2
12116	M767T10	1.277612	0.35345	0.407653	0.698406	0.874746	UP	766.6172	766.616	766.6182	10.42565	10.39197
12117	M221T30_	1.334727	0.416544	0.401817	0.698422	0.874747	UP	221.129	221.1278	221.1371	29.77617	29.7615
12118	M320T17	1.073837	-0.10277	-0.40177	0.698456	0.874751	DOWN	320.2217	320.2216	320.2219	16.66558	16.63667
12119	M753T10_	1.108188	0.148202	0.402169	0.698591	0.874764	UP	753.1551	753.154	753.1555	9.958617	9.843367
12120	M542T11_	1.098989	-0.13618	-0.40659	0.698607	0.874765	DOWN	542.0045	542.0034	542.005	10.57938	10.55068
12121	M230T10_	1.103671	0.14231	0.410404	0.698656	0.87477	UP	230.4358	230.4356	230.436	9.944392	9.827283
12122	M869T25	1.146871	-0.1977	-0.40439	0.698679	0.874772	DOWN	868.5973	868.5945	868.5989	25.38258	25.36617
12123	M518T40	1.168632	-0.22482	-0.40919	0.698752	0.874779	DOWN	518.2956	518.2953	518.2958	40.381	40.02133
12124	M219T9_9	1.162034	-0.21665	-0.40132	0.698805	0.874784	DOWN	219.1551	219.1534	219.156	9.278717	9.132267
12125	M354T11_	1.075466	0.104962	0.408339	0.698822	0.874785	UP	353.7552	353.7548	353.7554	10.90519	10.877
12126	M260T9_8	1.157485	-0.21099	-0.40118	0.698838	0.874787	DOWN	260.2059	260.2057	260.2062	9.333433	9.275917
12127	M311T11_	1.073114	0.101803	0.401677	0.69893	0.874796	UP	310.6879	310.6871	310.6883	10.90785	10.87572
12128	M1678T10	1.102113	-0.14027	-0.40094	0.698982	0.874801	DOWN	1677.832	1677.831	1677.836	9.81635	9.699733
12129	M762T9_1	1.070037	0.09766	0.404324	0.698989	0.874801	UP	761.6653	761.6633	761.6659	9.484417	9.40135
12130	M257T10_	1.113057	0.154527	0.401565	0.699055	0.874808	UP	256.5521	256.5518	256.5524	9.95385	9.843367
12131	M511T10_	1.104909	-0.14393	-0.40126	0.699056	0.874808	DOWN	511.4791	511.4789	511.4793	9.968992	9.8753
12132	M1683T10	1.102196	0.14038	0.401202	0.699083	0.87481	UP	1683.388	1683.385	1683.389	9.9754	9.8753
12133	M194T10_	1.117906	-0.1608	-0.40297	0.699089	0.874811	DOWN	194.0072	194.0006	194.0138	9.8161	9.416817
12134	M829T11	1.151969	0.204102	0.407749	0.699132	0.874815	UP	828.6422	828.6401	828.6445	10.8926	10.87487
12135	M660T10_	1.042739	0.060379	0.413454	0.699142	0.874816	UP	660.4594	660.4588	660.4613	9.8397	9.715683
12136	M355T44_	1.157626	-0.21117	-0.40816	0.699156	0.874817	DOWN	355.2114	355.2112	355.2115	44.29367	44.049
12137	M753T11_	1.093411	-0.12884	-0.41046	0.699179	0.874819	DOWN	752.5954	752.5936	752.596	10.91897	10.88995
12138	M385T9_8	1.058506	-0.08203	-0.40057	0.699224	0.874824	DOWN	385.2219	385.2195	385.2224	9.311167	9.129317
12139	M384T9_3	1.075798	0.105407	0.4009	0.699244	0.874825	UP	384.0836	384.0827	384.084	9.008317	8.878667
12140	M467T10_	1.124148	-0.16883	-0.40359	0.699415	0.874842	DOWN	466.9762	466.9761	466.9771	9.816208	9.683817
12141	M273T10_	1.055103	-0.07738	-0.40311	0.699513	0.874851	DOWN	273.373	273.3725	273.3736	9.944392	9.843367
12142	M507T10_	1.088662	-0.12256	-0.40004	0.69961	0.874861	DOWN	506.6747	506.6737	506.6801	9.955442	9.746783
12143	M379T11_	1.091803	0.126713	0.400841	0.69985	0.874884	UP	379.2496	379.2494	379.256	10.9049	10.879
12144	M231T11	1.138579	-0.18723	-0.39963	0.699888	0.874888	DOWN	231.1692	231.1691	231.1694	10.83112	10.8214

12145	M282T10_	1.143344	-0.19326	-0.40085	0.700008	0.874899	DOWN	281.5493	281.549	281.5496	9.967533	9.8914
12146	M355T37	1.094222	0.129906	0.400871	0.700072	0.874905	UP	355.2114	355.2112	355.2117	37.34517	36.96283
12147	M385T10_	1.066904	0.093431	0.399318	0.700119	0.87491	UP	385.0463	385.046	385.0467	9.972917	9.859233
12148	M394T34_	1.103442	0.142011	0.400698	0.700122	0.87491	UP	394.3162	394.3153	394.3167	33.79483	33.74467
12149	M488T39	1.081919	-0.11359	-0.4135	0.700144	0.874912	DOWN	488.2849	488.2849	488.2854	38.856	38.82717
12150	M440T22_	1.141554	-0.191	-0.40174	0.700259	0.874923	DOWN	440.3072	440.306	440.3077	21.63717	21.60833
12151	M730T10_	1.062141	-0.08698	-0.40214	0.700266	0.874924	DOWN	730.4094	730.4089	730.4105	10.31875	10.2501
12152	M344T11_	1.080761	-0.11205	-0.40225	0.700339	0.874931	DOWN	344.0473	344.047	344.0477	10.89907	10.85018
12153	M445T11_	1.110644	0.151396	0.399784	0.70035	0.874932	UP	444.8271	444.826	444.8279	10.91086	10.877
12154	M215T11_	1.108263	0.1483	0.398798	0.700561	0.874952	UP	215.1626	215.1626	215.1627	10.8914	10.88995
12155	M550T10_	1.069716	-0.09723	-0.40662	0.700655	0.874961	DOWN	549.7442	549.7436	549.7447	9.972483	9.8753
12156	M250T10_	1.124413	-0.16917	-0.3999	0.700687	0.874965	DOWN	250.0947	250.0944	250.0948	9.943183	9.827283
12157	M612T9_1	1.152826	-0.20517	-0.40126	0.700972	0.874992	DOWN	611.7072	611.7001	611.7081	9.17485	9.09495
12158	M256T10_	1.107886	0.147809	0.398974	0.701098	0.875004	UP	255.8348	255.8345	255.8351	9.948875	9.843367
12159	M332T9_7	1.193251	-0.2549	-0.39792	0.701098	0.875004	DOWN	332.1446	332.1444	332.1448	9.360867	9.250817
12160	M433T9_2	1.084724	0.117327	0.406138	0.701107	0.875005	UP	432.7216	432.7196	432.7244	9.264333	9.166033
12161	M659T10_	1.019674	-0.02811	-0.40093	0.701183	0.875012	DOWN	658.5884	658.5879	658.5905	9.8397	9.715683
12162	M1064T10	1.073007	0.10166	0.400895	0.701239	0.875018	UP	1064.368	1064.366	1064.37	9.766367	9.65225
12163	M476T10_	1.024841	-0.0354	-0.40046	0.701266	0.87502	DOWN	475.9117	475.9115	475.9121	9.847133	9.73145
12164	M423T10_	1.11665	-0.15918	-0.39945	0.70129	0.875023	DOWN	422.5818	422.5815	422.5821	9.948875	9.843367
12165	M471T9_9	1.074214	0.103282	0.401287	0.701338	0.875027	UP	471.3601	471.3597	471.3603	9.397575	9.219483
12166	M228T23_	1.061919	-0.08667	-0.40346	0.701348	0.875028	DOWN	228.2035	228.2034	228.2036	23.02325	23.00133
12167	M553T34	1.098322	-0.1353	-0.39831	0.7014	0.875033	DOWN	553.394	553.3929	553.3946	33.6725	33.64383
12168	M919T10_	1.135642	-0.18351	-0.39817	0.701419	0.875035	DOWN	918.8979	918.8962	918.8989	9.9351	9.903017
12169	M632T11_	1.09803	-0.13492	-0.40016	0.701458	0.875039	DOWN	631.7025	631.7018	631.7031	10.91265	10.87765
12170	M603T23	1.071485	-0.09961	-0.40096	0.701665	0.875059	DOWN	603.4145	603.414	603.415	22.74217	22.69817
12171	M220T9_5	1.234641	0.304092	0.397382	0.701792	0.875071	UP	219.8064	219.8011	219.8079	9.383775	9.20785
12172	M717T10_	1.054251	-0.07622	-0.39788	0.701805	0.875072	DOWN	716.5129	716.5125	716.5134	10.1384	10.05268
12173	M509T10_	1.084146	-0.11656	-0.3998	0.701812	0.875073	DOWN	509.4695	509.4694	509.4702	9.849558	9.73145
12174	M203T10_	1.051519	-0.07248	-0.39941	0.701826	0.875074	DOWN	202.7364	202.7362	202.7365	9.979342	9.8753
12175	M411T9_5	1.120636	-0.16432	-0.40167	0.701871	0.875078	DOWN	411.1704	411.1688	411.1717	9.273908	9.11405
12176	M790T11_	1.065584	-0.09164	-0.39774	0.701994	0.87509	DOWN	789.7858	789.7855	789.7879	10.892	10.879
12177	M232T11_	1.139768	0.18874	0.400754	0.702101	0.8751	UP	231.5275	231.5272	231.5275	10.83417	10.8214
12178	M457T10_	1.067783	-0.09462	-0.39649	0.702151	0.875105	DOWN	457.169	457.1684	457.1696	9.5876	9.46325
12179	M364T11_	1.174299	0.2318	0.40165	0.702182	0.875108	UP	363.7619	363.7613	363.766	11.02038	10.87765

12180	M421T11_	1.056083	-0.07872	-0.39649	0.702226	0.875112	DOWN	420.5718	420.5717	420.5727	10.89875	10.8646
12181	M450T39_	1.059294	-0.0831	-0.40246	0.702228	0.875113	DOWN	450.2333	450.2328	450.2334	38.91367	38.76967
12182	M323T10_	1.396738	0.482061	0.397615	0.702248	0.875115	UP	323.2203	323.22	323.2205	9.990767	9.8914
12183	M811T10_	1.120608	-0.16428	-0.40266	0.702255	0.875115	DOWN	811.4385	811.438	811.4388	9.964092	9.859233
12184	M184T9_5	1.177956	0.236286	0.396724	0.70248	0.875137	UP	183.9308	183.9301	183.931	9.174917	9.11795
12185	M453T9_1	1.0802	-0.1113	-0.39752	0.702525	0.875141	DOWN	453.3416	453.3413	453.3428	9.304717	8.9997
12186	M1834T10	1.079819	-0.11079	-0.39667	0.702875	0.875175	DOWN	1834.037	1834.034	1834.04	9.970617	9.859233
12187	M351T10_	1.024667	-0.03516	-0.4085	0.70294	0.875181	DOWN	350.8782	350.8781	350.879	9.830083	9.479567
12188	M359T10_	1.143091	0.192941	0.39761	0.70299	0.875186	UP	358.6365	358.636	358.6375	9.973467	9.843367
12189	M324T10_	1.067607	0.09438	0.408606	0.703047	0.875191	UP	324.0683	324.0681	324.0689	9.857983	9.743667
12190	M349T10_	1.025423	-0.03622	-0.4044	0.703084	0.875195	DOWN	349.3831	349.383	349.3832	9.8397	9.73145
12191	M528T23_	1.095771	0.131947	0.395114	0.703088	0.875195	UP	527.8575	527.8572	527.8581	22.66883	22.62767
12192	M395T23	1.175508	-0.23328	-0.39676	0.703166	0.875202	DOWN	395.0726	395.0722	395.0728	23.18917	23.11817
12193	M560T20	1.090489	-0.12497	-0.40043	0.703255	0.875211	DOWN	560.4094	560.4092	560.4104	19.984	19.9555
12194	M224T23	1.041552	0.058735	0.395078	0.703312	0.875216	UP	224.1723	224.1722	224.1725	22.81375	22.79883
12195	M658T34	1.075749	-0.10534	-0.39548	0.703332	0.875218	DOWN	658.4736	658.4731	658.4738	33.5425	33.52817
12196	M1885T10	1.070217	-0.0979	-0.3952	0.703334	0.875219	DOWN	1884.898	1884.895	1884.899	9.8374	9.7124
12197	M929T10_	1.065964	0.092159	0.399314	0.703341	0.875219	UP	929.1031	929.1014	929.1033	9.94785	9.827283
12198	M592T10_	1.086273	0.119386	0.394841	0.703417	0.875226	UP	591.5119	591.5108	591.512	9.9847	9.8914
12199	M897T10_	1.135267	0.183031	0.397709	0.70353	0.875237	UP	897.4971	897.4958	897.4974	10.42863	10.40882
12200	M171T9_4	1.219633	-0.28645	-0.3948	0.703662	0.87525	DOWN	171.3365	171.3361	171.3371	9.275917	9.219483
12201	M418T9_7	1.153654	-0.20621	-0.39586	0.70375	0.875258	DOWN	418.1139	418.1133	418.1143	9.3771	9.24215
12202	M234T10_	1.115108	-0.15718	-0.39845	0.703751	0.875258	DOWN	234.4551	234.4549	234.4554	9.975217	9.869467
12203	M500T11_	1.078368	-0.10885	-0.39427	0.703855	0.875268	DOWN	499.8298	499.8281	499.8307	10.892	10.879
12204	M1936T10	1.090464	-0.12494	-0.40178	0.703897	0.875272	DOWN	1936.371	1936.369	1936.378	9.8348	9.715683
12205	M171T11_	1.062313	-0.08721	-0.3941	0.703962	0.875278	DOWN	171.0943	171.0942	171.0944	10.89875	10.879
12206	M399T42	1.058214	0.081632	0.395157	0.704044	0.875286	UP	399.2374	399.237	399.2374	41.9635	41.93333
12207	M411T10_	1.047101	-0.0664	-0.39847	0.70405	0.875287	DOWN	410.7041	410.7038	410.7043	9.917167	9.811217
12208	M402T11_	1.186785	-0.24706	-0.39369	0.70423	0.875304	DOWN	401.6583	401.6523	401.6659	10.92308	10.87765
12209	M482T29	1.074089	-0.10311	-0.39346	0.704258	0.875307	DOWN	481.8726	481.8722	481.8736	28.61392	28.546
12210	M410T11_	1.04502	-0.06353	-0.39354	0.704299	0.875311	DOWN	409.5455	409.5448	409.546	10.90551	10.879
12211	M854T10_	1.11134	-0.1523	-0.3948	0.70431	0.875312	DOWN	853.9722	853.9719	853.9738	10.38817	10.32952
12212	M304T9_3	1.115153	-0.15724	-0.39371	0.704399	0.87532	DOWN	304.4023	304.4015	304.4034	8.92085	8.7575
12213	M441T29_	1.19994	-0.26296	-0.39522	0.704589	0.875338	DOWN	440.9994	440.9989	440.9996	28.81783	28.8065
12214	M1221T10	1.224986	0.292765	0.395538	0.70462	0.875341	UP	1220.991	1220.989	1220.992	9.968992	9.960967

12215	M343T24	1.114014	-0.15577	-0.39464	0.704683	0.875347	DOWN	343.3316	343.331	343.3318	23.50083	23.47933
12216	M294T9_5	1.08309	-0.11515	-0.39335	0.704742	0.875353	DOWN	294.0599	294.0595	294.06	9.275917	9.234417
12217	M395T24_	1.155612	-0.20866	-0.39268	0.704849	0.875363	DOWN	394.7881	394.7877	394.7885	24.10058	24.07233
12218	M520T9_6	1.534381	-0.61766	-0.40286	0.705127	0.87539	DOWN	520.2753	520.275	520.2756	8.806892	8.730433
12219	M560T11_	1.080052	-0.1111	-0.39233	0.705196	0.875396	DOWN	560.2598	560.2594	560.2612	10.90373	10.879
12220	M720T10_	1.120023	0.163529	0.394513	0.705243	0.875401	UP	719.5639	719.5632	719.5658	9.979342	9.859233
12221	M478T39_	1.053285	-0.0749	-0.39846	0.705384	0.875414	DOWN	478.3007	478.3005	478.3009	39.22983	39.18683
12222	M639T10_	1.262865	-0.3367	-0.39251	0.705424	0.875418	DOWN	639.4064	639.4054	639.4101	9.8207	9.699733
12223	M172T10_	1.135046	0.182751	0.393729	0.705481	0.875423	UP	171.6908	171.6907	171.6909	9.951283	9.843367
12224	M610T25	1.056582	0.079405	0.394072	0.70554	0.875429	UP	610.3947	610.3944	610.3954	24.85567	24.83617
12225	M352T10_	1.027727	-0.03946	-0.40272	0.705572	0.875432	DOWN	352.1249	352.1247	352.1251	9.82645	9.728083
12226	M387T10_	1.049541	-0.06976	-0.39455	0.70564	0.875438	DOWN	387.2486	387.2482	387.2488	9.954767	9.843367
12227	M548T9_7	1.159786	0.213858	0.397332	0.705688	0.875443	UP	548.3376	548.3372	548.3382	9.146383	9.11405
12228	M888T11_	1.119786	-0.16322	-0.393	0.705695	0.875444	DOWN	887.9883	887.9877	887.9898	10.8914	10.86008
12229	M506T10_	1.072104	-0.10045	-0.39234	0.705725	0.875446	DOWN	505.9974	505.9969	505.9976	9.972917	9.859233
12230	M469T21	1.063221	0.088441	0.391787	0.705757	0.875449	UP	469.3267	469.3263	469.3268	21.09358	21.07
12231	M244T11_	1.139128	0.187929	0.401014	0.705846	0.875458	UP	244.227	244.2266	244.2274	11.36835	11.33537
12232	M1618T11	1.076023	-0.10571	-0.39506	0.70591	0.875464	DOWN	1618.491	1618.49	1618.493	10.89125	10.8646
12233	M1048T10_	1.087963	-0.12163	-0.39323	0.705991	0.875472	DOWN	1047.729	1047.728	1047.731	9.946367	9.8753
12234	M900T10_	1.077597	-0.10782	-0.39571	0.705994	0.875472	DOWN	899.837	899.8366	899.8378	9.945258	9.827283
12235	M508T41_	1.167499	0.223421	0.394522	0.706	0.875472	UP	508.3111	508.311	508.3114	40.83425	40.66883
12236	M770T9_1	1.081132	-0.11254	-0.39276	0.706033	0.875476	DOWN	769.5405	769.5397	769.5411	8.632533	8.54835
12237	M640T19	1.066554	0.092957	0.395591	0.706113	0.875483	UP	640.3181	640.3172	640.319	19.431	19.386
12238	M583T9_5	1.200662	0.26383	0.39097	0.706143	0.875486	UP	582.8735	582.8698	582.8765	9.227808	9.09495
12239	M862T11_	1.103717	-0.14237	-0.39761	0.706192	0.875491	DOWN	861.9877	861.9869	861.9881	10.7249	10.7046
12240	M565T9_2	1.064425	-0.09007	-0.39206	0.706227	0.875494	DOWN	565.3619	565.3616	565.3621	9.213908	9.095133
12241	M417T12_	1.097731	-0.13452	-0.3945	0.706338	0.875505	DOWN	417.3348	417.3341	417.3352	11.74397	11.70755
12242	M617T10_	1.103627	0.142252	0.394787	0.706359	0.875507	UP	617.2263	617.2257	617.2266	9.98155	9.8914
12243	M195T10_	1.125462	-0.17052	-0.39073	0.7064	0.87551	DOWN	194.8243	194.8242	194.8243	9.999	9.986767
12244	M369T11_	1.061089	-0.08555	-0.39046	0.706494	0.875519	DOWN	368.8627	368.8625	368.8629	10.89875	10.879
12245	M212T12_	1.101409	0.13935	0.401136	0.706502	0.87552	UP	212.1643	212.1642	212.1644	12.22349	12.19358
12246	M652T10_	1.142757	0.192519	0.390842	0.706581	0.875528	UP	651.6554	651.655	651.6555	9.958442	9.843367
12247	M742T9_2	1.182783	0.242185	0.394097	0.706622	0.875532	UP	741.9373	741.9329	741.9386	9.32955	9.234417
12248	M652T11_	1.088477	-0.12231	-0.39043	0.706678	0.875537	DOWN	651.8239	651.8228	651.8246	10.89904	10.85838
12249	M791T11_	1.129994	-0.17631	-0.39283	0.706731	0.875542	DOWN	791.3775	791.3766	791.3779	10.91987	10.90197

12250	M299T28	1.211772	-0.27712	-0.39008	0.706742	0.875543	DOWN	299.1613	299.1613	299.1618	27.96008	27.92233
12251	M485T11_	1.114369	-0.15623	-0.39136	0.706841	0.875552	DOWN	484.9366	484.9335	484.9388	10.91977	10.87708
12252	M319T9_7	1.109927	-0.15047	-0.39073	0.706869	0.875555	DOWN	319.2725	319.2722	319.2726	8.983333	8.9396
12253	M390T10_	1.101455	-0.13941	-0.39435	0.706896	0.875558	DOWN	389.689	389.6843	389.6892	9.9091	9.79535
12254	M195T12	1.048852	-0.06881	-0.39598	0.70691	0.875559	DOWN	195.1379	195.1378	195.1379	11.8371	11.7572
12255	M591T10_	1.167506	0.22343	0.391234	0.706961	0.875564	UP	591.1482	591.1477	591.1498	9.979342	9.859233
12256	M362T11_	1.280142	0.356304	0.390208	0.706967	0.875564	UP	362.076	362.0755	362.0779	10.94208	10.88747
12257	M258T9_2	1.160381	-0.2146	-0.39148	0.707109	0.875578	DOWN	257.6012	257.601	257.6012	9.055808	9.031633
12258	M462T12	1.138132	-0.18667	-0.39162	0.70725	0.875591	DOWN	462.2443	462.2434	462.2449	12.17191	12.13862
12259	M194T9_1	1.288457	0.365645	0.390162	0.707481	0.875613	UP	194.0147	194.0139	194.0179	9.213125	9.175017
12260	M577T18_	1.097009	-0.13358	-0.3964	0.707519	0.875616	DOWN	577.3744	577.3743	577.3748	18.30533	18.26967
12261	M481T11_	1.11238	0.15365	0.393664	0.707534	0.875618	UP	480.5134	480.5131	480.5138	10.90669	10.90197
12262	M238T11_	1.084947	0.117624	0.389256	0.707601	0.875624	UP	237.9121	237.9119	237.9122	10.90522	10.8646
12263	M376T37	1.191989	0.253371	0.390646	0.707683	0.875632	UP	376.2633	376.2631	376.2635	36.82775	36.7985
12264	M347T21_	1.13336	-0.18061	-0.39344	0.707709	0.875634	DOWN	346.9568	346.9566	346.9571	20.62017	20.56317
12265	M680T20	1.089439	-0.12359	-0.38877	0.707773	0.87564	DOWN	679.5115	679.5111	679.512	19.86767	19.78833
12266	M810T9_2	1.1395	-0.1884	-0.38861	0.707795	0.875643	DOWN	810.0524	810.0479	810.0528	9.46855	9.416817
12267	M206T9_7	1.170022	0.226536	0.388298	0.707925	0.875655	UP	205.6703	205.6698	205.6708	9.159975	9.132267
12268	M487T10_	1.071058	-0.09904	-0.38847	0.707954	0.875658	DOWN	486.7212	486.72	486.7214	9.983433	9.8753
12269	M157T10_	1.085433	0.118271	0.391447	0.708116	0.875673	UP	157.3715	157.3687	157.374	9.950667	9.843367
12270	M255T10_	1.210418	-0.27551	-0.39324	0.708123	0.875674	DOWN	255.2872	255.2871	255.2874	9.9351	9.853533
12271	M434T9_9	1.072155	-0.10051	-0.38979	0.708271	0.875687	DOWN	433.8468	433.8455	433.8482	9.311167	9.129317
12272	M1435T10	1.113191	-0.1547	-0.39137	0.708311	0.875691	DOWN	1434.737	1434.736	1434.738	9.999	9.8914
12273	M351T10_	1.033841	-0.04801	-0.39342	0.708376	0.875697	DOWN	350.507	350.5068	350.5072	9.857833	9.73145
12274	M478T9_7	1.073633	0.102501	0.389235	0.708437	0.875703	UP	478.4144	478.4142	478.4146	9.29015	9.129317
12275	M296T30_	1.051072	0.071861	0.388295	0.708445	0.875704	UP	296.2128	296.2126	296.213	29.83408	29.7905
12276	M622T44	1.021061	-0.03007	-0.38789	0.708515	0.875711	DOWN	622.3434	622.3432	622.3437	44.16417	43.891
12277	M365T9_2	1.107966	-0.14791	-0.39184	0.708531	0.875712	DOWN	364.6275	364.627	364.6275	8.94795	8.877267
12278	M400T9_3	1.140382	0.189517	0.387319	0.708666	0.875725	UP	399.7015	399.7012	399.7078	9.275917	9.103733
12279	M382T11_	1.081	-0.11237	-0.38756	0.708783	0.875736	DOWN	382.3211	382.3184	382.3213	10.89875	10.69012
12280	M494T10_	1.164682	-0.21994	-0.39215	0.708868	0.875744	DOWN	494.3184	494.3179	494.3191	9.531467	9.447617
12281	M291T28	1.04403	-0.06216	-0.38731	0.708889	0.875746	DOWN	291.1952	291.195	291.1953	27.51183	27.46533
12282	M263T11_	1.127046	-0.17255	-0.38758	0.708938	0.87575	DOWN	262.9564	262.9562	262.9567	10.8926	10.8646
12283	M1675T11	1.068912	-0.09614	-0.38704	0.708989	0.875755	DOWN	1674.825	1674.823	1674.825	10.892	10.879
12284	M685T10_	1.148767	-0.20009	-0.38818	0.709138	0.875769	DOWN	685.1916	685.1915	685.1918	9.951283	9.843367

12285	M344T9_2	1.255603	0.32838	0.396773	0.70915	0.87577	UP	343.7009	343.7004	343.7013	8.888783	8.818733
12286	M605T10_	1.064865	-0.09067	-0.3888	0.709176	0.875773	DOWN	604.5051	604.5041	604.5104	9.818508	9.715683
12287	M643T10_	1.056304	-0.07902	-0.38932	0.70919	0.875774	DOWN	643.1622	643.1612	643.1654	9.823575	9.715683
12288	M737T10_	1.061717	0.086399	0.387845	0.709234	0.875778	UP	737.3938	737.3926	737.3944	10.31875	10.2501
12289	M686T10_	1.073502	0.102324	0.387438	0.709261	0.875781	UP	685.8822	685.8816	685.8832	10.20291	10.13368
12290	M330T9_2	1.187427	0.247839	0.387669	0.709298	0.875784	UP	329.5435	329.5398	329.544	8.82235	8.715883
12291	M235T11_	1.062244	0.087115	0.388146	0.709361	0.87579	UP	234.675	234.6748	234.6751	11.49592	11.47593
12292	M480T10_	1.135736	-0.18363	-0.38626	0.709403	0.875794	DOWN	479.5641	479.564	479.5646	9.842	9.699733
12293	M1305T10	1.056474	-0.07926	-0.38624	0.709412	0.875795	DOWN	1305.058	1305.055	1305.059	9.924308	9.827283
12294	M358T10_	1.108133	-0.14813	-0.39245	0.709456	0.875799	DOWN	357.5686	357.5683	357.5686	9.9351	9.8378
12295	M774T10_	1.080089	-0.11115	-0.38751	0.709539	0.875807	DOWN	774.2388	774.2355	774.2406	9.818433	9.715683
12296	M526T10_	1.071224	-0.09926	-0.38883	0.709551	0.875808	DOWN	526.2465	526.2459	526.2476	10.29246	10.19852
12297	M346T9_2	1.150142	-0.20181	-0.38658	0.709564	0.875809	DOWN	345.6853	345.6849	345.6867	9.314442	9.234417
12298	M399T9_2	1.147243	-0.19817	-0.38622	0.709613	0.875814	DOWN	398.8215	398.8159	398.8228	9.375792	9.234417
12299	M332T10_	1.281933	0.35832	0.386093	0.709662	0.875819	UP	332.0472	332.0469	332.0473	9.9754	9.885167
12300	M699T10_	1.045323	-0.06395	-0.38703	0.709706	0.875823	DOWN	698.5391	698.5384	698.5398	9.872475	9.73145
12301	M241T13	1.232601	-0.30171	-0.38598	0.709749	0.875827	DOWN	241.1194	241.1192	241.1195	13.47807	13.43433
12302	M432T26_	1.146179	-0.19683	-0.38563	0.709867	0.875838	DOWN	431.6558	431.6556	431.6563	26.02092	25.90867
12303	M209T9_6	1.159986	-0.21411	-0.38553	0.709893	0.87584	DOWN	209.1648	209.1574	209.1712	8.7681	8.672483
12304	M284T9_2	1.213638	0.279338	0.390763	0.710136	0.875863	UP	283.8279	283.8275	283.8279	9.431508	9.27445
12305	M1687T9	1.113359	-0.15492	-0.38572	0.710139	0.875863	DOWN	1687.452	1687.448	1687.456	9.352117	9.29345
12306	M301T9_1	1.13048	-0.17694	-0.38514	0.710313	0.87588	DOWN	300.7005	300.7002	300.7006	8.946925	8.847333
12307	M484T9_1	1.073473	-0.10229	-0.38567	0.710319	0.87588	DOWN	483.6465	483.6447	483.6468	8.985492	8.89395
12308	M698T10_	1.113044	-0.15451	-0.38876	0.710432	0.875891	DOWN	697.9427	697.9421	697.9431	9.841308	9.73145
12309	M756T11_	1.056939	0.079892	0.385017	0.710502	0.875897	UP	756.4654	756.4652	756.4661	10.89875	10.879
12310	M492T12	1.045775	-0.06457	-0.38989	0.71052	0.875899	DOWN	492.4154	492.4151	492.4158	11.66508	11.62792
12311	M520T21	1.08257	-0.11446	-0.38524	0.71056	0.875903	DOWN	520.3889	520.388	520.3897	21.13667	21.12633
12312	M752T10_	1.112048	-0.15322	-0.38895	0.710561	0.875903	DOWN	752.4507	752.4498	752.4511	10.16418	10.10142
12313	M978T10	1.101209	0.139088	0.393615	0.710723	0.875918	UP	978.3171	978.3138	978.3187	9.75365	9.636483
12314	M327T23	1.176625	0.234655	0.391213	0.710801	0.875925	UP	327.1928	327.1924	327.1986	23.48367	23.393
12315	M324T10_	1.107484	-0.14729	-0.38391	0.711111	0.875955	DOWN	324.1931	324.1926	324.197	9.946467	9.843367
12316	M364T10_	1.02679	-0.03814	-0.38649	0.711506	0.875991	DOWN	364.2756	364.2747	364.276	9.825767	9.699733
12317	M925T10_	1.081857	0.11351	0.388108	0.71153	0.875994	UP	925.3933	925.391	925.394	9.958617	9.843367
12318	M485T30	1.079754	-0.1107	-0.38839	0.71158	0.875998	DOWN	485.3872	485.3869	485.3874	30.26608	30.25233
12319	M821T11_	1.089721	-0.12396	-0.38305	0.71169	0.876009	DOWN	820.9991	820.9974	821.0023	10.91222	10.83417



12320	M213T9_1	1.345242	0.427866	0.385707	0.711795	0.876019	UP	213.4178	213.4168	213.4223	9.295817	9.061
12321	M650T11_	1.045534	0.06424	0.385646	0.711824	0.876021	UP	650.4175	650.4172	650.4179	11.49197	11.47593
12322	M559T23_	1.073597	0.102452	0.383152	0.711852	0.876024	UP	559.3879	559.387	559.3883	22.59683	22.55283
12323	M351T10_	1.07447	-0.10362	-0.38275	0.711871	0.876026	DOWN	351.007	351.0068	351.0071	9.844033	9.73145
12324	M414T22	1.145792	-0.19634	-0.38361	0.712089	0.876046	DOWN	414.2999	414.2994	414.3006	21.69533	21.66533
12325	M162T10_	1.121274	-0.16514	-0.38586	0.712172	0.876054	DOWN	161.5111	161.511	161.5111	9.951283	9.827283
12326	M378T9_5	1.152718	0.205039	0.388243	0.71219	0.876055	UP	377.7876	377.7871	377.7879	9.063992	9.03845
12327	M835T19_	1.316135	0.396308	0.382383	0.712197	0.876056	UP	834.6428	834.6416	834.644	18.71867	18.7035
12328	M320T10_	1.098213	0.135158	0.383457	0.712204	0.876057	UP	319.5088	319.5085	319.5099	9.842	9.715683
12329	M326T10_	1.041181	-0.05822	-0.39051	0.712262	0.876062	DOWN	326.0286	326.0283	326.0297	9.831142	9.715683
12330	M442T10_	1.073663	0.102541	0.382617	0.712417	0.876077	UP	442.3958	442.3954	442.3968	9.888083	9.6681
12331	M253T11_	1.076983	0.106995	0.382843	0.712509	0.876085	UP	253.1028	253.1019	253.1064	10.91349	10.88982
12332	M422T26	1.070816	-0.09871	-0.38392	0.712514	0.876086	DOWN	422.2895	422.2894	422.2896	25.60458	25.54983
12333	M686T10_	1.06347	0.08878	0.385153	0.712524	0.876087	UP	685.5762	685.5758	685.5766	9.979342	9.8753
12334	M465T10_	1.070462	0.098233	0.382509	0.712675	0.876101	UP	464.8357	464.8342	464.836	10.17253	10.08517
12335	M257T10_	1.099788	0.137225	0.381896	0.712685	0.876102	UP	256.5949	256.5945	256.5952	9.958617	9.843367
12336	M993T10	1.158205	-0.21189	-0.38237	0.712718	0.876105	DOWN	993.009	993.0073	993.0107	9.853633	9.746783
12337	M358T22_	1.123038	0.167406	0.389389	0.712724	0.876105	UP	357.9206	357.9201	357.9206	21.58383	21.55183
12338	M699T11_	1.086356	-0.1195	-0.38219	0.712747	0.876107	DOWN	699.1839	699.1836	699.1843	10.892	10.8646
12339	M663T10_	1.138245	-0.18681	-0.38607	0.712786	0.876111	DOWN	663.224	663.2154	663.2243	9.857983	9.840617
12340	M198T10_	1.19371	0.255452	0.394477	0.712857	0.876118	UP	197.8588	197.8586	197.859	9.830283	9.728083
12341	M618T10_	1.075382	0.104849	0.384111	0.712945	0.876126	UP	618.0945	618.094	618.0947	9.957333	9.843367
12342	M605T36	1.116537	0.159031	0.381176	0.713001	0.876131	UP	605.4234	605.423	605.4248	35.92433	35.89133
12343	M157T11_	1.051259	-0.07212	-0.3864	0.713008	0.876132	DOWN	156.5988	156.5987	156.5989	10.89875	10.879
12344	M229T30	1.141513	-0.19095	-0.38435	0.713062	0.876137	DOWN	229.2159	229.2158	229.2161	30.23792	30.22417
12345	M1745T10	1.115739	-0.158	-0.38116	0.713087	0.876139	DOWN	1745.447	1745.443	1745.455	9.95385	9.843367
12346	M478T20_	1.056945	-0.0799	-0.38129	0.713291	0.876158	DOWN	478.3994	478.3994	478.3998	20.07075	20.05017
12347	M361T10_	1.034873	-0.04945	-0.38196	0.713307	0.87616	DOWN	360.7893	360.7891	360.7898	9.917167	9.811217
12348	M1525T10	1.116461	-0.15893	-0.38447	0.713529	0.87618	DOWN	1524.88	1524.877	1524.882	10.47033	10.39298
12349	M243T11_	1.069477	0.096906	0.382797	0.713636	0.87619	UP	242.6091	242.609	242.6091	10.89875	10.879
12350	M165T10_	1.093297	-0.12869	-0.38255	0.713887	0.876214	DOWN	165.3582	165.3581	165.3583	9.968992	9.859233
12351	M386T10_	1.147832	0.198912	0.38011	0.713913	0.876216	UP	386.3281	386.3277	386.3285	9.965717	9.843367
12352	M214T9_6	1.097355	-0.13403	-0.3798	0.713981	0.876222	DOWN	213.7419	213.7413	213.7427	9.21755	9.175017
12353	M351T10_	1.147207	-0.19813	-0.3916	0.71402	0.876226	DOWN	350.7261	350.7254	350.7316	9.880867	9.746783
12354	M355T10_	1.031334	-0.04451	-0.37984	0.714094	0.876233	DOWN	354.8587	354.8583	354.859	9.830558	9.715683

12355	M1074T10	1.106006	0.145359	0.379666	0.714125	0.876236	UP	1074.372	1074.371	1074.372	9.984083	9.8753
12356	M373T23_	1.108891	-0.14912	-0.38973	0.71426	0.876248	DOWN	372.6676	372.667	372.6679	22.69767	22.68367
12357	M227T11_	1.063258	-0.08849	-0.37935	0.714308	0.876253	DOWN	227.4373	227.437	227.4374	10.89875	10.8646
12358	M341T10_	1.036956	-0.05235	-0.38389	0.714466	0.876267	DOWN	340.9539	340.9536	340.9541	9.831142	9.715683
12359	M571T11_	1.105619	-0.14485	-0.38105	0.714603	0.87628	DOWN	570.6856	570.6855	570.687	11.287	11.18767
12360	M542T9_4	1.129171	0.175265	0.379093	0.714609	0.876281	UP	542.2654	542.2641	542.2667	9.142767	8.87445
12361	M426T11_	1.08609	-0.11914	-0.37937	0.714616	0.876281	DOWN	425.5089	425.5084	425.51	10.94208	10.879
12362	M487T10_	1.049495	-0.0697	-0.38006	0.714646	0.876284	DOWN	487.3567	487.3565	487.3569	10.1599	10.06883
12363	M174T10_	1.266448	0.340787	0.385395	0.714804	0.876299	UP	173.9964	173.9899	173.9976	9.972758	9.853533
12364	M390T11_	1.162981	-0.21783	-0.37979	0.714814	0.8763	DOWN	390.3241	390.3238	390.332	10.8926	10.82935
12365	M448T11_	1.050564	-0.07116	-0.37865	0.714848	0.876303	DOWN	448.2635	448.2629	448.2638	10.90519	10.879
12366	M795T24	1.068021	-0.09494	-0.3789	0.714893	0.876307	DOWN	794.5016	794.5013	794.5017	23.64242	23.5855
12367	M415T41_	1.073708	0.102601	0.384103	0.714996	0.876317	UP	415.2323	415.2321	415.2326	41.45983	41.22983
12368	M907T11	1.079094	-0.10982	-0.38004	0.715203	0.876336	DOWN	906.68	906.6798	906.6802	11.06789	11.04953
12369	M807T36	1.127998	-0.17376	-0.37823	0.715215	0.876337	DOWN	806.5756	806.5746	806.5765	35.74067	35.71767
12370	M216T10_	1.113954	-0.15569	-0.37824	0.715303	0.876345	DOWN	215.6468	215.6468	215.647	9.8214	9.743667
12371	M396T9_4	1.08132	-0.11279	-0.38087	0.715435	0.876357	DOWN	395.8259	395.825	395.8281	9.222942	9.129317
12372	M228T9_6	1.173453	-0.23076	-0.37773	0.715461	0.87636	DOWN	227.8604	227.8582	227.8635	9.40325	9.132267
12373	M343T33	1.091401	0.126182	0.377829	0.715497	0.876363	UP	343.2591	343.2587	343.2598	32.90733	32.86383
12374	M419T11_	1.122801	0.167102	0.389729	0.715558	0.876369	UP	419.024	419.0186	419.0245	10.91784	10.87765
12375	M520T42_	1.130148	0.176512	0.38852	0.715574	0.87637	UP	520.3114	520.3112	520.3117	41.575	41.41667
12376	M505T9_4	1.117096	-0.15975	-0.37927	0.715644	0.876377	DOWN	504.7756	504.7753	504.7759	9.297433	9.174883
12377	M389T15	1.091391	0.126168	0.384349	0.715763	0.876388	UP	389.2772	389.2766	389.2776	14.85364	14.83755
12378	M189T9_1	1.235738	0.305373	0.377677	0.715828	0.876394	UP	189.322	189.3217	189.3221	9.153592	9.111033
12379	M462T11_	1.093658	-0.12916	-0.37827	0.715859	0.876397	DOWN	462.2445	462.2439	462.2452	10.9212	10.8646
12380	M366T10_	1.136244	-0.18427	-0.37727	0.71589	0.876399	DOWN	365.7983	365.7969	365.7986	9.836367	9.715683
12381	M345T9_7	1.100332	-0.13794	-0.38258	0.715915	0.876402	DOWN	344.8895	344.8893	344.8897	9.29345	9.234417
12382	M228T10_	1.043178	-0.06098	-0.3771	0.715978	0.876408	DOWN	228.1594	228.1593	228.1595	9.962617	9.843367
12383	M698T10_	1.064876	-0.09069	-0.37878	0.716049	0.876414	DOWN	698.3043	698.3032	698.3047	9.830558	9.699733
12384	M384T10_	1.100702	0.138423	0.381649	0.71605	0.876414	UP	384.2351	384.2347	384.2354	9.646267	9.541483
12385	M398T9_9	1.118911	-0.1621	-0.37891	0.716072	0.876416	DOWN	398.3419	398.3405	398.3475	9.355917	9.26575
12386	M377T9_3	1.20283	0.266432	0.378803	0.716121	0.876421	UP	376.7824	376.7798	376.7867	9.347033	9.145433
12387	M243T9_1	1.185535	-0.24554	-0.37721	0.716248	0.876433	DOWN	243.3708	243.367	243.3779	9.311883	9.0511
12388	M385T9_4	1.133634	0.180955	0.382668	0.716263	0.876434	UP	384.9164	384.9159	384.9176	8.868383	8.75965
12389	M908T10_	1.142684	-0.19243	-0.37726	0.716289	0.876436	DOWN	908.4796	908.4756	908.4804	9.914217	9.811217

12390	M556T36	1.186467	-0.24667	-0.37752	0.716343	0.876441	DOWN	556.4416	556.4412	556.4421	36.0415	36.03517
12391	M342T10_	1.152812	0.205158	0.376884	0.716399	0.876447	UP	342.04	342.0399	342.0402	9.8207	9.699733
12392	M209T44	1.097792	0.134605	0.389401	0.716413	0.876448	UP	209.1533	209.1532	209.1534	43.51683	43.445
12393	M183T9_2	1.188697	0.24938	0.382178	0.716433	0.87645	UP	182.6782	182.678	182.6786	9.162658	9.1428
12394	M286T9_3	1.161966	-0.21657	-0.3822	0.716479	0.876454	DOWN	286.244	286.2435	286.2443	8.70035	8.629617
12395	M706T10_	1.174448	0.231983	0.379569	0.716545	0.87646	UP	705.7602	705.7585	705.7609	9.8207	9.699733
12396	M605T10_	1.254414	-0.32701	-0.37663	0.716576	0.876463	DOWN	604.6043	604.6041	604.6044	9.946467	9.843367
12397	M1028T10_	1.08139	-0.11289	-0.38037	0.716646	0.876469	DOWN	1028.462	1028.461	1028.463	9.968992	9.8753
12398	M277T10_	1.034649	-0.04914	-0.38045	0.716694	0.876474	DOWN	277.2294	277.2292	277.2295	9.8802	9.779267
12399	M336T10_	1.04551	-0.06421	-0.38059	0.716743	0.876478	DOWN	335.8045	335.8043	335.8086	9.825492	9.715683
12400	M966T11_	1.063424	-0.08872	-0.37611	0.716752	0.876479	DOWN	965.5434	965.5428	965.5445	10.89907	10.879
12401	M562T40_	1.038544	0.054563	0.376295	0.716754	0.876479	UP	562.3221	562.3219	562.3222	40.02133	39.863
12402	M201T10_	1.27119	-0.34618	-0.37672	0.716762	0.87648	DOWN	200.6818	200.6815	200.6818	9.956867	9.843367
12403	M387T10_	1.404342	-0.48989	-0.37668	0.716824	0.876486	DOWN	386.7581	386.7578	386.7638	9.964417	9.885167
12404	M677T10_	1.054064	0.075963	0.382681	0.716826	0.876486	UP	676.5609	676.5606	676.561	9.825767	9.715683
12405	M453T9_2	1.146536	0.197281	0.376429	0.716905	0.876493	UP	452.6282	452.6231	452.6324	9.22995	9.056733
12406	M1001T10_	1.178202	-0.23659	-0.37657	0.716943	0.876497	DOWN	1001.47	1001.469	1001.47	9.923158	9.914217
12407	M450T11_	1.091224	0.125947	0.380955	0.716977	0.8765	UP	450.4136	450.4132	450.4143	10.89193	10.85018
12408	M524T39_	1.087721	-0.12131	-0.37967	0.716999	0.876502	DOWN	524.306	524.3059	524.3063	38.5825	38.42433
12409	M516T9_1	1.124143	0.168826	0.380196	0.717002	0.876502	UP	516.1338	516.1331	516.134	9.231542	9.12675
12410	M271T10_	1.102083	0.140233	0.376935	0.717115	0.876513	UP	270.7523	270.7521	270.7527	9.829175	9.759383
12411	M377T9_7	1.1186	0.161694	0.383952	0.717145	0.876515	UP	377.4913	377.49	377.4935	9.174942	9.1587
12412	M326T10_	1.123286	-0.16773	-0.37881	0.717172	0.876518	DOWN	325.7117	325.7115	325.7127	9.82645	9.715683
12413	M804T10_	1.054765	-0.07692	-0.37537	0.717174	0.876518	DOWN	804.4651	804.4646	804.4661	10.04722	9.939683
12414	M339T20_	1.201469	0.2648	0.375328	0.717177	0.876518	UP	339.236	339.2355	339.2361	19.8685	19.8105
12415	M589T9_3	1.14306	-0.1929	-0.37737	0.717298	0.876529	DOWN	588.7777	588.7775	588.7787	9.2796	9.234417
12416	M574T17	1.112306	-0.15355	-0.37513	0.717323	0.876532	DOWN	574.3823	574.3821	574.3828	16.6508	16.59183
12417	M251T11_	1.070055	-0.09769	-0.37693	0.717324	0.876532	DOWN	251.3942	251.3917	251.3945	10.90522	10.873
12418	M399T39	1.134216	-0.1817	-0.3861	0.717336	0.876533	DOWN	399.2374	399.237	399.2505	39.34517	39.115
12419	M274T10_	1.103677	0.142319	0.375283	0.717348	0.876534	UP	274.4565	274.4563	274.4566	9.9847	9.859233
12420	M529T11_	1.136451	0.184535	0.374938	0.717502	0.876548	UP	529.0674	529.0671	529.0677	11.2385	11.19848
12421	M480T11_	1.073932	-0.1029	-0.37587	0.717524	0.87655	DOWN	480.274	480.2736	480.2752	10.892	10.8646
12422	M724T32	1.156654	-0.20996	-0.3748	0.717552	0.876553	DOWN	723.5882	723.588	723.5884	31.7605	31.753
12423	M703T10_	1.153597	0.206139	0.377415	0.717576	0.876555	UP	703.4247	703.4245	703.4252	9.7468	9.62055
12424	M357T44_	1.051424	0.072345	0.374809	0.717595	0.876557	UP	357.1906	357.1905	357.1907	43.74725	43.54567

12425	M480T9_1	1.133069	-0.18024	-0.38142	0.717919	0.876587	DOWN	479.5001	479.4988	479.5048	9.235933	9.046783
12426	M296T9_5	1.155057	0.207964	0.382728	0.718031	0.876597	UP	296.2045	296.2041	296.2048	8.729958	8.658183
12427	M734T10_	1.119569	-0.16294	-0.37415	0.718115	0.876605	DOWN	733.9088	733.9069	733.9092	9.772883	9.699733
12428	M583T9_6	1.135372	-0.18317	-0.37396	0.718154	0.876608	DOWN	582.9756	582.9745	582.9758	9.1988	9.161683
12429	M334T10_	1.116264	-0.15868	-0.37531	0.718172	0.87661	DOWN	333.8274	333.8272	333.8288	9.825492	9.699733
12430	M755T31	1.074231	-0.1033	-0.37394	0.718195	0.876612	DOWN	754.5226	754.5219	754.5232	31.29517	31.23383
12431	M439T11_	1.074933	0.104247	0.37934	0.718221	0.876614	UP	439.2193	439.2192	439.2195	10.90659	10.89355
12432	M1299T23	1.214921	0.280862	0.380376	0.718247	0.876617	UP	1298.642	1298.641	1298.643	22.52333	22.4835
12433	M437T10_	1.141434	0.190848	0.381931	0.718247	0.876617	UP	437.1432	437.1429	437.1441	9.984083	9.885167
12434	M392T17	1.043864	-0.06193	-0.38522	0.718271	0.876619	DOWN	392.2985	392.2981	392.2986	16.928	16.89883
12435	M357T41_	1.042647	0.060251	0.380285	0.718319	0.876623	UP	357.1906	357.1905	357.1908	40.9565	40.76933
12436	M557T36	1.175715	-0.23354	-0.3755	0.718335	0.876625	DOWN	557.4453	557.4446	557.4463	36.05633	36.021
12437	M263T9_1	1.139381	-0.18825	-0.3785	0.718391	0.87663	DOWN	263.0653	263.0651	263.0656	9.486892	9.284283
12438	M564T11_	1.071244	-0.09929	-0.3736	0.718407	0.876632	DOWN	563.8089	563.8086	563.8093	10.52067	10.47223
12439	M378T10_	1.133569	0.180872	0.38146	0.718506	0.876641	UP	378.0068	378.0066	378.017	9.903092	9.79535
12440	M220T9_1	1.154645	-0.20745	-0.37425	0.718609	0.87665	DOWN	220.1692	220.1627	220.1718	9.268717	9.103733
12441	M642T10_	1.050174	0.070628	0.374311	0.718636	0.876653	UP	642.1989	642.1926	642.2025	9.825492	9.464933
12442	M199T9_9	1.197261	-0.25974	-0.37586	0.718685	0.876657	DOWN	199.2754	199.2741	199.2764	9.278717	9.1322
12443	M535T30	1.091508	0.126322	0.372908	0.718914	0.876678	UP	535.3731	535.3725	535.3744	30.26733	30.20833
12444	M245T18	1.19439	0.256275	0.382832	0.718963	0.876683	UP	245.0782	245.0779	245.0782	18.49017	18.46867
12445	M226T9_3	1.173577	-0.23091	-0.37336	0.71897	0.876683	DOWN	226.0865	226.0845	226.0872	9.305817	9.061
12446	M346T45	1.130397	-0.17683	-0.37497	0.718987	0.876685	DOWN	346.186	346.1859	346.1861	44.85408	44.65283
12447	M375T11_	1.063798	-0.08922	-0.37578	0.719052	0.876691	DOWN	375.3692	375.369	375.3695	10.89923	10.88747
12448	M730T10_	1.081912	-0.11358	-0.37703	0.71907	0.876692	DOWN	730.1012	730.0985	730.1017	9.830833	9.715683
12449	M570T20	1.058815	-0.08245	-0.37297	0.719081	0.876693	DOWN	570.4209	570.4203	570.4213	20.49167	20.4765
12450	M310T9_2	1.095749	-0.13192	-0.38008	0.719131	0.876698	DOWN	309.7081	309.699	309.7085	8.938183	8.7875
12451	M361T10_	1.092552	0.127702	0.379591	0.719171	0.876702	UP	361.354	361.3535	361.3556	9.910133	9.79535
12452	M697T9_7	1.079899	-0.1109	-0.37798	0.719212	0.876705	DOWN	697.3907	697.3896	697.391	9.3332	9.234417
12453	M1307T9	1.171888	0.228835	0.376236	0.719219	0.876706	UP	1307.141	1307.141	1307.143	9.286433	9.22495
12454	M262T31	1.083728	0.116002	0.37287	0.719348	0.876718	UP	262.1435	262.1433	262.1441	31.10483	31.061
12455	M740T9_1	1.204918	-0.26893	-0.37278	0.7194	0.876723	DOWN	739.698	739.6974	739.6984	9.363733	9.250817
12456	M791T33	1.091684	-0.12656	-0.37271	0.71944	0.876726	DOWN	790.5525	790.5522	790.5533	33.34092	33.34033
12457	M805T10_	1.143617	0.193604	0.381167	0.719577	0.876739	UP	804.6159	804.6149	804.6166	9.942317	9.827283
12458	M376T10_	1.143029	0.192861	0.372524	0.719577	0.876739	UP	375.5241	375.5236	375.5242	9.960817	9.843367
12459	M444T11_	1.133193	0.180393	0.37329	0.719658	0.876746	UP	444.3523	444.3517	444.3527	10.8926	10.873

12460	M475T10_	1.022945	-0.03273	-0.37392	0.719781	0.876758	DOWN	474.7399	474.7397	474.7401	9.847133	9.73145
12461	M151T10_	1.258626	-0.33185	-0.37301	0.719786	0.876758	DOWN	150.821	150.8209	150.8286	9.8374	9.8161
12462	M431T10_	1.132173	0.179095	0.383803	0.719786	0.876758	UP	430.7884	430.788	430.7889	9.946367	9.859233
12463	M228T10_	1.087527	-0.12105	-0.37175	0.719893	0.876768	DOWN	228.3544	228.3543	228.3545	9.915583	9.811217
12464	M371T12	1.079341	-0.11015	-0.37254	0.719989	0.876777	DOWN	371.1464	371.1463	371.1466	11.67752	11.66018
12465	M401T27_	1.175645	-0.23345	-0.37218	0.720127	0.876789	DOWN	401.0435	401.0433	401.0436	26.80283	26.78083
12466	M681T25	1.076317	-0.1061	-0.37343	0.720228	0.876799	DOWN	680.5146	680.5144	680.5147	24.75817	24.6525
12467	M509T9_2	1.17811	-0.23647	-0.37191	0.720234	0.876799	DOWN	509.1715	509.1697	509.1732	9.2585	9.0864
12468	M216T10_	1.092964	-0.12825	-0.37208	0.720273	0.876803	DOWN	216.1666	216.1658	216.167	9.821383	9.816167
12469	M332T30	1.079531	-0.11041	-0.37318	0.720492	0.876823	DOWN	332.3157	332.3156	332.3159	29.51258	29.48917
12470	M298T17	1.094645	0.130463	0.372828	0.72057	0.87683	UP	298.2738	298.2729	298.2743	17.30708	17.2925
12471	M361T11_	1.05959	-0.08351	-0.37309	0.720589	0.876832	DOWN	361.2858	361.285	361.2869	10.9127	10.879
12472	M247T19_	1.095359	-0.1314	-0.37034	0.720745	0.876846	DOWN	247.2166	247.2163	247.2169	18.77583	18.76217
12473	M317T10_	1.098145	0.135069	0.37059	0.720777	0.876849	UP	317.2904	317.2902	317.291	9.802992	9.715683
12474	M754T10_	1.048545	0.068389	0.371703	0.720874	0.876858	UP	754.2769	754.2713	754.2777	9.845483	9.715683
12475	M756T9_2	1.1029	0.141301	0.376896	0.720951	0.876865	UP	755.8212	755.8204	755.8216	9.145433	9.12675
12476	M725T32	1.147268	-0.1982	-0.37011	0.720983	0.876868	DOWN	724.5917	724.5916	724.592	31.75433	31.75333
12477	M1011T10	1.092079	-0.12708	-0.3783	0.721063	0.876875	DOWN	1010.582	1010.58	1010.584	9.999	9.9009
12478	M257T9_4	1.13824	0.186805	0.369802	0.721163	0.876884	UP	257.2514	257.2507	257.2521	9.161192	9.132267
12479	M262T10_	1.064048	-0.08956	-0.36981	0.721207	0.876888	DOWN	261.8882	261.8773	261.8883	9.958617	9.843367
12480	M341T11_	1.074689	0.103919	0.378602	0.721242	0.876891	UP	341.2433	341.2433	341.2435	10.92598	10.90197
12481	M311T10_	1.058128	-0.08151	-0.37073	0.721297	0.876896	DOWN	311.2884	311.2855	311.2886	9.956417	9.840617
12482	M235T9_9	1.224421	-0.2921	-0.37127	0.7215	0.876915	DOWN	235.2112	235.2089	235.2121	9.388367	9.22495
12483	M217T10_	1.044403	-0.06268	-0.37578	0.721532	0.876918	DOWN	216.8601	216.8599	216.8687	9.909433	9.79535
12484	M428T11_	1.083221	0.115328	0.369075	0.721707	0.876934	UP	427.5341	427.5285	427.5345	10.93097	10.89125
12485	M359T10_	1.106555	-0.14608	-0.3717	0.72172	0.876935	DOWN	358.8584	358.8582	358.8657	9.87115	9.843367
12486	M593T10_	1.289423	-0.36673	-0.369	0.721779	0.87694	DOWN	593.2484	593.2469	593.2491	9.872067	9.843367
12487	M288T10_	1.08888	-0.12284	-0.36935	0.721798	0.876942	DOWN	287.9536	287.9532	287.9537	9.82645	9.715683
12488	M791T9_2	1.259707	-0.33309	-0.3689	0.72185	0.876947	DOWN	790.7263	790.725	790.7274	9.313325	9.26575
12489	M604T10_	1.19214	0.253553	0.377251	0.721928	0.876954	UP	603.7041	603.7031	603.7086	9.8207	9.7124
12490	M436T9_7	1.07295	0.101582	0.37189	0.721931	0.876954	UP	435.8906	435.8897	435.8918	9.296133	9.129317
12491	M477T11_	1.076994	0.10701	0.36925	0.721966	0.876957	UP	476.565	476.5636	476.5653	10.89875	10.873
12492	M1054T10	1.048103	-0.06778	-0.36871	0.721993	0.87696	DOWN	1054.127	1054.125	1054.129	9.84695	9.728083
12493	M371T10_	1.124886	-0.16978	-0.37174	0.721994	0.87696	DOWN	371.251	371.2506	371.2512	10.28695	10.18238
12494	M417T9_4	1.388936	0.47398	0.368574	0.722094	0.876969	UP	416.8589	416.8583	416.8591	9.206	9.1445

12495	M363T36	1.149534	0.20105	0.368375	0.722164	0.876975	UP	363.3103	363.31	363.3109	36.30908	36.2275
12496	M562T43_	1.092314	0.127387	0.380657	0.722245	0.876983	UP	562.3219	562.3219	562.3221	43.0565	42.94167
12497	M534T40_	1.080626	-0.11187	-0.36891	0.722246	0.876983	DOWN	534.2905	534.2904	534.291	39.51783	39.44583
12498	M270T18	1.178783	0.237298	0.372385	0.722361	0.876993	UP	270.15	270.1493	270.1503	18.2035	18.19433
12499	M1181T10	1.099163	0.136405	0.372727	0.722368	0.876994	UP	1180.824	1180.823	1180.826	9.8374	9.774967
12500	M189T11_	1.102135	-0.1403	-0.36832	0.722382	0.876995	DOWN	188.693	188.6926	188.6934	10.90522	10.879
12501	M409T11_	1.050333	-0.07085	-0.3728	0.722422	0.876999	DOWN	408.5148	408.5142	408.5153	10.92253	10.84487
12502	M582T9_1	1.183111	0.242585	0.371793	0.722493	0.877005	UP	581.515	581.5126	581.5207	9.1602	9.110833
12503	M206T10_	1.055908	-0.07848	-0.3693	0.722564	0.877012	DOWN	206.4504	206.4503	206.4505	9.8207	9.715683
12504	M312T11_	1.056098	-0.07874	-0.36811	0.722594	0.877014	DOWN	312.415	312.4149	312.4151	10.892	10.879
12505	M433T10_	1.135595	0.183449	0.367822	0.722706	0.877025	UP	433.1382	433.1377	433.1384	9.958617	9.843367
12506	M364T9_1	1.09078	0.125361	0.36763	0.722732	0.877027	UP	364.174	364.1732	364.1751	9.28995	9.098833
12507	M951T10_	1.101391	-0.13933	-0.36776	0.722804	0.877033	DOWN	951.4011	951.3997	951.4026	9.846833	9.73145
12508	M773T10_	1.080709	-0.11198	-0.36778	0.722909	0.877043	DOWN	773.4045	773.4034	773.4064	10.13963	10.06883
12509	M347T11_	1.181402	0.2405	0.372005	0.722917	0.877044	UP	347.0354	347.0352	347.0359	10.90548	10.88982
12510	M1186T10	1.07827	0.108719	0.367336	0.722936	0.877045	UP	1185.867	1185.866	1185.867	9.830558	9.715683
12511	M486T11_	1.070617	0.098442	0.367557	0.723083	0.877059	UP	486.3728	486.3724	486.3739	11.49677	11.47593
12512	M248T11_	1.142637	-0.19237	-0.3712	0.72309	0.877059	DOWN	247.6786	247.6783	247.6787	10.93208	10.85018
12513	M355T24	1.11825	-0.16124	-0.36735	0.723093	0.87706	DOWN	355.2881	355.2879	355.2882	23.74367	23.71683
12514	M217T12	1.114943	-0.15697	-0.36694	0.72322	0.877071	DOWN	217.1777	217.1775	217.1778	11.55517	11.52653
12515	M349T10_	1.073376	-0.10216	-0.36741	0.723279	0.877077	DOWN	348.7584	348.758	348.7586	9.626517	9.371417
12516	M394T24_	1.120184	-0.16374	-0.36689	0.7233	0.877079	DOWN	394.2864	394.2863	394.2866	24.12733	24.11067
12517	M239T10_	1.183003	0.242454	0.366771	0.723321	0.87708	UP	239.334	239.334	239.3341	9.9351	9.827283
12518	M563T11_	1.105876	-0.14519	-0.36808	0.723378	0.877086	DOWN	562.5354	562.535	562.5356	10.50608	10.45613
12519	M410T10_	1.200875	-0.26409	-0.36703	0.723551	0.877101	DOWN	409.7861	409.7854	409.7863	9.925417	9.827283
12520	M333T10_	1.02377	0.033892	0.370869	0.7236	0.877106	UP	332.9368	332.9367	332.9376	9.847817	9.73145
12521	M296T10_	1.055756	-0.07828	-0.36692	0.723742	0.877119	DOWN	296.3403	296.3401	296.3403	9.94405	9.853533
12522	M494T10_	1.059473	-0.08335	-0.36645	0.72388	0.877131	DOWN	493.7859	493.7856	493.7865	9.8756	9.732983
12523	M835T19_	1.269701	0.344489	0.366605	0.723964	0.877139	UP	834.8429	834.8407	834.8441	18.73233	18.717
12524	M682T10_	1.118655	-0.16177	-0.36782	0.723978	0.87714	DOWN	682.1096	682.109	682.1103	9.82645	9.7634
12525	M1066T10	1.077767	-0.10805	-0.36768	0.724055	0.877147	DOWN	1065.871	1065.871	1065.872	9.960967	9.843367
12526	M496T17_	1.129426	0.17559	0.366423	0.724114	0.877152	UP	496.3262	496.3256	496.3269	17.4245	17.39267
12527	M654T10_	1.105943	0.145276	0.366898	0.724182	0.877159	UP	653.6721	653.6667	653.6727	9.948825	9.7124
12528	M527T9_4	1.164642	-0.21989	-0.36912	0.724485	0.877186	DOWN	526.699	526.6934	526.7017	9.37735	9.098833
12529	M1736T10	1.165424	0.220854	0.366904	0.72452	0.877189	UP	1736.104	1736.103	1736.107	9.871467	9.830083

12530	M1773T10	1.08602	0.119051	0.367432	0.724528	0.87719	UP	1772.917	1772.913	1772.92	9.801833	9.7124
12531	M484T9_5	1.136063	-0.18404	-0.36506	0.724528	0.87719	DOWN	484.3853	484.3848	484.3858	8.8806	8.7575
12532	M946T10_	1.127717	0.173405	0.37337	0.724548	0.877192	UP	945.6727	945.6716	945.6735	9.626517	9.52595
12533	M299T40_	1.086304	0.119428	0.365029	0.724572	0.877194	UP	299.1487	299.1484	299.1488	40.49617	40.30917
12534	M476T20	1.160186	-0.21436	-0.36501	0.724591	0.877196	DOWN	475.933	475.9329	475.9333	19.93983	19.92517
12535	M479T9_3	1.304649	0.383661	0.376182	0.724599	0.877196	UP	478.7494	478.7482	478.7561	9.197983	9.018167
12536	M448T9_4	1.172899	-0.23008	-0.36718	0.724599	0.877196	DOWN	447.9124	447.9123	447.9126	9.146383	9.079083
12537	M265T10_	1.084626	0.117198	0.364803	0.724716	0.877207	UP	265.3186	265.3185	265.3187	9.979342	9.8753
12538	M178T10_	1.115468	0.157649	0.364753	0.72475	0.87721	UP	178.3137	178.3135	178.3138	9.968992	9.859233
12539	M406T10_	1.06989	-0.09746	-0.36628	0.724789	0.877213	DOWN	405.9354	405.9345	405.9357	9.914108	9.822117
12540	M526T9_5	1.09237	0.127462	0.376579	0.724861	0.87722	UP	526.2901	526.2898	526.2912	9.239133	9.1932
12541	M1016T13	1.059341	-0.08317	-0.37062	0.724978	0.877231	DOWN	1016.461	1016.46	1016.461	13.40553	13.37595
12542	M694T3_1	1.14793	0.199035	0.364417	0.725011	0.877233	UP	694.4938	694.4936	694.4941	3.314717	3.0588
12543	M396T11_	1.085352	-0.11816	-0.37063	0.725085	0.87724	DOWN	396.1613	396.1568	396.1617	10.90765	10.879
12544	M710T10_	1.107065	-0.14674	-0.36427	0.725115	0.877243	DOWN	710.0612	710.0602	710.0618	9.949233	9.827283
12545	M462T28_	1.178691	-0.23719	-0.36488	0.725191	0.87725	DOWN	462.3572	462.3569	462.3576	27.50475	27.47483
12546	M331T17	1.08461	0.117177	0.366968	0.7252	0.877251	UP	331.1902	331.1901	331.1904	17.03017	17
12547	M1717T10	1.081375	-0.11287	-0.36682	0.725206	0.877251	DOWN	1716.744	1716.743	1716.745	9.814283	9.699733
12548	M446T44_	1.117513	-0.16029	-0.37343	0.725433	0.877272	DOWN	446.2745	446.2743	446.2746	44.25758	44.13517
12549	M368T11_	1.09539	0.131445	0.373423	0.725511	0.877279	UP	367.5968	367.5966	367.5971	10.96015	10.92225
12550	M554T9_6	1.27659	0.352295	0.373349	0.725633	0.87729	UP	554.2054	554.2037	554.2126	9.1428	9.119933
12551	M468T9_1	1.118902	0.162083	0.368348	0.725654	0.877292	UP	468.2122	468.2117	468.213	9.231542	9.129317
12552	M180T10_	1.17574	-0.23357	-0.3641	0.725677	0.877294	DOWN	179.8471	179.8469	179.8472	9.939233	9.827283
12553	M493T9_6	1.095535	0.131635	0.367899	0.725734	0.877299	UP	493.4759	493.4755	493.4876	9.3261	9.20785
12554	M639T9_2	1.121278	-0.16514	-0.36364	0.725857	0.87731	DOWN	638.7619	638.7613	638.7626	9.311167	9.129317
12555	M1026T16	1.07675	-0.10668	-0.37349	0.726007	0.877323	DOWN	1025.521	1025.521	1025.522	15.82213	15.7888
12556	M211T11_	1.072211	-0.10059	-0.36335	0.726031	0.877326	DOWN	210.7702	210.7701	210.7703	10.892	10.873
12557	M418T20	1.076596	0.106477	0.370907	0.726042	0.877327	UP	417.7595	417.7592	417.7598	20.25217	20.23017
12558	M337T9_4	1.149448	-0.20094	-0.36313	0.726061	0.877328	DOWN	336.6834	336.6805	336.6862	9.2033	9.09495
12559	M516T11_	1.052471	-0.07378	-0.36307	0.726112	0.877333	DOWN	516.2895	516.2891	516.2898	10.892	10.879
12560	M454T24	1.278249	-0.35417	-0.36296	0.72612	0.877334	DOWN	454.3461	454.3461	454.3462	24.376	24.2595
12561	M685T10_	1.097162	0.133776	0.363607	0.726215	0.877342	UP	685.3805	685.3789	685.3812	10.22237	10.13368
12562	M209T10_	1.032925	-0.04674	-0.36679	0.726233	0.877344	DOWN	208.7861	208.786	208.7861	9.847133	9.73145
12563	M454T9_8	1.227552	-0.29578	-0.37335	0.72628	0.877348	DOWN	453.7755	453.7709	453.7796	9.411458	9.3471
12564	M825T25	1.089568	-0.12376	-0.36299	0.726288	0.877349	DOWN	824.5706	824.5701	824.571	25.34917	25.32883

12565	M384T25	1.141117	-0.19045	-0.36273	0.726289	0.877349	DOWN	384.2952	384.2949	384.2954	24.53508	24.4775
12566	M1746T10	1.128198	-0.17402	-0.36626	0.726306	0.87735	DOWN	1745.552	1745.549	1745.559	9.853633	9.73145
12567	M462T11_	1.052384	0.073661	0.362863	0.72636	0.877355	UP	462.4658	462.4657	462.4662	10.89875	10.879
12568	M470T9_7	1.146608	0.197372	0.367408	0.726364	0.877356	UP	470.3421	470.3418	470.3427	8.922033	8.863633
12569	M167T9_2	1.171005	-0.22775	-0.37122	0.726488	0.877367	DOWN	166.5306	166.5306	166.5309	9.159717	9.079083
12570	M398T11_	1.070194	-0.09787	-0.37289	0.726531	0.877371	DOWN	398.4868	398.4866	398.488	10.91813	10.88995
12571	M415T11_	1.074374	-0.1035	-0.3631	0.726592	0.877376	DOWN	415.031	415.0266	415.0312	10.892	10.879
12572	M619T10_	1.094185	-0.12986	-0.3623	0.726648	0.877381	DOWN	619.3411	619.3406	619.3416	10.07069	9.964133
12573	M419T10_	1.162188	0.216843	0.362687	0.726773	0.877392	UP	418.7645	418.7636	418.7649	9.956417	9.946367
12574	M590T11_	1.131667	0.178449	0.373638	0.726825	0.877397	UP	589.9143	589.9128	589.9152	10.53168	10.47223
12575	M474T9_2	1.30946	0.388972	0.367312	0.726835	0.877398	UP	473.7382	473.7376	473.7385	8.93015	8.863633
12576	M1880T10	1.07619	-0.10593	-0.36283	0.72685	0.877399	DOWN	1880.46	1880.458	1880.463	9.942317	9.843367
12577	M638T9_1	1.150289	-0.202	-0.36429	0.726914	0.877405	DOWN	637.5379	637.537	637.5393	8.963	8.9396
12578	M560T11_	1.135591	-0.18344	-0.36181	0.726922	0.877406	DOWN	560.4521	560.4519	560.4525	10.8838	10.83572
12579	M418T10_	1.097006	0.133572	0.369486	0.727027	0.877415	UP	418.479	418.4787	418.4792	9.931875	9.843367
12580	M876T10_	1.085553	-0.11843	-0.36504	0.727081	0.87742	DOWN	875.9854	875.9841	875.9862	10.41528	10.32768
12581	M234T11_	1.072716	0.101268	0.366238	0.727098	0.877422	UP	233.9058	233.9006	233.9108	10.92804	10.87487
12582	M261T11_	1.118946	-0.16214	-0.36148	0.727104	0.877422	DOWN	260.7721	260.7719	260.7725	10.87708	10.8646
12583	M1340T10	1.086176	-0.11926	-0.36177	0.727106	0.877422	DOWN	1339.845	1339.843	1339.848	9.924308	9.827283
12584	M824T10_	1.081587	-0.11315	-0.36319	0.727128	0.877424	DOWN	824.4855	824.4845	824.4863	9.6129	9.510117
12585	M296T11_	1.040723	-0.05759	-0.36176	0.727142	0.877426	DOWN	296.2001	296.1998	296.2002	10.90548	10.879
12586	M924T10_	1.177704	0.235977	0.367747	0.72718	0.877429	UP	924.4418	924.4408	924.4426	9.932	9.827283
12587	M338T9_7	1.106388	0.145857	0.36388	0.727211	0.877432	UP	338.1937	338.1937	338.1941	8.8316	8.54835
12588	M605T9_2	1.145224	-0.19563	-0.36443	0.72746	0.877458	DOWN	604.7082	604.7076	604.7099	9.24215	9.098833
12589	M348T10_	1.05985	-0.08386	-0.36406	0.727536	0.877466	DOWN	348.2104	348.2103	348.2106	9.8207	9.715683
12590	M224T11_	1.127489	-0.17311	-0.36128	0.727563	0.877468	DOWN	224.2121	224.212	224.2123	11.38553	11.3369
12591	M1036T18	1.157587	-0.21112	-0.36109	0.72759	0.877471	DOWN	1035.503	1035.503	1035.505	17.86375	17.84933
12592	M583T9_8	1.04742	-0.06684	-0.36073	0.727648	0.877477	DOWN	583.3775	583.3759	583.3777	8.985492	8.892117
12593	M628T37	1.077716	-0.10798	-0.3608	0.727678	0.87748	DOWN	628.4628	628.4626	628.4632	36.545	36.5385
12594	M675T10_	1.027181	-0.03869	-0.36578	0.72771	0.877484	DOWN	675.4172	675.4166	675.418	9.856808	9.743667
12595	M736T11	1.12212	0.166227	0.360651	0.727905	0.877504	UP	735.9779	735.9774	735.9788	10.8926	10.89125
12596	M564T44_	1.105069	0.144137	0.362112	0.728055	0.877519	UP	564.3374	564.3373	564.3377	44.19267	43.94817
12597	M392T19	1.043709	-0.06172	-0.36274	0.728094	0.877523	DOWN	391.5065	391.5063	391.5068	18.9655	18.95117
12598	M491T11_	1.062351	0.08726	0.362824	0.728179	0.877532	UP	491.279	491.2785	491.2793	10.90519	10.879
12599	M225T11_	1.145728	0.196264	0.367484	0.728483	0.877564	UP	225.1265	225.1205	225.1266	10.91734	10.879



12600	M172T10_	1.127263	0.172824	0.359726	0.728487	0.877564	UP	172.3481	172.3478	172.3482	9.967367	9.859233
12601	M151T10_	1.111855	-0.15297	-0.36207	0.72869	0.877585	DOWN	151.0295	151.0294	151.0296	9.946467	9.843367
12602	M197T9_2	1.099478	-0.13682	-0.36207	0.728758	0.877592	DOWN	196.9747	196.9745	196.9751	9.3471	9.29015
12603	M415T9_1	1.181169	-0.24022	-0.36665	0.728765	0.877593	DOWN	415.409	415.4075	415.4113	9.194558	9.129317
12604	M534T45	1.077056	0.107093	0.371617	0.728766	0.877593	UP	534.3269	534.3267	534.3269	44.79667	44.72483
12605	M686T10_	1.118178	-0.16115	-0.3616	0.728898	0.877607	DOWN	685.6948	685.6931	685.6959	9.944608	9.830283
12606	M250T10_	1.123664	-0.16821	-0.36155	0.729045	0.877622	DOWN	249.8712	249.871	249.8713	9.95385	9.843367
12607	M413T11_	1.077743	0.108013	0.358663	0.729133	0.877631	UP	412.5302	412.5299	412.5317	10.92349	10.89125
12608	M310T11_	1.056785	-0.07968	-0.35932	0.729154	0.877633	DOWN	310.0617	310.0615	310.0621	10.892	10.879
12609	M458T9_2	1.051523	-0.07248	-0.35849	0.72927	0.877645	DOWN	457.8886	457.8882	457.8888	9.246483	9.129317
12610	M957T9	1.157441	-0.21094	-0.359	0.729291	0.877647	DOWN	956.7498	956.7492	956.7505	9.352117	9.288883
12611	M543T12_	1.096937	0.13348	0.360745	0.729309	0.877649	UP	543.3796	543.3787	543.3798	11.62748	11.62172
12612	M1108T10	1.073664	0.102543	0.358391	0.729341	0.877652	UP	1108.091	1108.089	1108.092	9.969158	9.8753
12613	M380T11_	1.288506	-0.3657	-0.35831	0.729387	0.877657	DOWN	379.9545	379.9542	379.9551	10.90197	10.879
12614	M694T10_	1.051702	0.072726	0.36565	0.729519	0.877671	UP	693.9244	693.9242	693.926	10.26148	10.19852
12615	M344T10_	1.074101	0.103129	0.366338	0.72961	0.87768	UP	344.128	344.1278	344.1285	9.8371	9.699733
12616	M1821T10	1.111524	-0.15254	-0.35927	0.729748	0.877694	DOWN	1821.078	1821.074	1821.081	9.809	9.715683
12617	M413T9_2	1.103103	-0.14157	-0.36591	0.729861	0.877706	DOWN	412.609	412.6077	412.6093	8.964883	8.88395
12618	M227T11_	1.038686	-0.05476	-0.35957	0.729969	0.877717	DOWN	226.6937	226.6933	226.6938	10.91987	10.84487
12619	M431T11_	1.052895	-0.07436	-0.35756	0.729981	0.877719	DOWN	431.045	431.0447	431.0459	10.89875	10.8646
12620	M609T9_4	1.153341	0.205819	0.359391	0.730016	0.877722	UP	609.2393	609.2349	609.2408	9.17485	9.09495
12621	M370T10_	1.059718	-0.08368	-0.36281	0.730116	0.877732	DOWN	369.823	369.8224	369.8243	9.917167	9.811217
12622	M255T10_	1.110937	0.151777	0.357233	0.730163	0.877737	UP	254.6417	254.6416	254.6418	9.967533	9.859233
12623	M853T25	1.084019	0.116391	0.357343	0.730184	0.877739	UP	852.5433	852.5433	852.5436	25.49217	25.37617
12624	M369T11_	1.300884	0.379492	0.357243	0.730207	0.877742	UP	369.2766	369.2667	369.2791	10.9742	10.93097
12625	M622T9_5	1.130434	-0.17688	-0.35792	0.730466	0.877768	DOWN	622.3584	622.3563	622.3592	8.998625	8.932833
12626	M438T9_5	1.101318	-0.13923	-0.36004	0.73063	0.877785	DOWN	438.0928	438.0924	438.0941	8.885717	8.772383
12627	M447T11_	1.073777	0.102694	0.357053	0.730639	0.877786	UP	447.0833	447.0827	447.0837	10.892	10.879
12628	M233T11_	1.181871	-0.24107	-0.35702	0.730876	0.877811	DOWN	233.1749	233.1744	233.1845	11.1166	10.82972
12629	M685T10_	1.039917	0.056468	0.365195	0.730879	0.877811	UP	684.6797	684.6792	684.6803	9.8592	9.73145
12630	M358T10_	1.088544	0.1224	0.362222	0.730924	0.877816	UP	357.5507	357.5504	357.5509	9.94785	9.827283
12631	M1127T10	1.076095	0.105805	0.362961	0.730937	0.877817	UP	1127.125	1127.124	1127.128	9.830458	9.73145
12632	M220T9_9	1.079133	-0.10987	-0.35619	0.730938	0.877817	DOWN	219.9266	219.9261	219.9274	9.338858	9.11795
12633	M728T10_	1.048647	0.06853	0.362496	0.730997	0.877823	UP	727.8264	727.8257	727.827	9.830458	9.715683
12634	M286T26	1.075083	-0.10445	-0.35619	0.731021	0.877826	DOWN	286.2739	286.2736	286.274	26.10683	26.08883

12635	M413T11_	1.085427	-0.11826	-0.35599	0.731116	0.877835	DOWN	413.4963	413.4959	413.4979	10.93208	10.91642
12636	M381T9_1	1.269651	-0.34443	-0.35632	0.731244	0.877849	DOWN	381.2726	381.2708	381.2751	9.133667	9.04725
12637	M251T10_	1.099907	-0.13738	-0.35775	0.731333	0.877858	DOWN	250.5426	250.5424	250.5427	9.951283	9.843367
12638	M316T28_	1.29971	0.37819	0.355533	0.731446	0.877869	UP	316.2766	316.2748	316.285	28.113	28.09833
12639	M552T17_	1.075378	0.104844	0.359262	0.731468	0.877872	UP	552.4001	552.3999	552.4007	16.66527	16.57833
12640	M759T10_	1.039401	0.055752	0.355511	0.731533	0.877878	UP	759.4065	759.4056	759.4078	10.38962	10.32768
12641	M735T10_	1.19474	0.256696	0.363424	0.731658	0.877891	UP	735.0447	735.0441	735.0448	9.972917	9.8753
12642	M507T10_	1.060553	0.084817	0.36329	0.731691	0.877895	UP	506.7093	506.7088	506.7095	9.763242	9.636483
12643	M538T11_	1.095925	-0.13215	-0.35524	0.731691	0.877895	DOWN	538.0957	538.0948	538.0965	10.94254	10.8937
12644	M357T40_	1.090122	0.124489	0.356162	0.731777	0.877903	UP	357.1906	357.1904	357.1907	40.4745	40.33967
12645	M308T30	1.085655	0.118565	0.358335	0.731791	0.877905	UP	308.2793	308.2792	308.2794	29.90658	29.90533
12646	M201T10_	1.060029	-0.0841	-0.35545	0.73183	0.877909	DOWN	200.8862	200.8861	200.8864	9.8207	9.715683
12647	M293T30_	1.071067	0.099049	0.354936	0.731838	0.87791	UP	293.0384	293.0383	293.0386	29.83383	29.8195
12648	M271T11_	1.090948	-0.12558	-0.3548	0.731938	0.87792	DOWN	271.3159	271.3156	271.3159	10.90584	10.88747
12649	M374T10_	1.09427	-0.12997	-0.35508	0.731978	0.877924	DOWN	373.8336	373.8334	373.8337	9.944392	9.843367
12650	M258T10_	1.060163	0.084286	0.35872	0.732017	0.877928	UP	257.6887	257.6881	257.6893	9.823592	9.665433
12651	M520T10_	1.097462	0.134171	0.360832	0.732129	0.877939	UP	520.4219	520.4215	520.435	9.62495	9.388617
12652	M600T9_2	1.088552	0.12241	0.354294	0.732276	0.877955	UP	600.3834	600.382	600.3938	9.136725	8.86875
12653	M620T10_	1.127782	-0.17349	-0.35425	0.732394	0.877967	DOWN	619.8428	619.842	619.8431	10.06125	9.98005
12654	M1115T10	1.058419	-0.08191	-0.3651	0.732425	0.87797	DOWN	1115.497	1115.496	1115.498	9.754208	9.636483
12655	M287T43	1.05589	0.078459	0.353743	0.732699	0.877998	UP	287.1486	287.1486	287.1488	43.301	43.11433
12656	M209T10_	1.23996	0.310294	0.355068	0.732791	0.878007	UP	209.2127	209.2126	209.2129	9.971383	9.8753
12657	M342T10_	1.303052	-0.38189	-0.35405	0.732892	0.878018	DOWN	341.7965	341.7957	341.7995	9.8207	9.715683
12658	M564T42_	1.028608	-0.04069	-0.35343	0.732897	0.878018	DOWN	564.3012	564.3009	564.3014	42.14342	42.06433
12659	M432T38	1.082163	0.113918	0.365716	0.732956	0.878024	UP	432.2226	432.2224	432.2229	37.784	37.60417
12660	M217T9_1	1.066097	0.092339	0.355653	0.732964	0.878025	UP	216.6759	216.6757	216.676	9.29015	9.129317
12661	M348T10_	1.098426	-0.13544	-0.35408	0.733101	0.878039	DOWN	347.7611	347.7498	347.7615	9.743667	9.447983
12662	M654T10_	1.109911	-0.15044	-0.3532	0.733202	0.878049	DOWN	654.3505	654.3503	654.351	9.831242	9.743667
12663	M615T11	1.099241	-0.13651	-0.35462	0.733216	0.878051	DOWN	615.3065	615.3053	615.307	10.70449	10.67523
12664	M789T10_	1.153946	0.206576	0.35427	0.733308	0.87806	UP	789.2731	789.2713	789.2741	9.972917	9.859233
12665	M265T10_	1.115663	-0.1579	-0.35881	0.733338	0.878063	DOWN	264.7583	264.7581	264.7586	9.914217	9.731817
12666	M357T43_	1.125684	-0.1708	-0.36531	0.733348	0.878064	DOWN	357.1905	357.1905	357.1906	42.75458	42.68283
12667	M362T10_	1.041422	0.058555	0.352743	0.733394	0.878069	UP	362.4468	362.4467	362.4469	9.923542	9.811217
12668	M469T11_	1.067536	0.094285	0.353851	0.733433	0.878073	UP	468.6611	468.6608	468.6613	10.892	10.879
12669	M603T10_	1.112276	-0.15352	-0.35399	0.733537	0.878084	DOWN	603.3399	603.3396	603.3405	9.500008	9.432533

12670	M732T11_	1.123131	-0.16753	-0.35253	0.733546	0.878085	DOWN	731.5693	731.5689	731.5697	10.84847	10.83252
12671	M690T9_2	1.150067	0.201717	0.363868	0.733572	0.878087	UP	689.787	689.7796	689.7878	9.264333	9.1036
12672	M352T10_	1.226445	-0.29448	-0.35672	0.733594	0.87809	DOWN	351.9135	351.9127	351.9138	9.982183	9.885167
12673	M257T9_3	1.068197	-0.09518	-0.35395	0.733609	0.878091	DOWN	257.1844	257.1843	257.1845	8.660375	8.55865
12674	M365T11_	1.052604	-0.07396	-0.35285	0.733745	0.878105	DOWN	365.083	365.0828	365.0832	10.89875	10.879
12675	M553T10_	1.068496	-0.09558	-0.35241	0.733754	0.878106	DOWN	553.3216	553.3211	553.3221	9.948875	9.843367
12676	M208T9_6	1.144244	0.194395	0.352476	0.733821	0.878113	UP	207.9876	207.9867	207.9891	9.24215	9.1322
12677	M649T11	1.039134	0.055382	0.354747	0.733841	0.878115	UP	649.4141	649.4139	649.4147	11.49197	11.47593
12678	M491T13	1.075053	-0.10441	-0.35393	0.733851	0.878116	DOWN	491.3277	491.3275	491.3282	12.63128	12.61823
12679	M520T44_	1.047589	0.067073	0.35249	0.733926	0.878123	UP	520.3113	520.311	520.3114	44.375	44.33667
12680	M385T9_3	1.067103	0.093699	0.351758	0.734175	0.878149	UP	384.7718	384.7716	384.7728	8.702108	8.5728
12681	M617T10_	1.134666	0.182268	0.361119	0.734215	0.878153	UP	617.0278	617.0275	617.0303	9.98155	9.9009
12682	M396T30	1.074639	-0.10385	-0.3561	0.734253	0.878157	DOWN	396.3317	396.3314	396.3319	30.16617	30.165
12683	M559T12	1.083913	0.116249	0.351932	0.734258	0.878157	UP	559.3829	559.3825	559.3836	11.72956	11.70973
12684	M358T10_	1.098133	0.135053	0.351778	0.734375	0.878169	UP	358.2526	358.248	358.2535	9.972917	9.715683
12685	M543T13	1.040492	-0.05727	-0.35478	0.734414	0.878173	DOWN	543.3876	543.3873	543.388	12.62443	12.61638
12686	M382T41_	1.097506	0.134229	0.352311	0.734618	0.878194	UP	382.2433	382.243	382.2434	40.76225	40.6255
12687	M562T40_	1.03586	0.050829	0.352404	0.734621	0.878194	UP	562.322	562.3219	562.3223	39.5895	39.4315
12688	M502T9_6	1.098419	-0.13543	-0.35671	0.734664	0.878199	DOWN	502.2703	502.2695	502.2708	9.160542	9.12675
12689	M594T10_	1.071431	-0.09954	-0.351	0.734666	0.878199	DOWN	593.722	593.7214	593.7289	9.967367	9.859233
12690	M254T10_	1.071298	-0.09936	-0.35102	0.734702	0.878203	DOWN	253.752	253.7518	253.7522	9.827158	9.6681
12691	M349T10_	1.185605	0.245624	0.350913	0.734715	0.878204	UP	349.2005	349.2004	349.2006	9.968992	9.960967
12692	M350T39_	1.088104	-0.12182	-0.35932	0.734754	0.878208	DOWN	350.2172	350.217	350.2174	38.71933	38.61133
12693	M237T40	1.072737	-0.1013	-0.36286	0.734786	0.878211	DOWN	237.1846	237.1844	237.1847	40.30917	40.1365
12694	M343T10_	1.082895	-0.11489	-0.35271	0.734806	0.878213	DOWN	342.996	342.9958	342.996	9.977025	9.8753
12695	M1562T10	1.08523	0.118	0.355724	0.734806	0.878213	UP	1561.903	1561.898	1561.904	9.903283	9.8378
12696	M224T10_	1.145942	-0.19653	-0.35241	0.734945	0.878227	DOWN	223.7198	223.7197	223.72	9.8214	9.728083
12697	M649T10_	1.049254	-0.06936	-0.35106	0.73496	0.878229	DOWN	648.9474	648.9469	648.9485	9.864	9.73145
12698	M298T9_1	1.11998	0.163473	0.352747	0.734971	0.87823	UP	298.2014	298.2011	298.2015	9.0292	8.97035
12699	M1752T10	1.073156	0.10186	0.352973	0.735075	0.878241	UP	1752.164	1752.159	1752.165	9.9847	9.8753
12700	M772T10_	1.071601	0.099767	0.360369	0.735091	0.878242	UP	771.8088	771.8055	771.8103	9.823575	9.715683
12701	M764T10_	1.082153	-0.1139	-0.36237	0.735113	0.878245	DOWN	764.0154	764.0141	764.0189	9.907858	9.822117
12702	M1773T10	1.039645	-0.05609	-0.35756	0.735132	0.878246	DOWN	1772.528	1772.526	1772.539	9.8397	9.73145
12703	M1697T10	1.096241	-0.13257	-0.35062	0.735137	0.878247	DOWN	1697.246	1697.24	1697.247	9.8374	9.747533
12704	M441T30	1.086616	-0.11984	-0.35748	0.735161	0.878249	DOWN	441.3612	441.3608	441.3613	30.23158	30.22233

12705	M466T22_	1.079304	0.110101	0.35997	0.735193	0.878253	UP	466.1749	466.1748	466.1753	21.5445	21.49083
12706	M261T10_	1.107474	-0.14727	-0.35042	0.735207	0.878254	DOWN	261.1267	261.1265	261.1269	9.958617	9.843367
12707	M272T9_3	1.106429	0.14591	0.352328	0.73525	0.878258	UP	272.2642	272.2642	272.2643	9.493292	9.432183
12708	M405T17	1.066025	-0.09224	-0.35389	0.735302	0.878264	DOWN	405.3107	405.3105	405.3111	16.92817	16.88433
12709	M555T28	1.094518	0.130295	0.36222	0.735374	0.878271	UP	555.2773	555.2772	555.286	27.86283	27.6625
12710	M468T36	1.121666	-0.16564	-0.35047	0.735374	0.878271	DOWN	468.389	468.3888	468.3891	36.213	36.18883
12711	M433T10_	1.173889	0.231296	0.361215	0.735448	0.878279	UP	432.9106	432.9105	432.9108	9.9754	9.8753
12712	M529T30	1.071125	-0.09913	-0.3548	0.735457	0.87828	DOWN	529.4135	529.4131	529.4136	30.2805	30.266
12713	M249T11_	1.072496	-0.10097	-0.34985	0.735506	0.878284	DOWN	248.7844	248.7843	248.785	10.90628	10.8646
12714	M424T9_1	1.276754	-0.35248	-0.35235	0.735521	0.878286	DOWN	424.0349	424.0348	424.035	9.29015	9.207667
12715	M855T34	1.170623	-0.22728	-0.35105	0.73564	0.878298	DOWN	854.5842	854.584	854.5847	34.08942	34.037
12716	M436T10_	1.076694	-0.10661	-0.35006	0.735888	0.878323	DOWN	436.2208	436.2205	436.2211	9.9847	9.8753
12717	M754T11_	1.061236	-0.08575	-0.35053	0.736062	0.878341	DOWN	754.0775	754.0772	754.0782	10.89308	10.88747
12718	M235T9_8	1.346727	-0.42946	-0.34917	0.736118	0.878347	DOWN	235.1862	235.1849	235.1872	9.235933	9.146383
12719	M382T9_3	1.114727	-0.15669	-0.35428	0.736192	0.878354	DOWN	381.7474	381.7469	381.7482	8.964883	8.85435
12720	M351T10_	1.188364	0.248977	0.357302	0.736243	0.878359	UP	350.6356	350.6354	350.6357	9.8161	9.728083
12721	M348T9_4	1.135836	0.183754	0.348708	0.736378	0.878373	UP	347.9717	347.9687	347.9746	9.146383	9.098833
12722	M395T11_	1.082209	0.113979	0.349414	0.73643	0.878378	UP	395.1045	395.1041	395.1067	10.93208	10.879
12723	M251T10_	1.197788	-0.26037	-0.35197	0.736499	0.878385	DOWN	251.185	251.1849	251.1851	9.557608	9.288883
12724	M677T10_	1.101776	-0.13983	-0.34912	0.736663	0.878402	DOWN	677.1888	677.1884	677.1896	9.934533	9.827283
12725	M288T10_	1.072463	0.100928	0.352315	0.736713	0.878407	UP	288.4516	288.4513	288.452	9.948875	9.843367
12726	M213T12_	1.17891	0.237453	0.350764	0.736767	0.878413	UP	213.1673	213.1672	213.1674	12.21274	12.19523
12727	M261T20	1.122978	-0.16733	-0.34943	0.736767	0.878413	DOWN	261.2321	261.232	261.2325	19.7945	19.76683
12728	M482T10_	1.094432	-0.13018	-0.34816	0.736772	0.878413	DOWN	482.4391	482.4384	482.4396	9.778967	9.665433
12729	M652T10_	1.107529	-0.14734	-0.34803	0.736802	0.878416	DOWN	652.2868	652.2865	652.2876	9.647033	9.52595
12730	M1300T10	1.053285	0.074896	0.348037	0.736809	0.878417	UP	1299.529	1299.526	1299.531	9.999217	9.8914
12731	M621T10_	1.162559	0.217304	0.350927	0.736826	0.878419	UP	621.2516	621.2516	621.2561	9.82645	9.73145
12732	M258T9_3	1.112208	-0.15343	-0.35095	0.736944	0.878431	DOWN	257.6505	257.6498	257.6515	9.197467	9.146383
12733	M334T10_	1.117317	-0.16004	-0.34952	0.736986	0.878435	DOWN	333.9867	333.9863	333.9872	9.964092	9.859233
12734	M488T10_	1.217412	-0.28382	-0.34778	0.737021	0.878438	DOWN	488.1071	488.1063	488.1073	9.915583	9.73145
12735	M295T22_	1.201463	0.264792	0.359188	0.737066	0.878443	UP	295.2459	295.2458	295.246	21.905	21.89467
12736	M1105T10	1.069429	-0.09684	-0.35302	0.73719	0.878455	DOWN	1105.154	1105.151	1105.155	9.964092	9.859233
12737	M550T9_1	1.07715	-0.10722	-0.34858	0.737278	0.878464	DOWN	549.5817	549.5805	549.5822	9.176533	9.129317
12738	M278T10_	1.040161	0.056807	0.352573	0.737384	0.878475	UP	277.7309	277.7307	277.731	9.8729	9.7634
12739	M1209T10	1.095237	0.131244	0.349748	0.73743	0.87848	UP	1208.753	1208.752	1208.754	9.979342	9.859233

12740	M378T10_	1.038235	-0.05413	-0.34637	0.738002	0.878538	DOWN	377.5729	377.5726	377.573	9.918792	9.811217
12741	M410T10_	1.0743	-0.1034	-0.35342	0.738042	0.878542	DOWN	409.8916	409.8913	409.8917	9.946467	9.859233
12742	M740T11_	1.105844	-0.14515	-0.35411	0.738095	0.878547	DOWN	739.536	739.5265	739.5371	10.92425	10.87765
12743	M359T42	1.032204	0.045728	0.357475	0.738124	0.87855	UP	359.2063	359.2062	359.2064	41.86267	41.84833
12744	M544T10_	1.074152	-0.1032	-0.35083	0.738144	0.878552	DOWN	544.3225	544.322	544.3235	10.30356	10.27583
12745	M680T27_	1.120487	-0.16413	-0.34738	0.73824	0.878562	DOWN	679.5116	679.5111	679.5117	26.93275	26.69467
12746	M617T35	1.234265	0.303652	0.357982	0.738261	0.878564	UP	617.426	617.4258	617.4266	34.5285	34.45083
12747	M343T11_	1.154581	0.20737	0.347236	0.73829	0.878567	UP	343.238	343.2378	343.2388	11.27932	11.2423
12748	M160T10_	1.105493	-0.14469	-0.35045	0.738357	0.878574	DOWN	159.7884	159.7883	159.7885	9.95825	9.843367
12749	M729T10_	1.096153	0.132449	0.346175	0.738454	0.878583	UP	729.0812	729.0798	729.0818	9.923125	9.827283
12750	M672T10_	1.083278	0.115404	0.348686	0.738474	0.878585	UP	671.8647	671.8643	671.8652	9.859983	9.759383
12751	M315T28_	1.241448	0.312024	0.346545	0.738576	0.878596	UP	315.1953	315.195	315.1958	28.19992	28.11283
12752	M168T9_2	1.16145	-0.21593	-0.34678	0.738618	0.8786	DOWN	168.1026	168.1026	168.1029	9.140067	9.1178
12753	M305T11_	1.071615	0.099787	0.351841	0.738636	0.878602	UP	305.2817	305.2812	305.2835	10.91371	10.879
12754	M1260T11	1.060926	0.085325	0.348008	0.738713	0.878609	UP	1259.669	1259.667	1259.67	10.89875	10.879
12755	M201T10_	1.062021	-0.08681	-0.34651	0.738791	0.878617	DOWN	201.1022	201.1021	201.1023	9.970617	9.8753
12756	M533T10_	1.046312	-0.06531	-0.3453	0.738797	0.878618	DOWN	533.0892	533.0888	533.0902	9.931875	9.827283
12757	M178T10_	1.119403	-0.16273	-0.35099	0.738893	0.878628	DOWN	177.7638	177.7576	177.7639	9.975217	9.853533
12758	M219T11_	1.056372	0.079118	0.345324	0.738944	0.878633	UP	218.662	218.6619	218.6621	11.49131	11.47593
12759	M199T9_2	1.068722	0.095887	0.354256	0.73898	0.878636	UP	198.7355	198.7351	198.7357	9.342208	9.219483
12760	M1227T21	1.097373	0.134054	0.349788	0.739032	0.878642	UP	1226.603	1226.601	1226.605	20.8025	20.76533
12761	M220T11_	1.05301	-0.07452	-0.34506	0.739039	0.878642	DOWN	219.7728	219.7726	219.773	10.89875	10.879
12762	M401T11_	1.296489	0.374611	0.344965	0.739054	0.878644	UP	401.3068	401.3011	401.3099	10.93655	10.85838
12763	M221T30_	1.027902	0.039703	0.344908	0.739135	0.878652	UP	221.1171	221.117	221.1171	29.83392	29.8195
12764	M591T10_	1.054861	-0.07705	-0.34561	0.739136	0.878652	DOWN	591.1774	591.1767	591.1779	9.958617	9.843367
12765	M371T17	1.129707	0.175948	0.354826	0.739141	0.878653	UP	371.24	371.2396	371.2402	16.8835	16.86967
12766	M425T9	1.096396	-0.13277	-0.35273	0.739375	0.878676	DOWN	425.2921	425.2917	425.2924	9.317	9.234417
12767	M464T37_	1.045761	0.064554	0.354747	0.739399	0.878679	UP	464.285	464.2848	464.2853	37.25908	37.14417
12768	M395T9_5	1.072649	0.101178	0.347425	0.739494	0.878688	UP	395.1205	395.1194	395.125	9.259617	9.129317
12769	M1395T11	1.131042	-0.17765	-0.34521	0.739544	0.878693	DOWN	1394.94	1394.939	1394.942	10.84581	10.8214
12770	M303T10_	1.127553	-0.1732	-0.34795	0.739591	0.878698	DOWN	303.4805	303.4779	303.4808	9.842	9.811217
12771	M627T10_	1.055125	-0.07741	-0.34412	0.739668	0.878706	DOWN	627.3562	627.354	627.3564	9.670342	9.319233
12772	M329T15	1.041575	-0.05877	-0.35019	0.739668	0.878706	DOWN	329.2877	329.2874	329.288	15.16817	15.1023
12773	M490T39_	1.035426	0.050224	0.346513	0.739672	0.878706	UP	490.2644	490.2641	490.2647	38.74083	38.55367
12774	M429T9_6	1.047822	0.067393	0.344202	0.73971	0.87871	UP	429.2635	429.263	429.2637	9.240392	9.129317

12775	M1308T10	1.073622	-0.10249	-0.34405	0.739742	0.878713	DOWN	1307.728	1307.725	1307.729	9.934533	9.827283
12776	M406T9_1	1.046287	0.065279	0.343986	0.739757	0.878715	UP	405.5241	405.5238	405.5242	8.817842	8.715883
12777	M544T13	1.047463	-0.0669	-0.34732	0.739792	0.878718	DOWN	544.3909	544.3907	544.3913	12.61766	12.61627
12778	M208T10_	1.058736	0.082342	0.344994	0.739822	0.878721	UP	207.9586	207.9585	207.9587	9.956867	9.859233
12779	M476T11_	1.122164	-0.16628	-0.34425	0.739923	0.878731	DOWN	476.1277	476.1273	476.1286	10.88982	10.84828
12780	M355T44_	1.054266	-0.07624	-0.35015	0.739967	0.878736	DOWN	355.2113	355.2112	355.2115	43.82608	43.747
12781	M162T11	1.060686	-0.085	-0.34407	0.740245	0.878764	DOWN	161.8772	161.8771	161.8773	10.89907	10.879
12782	M259T10_	1.167296	-0.22317	-0.34373	0.74032	0.878771	DOWN	258.5864	258.5864	258.5866	9.746783	9.636483
12783	M438T11_	1.088792	0.122729	0.343132	0.740344	0.878774	UP	438.0747	438.0746	438.075	10.89875	10.879
12784	M376T11_	1.183155	0.242639	0.344075	0.740352	0.878775	UP	376.4751	376.4744	376.4754	10.8914	10.86008
12785	M729T10_	1.07145	0.099565	0.351384	0.740354	0.878775	UP	729.1328	729.1323	729.1331	9.910333	9.811217
12786	M471T11_	1.11365	0.155296	0.348422	0.740552	0.878795	UP	470.5389	470.5371	470.5399	10.91376	10.877
12787	M1144T10	1.109126	-0.14942	-0.3426	0.740753	0.878815	DOWN	1144.225	1144.224	1144.226	9.986767	9.8753
12788	M368T10_	1.057008	-0.07999	-0.34543	0.740917	0.878831	DOWN	368.2544	368.2542	368.2546	10.31728	10.26307
12789	M448T10_	1.069006	-0.09627	-0.34264	0.740935	0.878833	DOWN	448.4317	448.4314	448.4322	9.972917	9.859233
12790	M1265T11	1.067703	0.094511	0.34693	0.740978	0.878837	UP	1265.257	1265.253	1265.258	10.93468	10.88982
12791	M322T9_1	1.10951	-0.14992	-0.34206	0.74112	0.878852	DOWN	321.6504	321.65	321.6507	9.296458	9.219483
12792	M262T14	1.117011	0.159644	0.346093	0.741139	0.878854	UP	262.1126	262.1123	262.1128	13.97546	13.97437
12793	M702T33	1.065405	-0.0914	-0.34259	0.741196	0.878859	DOWN	702.4999	702.4992	702.5	33.47033	33.45683
12794	M835T33	1.12251	-0.16673	-0.34193	0.741216	0.878861	DOWN	834.579	834.5786	834.5809	33.28267	33.26833
12795	M360T11_	1.251562	0.32373	0.342257	0.74122	0.878862	UP	360.4498	360.4493	360.45	10.87708	10.8214
12796	M269T11_	1.09096	0.125598	0.341828	0.741302	0.87887	UP	269.1897	269.1896	269.19	11.25459	11.22177
12797	M439T9_3	1.161003	-0.21537	-0.34285	0.741345	0.878874	DOWN	439.1799	439.1797	439.1803	9.008317	8.960667
12798	M472T11_	1.069638	0.097122	0.348751	0.741438	0.878884	UP	471.7152	471.7138	471.716	10.90551	10.879
12799	M364T9_1	1.162157	0.216805	0.352499	0.741592	0.878899	UP	364.1479	364.1473	364.1481	9.268917	9.219483
12800	M206T9_1	1.163871	-0.21893	-0.35059	0.741599	0.8789	DOWN	205.8483	205.8458	205.8492	9.295167	9.0511
12801	M343T10_	1.085451	-0.11829	-0.34466	0.741697	0.878909	DOWN	342.5045	342.5042	342.5046	9.985117	9.8753
12802	M466T10_	1.028455	-0.04048	-0.34126	0.741714	0.878911	DOWN	466.3801	466.38	466.3804	9.816142	9.699733
12803	M660T10_	1.086949	-0.12028	-0.34173	0.741718	0.878912	DOWN	660.3447	660.3444	660.3449	10.44611	10.40807
12804	M1065T10	1.110794	0.151591	0.345102	0.741734	0.878913	UP	1064.713	1064.711	1064.714	9.960967	9.853533
12805	M492T9_6	1.244027	0.315017	0.346285	0.741786	0.878918	UP	492.3523	492.3518	492.3525	9.174883	9.129317
12806	M360T9_1	1.229823	0.298451	0.344036	0.741928	0.878933	UP	360.2655	360.2651	360.2659	9.06855	9.00135
12807	M716T9_1	1.115644	-0.15788	-0.34091	0.741955	0.878935	DOWN	715.8271	715.8265	715.8276	9.365833	9.1428
12808	M594T9_3	1.068224	-0.09521	-0.34086	0.742012	0.878941	DOWN	594.2983	594.2901	594.2987	9.276833	9.1158
12809	M197T10_	1.121692	-0.16568	-0.34102	0.742022	0.878942	DOWN	196.5493	196.5424	196.5496	9.902617	9.743767

12810	M728T10_	1.031733	0.045069	0.34577	0.742042	0.878944	UP	727.7738	727.7735	727.7743	9.825492	9.715683
12811	M165T10_	1.150457	0.202207	0.340975	0.742107	0.878951	UP	165.0792	165.0756	165.0795	9.954175	9.827283
12812	M559T10_	1.138539	0.187184	0.345312	0.742113	0.878951	UP	559.4625	559.462	559.4629	9.975217	9.859233
12813	M608T35	1.074969	0.104295	0.352406	0.742131	0.878953	UP	608.3641	608.3638	608.3645	35.27767	35.18417
12814	M469T25	1.096784	0.133279	0.340598	0.742197	0.87896	UP	469.1827	469.1823	469.1832	24.84783	24.84
12815	M417T24	1.181053	0.240073	0.351047	0.74221	0.878961	UP	417.2817	417.2815	417.2818	24.04158	24.00833
12816	M577T18_	1.097404	0.134094	0.350089	0.742269	0.878967	UP	577.3744	577.3743	577.3747	17.85508	17.54217
12817	M1740T10	1.137788	-0.18623	-0.34088	0.742346	0.878974	DOWN	1740.205	1740.199	1740.212	9.816183	9.715683
12818	M447T10_	1.078001	-0.10836	-0.34024	0.742474	0.878987	DOWN	447.2687	447.2682	447.2698	9.8207	9.699733
12819	M520T38_	1.040764	0.057643	0.344028	0.742568	0.878997	UP	520.2748	520.2747	520.2752	38.4675	38.266
12820	M408T10_	1.075583	-0.10512	-0.34432	0.742604	0.879	DOWN	407.8306	407.8303	407.8325	9.902008	9.79535
12821	M363T10_	1.074137	-0.10318	-0.3477	0.742657	0.879006	DOWN	362.5185	362.5184	362.519	9.994767	9.8753
12822	M250T10_	1.102605	-0.14092	-0.34054	0.742822	0.879022	DOWN	250.3186	250.3183	250.3187	9.934533	9.827283
12823	M354T10_	1.049455	0.06964	0.347078	0.742949	0.879035	UP	354.4639	354.4638	354.4642	9.8207	9.699733
12824	M622T31	1.186721	0.246981	0.339561	0.743053	0.879045	UP	622.4432	622.4415	622.4438	31.436	31.36783
12825	M471T10_	1.077588	0.107805	0.344081	0.743068	0.879047	UP	470.6894	470.6888	470.6896	9.903017	9.827283
12826	M708T10_	1.086235	-0.11934	-0.34548	0.743075	0.879047	DOWN	707.9755	707.9742	707.9784	9.95605	9.811217
12827	M273T10_	1.104683	0.143632	0.339414	0.743082	0.879048	UP	273.1718	273.1715	273.172	9.951283	9.843367
12828	M442T36	1.162242	-0.21691	-0.34123	0.743083	0.879048	DOWN	442.416	442.4158	442.4167	35.94917	35.92017
12829	M439T9_2	1.110618	0.151363	0.343986	0.743091	0.879049	UP	439.1683	439.1681	439.1686	9.231542	9.12675
12830	M241T11_	1.546392	0.628906	0.344885	0.743139	0.879054	UP	241.2034	241.2033	241.2035	10.67538	10.64453
12831	M289T10_	1.05515	0.077448	0.342777	0.743147	0.879055	UP	288.6218	288.6216	288.6222	9.957333	9.843367
12832	M173T9_4	1.123843	-0.16844	-0.33925	0.743158	0.879056	DOWN	172.9967	172.9964	172.9974	9.146875	9.126783
12833	M295T7_2	1.152827	0.205177	0.340753	0.743221	0.879062	UP	294.9385	294.9384	294.9386	6.663033	6.526633
12834	M622T37_	1.055216	-0.07754	-0.34752	0.743257	0.879065	DOWN	622.3436	622.3434	622.3438	36.75692	36.64067
12835	M702T11_	1.040967	-0.05792	-0.34079	0.743258	0.879066	DOWN	702.497	702.4969	702.4971	11.29896	11.20712
12836	M1318T45	1.064267	0.08986	0.338971	0.743358	0.879076	UP	1317.928	1317.927	1317.93	44.68267	44.65283
12837	M182T9_4	1.142673	-0.19241	-0.34043	0.743385	0.879078	DOWN	181.9116	181.9111	181.9123	9.160617	9.064833
12838	M547T9_4	1.152135	0.204309	0.33891	0.743412	0.879081	UP	546.8629	546.8617	546.8634	8.853017	8.7891
12839	M272T25	1.051067	-0.07186	-0.33937	0.743503	0.87909	DOWN	272.2945	272.2942	272.2946	24.76842	24.76717
12840	M793T11_	1.074784	-0.10405	-0.33966	0.743505	0.87909	DOWN	793.4709	793.4691	793.4712	10.52483	10.47197
12841	M416T42_	1.086551	-0.11976	-0.35024	0.743532	0.879093	DOWN	416.2641	416.2638	416.2641	41.74767	41.69
12842	M193T10_	1.082448	-0.1143	-0.34063	0.743657	0.879105	DOWN	193.4192	193.419	193.4193	9.960817	9.859233
12843	M334T9_3	1.100763	-0.1385	-0.3413	0.743663	0.879106	DOWN	334.0786	334.0781	334.0788	9.333667	9.250817
12844	M420T10_	1.079145	0.109889	0.340523	0.743704	0.87911	UP	419.6693	419.6692	419.6704	9.967367	9.8753

12845	M323T10_	1.304213	-0.38318	-0.345	0.743726	0.879112	DOWN	323.2324	323.2321	323.2337	9.964133	9.728083
12846	M171T10_	1.118594	-0.16169	-0.33929	0.743729	0.879113	DOWN	170.9728	170.9727	170.9729	9.82645	9.715683
12847	M218T14	1.099226	-0.13649	-0.34508	0.743733	0.879113	DOWN	218.1536	218.1528	218.1538	14.06348	14.01913
12848	M496T10_	1.085271	-0.11805	-0.33864	0.743768	0.879116	DOWN	496.0732	496.0732	496.0737	9.8374	9.79065
12849	M431T10_	1.046496	-0.06557	-0.33994	0.743774	0.879117	DOWN	431.2472	431.2468	431.2517	9.62495	9.345767
12850	M252T17	1.0432	0.061015	0.345407	0.743893	0.879131	UP	252.2319	252.2318	252.232	17.351	17.334
12851	M585T9_2	1.104141	-0.14292	-0.33935	0.743942	0.879136	DOWN	585.287	585.2862	585.2878	9.182825	9.11795
12852	M504T9_2	1.126878	-0.17233	-0.33925	0.743997	0.879143	DOWN	503.5974	503.5968	503.6037	9.284283	9.22495
12853	M1991T10	1.131178	-0.17783	-0.34142	0.744223	0.879169	DOWN	1991.06	1991.058	1991.062	9.830733	9.715683
12854	M332T10_	1.046414	0.065454	0.338302	0.744502	0.879201	UP	331.7564	331.7523	331.7567	9.880375	9.728083
12855	M421T11_	1.075331	-0.10478	-0.33976	0.744527	0.879204	DOWN	420.9999	420.9997	421.0001	10.89945	10.879
12856	M195T11_	1.252241	-0.32451	-0.3381	0.744739	0.879228	DOWN	195.0373	195.0373	195.0378	10.93622	10.879
12857	M827T10_	1.115599	0.157819	0.343004	0.744746	0.879229	UP	826.5744	826.5738	826.5746	10.10432	10.02042
12858	M475T9_1	1.054363	0.076372	0.336947	0.744864	0.879243	UP	475.3232	475.323	475.3234	9.206	9.11405
12859	M311T9_1	1.116229	-0.15863	-0.34035	0.744884	0.879245	DOWN	310.5189	310.5186	310.5228	9.188783	9.110833
12860	M288T10_	1.055914	0.078493	0.340718	0.74496	0.879254	UP	287.9787	287.9784	287.979	9.944392	9.827283
12861	M288T11_	1.222862	0.290262	0.341401	0.745027	0.879261	UP	287.6082	287.6078	287.6083	10.95229	10.87487
12862	M381T9_9	1.04246	-0.05999	-0.3372	0.745074	0.879267	DOWN	381.2564	381.2561	381.2566	8.847867	8.7575
12863	M208T9_3	1.097518	-0.13424	-0.33854	0.745112	0.879271	DOWN	207.6979	207.6975	207.6984	9.3735	9.132267
12864	M655T10_	1.087113	0.120502	0.336751	0.745117	0.879272	UP	654.9687	654.9685	654.9689	9.958617	9.843367
12865	M599T10_	1.060102	-0.0842	-0.34001	0.745142	0.879275	DOWN	599.3034	599.3029	599.3038	9.584833	9.49445
12866	M419T15	1.349559	0.432489	0.339235	0.745281	0.879291	UP	419.2171	419.2169	419.2177	14.93506	14.89615
12867	M812T10_	1.114228	-0.15604	-0.33809	0.745335	0.879297	DOWN	812.4416	812.4413	812.442	9.968992	9.843367
12868	M210T9_4	1.118552	-0.16163	-0.34758	0.745375	0.879301	DOWN	210.1101	210.11	210.1101	8.97505	8.9519
12869	M684T9_2	1.154189	-0.20688	-0.33608	0.745511	0.879317	DOWN	684.0498	684.0484	684.0522	9.146383	9.079083
12870	M298T31	1.0981	-0.13501	-0.33599	0.74555	0.879322	DOWN	298.3102	298.31	298.3103	30.85	30.82917
12871	M629T37	1.06811	-0.09506	-0.3361	0.745669	0.879335	DOWN	629.4663	629.466	629.467	36.55042	36.5385
12872	M423T9_2	1.180155	-0.23898	-0.34073	0.745778	0.879348	DOWN	422.7534	422.7534	422.754	9.2529	9.1587
12873	M555T11_	1.070958	-0.0989	-0.34175	0.745788	0.879349	DOWN	555.4675	555.4671	555.4679	10.77258	10.74145
12874	M533T9_1	1.107187	-0.1469	-0.33563	0.745802	0.87935	DOWN	532.8311	532.83	532.8324	9.333667	9.1158
12875	M520T44_	1.051164	-0.07199	-0.33852	0.745895	0.879361	DOWN	520.2749	520.2746	520.275	44.2505	44.13517
12876	M259T10_	1.047863	-0.06745	-0.33619	0.74598	0.879371	DOWN	259.2016	259.2015	259.2017	9.964092	9.843367
12877	M310T9_4	1.147477	-0.19846	-0.33667	0.746035	0.879377	DOWN	309.9516	309.9413	309.9527	9.160633	9.12675
12878	M791T10_	1.073822	-0.10275	-0.3435	0.746082	0.879383	DOWN	791.4526	791.4518	791.4532	9.649542	9.52595
12879	M476T9_8	1.132053	-0.17894	-0.33498	0.746266	0.879404	DOWN	476.0178	476.0113	476.0189	9.285617	9.17485



12880	M256T10_	1.146292	0.196974	0.336217	0.74634	0.879412	UP	255.8241	255.8239	255.8243	9.9677	9.946367
12881	M401T9_1	1.10516	-0.14426	-0.33633	0.746341	0.879412	DOWN	400.5149	400.5144	400.5163	9.320067	9.204617
12882	M335T9_1	1.139207	-0.18803	-0.33563	0.746431	0.879422	DOWN	335.3608	335.3603	335.3658	9.276958	9.1503
12883	M201T10_	1.082386	-0.11421	-0.3365	0.746475	0.879428	DOWN	200.7915	200.791	200.7918	9.852642	9.65225
12884	M704T10_	1.018355	-0.02624	-0.33879	0.746479	0.879428	DOWN	703.5486	703.5483	703.5489	9.83135	9.715683
12885	M672T36	1.075337	-0.10479	-0.33475	0.746491	0.879429	DOWN	672.4893	672.489	672.4896	36.32342	36.30683
12886	M380T26	1.050808	0.0715	0.334799	0.746494	0.87943	UP	380.2791	380.2789	380.2793	26.42	26.39083
12887	M452T11_	1.064632	-0.09036	-0.33532	0.746579	0.87944	DOWN	451.5899	451.5894	451.5905	10.91864	10.87487
12888	M815T10_	1.140852	-0.19011	-0.3344	0.746697	0.879453	DOWN	815.2444	815.2421	815.2446	9.893742	9.79535
12889	M753T10_	1.142346	0.192	0.339357	0.746734	0.879457	UP	752.7467	752.7465	752.7476	9.818525	9.77435
12890	M385T14	1.084783	0.117407	0.342449	0.746735	0.879457	UP	385.2813	385.2811	385.2816	13.69715	13.63873
12891	M564T45_	1.055147	0.077445	0.334408	0.746737	0.879458	UP	564.3013	564.3012	564.3015	44.705	44.59567
12892	M495T9_7	1.163778	-0.21882	-0.33424	0.746791	0.879464	DOWN	494.8319	494.8311	494.8321	9.206033	9.174917
12893	M337T10_	1.038174	-0.05405	-0.33509	0.746801	0.879465	DOWN	337.0228	337.0224	337.0229	9.740517	9.62055
12894	M311T19_	1.04897	-0.06897	-0.33413	0.746953	0.879482	DOWN	310.7447	310.7445	310.7448	18.64258	18.62883
12895	M577T9_5	1.169519	0.225915	0.33394	0.747046	0.879493	UP	577.3726	577.3722	577.3734	8.886133	8.8398
12896	M384T10_	1.132421	0.179411	0.33654	0.747155	0.879505	UP	383.8052	383.8051	383.8056	9.716533	9.634283
12897	M181T10_	1.120955	0.164728	0.335365	0.747208	0.879512	UP	181.0963	181.0961	181.0964	9.967367	9.859233
12898	M512T9_7	1.151163	0.203092	0.333715	0.747257	0.879517	UP	512.4107	512.4102	512.4113	9.29015	9.175017
12899	M376T20	1.041715	-0.05896	-0.33372	0.747344	0.879527	DOWN	376.3038	376.3037	376.3039	20.24517	20.23017
12900	M969T9	1.209688	-0.27463	-0.33365	0.747589	0.879555	DOWN	968.5704	968.5694	968.5715	8.88325	8.83365
12901	M397T11_	1.094767	0.130623	0.333858	0.747644	0.879561	UP	397.3659	397.3609	397.3665	10.87765	10.87708
12902	M567T20	1.069559	-0.09702	-0.33918	0.747729	0.879571	DOWN	567.4349	567.4345	567.4356	19.5195	19.5125
12903	M1736T10	1.090314	0.124744	0.342574	0.747921	0.879593	UP	1735.934	1735.931	1735.943	9.8397	9.73145
12904	M231T13	1.12342	0.167897	0.337185	0.74796	0.879597	UP	231.1932	231.1931	231.1934	12.7037	12.68958
12905	M313T9_7	1.174147	0.231613	0.339312	0.747966	0.879598	UP	313.1268	313.1261	313.1273	9.315217	9.232283
12906	M253T11_	1.128542	0.17446	0.333778	0.747976	0.879599	UP	253.1442	253.1439	253.1445	10.8957	10.82972
12907	M654T11_	1.071857	-0.10011	-0.33286	0.747982	0.8796	DOWN	654.2845	654.2842	654.2851	11.47531	11.44683
12908	M279T10_	1.027438	-0.03905	-0.34158	0.748065	0.879609	DOWN	278.67	278.6699	278.6701	9.933967	9.827283
12909	M309T10_	1.082048	0.113765	0.332386	0.748205	0.879625	UP	308.9792	308.9788	308.9793	9.950258	9.843367
12910	M578T10_	1.26207	0.335792	0.33316	0.748311	0.879637	UP	578.3633	578.3628	578.3698	9.994767	9.932567
12911	M349T7	1.059868	-0.08388	-0.33381	0.748331	0.87964	DOWN	349.1829	349.1827	349.1832	6.976933	6.910217
12912	M159T10_	1.085063	-0.11778	-0.33536	0.748346	0.879641	DOWN	159.0205	159.0205	159.0206	9.758283	9.636483
12913	M335T12	1.049487	0.069684	0.333168	0.748358	0.879643	UP	335.2021	335.2021	335.2024	12.25267	12.2372
12914	M1290T26	1.131643	-0.17842	-0.33267	0.748369	0.879644	DOWN	1289.945	1289.945	1289.947	26.01083	25.90867

12915	M261T10_	1.086745	-0.12001	-0.33205	0.748394	0.879647	DOWN	260.8551	260.8545	260.8552	9.945775	9.827283
12916	M358T10_	1.079071	-0.10979	-0.33214	0.748423	0.87965	DOWN	358.3167	358.3165	358.3168	9.94785	9.843367
12917	M387T11_	1.060275	-0.08444	-0.33626	0.748434	0.879651	DOWN	386.7109	386.7063	386.7114	10.90669	10.88995
12918	M360T11_	1.068864	-0.09608	-0.33256	0.74866	0.879677	DOWN	360.0626	360.0624	360.0628	10.89133	10.8646
12919	M453T9_1	1.268005	0.34256	0.332677	0.74867	0.879678	UP	452.5449	452.5321	452.5462	9.224517	9.130683
12920	M182T11_	1.062506	-0.08747	-0.33271	0.748734	0.879686	DOWN	182.4605	182.4604	182.4605	10.892	10.873
12921	M1041T10	1.132012	-0.17889	-0.33193	0.748827	0.879696	DOWN	1041.005	1041.003	1041.006	9.91765	9.811217
12922	M333T29	1.084261	-0.11671	-0.33493	0.748871	0.879701	DOWN	333.3189	333.3187	333.3191	28.70517	28.7
12923	M599T9_3	1.108961	-0.14921	-0.332	0.748915	0.879706	DOWN	599.3905	599.3897	599.3907	8.917733	8.818733
12924	M466T17	1.108535	-0.14865	-0.33142	0.748942	0.879709	DOWN	466.3157	466.3155	466.3158	17.2925	17.24667
12925	M573T30	1.070144	-0.0978	-0.33492	0.748969	0.879712	DOWN	573.4399	573.4394	573.44	30.2805	30.266
12926	M400T9_7	1.153865	-0.20647	-0.33186	0.748999	0.879716	DOWN	400.2207	400.2204	400.221	8.952283	8.9396
12927	M580T9_2	1.131586	0.178346	0.331175	0.749066	0.879723	UP	579.8651	579.8607	579.8706	9.2033	9.12675
12928	M346T10_	1.121728	0.165723	0.330987	0.749203	0.879739	UP	346.1459	346.1431	346.146	9.946467	9.827283
12929	M534T41_	1.045449	0.064122	0.330934	0.749208	0.87974	UP	534.2906	534.2903	534.291	41.38792	41.25833
12930	M347T21_	1.111951	-0.15309	-0.33319	0.749229	0.879742	DOWN	347.1003	347.1	347.1006	20.6365	20.57667
12931	M389T10_	1.054899	-0.07711	-0.33348	0.749237	0.879743	DOWN	389.2545	389.2542	389.2547	9.958617	9.843367
12932	M360T11_	1.082035	-0.11375	-0.3332	0.749262	0.879746	DOWN	359.7534	359.7519	359.7544	10.91931	10.8914
12933	M616T19	1.081966	-0.11366	-0.33139	0.749397	0.879761	DOWN	615.916	615.9154	615.9163	18.64183	18.629
12934	M289T20_	1.082987	-0.11502	-0.33721	0.749441	0.879766	DOWN	289.1989	289.1988	289.1991	20.04108	20.02717
12935	M315T11_	1.069786	-0.09732	-0.33174	0.74953	0.879776	DOWN	315.1318	315.1316	315.1319	10.8914	10.879
12936	M420T10_	1.156298	0.209514	0.336474	0.749598	0.879784	UP	419.5166	419.5164	419.5169	9.92625	9.827283
12937	M1966T10	1.092477	0.127603	0.334999	0.749691	0.879795	UP	1965.964	1965.961	1965.966	9.856867	9.787433
12938	M1148T10	1.081523	-0.11306	-0.33038	0.749838	0.879811	DOWN	1147.973	1147.972	1147.974	9.5682	9.46325
12939	M469T9_6	1.127346	0.172931	0.334633	0.749861	0.879814	UP	469.2651	469.2643	469.266	9.250558	9.129317
12940	M225T10_	1.285262	-0.36206	-0.33001	0.749988	0.879828	DOWN	224.5941	224.5938	224.5942	9.964092	9.859233
12941	M504T43_	1.055726	0.078235	0.33524	0.750018	0.879832	UP	504.2799	504.2798	504.2801	42.71133	42.582
12942	M201T9_1	1.149966	-0.20159	-0.32977	0.75005	0.879835	DOWN	201.2119	201.211	201.2207	9.166033	9.1587
12943	M774T10_	1.070168	-0.09784	-0.33009	0.75007	0.879838	DOWN	773.9346	773.9341	773.9358	10.44626	10.39197
12944	M1037T32	1.135884	-0.18382	-0.33009	0.7501	0.879841	DOWN	1036.768	1036.767	1036.769	31.80333	31.75333
12945	M221T9_1	1.246306	-0.31766	-0.33004	0.750112	0.879842	DOWN	220.5077	220.5073	220.5086	9.295292	9.103733
12946	M299T40_	1.087555	0.121088	0.33601	0.75012	0.879843	UP	299.185	299.1849	299.1852	39.71917	39.56083
12947	M327T11_	1.107817	0.14772	0.331015	0.750123	0.879844	UP	327.0542	327.0532	327.0558	10.92253	10.88982
12948	M856T34	1.113825	-0.15552	-0.32969	0.750262	0.879859	DOWN	855.5875	855.5874	855.5876	34.076	34.04833
12949	M212T9_1	1.429104	-0.51511	-0.33239	0.750326	0.879867	DOWN	212.266	212.2646	212.2677	9.295167	9.103733

12950	M1010T10	1.124365	0.16911	0.333321	0.750351	0.87987	UP	1010.215	1010.213	1010.216	9.849992	9.729367
12951	M555T30	1.065255	-0.0912	-0.33217	0.750363	0.879871	DOWN	555.4098	555.4094	555.41	30.28092	30.266
12952	M223T10_	1.046387	0.065416	0.329883	0.750376	0.879872	UP	223.07	223.0698	223.0701	9.979667	9.8753
12953	M1658T10	1.142347	0.192001	0.331729	0.750407	0.879877	UP	1657.66	1657.658	1657.663	9.973467	9.859233
12954	M293T11_	1.072197	0.10057	0.331145	0.750408	0.879877	UP	293.222	293.2219	293.2222	10.96015	10.90785
12955	M1091T10	1.064631	0.090354	0.329937	0.750552	0.879897	UP	1090.739	1090.736	1090.74	9.819617	9.76065
12956	M786T10_	1.163763	0.218798	0.330428	0.750657	0.879912	UP	786.3675	786.3658	786.3681	9.979342	9.859233
12957	M566T9_2	1.123215	-0.16763	-0.32908	0.750701	0.879918	DOWN	566.3317	566.3296	566.332	9.024133	8.94795
12958	M327T10_	1.105748	-0.14502	-0.33852	0.750711	0.87992	DOWN	327.3488	327.3463	327.35	9.840617	9.73145
12959	M580T20	1.071326	-0.0994	-0.32883	0.75073	0.879922	DOWN	580.3755	580.3743	580.3772	19.72317	19.685
12960	M427T11_	1.100023	-0.13753	-0.33049	0.750786	0.87993	DOWN	426.8799	426.8796	426.8875	10.89308	10.873
12961	M1894T10	1.163313	-0.21824	-0.32897	0.750835	0.879937	DOWN	1894.459	1894.453	1894.461	9.946467	9.853533
12962	M679T10_	1.12659	0.171963	0.33254	0.750869	0.879942	UP	678.9693	678.9633	678.9709	9.816133	9.7124
12963	M348T10_	1.029806	0.042373	0.334991	0.750873	0.879942	UP	347.6273	347.6271	347.6273	9.864467	9.73145
12964	M210T9_3	1.11	0.15056	0.334982	0.750915	0.879948	UP	209.8544	209.8544	209.8545	9.196525	9.11405
12965	M517T36	1.099711	-0.13712	-0.32905	0.75097	0.879956	DOWN	517.3707	517.3701	517.3717	36.13633	36.126
12966	M415T44	1.088563	0.122425	0.338111	0.751156	0.879982	UP	415.2323	415.2322	415.2324	43.95667	43.74683
12967	M584T9_1	1.148497	-0.19975	-0.33087	0.751166	0.879984	DOWN	583.717	583.7165	583.7183	9.146383	9.09495
12968	M284T9_4	1.075948	0.105609	0.33233	0.751256	0.879996	UP	283.9973	283.9973	283.9974	9.346	9.17485
12969	M614T11_	1.139881	0.188883	0.329705	0.751306	0.880003	UP	614.1395	614.1388	614.143	10.90553	10.8926
12970	M537T10_	1.103806	-0.14249	-0.32825	0.751383	0.880014	DOWN	536.6593	536.6588	536.6611	9.975217	9.859233
12971	M307T9_3	1.271957	-0.34705	-0.3297	0.751486	0.880029	DOWN	306.8009	306.8008	306.8011	9.333475	9.26575
12972	M458T11_	1.094761	-0.13062	-0.32788	0.751581	0.880042	DOWN	458.0532	458.05	458.054	10.95835	10.90765
12973	M520T41_	1.054779	-0.07694	-0.33742	0.751596	0.880044	DOWN	520.2749	520.2747	520.275	40.68117	40.62567
12974	M214T9_4	1.115143	-0.15723	-0.33035	0.751656	0.880052	DOWN	213.6716	213.6707	213.6717	9.279417	9.1322
12975	M528T10_	1.106074	0.145448	0.328578	0.751719	0.880061	UP	527.7368	527.7363	527.7373	9.975217	9.8753
12976	M201T9_1	1.199354	0.262258	0.327733	0.751751	0.880066	UP	200.9565	200.9559	200.9572	9.132267	9.110833
12977	M636T43_	1.03989	-0.05643	-0.33408	0.751912	0.880088	DOWN	636.3591	636.3589	636.3591	43.30133	43.2295
12978	M335T10_	1.096892	-0.13342	-0.32799	0.751915	0.880089	DOWN	335.195	335.1948	335.1954	9.8207	9.715683
12979	M371T10_	1.063837	-0.08928	-0.3338	0.751929	0.880091	DOWN	370.6248	370.6245	370.6289	9.978692	9.859667
12980	M580T42_	1.043566	-0.06152	-0.33676	0.751935	0.880092	DOWN	580.3325	580.3323	580.3326	42.3375	42.17917
12981	M725T31	1.130429	-0.17687	-0.32678	0.752234	0.880134	DOWN	724.5917	724.5915	724.5921	31.35033	31.34917
12982	M450T9_1	1.141899	-0.19143	-0.32967	0.752242	0.880135	DOWN	450.4882	450.4879	450.4886	9.145908	9.10275
12983	M421T10_	1.074934	0.104248	0.333801	0.752244	0.880135	UP	420.6222	420.622	420.6224	9.916525	9.88865
12984	M515T10_	1.044801	0.063228	0.328586	0.752302	0.880143	UP	514.6395	514.6393	514.6402	10.48597	10.39197

12985	M279T10_	1.08057	-0.11179	-0.32926	0.75247	0.880167	DOWN	278.562	278.5613	278.5622	9.914217	9.827283
12986	M281T25	1.043981	-0.0621	-0.32955	0.752485	0.880169	DOWN	281.138	281.1379	281.1382	24.60708	24.59267
12987	M1961T10	1.057131	-0.08015	-0.33027	0.752587	0.880183	DOWN	1961.043	1961.041	1961.044	9.831242	9.7124
12988	M770T14	1.070071	0.097707	0.330838	0.75276	0.880207	UP	769.5563	769.5559	769.5566	13.6973	13.67912
12989	M637T11_	1.115752	0.158017	0.335986	0.752761	0.880207	UP	637.1063	637.1055	637.1072	10.8823	10.8214
12990	M398T10_	1.033508	-0.04755	-0.32619	0.752794	0.880212	DOWN	397.503	397.5027	397.5031	9.917167	9.811217
12991	M279T32_	1.041427	-0.05856	-0.32737	0.752891	0.880226	DOWN	279.159	279.1587	279.159	32.46017	32.45933
12992	M620T18	1.04343	-0.06133	-0.32693	0.753028	0.880245	DOWN	620.4823	620.4821	620.4824	18.01183	17.99367
12993	M411T11_	1.15554	0.208567	0.325862	0.753154	0.880263	UP	411.423	411.4222	411.4236	10.8926	10.8214
12994	M313T10_	1.090279	-0.1247	-0.3262	0.753158	0.880263	DOWN	312.9523	312.9522	312.9524	9.931875	9.827283
12995	M213T11_	1.058581	-0.08213	-0.32691	0.753224	0.880272	DOWN	213.3253	213.3252	213.3253	10.892	10.873
12996	M760T32	1.147473	-0.19846	-0.32581	0.753267	0.880278	DOWN	759.5655	759.5643	759.5661	31.76767	31.73867
12997	M318T11_	1.100207	-0.13778	-0.32885	0.753309	0.880284	DOWN	318.4277	318.4275	318.429	10.89815	10.89125
12998	M782T10_	1.105867	0.145177	0.325223	0.753474	0.880307	UP	782.2653	782.264	782.2657	9.958617	9.843367
12999	M1718T10	1.092373	-0.12747	-0.33381	0.753482	0.880308	DOWN	1717.746	1717.745	1717.75	9.830833	9.715683
13000	M324T10_	1.077597	-0.10782	-0.32509	0.753568	0.88032	DOWN	323.9986	323.9984	323.999	9.948875	9.843367
13001	M615T45_	1.035887	0.050866	0.325831	0.753575	0.880321	UP	614.9394	614.939	614.9398	44.98342	44.89717
13002	M562T38_	1.030019	-0.04267	-0.32678	0.753612	0.880327	DOWN	562.322	562.3217	562.3225	37.6615	37.633
13003	M1124T10	1.100781	-0.13853	-0.32695	0.753682	0.880336	DOWN	1124.301	1124.3	1124.302	9.970617	9.869467
13004	M668T45_	1.070487	-0.09827	-0.32725	0.753712	0.88034	DOWN	668.4829	668.4824	668.4831	44.68892	44.6385
13005	M393T9_2	1.167279	-0.22315	-0.32568	0.753734	0.880344	DOWN	392.5798	392.5795	392.58	9.26575	9.204617
13006	M962T10_	1.101641	-0.13965	-0.32447	0.75392	0.88037	DOWN	962.1187	962.1168	962.1195	9.923067	9.859233
13007	M225T45_	1.088969	0.122963	0.334534	0.753929	0.880371	UP	225.1483	225.1481	225.1483	44.60967	44.59517
13008	M216T9_2	1.055398	-0.07779	-0.32437	0.753976	0.880377	DOWN	215.9746	215.9745	215.9747	9.246483	9.129317
13009	M378T25_	1.137181	-0.18546	-0.3252	0.75398	0.880378	DOWN	378.0732	378.0727	378.0734	25.26067	25.15783
13010	M618T10_	1.051793	-0.07285	-0.32434	0.754021	0.880384	DOWN	617.6851	617.6846	617.6886	9.823575	9.699733
13011	M750T30	1.069044	-0.09632	-0.32586	0.75406	0.880389	DOWN	749.5454	749.5449	749.5458	30.237	30.2235
13012	M370T11_	1.055643	0.078122	0.327185	0.754172	0.880405	UP	370.0558	370.0557	370.056	10.90519	10.879
13013	M1038T10	1.232986	-0.30216	-0.32507	0.754205	0.880409	DOWN	1038.152	1038.151	1038.152	9.75805	9.62055
13014	M500T9_6	1.140346	-0.18947	-0.32533	0.754221	0.880412	DOWN	499.8116	499.8112	499.812	9.039208	9.023483
13015	M191T10_	1.095599	0.13172	0.3242	0.754245	0.880415	UP	190.9952	190.9951	190.9953	9.951283	9.843367
13016	M284T9_5	1.224765	-0.29251	-0.32701	0.754316	0.880425	DOWN	284.0408	284.0405	284.0414	9.073275	9.031633
13017	M309T16	1.088005	0.121685	0.326079	0.75433	0.880427	UP	309.2351	309.2349	309.2352	15.5625	15.54762
13018	M338T10_	1.098277	0.135242	0.324073	0.754373	0.880433	UP	337.5344	337.5339	337.5347	9.964092	9.859233
13019	M657T10_	1.104234	-0.14305	-0.32457	0.754399	0.880436	DOWN	657.1991	657.1974	657.2007	9.852133	9.728083

13020	M335T10_	1.100516	-0.13818	-0.32555	0.75446	0.880445	DOWN	334.6209	334.6205	334.6213	9.957333	9.843367
13021	M447T11_	1.085172	-0.11792	-0.32848	0.75454	0.880456	DOWN	447.1748	447.1729	447.1758	10.93412	10.8926
13022	M732T11_	1.083262	-0.11538	-0.32417	0.754647	0.880471	DOWN	732.0768	732.0758	732.0791	10.93415	10.87572
13023	M206T9_9	1.219207	-0.28594	-0.32953	0.754665	0.880474	DOWN	205.8267	205.8263	205.8269	9.368883	9.346
13024	M261T10_	1.035461	-0.05027	-0.3234	0.754777	0.880489	DOWN	260.7572	260.757	260.7573	9.967367	9.859233
13025	M732T11_	1.089079	-0.12311	-0.32352	0.754952	0.880514	DOWN	731.7536	731.7532	731.7546	10.8914	10.879
13026	M318T28_	1.09705	0.133629	0.323467	0.754984	0.880518	UP	317.9598	317.9596	317.96	28.12758	28.12733
13027	M386T10_	1.10168	0.139706	0.322969	0.755052	0.880527	UP	385.899	385.8985	385.8995	9.967367	9.859233
13028	M786T9_1	1.13987	-0.18887	-0.32369	0.755087	0.880532	DOWN	785.9752	785.9729	785.976	9.302667	9.234417
13029	M727T10_	1.078165	-0.10858	-0.32702	0.755215	0.88055	DOWN	727.172	727.1717	727.1737	9.8233	9.772883
13030	M635T10_	1.091119	-0.12581	-0.3227	0.755421	0.880579	DOWN	634.8279	634.8275	634.829	9.957333	9.843367
13031	M478T44_	1.085404	-0.11823	-0.32644	0.755714	0.88062	DOWN	478.3006	478.3003	478.301	43.73275	43.373
13032	M729T11_	1.044637	-0.063	-0.32193	0.755758	0.880626	DOWN	729.4892	729.4888	729.4897	10.53931	10.50338
13033	M715T3	1.136394	0.184463	0.322128	0.755826	0.880635	UP	715.4722	715.4718	715.4728	3.464783	3.257667
13034	M771T14	1.064557	0.090253	0.326543	0.755874	0.880642	UP	770.5598	770.5594	770.5601	13.6973	13.68268
13035	M840T11_	1.07662	-0.10651	-0.32255	0.755947	0.880652	DOWN	839.9747	839.9743	839.975	10.66105	10.61512
13036	M338T10_	1.040913	0.05785	0.324273	0.756035	0.880664	UP	338.4454	338.4452	338.4456	9.954217	9.8753
13037	M471T10_	1.056304	-0.07903	-0.32201	0.756124	0.880677	DOWN	470.6625	470.6614	470.6629	9.946467	9.843367
13038	M401T11_	1.152888	0.205252	0.329208	0.75617	0.880683	UP	400.8409	400.8343	400.8456	10.87487	10.85018
13039	M472T10_	1.074772	-0.10403	-0.32143	0.756219	0.88069	DOWN	471.8198	471.8191	471.82	9.94785	9.843367
13040	M324T10_	1.076135	-0.10586	-0.32136	0.756281	0.880698	DOWN	323.5339	323.5337	323.5342	9.94785	9.843367
13041	M790T10_	1.078615	-0.10918	-0.32152	0.756305	0.880702	DOWN	790.319	790.3174	790.3217	9.900767	9.811217
13042	M502T10_	1.080675	0.111932	0.321063	0.756456	0.880723	UP	501.5121	501.5111	501.5125	9.958617	9.843367
13043	M765T10_	1.070618	-0.09844	-0.32713	0.756459	0.880723	DOWN	764.6661	764.6658	764.6667	9.918833	9.811217
13044	M349T10_	1.121591	-0.16555	-0.3226	0.756464	0.880724	DOWN	348.578	348.5777	348.5784	9.8207	9.699733
13045	M294T10_	1.043315	-0.06118	-0.32094	0.756513	0.880731	DOWN	293.9928	293.9926	293.9929	9.930908	9.827283
13046	M172T10_	1.092622	-0.12779	-0.32128	0.756639	0.880748	DOWN	171.7988	171.7988	171.8047	9.967367	9.853533
13047	M697T10_	1.188033	0.248574	0.32976	0.756716	0.880759	UP	696.6966	696.6961	696.697	9.830283	9.728083
13048	M234T10_	1.100638	-0.13834	-0.32296	0.75673	0.880761	DOWN	234.169	234.1688	234.1691	9.977442	9.859233
13049	M476T9_1	1.054098	-0.07601	-0.3205	0.756808	0.880772	DOWN	476.4004	476.4002	476.4006	9.285867	9.129317
13050	M462T9_1	1.127574	0.173222	0.325974	0.756849	0.880777	UP	461.8552	461.8548	461.8559	9.465	9.371417
13051	M379T11_	1.082312	0.114117	0.322566	0.757089	0.880811	UP	379.2917	379.2902	379.2932	10.94406	10.873
13052	M359T9_6	1.145423	-0.19588	-0.32012	0.75719	0.880825	DOWN	359.2856	359.2798	359.2857	9.311058	9.07145
13053	M336T24	1.111001	-0.15186	-0.32002	0.757192	0.880825	DOWN	335.6338	335.6336	335.634	24.36408	24.34433
13054	M853T11	1.117005	-0.15964	-0.3204	0.757198	0.880826	DOWN	853.2766	853.2748	853.2773	10.9348	10.89355

13055	M240T10_	1.097965	-0.13483	-0.32106	0.757261	0.880834	DOWN	240.1926	240.1925	240.1927	9.945258	9.827283
13056	M707T33	1.064393	-0.09003	-0.32048	0.757261	0.880835	DOWN	707.4552	707.4548	707.4554	33.47033	33.4415
13057	M497T9_7	1.04903	0.069056	0.319815	0.757315	0.880842	UP	496.9669	496.9667	496.9673	9.269283	9.129317
13058	M300T9_1	1.085099	-0.11783	-0.3198	0.757331	0.880844	DOWN	300.1988	300.1985	300.1989	8.939133	8.832317
13059	M389T25	1.115116	0.157194	0.321593	0.757369	0.880849	UP	389.2506	389.2503	389.2509	24.53367	24.50683
13060	M415T9_7	1.047982	0.067613	0.319801	0.757369	0.880849	UP	415.2183	415.2178	415.2234	9.278717	9.129317
13061	M690T36	1.181463	-0.24057	-0.32044	0.757409	0.880855	DOWN	689.5243	689.5222	689.5247	35.7475	35.7185
13062	M1484T10	1.044884	-0.06334	-0.32012	0.757481	0.880865	DOWN	1483.526	1483.525	1483.528	9.902008	9.779267
13063	M480T42_	1.029746	0.042288	0.320056	0.757486	0.880866	UP	480.2799	480.2795	480.2799	42.12167	42.0065
13064	M773T10_	1.120446	0.164074	0.321474	0.757607	0.880882	UP	773.2727	773.2721	773.2734	9.983467	9.859233
13065	M349T11_	1.054203	-0.07615	-0.31957	0.75763	0.880886	DOWN	349.1647	349.1644	349.1651	11.02097	10.99687
13066	M358T10_	1.065807	-0.09195	-0.32609	0.757881	0.88092	DOWN	358.2582	358.2579	358.2583	10.14543	10.05935
13067	M328T11_	1.079927	0.110933	0.319716	0.757889	0.880921	UP	327.8745	327.8745	327.8756	10.90548	10.86275
13068	M329T10_	1.110632	0.151381	0.321045	0.757971	0.880933	UP	329.1933	329.1932	329.1938	10.23213	10.18238
13069	M818T11_	1.071736	-0.09995	-0.31926	0.757984	0.880935	DOWN	818.463	818.4616	818.4638	10.6101	10.53485
13070	M317T21	1.119599	0.162983	0.319242	0.757986	0.880935	UP	317.2043	317.2039	317.2044	20.69183	20.65117
13071	M220T9_1	1.3132	-0.39309	-0.31969	0.758035	0.880942	DOWN	220.0992	220.0975	220.1	9.338567	9.160617
13072	M423T10_	1.129704	-0.17595	-0.3189	0.758051	0.880944	DOWN	423.0789	423.0786	423.0797	9.996992	9.932567
13073	M593T11_	1.067822	-0.09467	-0.3199	0.758392	0.880991	DOWN	593.3591	593.3582	593.3602	10.78556	10.73323
13074	M682T10_	1.096863	-0.13338	-0.31877	0.758411	0.880994	DOWN	681.8433	681.8431	681.844	9.939008	9.827283
13075	M449T11_	1.03879	-0.0549	-0.31851	0.75846	0.881	DOWN	449.3573	449.3568	449.3576	10.90519	10.879
13076	M197T10_	1.036844	0.0522	0.318976	0.75846	0.881	UP	197.2312	197.231	197.2315	9.84095	9.699733
13077	M420T42_	1.070682	-0.09853	-0.3221	0.758507	0.881007	DOWN	420.2226	420.2225	420.2228	41.89875	41.834
13078	M1030T10	1.063822	-0.08926	-0.3183	0.758667	0.881029	DOWN	1030.168	1030.167	1030.169	9.827158	9.6681
13079	M492T9_7	1.088642	0.12253	0.319013	0.758746	0.88104	UP	492.4297	492.4295	492.4299	9.285867	9.129317
13080	M279T18	1.121138	-0.16496	-0.32134	0.758793	0.881046	DOWN	279.0931	279.0929	279.0931	17.58633	17.5555
13081	M1744T10	1.115277	-0.1574	-0.31818	0.758812	0.881049	DOWN	1744.321	1744.32	1744.324	9.830733	9.715683
13082	M521T9_1	1.130295	-0.1767	-0.31895	0.758878	0.881058	DOWN	521.3361	521.3358	521.3369	8.961583	8.872733
13083	M1511T10	1.115325	-0.15746	-0.31769	0.758958	0.881069	DOWN	1510.698	1510.691	1510.701	9.90755	9.88865
13084	M482T11_	1.141941	0.191488	0.318695	0.75909	0.881087	UP	482.336	482.3352	482.3365	10.94853	10.84395
13085	M1689T10	1.154157	0.20684	0.327588	0.75931	0.881118	UP	1689.364	1689.362	1689.366	9.8207	9.728083
13086	M230T13_	1.106168	-0.14557	-0.31739	0.759353	0.881124	DOWN	230.19	230.1898	230.1902	12.70418	12.68908
13087	M569T9_1	1.089592	-0.12379	-0.32017	0.759362	0.881125	DOWN	569.0558	569.0556	569.0564	9.2873	9.191133
13088	M313T44_	1.068282	0.095293	0.31767	0.759403	0.881131	UP	313.1643	313.1642	313.1645	43.83333	43.54567
13089	M655T11_	1.08927	0.123361	0.317215	0.759447	0.881137	UP	655.1141	655.1136	655.1153	10.892	10.8646

13090	M728T10_	1.079558	0.110441	0.317028	0.759522	0.881147	UP	727.9319	727.9303	727.9325	10.36239	10.31147
13091	M420T40_	1.062189	-0.08704	-0.32564	0.75953	0.881148	DOWN	420.2226	420.2225	420.2228	40.453	40.40967
13092	M438T10	1.04605	-0.06495	-0.32148	0.759552	0.881151	DOWN	438.1733	438.1732	438.1735	9.989733	9.8914
13093	M351T10_	1.113241	-0.15477	-0.31665	0.759657	0.881166	DOWN	350.7613	350.761	350.7688	9.946367	9.732983
13094	M794T11_	1.057616	-0.08082	-0.32415	0.759707	0.881173	DOWN	793.9722	793.9714	793.973	10.53977	10.47197
13095	M461T10_	1.056925	0.079873	0.318124	0.75979	0.881184	UP	460.9399	460.9396	460.9407	9.9677	9.8753
13096	M260T11_	1.06978	-0.09731	-0.31718	0.759799	0.881185	DOWN	259.9449	259.9448	259.9454	10.892	10.8646
13097	M683T9_1	1.157925	-0.21154	-0.31634	0.759845	0.881192	DOWN	682.9644	682.9642	682.9652	9.333667	9.275917
13098	M266T20	1.027316	-0.03888	-0.31644	0.759868	0.881195	DOWN	266.2476	266.2476	266.2477	20.24492	20.23017
13099	M876T10_	1.071252	0.099297	0.321692	0.759877	0.881196	UP	876.1877	876.1857	876.1887	9.903567	9.79535
13100	M358T10_	1.140866	0.19013	0.318735	0.759916	0.881201	UP	358.2351	358.2348	358.2399	9.832542	9.447617
13101	M463T10_	1.076945	0.106945	0.32465	0.759944	0.881205	UP	463.3511	463.3509	463.352	9.6293	9.510117
13102	M337T10_	1.098075	0.134977	0.316447	0.759963	0.881208	UP	336.6729	336.672	336.673	9.744917	9.62055
13103	M637T9_1	1.057836	-0.08112	-0.32506	0.76007	0.881223	DOWN	636.5051	636.5048	636.5054	9.3471	9.17485
13104	M270T9_3	1.143908	0.193971	0.32127	0.760088	0.881225	UP	270.4424	270.4396	270.443	9.232283	9.160617
13105	M355T19_	1.125219	-0.17021	-0.31799	0.760176	0.881237	DOWN	355.2378	355.2376	355.2382	19.43125	19.4
13106	M476T11_	1.064494	0.090168	0.322991	0.760337	0.881259	UP	476.3281	476.328	476.3283	11.28203	11.25038
13107	M471T9_1	1.337065	-0.41907	-0.31547	0.760517	0.881284	DOWN	471.3732	471.3723	471.3852	8.930317	8.780767
13108	M525T9_5	1.064286	-0.08989	-0.31551	0.760636	0.8813	DOWN	525.2879	525.2867	525.2884	8.96605	8.771083
13109	M448T9_2	1.097857	-0.13469	-0.31566	0.760764	0.881318	DOWN	447.6975	447.697	447.6979	9.3385	9.219483
13110	M429T11_	1.045483	-0.06417	-0.31521	0.760843	0.881329	DOWN	429.0087	429.0085	429.0093	10.892	10.8646
13111	M330T11_	1.099689	-0.13709	-0.31631	0.760895	0.881336	DOWN	329.8784	329.8779	329.8785	10.9344	10.88747
13112	M719T10_	1.041759	-0.05902	-0.31567	0.761032	0.881355	DOWN	719.0764	719.0754	719.0771	9.823575	9.715683
13113	M457T15	1.059807	-0.0838	-0.31563	0.761215	0.88138	DOWN	457.3613	457.3607	457.3619	15.34678	15.30742
13114	M761T32	1.229829	0.298458	0.314627	0.761316	0.881394	UP	760.5688	760.5686	760.5696	31.7605	31.753
13115	M176T10_	1.046834	-0.06603	-0.31546	0.761331	0.881396	DOWN	175.8122	175.8121	175.8124	9.834117	9.715683
13116	M245T10_	1.16423	-0.21938	-0.31438	0.761361	0.8814	DOWN	244.6955	244.695	244.6956	9.987092	9.869467
13117	M237T12_	1.106295	0.145736	0.321018	0.761404	0.881406	UP	237.1095	237.1094	237.1096	11.59896	11.34412
13118	M363T10_	1.218997	0.285694	0.314548	0.761506	0.88142	UP	363.4549	363.4548	363.4553	9.8214	9.728083
13119	M474T9_5	1.053139	-0.0747	-0.31404	0.761529	0.881423	DOWN	474.2495	474.2493	474.2497	9.285867	9.129317
13120	M436T11_	1.047475	-0.06692	-0.31417	0.761657	0.881441	DOWN	436.3533	436.3532	436.3541	10.892	10.879
13121	M482T9_2	1.17539	0.233139	0.317156	0.761701	0.881447	UP	482.2651	482.2631	482.2655	9.01145	8.96815
13122	M325T10_	1.085183	-0.11794	-0.3144	0.761729	0.881451	DOWN	325.3935	325.3932	325.3953	9.946467	9.827283
13123	M368T11_	1.070348	-0.09808	-0.3138	0.761737	0.881452	DOWN	368.2882	368.288	368.2884	10.90628	10.8646
13124	M391T9_7	1.116627	-0.15915	-0.314	0.761884	0.881472	DOWN	391.4943	391.4939	391.4949	9.253783	9.132267

13125	M587T10_	1.078255	0.108698	0.313833	0.761957	0.881482	UP	586.8343	586.8334	586.8349	9.695642	9.6628
13126	M1064T10	1.064614	-0.09033	-0.31572	0.762006	0.881488	DOWN	1063.907	1063.906	1063.908	9.977442	9.859233
13127	M701T16	1.079608	-0.11051	-0.31342	0.762048	0.881494	DOWN	701.4933	701.4931	701.4934	15.70095	15.54778
13128	M729T10_	1.059325	0.083146	0.313395	0.762072	0.881498	UP	729.4066	729.4061	729.4074	10.32456	10.26307
13129	M836T10	1.082228	-0.11401	-0.31591	0.762147	0.881508	DOWN	836.3967	836.3962	836.3971	9.943183	9.827283
13130	M657T19	1.063771	0.089187	0.320253	0.762215	0.881517	UP	657.4352	657.4339	657.4358	18.64475	18.61417
13131	M424T19	1.075858	0.105487	0.313176	0.762228	0.881519	UP	424.3053	424.305	424.3057	18.81808	18.8015
13132	M989T10	1.09033	-0.12477	-0.31452	0.762241	0.881521	DOWN	989.4815	989.4805	989.4823	9.75365	9.746783
13133	M1740T10	1.136182	0.184194	0.323043	0.76232	0.881532	UP	1740.029	1740.027	1740.04	9.8322	9.728083
13134	M418T40	1.056349	-0.07909	-0.32254	0.762366	0.881538	DOWN	418.2795	418.2793	418.2796	40.30917	40.237
13135	M648T9_4	1.160489	-0.21473	-0.31514	0.762445	0.881549	DOWN	648.1896	648.1881	648.1917	9.175692	9.09495
13136	M513T11_	1.095169	0.131154	0.314351	0.762579	0.881567	UP	512.9474	512.9471	512.9477	10.90657	10.879
13137	M340T10_	1.033036	0.04689	0.317745	0.762622	0.881573	UP	340.0669	340.0667	340.0671	9.823575	9.715683
13138	M321T9_4	1.132836	0.179939	0.320236	0.762674	0.88158	UP	321.1031	321.1027	321.1058	9.280767	9.1178
13139	M365T10_	1.079754	0.110702	0.318926	0.762798	0.881597	UP	364.8777	364.8774	364.8782	9.986767	9.8914
13140	M374T11_	1.075437	0.104923	0.313039	0.762866	0.881606	UP	373.5855	373.5849	373.5876	10.90522	10.879
13141	M788T24_	1.109407	-0.14979	-0.31225	0.762928	0.881615	DOWN	787.5669	787.5663	787.5674	24.11675	24.0975
13142	M471T10_	1.077304	-0.10743	-0.31228	0.76298	0.881622	DOWN	471.0031	471.0024	471.0034	9.95385	9.843367
13143	M213T9_1	1.19021	0.251216	0.312675	0.76304	0.88163	UP	212.9093	212.9082	212.9101	9.280767	9.18975
13144	M160T10_	1.081798	-0.11343	-0.31446	0.763106	0.881639	DOWN	159.9027	159.8928	159.9028	9.95825	9.859233
13145	M249T29	1.068152	-0.09512	-0.31344	0.763174	0.881649	DOWN	249.1846	249.1846	249.1847	28.99775	28.9815
13146	M375T10_	1.083968	-0.11632	-0.3118	0.763195	0.881651	DOWN	375.2494	375.249	375.2495	9.973467	9.843367
13147	M260T11_	1.247513	-0.31905	-0.3116	0.763406	0.88168	DOWN	260.1625	260.1623	260.1628	10.89125	10.87765
13148	M354T9_2	1.095698	0.13185	0.31154	0.763438	0.881685	UP	353.6653	353.6651	353.6655	8.878567	8.745033
13149	M352T10_	1.092818	-0.12805	-0.31147	0.763441	0.881685	DOWN	351.501	351.4951	351.5013	9.848417	9.73145
13150	M554T9_4	1.091104	-0.12579	-0.3115	0.763459	0.881687	DOWN	554.0557	554.0546	554.0561	9.075083	9.03845
13151	M213T10_	1.065306	-0.09127	-0.31862	0.763496	0.881692	DOWN	212.6652	212.6651	212.6653	9.8322	9.699733
13152	M752T10_	1.073759	0.10267	0.317968	0.763528	0.881697	UP	751.7208	751.7202	751.7225	9.989733	9.8914
13153	M334T11_	1.070285	0.097994	0.311324	0.763621	0.88171	UP	333.695	333.6949	333.6952	11.48308	11.47298
13154	M763T10_	1.068688	-0.09584	-0.31168	0.763693	0.881719	DOWN	762.94	762.9387	762.9406	10.17176	10.06883
13155	M437T12	1.054108	0.076023	0.312282	0.763749	0.881727	UP	437.2621	437.2619	437.2623	11.87345	11.85617
13156	M227T10_	1.046863	-0.06607	-0.31293	0.763766	0.881729	DOWN	226.6384	226.6383	226.6385	9.915583	9.811217
13157	M163T10_	1.069867	-0.09743	-0.31446	0.763817	0.881736	DOWN	162.8118	162.8114	162.8119	9.931442	9.79535
13158	M760T10_	1.060624	0.084913	0.314473	0.763822	0.881737	UP	759.9644	759.9629	759.9652	10.44888	10.42665
13159	M271T26	1.093643	-0.12914	-0.31089	0.763901	0.881748	DOWN	271.2822	271.282	271.2824	25.75792	25.7305



13160	M593T30	1.058174	-0.08158	-0.31326	0.763942	0.881753	DOWN	593.3653	593.3649	593.3657	30.27392	30.266
13161	M710T10_	1.093366	0.128777	0.312337	0.763946	0.881754	UP	710.3986	710.3982	710.3993	9.872883	9.766367
13162	M755T10_	1.105703	-0.14496	-0.31247	0.764011	0.881763	DOWN	755.1458	755.145	755.1479	9.972917	9.859233
13163	M357T30	1.067108	0.093706	0.315717	0.764162	0.881783	UP	357.2609	357.2607	357.261	30.07908	30.06383
13164	M227T23_	1.042548	-0.06011	-0.31248	0.764179	0.881786	DOWN	227.2003	227.2002	227.2003	23.03042	23.01583
13165	M218T10_	1.166048	-0.22163	-0.31092	0.764239	0.881794	DOWN	218.2114	218.2114	218.2116	10.38894	10.32768
13166	M416T42_	1.099782	0.137218	0.320897	0.76427	0.881798	UP	416.2641	416.264	416.2641	42.3015	42.27983
13167	M454T39_	1.029032	-0.04129	-0.31092	0.764271	0.881798	DOWN	454.2644	454.2641	454.2646	39.47458	39.34533
13168	M251T9_1	1.180967	-0.23997	-0.31509	0.76452	0.881832	DOWN	250.6562	250.6554	250.6659	9.008417	8.90515
13169	M1960T10	1.069834	-0.09739	-0.31286	0.764606	0.881844	DOWN	1959.688	1959.686	1959.691	9.970617	9.843367
13170	M374T10_	1.063309	0.08856	0.31078	0.764683	0.881854	UP	374.2514	374.2512	374.2517	9.514733	9.416817
13171	M245T10_	1.070843	-0.09875	-0.30976	0.764707	0.881858	DOWN	245.083	245.0827	245.0834	9.94785	9.827283
13172	M205T32	1.043616	-0.06159	-0.31072	0.764718	0.881859	DOWN	205.0858	205.0856	205.0858	32.46017	32.44517
13173	M177T9_6	1.118867	-0.16204	-0.31071	0.764806	0.881871	DOWN	177.1086	177.1083	177.1088	9.175017	9.1175
13174	M339T9_1	1.368742	0.45285	0.31947	0.764816	0.881873	UP	338.5309	338.5308	338.5311	9.458267	9.432183
13175	M919T11_	1.050186	-0.07064	-0.30998	0.764855	0.881878	DOWN	919.251	919.2505	919.252	10.93153	10.90785
13176	M1807T10	1.091505	-0.12632	-0.3096	0.764926	0.881888	DOWN	1806.762	1806.759	1806.764	9.8207	9.715683
13177	M328T35	1.117258	-0.15996	-0.31027	0.764974	0.881894	DOWN	328.3208	328.3206	328.321	34.52833	34.50783
13178	M417T43_	1.06979	-0.09733	-0.30943	0.76511	0.881913	DOWN	417.248	417.2478	417.2482	42.59617	42.46683
13179	M478T20_	1.092444	-0.12756	-0.30913	0.765298	0.881938	DOWN	478.3521	478.352	478.3525	19.94	19.90917
13180	M465T11_	1.035875	0.05085	0.308979	0.765393	0.881951	UP	464.8335	464.8331	464.8336	11.0838	11.0537
13181	M608T37	1.090888	0.125503	0.319268	0.765426	0.881956	UP	608.364	608.3638	608.3641	36.6635	36.5385
13182	M163T10_	1.158889	0.212742	0.317356	0.765485	0.881964	UP	162.539	162.5389	162.539	9.910375	9.843367
13183	M343T11_	1.083287	0.115415	0.308713	0.765499	0.881966	UP	343.1651	343.1645	343.1666	10.91849	10.89125
13184	M573T9_3	1.07165	0.099834	0.308778	0.765538	0.881971	UP	573.3673	573.3671	573.3681	8.84285	8.803967
13185	M284T11_	1.090285	-0.12471	-0.31062	0.765601	0.881979	DOWN	283.5248	283.5247	283.5252	10.877	10.8646
13186	M971T10	1.105584	0.144809	0.308883	0.765697	0.881992	UP	970.7896	970.7855	970.79	9.979958	9.859233
13187	M646T9_2	1.103387	-0.14194	-0.31666	0.765719	0.881995	DOWN	646.3647	646.3607	646.366	9.249433	9.1503
13188	M841T11	1.099159	0.1364	0.309315	0.765816	0.882009	UP	840.969	840.9687	840.9712	10.86854	10.83572
13189	M323T10_	1.225254	0.293081	0.308429	0.765843	0.882012	UP	323.4961	323.4959	323.4965	9.946467	9.634283
13190	M656T10_	1.074555	0.103739	0.311425	0.765953	0.882027	UP	655.6444	655.6435	655.6467	9.818433	9.715683
13191	M716T3	1.119819	0.163265	0.30796	0.765984	0.882031	UP	716.4757	716.4751	716.4765	3.471842	3.2419
13192	M417T38	1.062403	-0.08733	-0.30827	0.766067	0.882043	DOWN	417.2479	417.2478	417.2485	38.20817	38.03567
13193	M356T22	1.035348	0.050116	0.308271	0.766144	0.882053	UP	356.3156	356.3154	356.3159	21.72425	21.7095
13194	M706T10_	1.107327	0.147081	0.309544	0.766197	0.88206	UP	706.3901	706.3892	706.3907	9.95825	9.843367

13195	M882T10	1.049236	-0.06934	-0.30762	0.766238	0.882066	DOWN	882.4728	882.4716	882.4739	9.930908	9.811217
13196	M304T11_	1.085445	-0.11829	-0.31499	0.76625	0.882068	DOWN	303.8756	303.8753	303.8768	10.91066	10.86253
13197	M534T37	1.040562	-0.05736	-0.31787	0.766406	0.882089	DOWN	534.327	534.3267	534.3272	36.73517	36.68433
13198	M479T9_5	1.062233	-0.0871	-0.30749	0.766441	0.882093	DOWN	478.9743	478.9739	478.9755	8.878825	8.7891
13199	M308T10_	1.055877	-0.07844	-0.30869	0.766515	0.882104	DOWN	307.7138	307.7136	307.7139	10.39613	10.34372
13200	M362T32	1.117505	-0.16028	-0.3072	0.766538	0.882107	DOWN	362.2973	362.2972	362.2974	31.7675	31.75333
13201	M367T11_	1.063907	-0.08937	-0.30729	0.76661	0.882116	DOWN	367.4798	367.4757	367.4801	10.89907	10.873
13202	M228T9_3	1.105591	-0.14482	-0.30696	0.766709	0.88213	DOWN	227.6767	227.6766	227.6768	9.356517	9.126783
13203	M405T9_5	1.12042	-0.16404	-0.3072	0.766716	0.882131	DOWN	405.4772	405.4769	405.4774	9.275792	9.1587
13204	M658T11_	1.056862	-0.07979	-0.30682	0.76682	0.882145	DOWN	658.3272	658.327	658.3277	10.71817	10.66012
13205	M414T9_1	1.224062	0.291677	0.307309	0.766936	0.882161	UP	414.472	414.4683	414.4745	9.20465	9.06315
13206	M655T10_	1.10434	-0.14319	-0.30718	0.766967	0.882165	DOWN	655.3808	655.3799	655.3837	9.925433	9.8378
13207	M659T10_	1.023584	0.03363	0.314441	0.767018	0.882172	UP	658.5446	658.5441	658.5463	9.83135	9.715683
13208	M552T10_	1.019668	-0.0281	-0.31268	0.767024	0.882173	DOWN	552.4484	552.4482	552.4485	9.886783	9.779267
13209	M345T16	1.03844	-0.05442	-0.30733	0.767057	0.882177	DOWN	345.1541	345.154	345.1545	15.96322	15.93568
13210	M321T27_	1.144745	-0.19503	-0.30864	0.767063	0.882178	DOWN	321.2369	321.2368	321.2374	26.80983	26.7685
13211	M474T37_	1.094471	-0.13023	-0.309	0.767085	0.882181	DOWN	474.2695	474.2693	474.2696	36.92892	36.784
13212	M458T9_8	1.071707	-0.09991	-0.30803	0.767098	0.882183	DOWN	458.2482	458.2462	458.2515	9.382183	9.249433
13213	M432T20	1.197855	0.260453	0.306612	0.767108	0.882184	UP	432.2693	432.2685	432.2696	20.24483	20.21633
13214	M349T10_	1.079244	-0.11002	-0.30966	0.767276	0.882207	DOWN	348.8461	348.8458	348.8491	9.887133	9.830733
13215	M531T10_	1.058443	0.081943	0.306415	0.767438	0.882229	UP	530.8886	530.8885	530.8889	9.977025	9.859233
13216	M261T10_	1.093331	-0.12873	-0.30686	0.767591	0.882249	DOWN	261.1707	261.1705	261.1709	9.965717	9.859233
13217	M316T11_	1.046232	-0.0652	-0.306	0.767642	0.882256	DOWN	315.7022	315.702	315.7024	10.89875	10.879
13218	M243T11_	1.063969	-0.08946	-0.3055	0.767786	0.882276	DOWN	242.7063	242.7062	242.7064	10.89875	10.879
13219	M387T11_	1.039042	-0.05525	-0.30905	0.767787	0.882276	DOWN	387.249	387.2489	387.2491	10.64667	10.629
13220	M315T10_	1.172006	0.22898	0.314829	0.767855	0.882285	UP	314.8089	314.8027	314.809	9.977533	9.816167
13221	M227T9_1	1.07408	0.103102	0.305288	0.76802	0.882307	UP	227.1478	227.146	227.1487	9.3471	9.22495
13222	M188T9_1	1.209072	-0.2739	-0.30528	0.768057	0.882312	DOWN	188.4589	188.4585	188.4599	9.166033	9.11795
13223	M480T11_	1.043678	-0.06168	-0.30525	0.768143	0.882324	DOWN	479.8074	479.8069	479.8077	10.892	10.8646
13224	M264T10_	1.216769	-0.28306	-0.30623	0.768147	0.882324	DOWN	263.539	263.5388	263.5393	9.508908	9.416817
13225	M380T11_	1.058882	0.082542	0.305705	0.768208	0.882333	UP	380.0967	380.0966	380.0976	10.892	10.879
13226	M924T11_	1.054868	0.077062	0.306866	0.768299	0.882345	UP	923.9526	923.9514	923.9533	10.89875	10.879
13227	M300T10_	1.040577	-0.05738	-0.31068	0.768327	0.882349	DOWN	299.854	299.8536	299.8543	9.996883	9.8914
13228	M448T9_6	1.051162	-0.07199	-0.30475	0.768347	0.882352	DOWN	448.4436	448.4434	448.4442	9.264692	9.129317
13229	M252T10_	1.223369	0.29086	0.309031	0.76838	0.882356	UP	252.1883	252.188	252.1902	9.611658	9.432533

13230	M366T10_	1.054483	0.076537	0.304544	0.768524	0.882376	UP	365.7579	365.7573	365.7583	9.970617	9.8753
13231	M1410T10	1.135654	0.183523	0.3099	0.768525	0.882376	UP	1409.964	1409.961	1409.971	9.900133	9.79535
13232	M237T14	1.137802	0.186249	0.304474	0.76854	0.882378	UP	237.1095	237.1094	237.1096	14.07782	14.00433
13233	M583T9_3	1.073941	-0.10291	-0.31023	0.768574	0.882382	DOWN	582.7285	582.7276	582.7301	9.278717	9.204617
13234	M373T13	1.132366	0.17934	0.304686	0.768596	0.882385	UP	373.2195	373.2193	373.2204	12.69003	12.6599
13235	M562T42_	1.104789	0.143772	0.304683	0.768626	0.882389	UP	562.322	562.3218	562.3223	41.7905	41.51767
13236	M455T9_1	1.261384	-0.33501	-0.30479	0.768636	0.882391	DOWN	455.2631	455.2627	455.2634	8.949317	8.924217
13237	M291T22	1.21751	0.283934	0.30515	0.768697	0.882399	UP	291.2718	291.2714	291.2721	22.18783	22.16767
13238	M229T10_	1.071269	-0.09932	-0.30501	0.768733	0.882404	DOWN	229.1625	229.1613	229.1629	9.960892	9.859233
13239	M673T36	1.061107	-0.08557	-0.3043	0.768747	0.882406	DOWN	673.4927	673.4925	673.493	36.32342	36.3045
13240	M449T11_	1.224602	-0.29231	-0.31141	0.76885	0.882419	DOWN	449.2854	449.2848	449.2858	10.91878	10.879
13241	M818T9	1.121615	-0.16558	-0.30717	0.768858	0.882421	DOWN	817.627	817.625	817.6277	8.959467	8.909
13242	M488T43_	1.065858	-0.09201	-0.31413	0.768931	0.88243	DOWN	488.2849	488.2847	488.285	42.79767	42.7115
13243	M283T11_	1.034084	-0.04835	-0.30568	0.76908	0.88245	DOWN	283.1504	283.1499	283.1507	10.90519	10.879
13244	M216T10_	1.103046	-0.14149	-0.30493	0.769144	0.882459	DOWN	215.7658	215.7656	215.7658	9.965717	9.843367
13245	M286T10_	1.05808	0.081449	0.309076	0.769259	0.882475	UP	285.9372	285.9367	285.9376	9.975217	9.8753
13246	M216T12_	1.19397	0.255767	0.306693	0.769262	0.882475	UP	216.1955	216.1952	216.1958	11.963	11.94798
13247	M225T10_	1.114009	-0.15576	-0.30567	0.769276	0.882477	DOWN	224.5428	224.5427	224.5428	9.917167	9.900133
13248	M276T11_	1.056309	-0.07903	-0.30657	0.769464	0.882502	DOWN	276.1101	276.11	276.1103	10.87704	10.85018
13249	M339T9_4	1.338481	0.420597	0.303262	0.769513	0.882509	UP	339.0245	339.0235	339.0246	9.275917	9.145433
13250	M1355T10	1.131826	0.178653	0.305925	0.769589	0.882519	UP	1354.734	1354.733	1354.736	9.972917	9.8753
13251	M246T10_	1.072152	-0.10051	-0.30319	0.769591	0.882519	DOWN	245.5879	245.5876	245.5883	9.94785	9.843367
13252	M433T9_1	1.216046	0.282198	0.30426	0.769657	0.882528	UP	433.2812	433.2806	433.2836	8.996883	8.734483
13253	M235T10_	1.042074	-0.05946	-0.30393	0.769778	0.882545	DOWN	235.0107	235.0106	235.0108	9.935675	9.827283
13254	M295T10_	1.055167	-0.07747	-0.30349	0.769805	0.882548	DOWN	294.6562	294.656	294.6563	9.943183	9.827283
13255	M463T11_	1.091803	0.126713	0.305569	0.769811	0.882549	UP	463.195	463.1946	463.1956	10.8926	10.879
13256	M173T10_	1.072945	0.101577	0.302624	0.769916	0.882563	UP	173.4252	173.4252	173.4254	9.82645	9.715683
13257	M544T10_	1.062392	0.087316	0.307416	0.769916	0.882563	UP	544.4658	544.4653	544.466	9.985733	9.8914
13258	M704T11	1.070329	0.098054	0.302715	0.769985	0.882572	UP	703.8142	703.814	703.8148	10.90659	10.86008
13259	M394T9_1	1.110653	-0.15141	-0.30263	0.770024	0.882578	DOWN	394.2667	394.2662	394.269	8.832758	8.7575
13260	M390T10_	1.088547	0.122403	0.303496	0.770067	0.882583	UP	390.3115	390.3109	390.3118	10.42296	10.34372
13261	M256T10_	1.109277	0.149619	0.306668	0.770089	0.882586	UP	255.6146	255.614	255.6148	9.965892	9.843367
13262	M249T10_	1.058162	-0.08156	-0.30249	0.770161	0.882596	DOWN	248.7025	248.7024	248.7026	9.77435	9.75365
13263	M717T36	1.073371	-0.10215	-0.30226	0.770239	0.882607	DOWN	716.5156	716.5154	716.5159	36.1095	36.09967
13264	M1692T10	1.216525	-0.28277	-0.30299	0.77038	0.882626	DOWN	1691.62	1691.619	1691.621	9.941642	9.843367

13265	M331T10_	1.03666	-0.05194	-0.30494	0.770402	0.882629	DOWN	331.2547	331.2544	331.2548	9.872475	9.779267
13266	M1138T11	1.04122	0.058275	0.302785	0.770521	0.882644	UP	1137.617	1137.615	1137.618	10.90553	10.873
13267	M326T10_	1.08522	0.117988	0.302171	0.770566	0.882651	UP	326.2098	326.2095	326.2105	9.857275	9.715683
13268	M255T11_	1.152563	0.204846	0.306835	0.770704	0.882669	UP	255.1564	255.1563	255.1566	11.16458	11.10612
13269	M814T11_	1.059795	0.083785	0.302652	0.770723	0.882672	UP	813.5072	813.5068	813.5085	10.61192	10.54367
13270	M428T10_	1.053701	0.075466	0.301428	0.770835	0.882687	UP	428.049	428.0488	428.0492	9.968992	9.859233
13271	M379T10_	1.113514	0.15512	0.302303	0.770992	0.882708	UP	378.8427	378.8392	378.8428	9.886083	9.869467
13272	M641T10_	1.061538	0.086157	0.304652	0.771021	0.882712	UP	641.3546	641.3539	641.3551	10.09153	9.995817
13273	M1312T9	1.099434	-0.13676	-0.30761	0.771108	0.88272	DOWN	1312.06	1312.059	1312.062	9.4148	9.2946
13274	M635T10_	1.121463	0.165382	0.309358	0.771128	0.882726	UP	635.0272	635.0265	635.0298	9.82645	9.73145
13275	M245T10_	1.084735	0.117342	0.300576	0.771415	0.882765	UP	245.2182	245.2115	245.2183	9.97385	9.859233
13276	M389T10_	1.141378	0.190777	0.300891	0.77163	0.882793	UP	388.5249	388.5246	388.5257	9.9081	9.79535
13277	M839T10_	1.104552	-0.14346	-0.30036	0.771725	0.882806	DOWN	838.912	838.9107	838.9129	9.946467	9.843367
13278	M306T11_	1.082328	-0.11414	-0.30013	0.771736	0.882808	DOWN	305.5118	305.5116	305.5121	10.86059	10.83417
13279	M617T30	1.066281	-0.09259	-0.30236	0.771795	0.882816	DOWN	617.4663	617.4658	617.4664	30.27408	30.266
13280	M306T11_	1.084503	0.117034	0.302806	0.771895	0.882829	UP	306.2686	306.2683	306.2692	10.92595	10.8926
13281	M514T10_	1.071416	0.099519	0.307438	0.77201	0.882844	UP	514.3051	514.3041	514.3117	10.44215	10.3044
13282	M534T10_	1.206287	-0.27057	-0.29975	0.772015	0.882845	DOWN	533.7542	533.7537	533.7548	9.946367	9.8753
13283	M467T30	1.059212	-0.08299	-0.30384	0.772019	0.882846	DOWN	467.3573	467.357	467.3575	30.26625	30.2515
13284	M644T10_	1.059558	-0.08346	-0.3	0.77202	0.882846	DOWN	644.0429	644.0386	644.044	9.818525	9.699733
13285	M219T9_3	1.111306	0.152256	0.300009	0.772022	0.882846	UP	218.7974	218.7966	218.7984	9.318625	9.250817
13286	M478T42_	1.044372	-0.06264	-0.30701	0.772025	0.882846	DOWN	478.3005	478.3003	478.3008	41.74783	41.56083
13287	M297T11_	1.052848	-0.0743	-0.30266	0.772093	0.882855	DOWN	296.8593	296.8588	296.8603	10.89904	10.879
13288	M417T44	1.065304	0.091266	0.307684	0.772193	0.882869	UP	417.2479	417.2477	417.2481	44.236	43.9915
13289	M273T11_	1.063343	0.088607	0.299629	0.772244	0.882876	UP	273.217	273.2168	273.2171	11.03033	11.0035
13290	M400T10_	1.079811	0.110779	0.306989	0.772281	0.882881	UP	400.2849	400.2843	400.2855	9.934533	9.827283
13291	M465T10_	1.055661	0.078146	0.299298	0.772342	0.882889	UP	464.7675	464.7673	464.7677	9.999517	9.8914
13292	M645T10_	1.032075	-0.04555	-0.30673	0.772379	0.882894	DOWN	645.4316	645.4312	645.4318	10.41041	10.35992
13293	M675T10_	1.047456	-0.06689	-0.29942	0.772379	0.882894	DOWN	674.5748	674.5738	674.5755	9.823575	9.728083
13294	M309T11_	1.0608	-0.08515	-0.29982	0.772432	0.882901	DOWN	309.4071	309.4068	309.4072	10.8914	10.88995
13295	M522T9_1	1.057774	-0.08103	-0.30088	0.772435	0.882901	DOWN	521.803	521.8019	521.8042	9.276658	9.129317
13296	M1044T10	1.069217	0.096554	0.299238	0.77249	0.882909	UP	1044.194	1044.194	1044.195	9.980992	9.8753
13297	M578T40_	1.073754	0.102664	0.300918	0.772494	0.882909	UP	578.3169	578.3167	578.3174	39.79133	39.70483
13298	M476T9_1	1.199054	0.261897	0.299034	0.772565	0.882919	UP	476.2163	476.2114	476.2176	9.153083	9.048117
13299	M455T9_1	1.04686	-0.06607	-0.29961	0.772581	0.882921	DOWN	455.2823	455.2788	455.2831	9.215258	8.8978

13300	M543T28	1.100019	0.137528	0.299252	0.772592	0.882922	UP	543.3931	543.3924	543.3939	28.12733	28.0835
13301	M283T11_	1.035912	-0.0509	-0.29884	0.772677	0.882934	DOWN	282.603	282.6025	282.6032	10.90519	10.879
13302	M634T10_	1.028446	-0.04047	-0.30032	0.772727	0.88294	DOWN	634.2955	634.2952	634.2961	9.970617	9.8753
13303	M356T12	1.155531	0.208556	0.308633	0.772747	0.882943	UP	356.1807	356.18	356.1809	12.28068	12.22425
13304	M524T10_	1.088349	0.122141	0.301071	0.772782	0.882948	UP	523.8743	523.8736	523.8761	9.9014	9.79535
13305	M1298T23	1.158798	0.212629	0.304718	0.772803	0.882951	UP	1297.639	1297.638	1297.641	22.52433	22.508
13306	M850T11_	1.078063	0.108442	0.299987	0.772828	0.882954	UP	849.8878	849.8867	849.8889	10.879	10.85838
13307	M1790T10	1.083177	-0.11527	-0.299	0.77293	0.882967	DOWN	1789.692	1789.689	1789.696	9.933967	9.827283
13308	M284T10_	1.094757	-0.13061	-0.29861	0.77293	0.882968	DOWN	284.3439	284.3436	284.3439	9.944392	9.843367
13309	M359T11_	1.062172	0.087018	0.298429	0.773021	0.88298	UP	358.9698	358.9685	358.9708	10.94603	10.9049
13310	M321T10_	1.062871	-0.08797	-0.29844	0.773022	0.88298	DOWN	320.5316	320.5314	320.5318	9.99435	9.8753
13311	M446T38	1.105659	-0.14491	-0.30653	0.773093	0.882989	DOWN	446.2746	446.2743	446.2748	38.20133	37.93533
13312	M754T21	1.064642	-0.09037	-0.29932	0.773167	0.882999	DOWN	753.5165	753.5161	753.5176	21.03617	20.9965
13313	M420T40_	1.064982	-0.09083	-0.29836	0.773256	0.883011	DOWN	420.2226	420.2224	420.2229	40.12208	39.96383
13314	M755T11	1.036436	-0.05163	-0.29821	0.773331	0.883021	DOWN	755.1754	755.1749	755.1761	10.892	10.879
13315	M219T11_	1.041144	0.058169	0.297949	0.77352	0.883046	UP	219.1636	219.1633	219.1637	11.49591	11.47298
13316	M784T11_	1.05987	-0.08389	-0.29867	0.773554	0.883051	DOWN	783.9277	783.9271	783.9297	10.892	10.879
13317	M167T10_	1.067454	0.094174	0.298634	0.773572	0.883053	UP	167.2327	167.2326	167.2332	9.8322	9.699733
13318	M570T30	1.059395	0.08324	0.297553	0.773625	0.88306	UP	570.3787	570.3784	570.379	29.83383	29.8195
13319	M236T11_	1.087359	0.120829	0.29737	0.773769	0.88308	UP	235.9344	235.9338	235.9346	10.8914	10.8646
13320	M616T10_	1.06657	0.092979	0.297987	0.77377	0.88308	UP	616.162	616.1616	616.1629	9.967533	9.859233
13321	M200T9_1	1.053142	-0.0747	-0.29731	0.773802	0.883084	DOWN	199.9903	199.9901	199.9906	9.393183	9.275917
13322	M290T10_	1.08815	-0.12188	-0.29754	0.773825	0.883087	DOWN	289.9204	289.9202	289.9205	9.954767	9.843367
13323	M676T10_	1.218928	0.285613	0.297162	0.773917	0.883099	UP	676.239	676.2384	676.2393	9.956867	9.859233
13324	M1777T10	1.026359	0.037536	0.303475	0.773927	0.883101	UP	1776.75	1776.749	1776.753	9.830283	9.715683
13325	M951T10_	1.086458	-0.11963	-0.30081	0.774034	0.883115	DOWN	950.7203	950.7199	950.7211	9.887117	9.7634
13326	M892T10_	1.056729	-0.07961	-0.29716	0.774128	0.883127	DOWN	892.2033	892.2031	892.2037	9.945258	9.827283
13327	M1062T10	1.121617	-0.16558	-0.30324	0.774215	0.883139	DOWN	1061.604	1061.603	1061.605	9.75365	9.746783
13328	M259T11_	1.050974	0.071728	0.298937	0.774454	0.883171	UP	258.722	258.7219	258.7221	10.90519	10.879
13329	M300T10_	1.0747	-0.10393	-0.29679	0.77462	0.883193	DOWN	300.2531	300.2526	300.2535	10.43184	10.35992
13330	M257T13	1.037156	-0.05263	-0.29892	0.77462	0.883193	DOWN	257.0571	257.0571	257.0573	13.02535	13.01045
13331	M245T10_	1.063928	-0.0894	-0.29598	0.77479	0.883216	DOWN	244.8761	244.8661	244.8765	9.94785	9.843367
13332	M175T10_	1.081346	-0.11283	-0.30193	0.774828	0.883221	DOWN	175.1679	175.1677	175.1685	9.9014	9.8378
13333	M680T23_	1.055394	-0.07778	-0.29644	0.774924	0.883233	DOWN	679.5113	679.5111	679.5115	22.611	22.5715
13334	M561T10_	1.050186	-0.07064	-0.30068	0.774926	0.883234	DOWN	561.3285	561.328	561.329	9.944392	9.827283

13335	M857T10_	1.101335	-0.13925	-0.29627	0.774997	0.883243	DOWN	856.8432	856.8429	856.8436	9.963017	9.8914
13336	M256T10_	1.073544	0.102382	0.295703	0.775147	0.883263	UP	256.0557	256.0554	256.056	9.94785	9.843367
13337	M662T10_	1.058967	-0.08266	-0.29547	0.775156	0.883264	DOWN	661.8162	661.8157	661.8178	9.847133	9.73145
13338	M524T45	1.096454	-0.13285	-0.30523	0.775168	0.883266	DOWN	524.3061	524.3059	524.3063	44.72658	44.50883
13339	M303T10_	1.116377	-0.15882	-0.29541	0.775205	0.883271	DOWN	302.6298	302.6297	302.6403	9.930975	9.869467
13340	M701T11_	1.109893	-0.15042	-0.29751	0.775356	0.883291	DOWN	701.149	701.1487	701.1497	10.90785	10.88995
13341	M266T11_	1.037713	-0.05341	-0.29608	0.775386	0.883295	DOWN	266.064	266.0639	266.0643	10.90551	10.88747
13342	M323T10_	1.080453	0.111636	0.297353	0.775427	0.8833	UP	323.1594	323.1591	323.1596	9.951283	9.859233
13343	M412T11_	1.072625	-0.10115	-0.29575	0.775516	0.883312	DOWN	411.6995	411.6992	411.7018	10.93208	10.90548
13344	M383T16_	1.069685	0.097186	0.296966	0.775518	0.883312	UP	382.774	382.7733	382.7743	16.25353	16.19928
13345	M353T14	1.053156	-0.07472	-0.29487	0.775611	0.883325	DOWN	352.7576	352.7572	352.7578	14.12187	14.10733
13346	M686T11	1.086505	-0.1197	-0.29766	0.775616	0.883326	DOWN	686.1974	686.1966	686.1985	10.89193	10.879
13347	M1738T10	1.083941	0.116286	0.294875	0.775883	0.883361	UP	1738.459	1738.457	1738.461	9.972917	9.859233
13348	M680T26_	1.068161	0.095129	0.296457	0.776013	0.883378	UP	679.5115	679.5113	679.5118	26.283	26.10867
13349	M399T31_	1.026007	-0.03704	-0.29588	0.776114	0.883392	DOWN	399.2502	399.2501	399.2504	31.13258	31.11883
13350	M332T10_	1.074255	-0.10334	-0.30095	0.776264	0.883412	DOWN	331.6579	331.6576	331.6607	9.967367	9.859233
13351	M250T10_	1.302575	0.381366	0.294154	0.776311	0.883418	UP	249.8905	249.8904	249.8908	9.957333	9.869467
13352	M709T10_	1.025717	-0.03663	-0.29576	0.776313	0.883418	DOWN	709.329	709.3289	709.3294	9.841442	9.73145
13353	M197T10_	1.038995	-0.05519	-0.2951	0.776427	0.883433	DOWN	197.0104	197.0101	197.0108	9.8397	9.699733
13354	M202T11_	1.042151	0.059565	0.293695	0.776481	0.88344	UP	202.0371	202.037	202.0374	10.89875	10.879
13355	M218T11_	1.046355	-0.06537	-0.29458	0.776621	0.883459	DOWN	218.4396	218.4396	218.4399	10.892	10.879
13356	M464T11_	1.039507	0.055899	0.293758	0.776661	0.883464	UP	463.8731	463.8729	463.8732	10.89875	10.879
13357	M420T11_	1.089466	0.123621	0.29347	0.776712	0.883471	UP	420.0902	420.0889	420.0951	10.90743	10.88995
13358	M335T11_	1.084149	0.116563	0.298227	0.776787	0.883481	UP	334.5424	334.5423	334.5436	10.93208	10.88747
13359	M1486T10	1.105689	0.144946	0.293238	0.776924	0.883499	UP	1486.168	1486.165	1486.17	9.964092	9.859233
13360	M349T10_	1.019859	-0.02837	-0.29743	0.776969	0.883505	DOWN	348.6948	348.6947	348.6949	9.8397	9.73145
13361	M354T3	1.11064	0.151391	0.294071	0.776969	0.883505	UP	354.2383	354.238	354.2384	3.428308	3.2634
13362	M369T9_2	1.110981	0.151834	0.293161	0.777066	0.883518	UP	368.9058	368.9045	368.9062	9.146383	9.110833
13363	M283T10_	1.100703	0.138425	0.294113	0.777252	0.883543	UP	283.3324	283.3319	283.3324	9.505267	9.432183
13364	M534T43_	1.056713	-0.07958	-0.29346	0.777288	0.883547	DOWN	534.2906	534.2903	534.2908	43.44508	43.2725
13365	M206T9_1	1.117455	0.160217	0.292888	0.777329	0.883553	UP	206.1334	206.1316	206.1347	9.313683	9.1503
13366	M568T21	1.082419	-0.11426	-0.29689	0.777461	0.88357	DOWN	568.4053	568.4041	568.4064	20.54983	20.51917
13367	M435T10_	1.116556	-0.15906	-0.29305	0.777491	0.883574	DOWN	435.2414	435.2296	435.2416	9.926125	9.827283
13368	M418T21	1.184853	0.244708	0.292921	0.777525	0.883579	UP	418.3081	418.3077	418.3092	21.23233	21.21217
13369	M200T9_1	1.119215	-0.16249	-0.29222	0.777552	0.883582	DOWN	199.9036	199.9031	199.9043	9.175017	9.12675

13370	M356T11	1.157882	0.211488	0.29497	0.777629	0.883592	UP	356.1292	356.1287	356.1295	10.873	10.83252
13371	M711T11_	1.085185	-0.11794	-0.29548	0.777698	0.883601	DOWN	711.3857	711.3853	711.3861	11.49677	11.47593
13372	M413T20_	1.035105	0.049777	0.292969	0.777854	0.883622	UP	413.3351	413.335	413.3353	20.24508	20.23017
13373	M478T45_	1.047599	0.067087	0.292215	0.777874	0.883625	UP	478.3007	478.3006	478.3008	44.83983	44.6385
13374	M368T19_	1.067777	-0.09461	-0.29763	0.777966	0.883637	DOWN	367.7326	367.7323	367.7328	18.71817	18.704
13375	M234T10_	1.076446	0.106276	0.296207	0.778055	0.883649	UP	233.501	233.5007	233.5012	9.964092	9.859233
13376	M543T12_	1.043587	-0.06155	-0.29145	0.778123	0.883658	DOWN	543.3753	543.375	543.3756	11.947	11.93353
13377	M534T9_2	1.126902	-0.17236	-0.29347	0.778361	0.883689	DOWN	534.1111	534.1098	534.1124	9.2585	9.032567
13378	M166T10_	1.087554	-0.12109	-0.29112	0.778391	0.883693	DOWN	165.7692	165.7691	165.7693	9.914217	9.811217
13379	M1055T23	1.114119	-0.1559	-0.29229	0.778428	0.883698	DOWN	1054.709	1054.709	1054.711	22.65417	22.62483
13380	M1227T10	1.065956	-0.09215	-0.29314	0.778506	0.883708	DOWN	1227.056	1227.053	1227.059	9.787433	9.696683
13381	M240T10_	1.085301	-0.1181	-0.29126	0.778546	0.883713	DOWN	240.4033	240.4031	240.4033	9.939575	9.827283
13382	M628T11_	1.039502	-0.05589	-0.29172	0.778548	0.883714	DOWN	628.4356	628.4354	628.436	11.48294	11.47298
13383	M261T10_	1.183567	0.243141	0.298701	0.778581	0.883718	UP	260.866	260.8658	260.8662	9.970617	9.885167
13384	M340T10_	1.089538	0.123716	0.290772	0.778632	0.883725	UP	339.5016	339.5013	339.5017	9.965717	9.843367
13385	M438T11_	1.048134	-0.06782	-0.29096	0.778648	0.883727	DOWN	438.1281	438.1279	438.1285	10.892	10.879
13386	M897T10_	1.048758	-0.06868	-0.29076	0.778692	0.883733	DOWN	897.2334	897.233	897.2339	9.93615	9.827283
13387	M379T10_	1.031491	0.044731	0.294676	0.778799	0.883747	UP	379.1819	379.1815	379.1821	9.902617	9.79535
13388	M261T11_	1.10622	0.145639	0.290395	0.778941	0.883766	UP	260.6883	260.6882	260.6884	10.87737	10.86008
13389	M878T10_	1.067245	0.093892	0.297805	0.778961	0.883768	UP	877.6558	877.6544	877.6565	9.95385	9.843367
13390	M476T9_2	1.082805	0.114773	0.294739	0.779048	0.88378	UP	476.4749	476.4737	476.4761	9.160617	8.980067
13391	M685T10_	1.031037	0.044096	0.2903	0.779055	0.883781	UP	684.6522	684.6495	684.6529	9.942317	9.728083
13392	M676T10_	1.024558	-0.035	-0.29133	0.779196	0.883799	DOWN	675.5664	675.5661	675.5675	9.825492	9.715683
13393	M423T11_	1.036456	0.051659	0.295869	0.779237	0.883805	UP	423.2447	423.2446	423.2449	10.91373	10.89355
13394	M438T11_	1.044592	-0.06294	-0.29016	0.779323	0.883816	DOWN	437.6429	437.6428	437.6437	10.89875	10.879
13395	M497T9_4	1.111049	0.151922	0.291124	0.77938	0.883824	UP	496.778	496.7778	496.7781	9.166033	9.129317
13396	M412T9_5	1.218432	0.285025	0.289835	0.779417	0.883828	UP	412.0954	412.093	412.0996	9.4925	9.398583
13397	M684T10_	1.098471	-0.1355	-0.29045	0.779432	0.88383	DOWN	683.8611	683.8609	683.8614	9.956417	9.843367
13398	M632T11_	1.067221	-0.09386	-0.29036	0.779497	0.883839	DOWN	632.0185	632.0183	632.0191	11.49657	11.47593
13399	M344T10_	1.222395	0.289711	0.297332	0.779557	0.883847	UP	344.253	344.2422	344.2536	9.799767	9.536783
13400	M592T24	1.091845	0.126768	0.289539	0.779561	0.883847	UP	592.3841	592.3838	592.3848	24.05217	24.03
13401	M299T43_	1.049178	0.069259	0.289404	0.779635	0.883857	UP	299.1486	299.1486	299.1488	43.30042	43.215
13402	M704T10_	1.076313	-0.1061	-0.28941	0.779718	0.883868	DOWN	703.9398	703.9396	703.9401	9.945258	9.827283
13403	M814T11_	1.054248	0.076215	0.293484	0.779737	0.883871	UP	814.2399	814.2392	814.2402	10.90551	10.879
13404	M333T10_	1.020646	0.029482	0.29583	0.779906	0.883893	UP	332.78	332.7799	332.7806	9.847133	9.73145

13405	M572T11_	1.113905	-0.15563	-0.28937	0.779918	0.883894	DOWN	572.3868	572.3855	572.3876	10.50444	10.41812
13406	M843T11	1.08917	0.123229	0.289347	0.779971	0.883901	UP	842.8343	842.8336	842.8351	10.89904	10.85018
13407	M214T25_	1.042393	-0.0599	-0.28966	0.779976	0.883902	DOWN	214.2525	214.2525	214.2527	25.3035	25.28567
13408	M263T9_2	1.169216	-0.22554	-0.28997	0.780052	0.883912	DOWN	263.0956	263.0954	263.096	9.429367	9.288883
13409	M631T10_	1.093993	-0.1296	-0.28922	0.780112	0.88392	DOWN	631.4166	631.4165	631.4169	9.924717	9.827283
13410	M539T9_2	1.056131	-0.07879	-0.29136	0.780119	0.883921	DOWN	539.3026	539.3024	539.3027	9.484417	9.38595
13411	M500T9_5	1.072822	-0.10141	-0.29527	0.780129	0.883922	DOWN	499.8058	499.8052	499.8087	9.40175	9.324917
13412	M534T30	1.064233	0.089813	0.296011	0.780188	0.88393	UP	534.3691	534.369	534.3696	30.2805	30.266
13413	M435T11_	1.076296	0.106076	0.29162	0.780463	0.883966	UP	434.6199	434.6193	434.6203	10.94208	10.9049
13414	M730T10_	1.083142	-0.11522	-0.29268	0.780495	0.88397	DOWN	729.9084	729.9081	729.909	10.32456	10.26307
13415	M359T9_7	1.044416	-0.0627	-0.28899	0.78052	0.883973	DOWN	359.4829	359.4826	359.483	8.878567	8.7875
13416	M420T10_	1.087615	0.121168	0.292705	0.780549	0.883977	UP	419.8891	419.8887	419.8894	9.939575	9.827283
13417	M436T9_5	1.105344	0.144496	0.288176	0.780922	0.884026	UP	435.7835	435.7829	435.7838	8.825567	8.730433
13418	M359T10_	1.083363	-0.11552	-0.2879	0.781065	0.884045	DOWN	359.4003	359.4002	359.4004	9.958617	9.843367
13419	M425T10_	1.041092	-0.0581	-0.28791	0.781147	0.884056	DOWN	424.7885	424.7816	424.7888	10.16418	10.12287
13420	M345T44	1.064264	0.089856	0.290374	0.781152	0.884056	UP	345.1906	345.1903	345.1908	44.14967	43.77583
13421	M437T9_7	1.094274	0.129974	0.290104	0.781213	0.884064	UP	437.236	437.2353	437.2367	8.955933	8.7654
13422	M706T10_	1.070973	0.098923	0.295754	0.78124	0.884068	UP	705.5195	705.5078	705.5204	9.823575	9.715683
13423	M610T21	1.08823	-0.12198	-0.28859	0.781297	0.884075	DOWN	610.3948	610.3939	610.396	21.3065	21.26983
13424	M869T9	1.117092	-0.15975	-0.28702	0.781389	0.884088	DOWN	868.5538	868.5529	868.5547	8.798117	8.6529
13425	M233T10_	1.077745	-0.10802	-0.28771	0.78141	0.88409	DOWN	233.0027	232.999	233.0069	9.910075	9.843367
13426	M349T10_	1.044352	-0.06261	-0.29118	0.781449	0.884096	DOWN	348.7459	348.7458	348.7461	9.825492	9.715683
13427	M353T33	1.11504	0.157095	0.286962	0.781583	0.884113	UP	353.2922	353.2918	353.2925	32.79183	32.7485
13428	M260T10_	1.139494	0.188393	0.290473	0.781603	0.884116	UP	260.3022	260.3018	260.3023	9.975217	9.859233
13429	M375T10_	1.136062	0.184041	0.289575	0.781726	0.884132	UP	375.4942	375.4938	375.4953	9.952017	9.932
13430	M753T10_	1.167206	0.22306	0.287441	0.781766	0.884137	UP	753.2743	753.2712	753.2763	9.840617	9.758367
13431	M224T10_	1.087208	0.120628	0.291936	0.781923	0.884158	UP	223.6688	223.6685	223.6689	9.984083	9.8753
13432	M1663T10	1.111764	-0.15285	-0.28686	0.781928	0.884158	DOWN	1662.722	1662.721	1662.723	9.964092	9.859233
13433	M627T11	1.037857	-0.05361	-0.28719	0.781932	0.884159	DOWN	627.4324	627.432	627.4328	11.48533	11.47593
13434	M353T10_	1.077983	-0.10833	-0.28607	0.782149	0.884187	DOWN	353.0261	353.026	353.0263	9.968992	9.859233
13435	M299T41_	1.053625	0.075362	0.286786	0.78219	0.884193	UP	299.1487	299.1486	299.1488	40.9855	40.8845
13436	M257T10_	1.088138	-0.12186	-0.28616	0.782455	0.884227	DOWN	256.9339	256.9337	256.9339	9.95605	9.843367
13437	M362T31	1.103319	-0.14185	-0.28535	0.782627	0.88425	DOWN	362.2973	362.2971	362.2975	31.3635	31.3495
13438	M426T11_	1.054149	0.076078	0.286293	0.782663	0.884254	UP	425.7832	425.783	425.7835	10.94161	10.90785
13439	M360T17_	1.06866	0.095802	0.285278	0.782682	0.884257	UP	359.7578	359.7572	359.7579	16.694	16.66575



13440	M182T9_2	1.169102	0.225401	0.286158	0.782725	0.884263	UP	181.6747	181.6743	181.6752	9.16835	9.103733
13441	M161T10_	1.147441	0.198421	0.285636	0.782802	0.884273	UP	161.4784	161.478	161.4784	9.778967	9.76065
13442	M529T11_	1.061928	-0.08669	-0.28582	0.782885	0.884283	DOWN	529.3595	529.3591	529.3597	10.59197	10.55068
13443	M542T11_	1.049913	-0.07027	-0.2862	0.783006	0.884299	DOWN	542.3391	542.339	542.3394	10.56108	10.53607
13444	M733T10_	1.068906	-0.09613	-0.28486	0.783039	0.884304	DOWN	732.5887	732.5882	732.5893	9.956417	9.843367
13445	M1840T10	1.084003	0.116368	0.285147	0.783085	0.88431	UP	1840.061	1840.059	1840.062	9.972217	9.8753
13446	M355T11_	1.041866	0.05917	0.285478	0.783099	0.884311	UP	354.8569	354.8567	354.8571	10.89875	10.879
13447	M343T14	1.089172	-0.12323	-0.28707	0.783331	0.884342	DOWN	342.7701	342.7697	342.7705	14.13675	14.07782
13448	M861T11	1.061757	-0.08645	-0.28442	0.783482	0.884361	DOWN	861.486	861.4857	861.4864	10.73326	10.6937
13449	M400T31	1.027998	-0.03984	-0.28532	0.783502	0.884364	DOWN	400.2537	400.2536	400.2539	31.12892	31.11883
13450	M320T9_2	1.107386	-0.14716	-0.28433	0.783571	0.884373	DOWN	319.7741	319.7738	319.7743	8.985083	8.9396
13451	M585T9_3	1.049283	-0.0694	-0.28405	0.783625	0.88438	DOWN	585.3745	585.3741	585.375	8.745917	8.63795
13452	M725T10_	1.066978	-0.09353	-0.28669	0.783691	0.884389	DOWN	724.9534	724.9515	724.9536	10.32319	10.26307
13453	M226T10_	1.094581	-0.13038	-0.29118	0.783756	0.884397	DOWN	225.9865	225.9841	225.9867	9.931875	9.8378
13454	M520T30	1.143957	0.194032	0.286814	0.783764	0.884398	UP	520.3395	520.3389	520.3399	30.42433	30.41017
13455	M326T9_4	1.056137	-0.0788	-0.28417	0.783837	0.884408	DOWN	326.28	326.2799	326.2801	9.3241	9.129317
13456	M342T10_	1.057117	-0.08013	-0.28432	0.783887	0.884414	DOWN	341.9462	341.9461	341.9465	9.956417	9.859233
13457	M320T41_	1.121304	-0.16518	-0.28385	0.783891	0.884415	DOWN	320.1702	320.1701	320.1703	41.20117	40.9565
13458	M683T20	1.067515	0.094257	0.284987	0.783913	0.884418	UP	683.3727	683.3722	683.3732	19.63483	19.5695
13459	M508T10_	1.201673	0.265045	0.283938	0.783917	0.884418	UP	508.222	508.2214	508.2223	9.958492	9.859233
13460	M187T41_	1.059511	0.083398	0.283734	0.78392	0.884419	UP	187.0962	187.0962	187.0963	40.84517	40.62567
13461	M454T9_9	1.08274	-0.11469	-0.28871	0.783944	0.884422	DOWN	453.8485	453.8469	453.8581	9.188783	9.095133
13462	M409T24	1.118976	-0.16218	-0.28522	0.784119	0.884445	DOWN	409.1749	409.1746	409.1751	24.33267	24.318
13463	M195T11_	1.10243	0.140687	0.287758	0.784154	0.884449	UP	194.6725	194.6715	194.6731	10.90548	10.86275
13464	M318T9_1	1.188274	0.248868	0.291541	0.784178	0.884452	UP	318.4252	318.425	318.4257	9.468325	9.370583
13465	M754T10_	1.102352	0.140585	0.289134	0.784315	0.88447	UP	753.6043	753.6027	753.6075	9.942317	9.843367
13466	M787T11_	1.0919	-0.12684	-0.28336	0.784344	0.884474	DOWN	787.4351	787.4346	787.4355	10.8926	10.85838
13467	M552T14	1.060229	0.084375	0.282986	0.784377	0.884478	UP	552.4155	552.4148	552.4166	13.99731	13.96093
13468	M630T10_	1.07824	0.108678	0.283524	0.784397	0.884481	UP	629.68	629.6793	629.6814	9.851058	9.65225
13469	M394T21	1.057909	-0.08121	-0.28296	0.784423	0.884484	DOWN	394.2892	394.2886	394.2894	21.16442	21.15083
13470	M264T9_5	1.15516	0.208092	0.287341	0.784694	0.884519	UP	263.9529	263.9528	263.9533	9.3907	9.29015
13471	M333T11_	1.044907	-0.06337	-0.28307	0.784727	0.884524	DOWN	333.0808	333.0805	333.0811	10.90197	10.879
13472	M1730T10	1.11687	0.159462	0.286737	0.784832	0.884537	UP	1730.446	1730.442	1730.451	9.842	9.758367
13473	M315T31	1.056761	0.07965	0.282582	0.784877	0.884543	UP	315.3082	315.3079	315.3091	31.066	31.0465
13474	M477T7	1.108154	0.148158	0.282227	0.785002	0.88456	UP	477.3309	477.3307	477.3313	6.93925	6.790933

13475	M710T10_	1.037248	-0.05276	-0.28241	0.785023	0.884562	DOWN	709.7679	709.7676	709.7683	9.82645	9.699733
13476	M699T10_	1.067345	-0.09403	-0.28211	0.785129	0.884576	DOWN	699.0575	699.0572	699.0577	9.94785	9.843367
13477	M246T14	1.063875	0.089329	0.284748	0.785154	0.884579	UP	246.0207	246.0206	246.0209	13.57331	13.5218
13478	M367T9_3	1.099124	-0.13635	-0.28192	0.785159	0.88458	DOWN	366.9751	366.9736	366.9755	9.374617	9.1911
13479	M701T12	1.046968	0.066217	0.283201	0.785239	0.88459	UP	701.4934	701.4932	701.4936	12.24455	12.16562
13480	M701T21_	1.106377	-0.14584	-0.28178	0.785267	0.884594	DOWN	701.4937	701.4932	701.4938	20.77783	20.5045
13481	M403T45	1.05215	-0.07334	-0.28769	0.785287	0.884597	DOWN	403.2324	403.2321	403.2326	44.8685	44.75717
13482	M1097T21	1.063449	0.088751	0.281993	0.785291	0.884597	UP	1096.576	1096.574	1096.577	21.12217	20.93867
13483	M504T41_	1.069857	-0.09742	-0.28967	0.785318	0.884601	DOWN	504.28	504.2797	504.2803	40.7695	40.72333
13484	M266T9_2	1.097717	-0.13451	-0.28286	0.785474	0.884621	DOWN	266.2203	266.22	266.2204	8.978067	8.922033
13485	M526T24_	1.086377	-0.11953	-0.28359	0.785544	0.88463	DOWN	526.0487	526.0479	526.0488	24.11342	24.07367
13486	M913T11	1.069605	0.097078	0.281539	0.785579	0.884635	UP	913.3586	913.3579	913.359	10.90659	10.8646
13487	M356T10_	1.067282	-0.09394	-0.28863	0.785619	0.88464	DOWN	355.9955	355.9949	355.9957	9.839625	9.699733
13488	M399T41	1.06212	-0.08695	-0.29038	0.785773	0.88466	DOWN	399.2373	399.2372	399.2375	41.1215	40.87017
13489	M259T10_	1.083819	-0.11612	-0.28346	0.785813	0.884665	DOWN	258.707	258.7068	258.7071	9.983467	9.8753
13490	M154T11_	1.13135	-0.17805	-0.28342	0.785867	0.884672	DOWN	154.0486	154.0485	154.0487	10.88413	10.85018
13491	M496T9_1	1.050014	0.070409	0.281809	0.785887	0.884674	UP	496.2792	496.2788	496.2794	9.35315	9.300733
13492	M276T43_	1.02322	-0.03312	-0.28092	0.785916	0.884678	DOWN	276.1802	276.18	276.1803	42.9705	42.91283
13493	M829T10_	1.072542	-0.10103	-0.28138	0.785961	0.884684	DOWN	828.5889	828.5878	828.5896	9.972483	9.859233
13494	M528T10_	1.046436	-0.06548	-0.28084	0.785987	0.884687	DOWN	528.0089	528.0084	528.0094	9.949233	9.853533
13495	M368T9_4	1.07634	-0.10613	-0.28327	0.7861	0.884702	DOWN	368.1719	368.1705	368.1729	9.189117	9.1445
13496	M303T10_	1.083243	0.115357	0.284379	0.786196	0.884715	UP	302.5641	302.564	302.5646	9.626517	9.510117
13497	M311T38	1.027808	0.03957	0.280309	0.786355	0.884735	UP	311.2943	311.2941	311.2945	38.36683	38.3665
13498	M226T9_5	1.040862	-0.05778	-0.28025	0.78646	0.884749	DOWN	226.1911	226.191	226.1912	9.288817	9.129317
13499	M809T10_	1.059406	0.083255	0.280109	0.786501	0.884754	UP	809.4439	809.4434	809.4445	10.26696	10.19852
13500	M570T11_	1.054819	-0.077	-0.2813	0.786574	0.884764	DOWN	569.5693	569.5689	569.5696	10.50608	10.45607
13501	M196T10_	1.163244	-0.21815	-0.27986	0.786698	0.88478	DOWN	196.3455	196.3454	196.3456	9.967367	9.885167
13502	M368T11_	1.08184	0.113488	0.280006	0.786718	0.884782	UP	368.2724	368.2722	368.2725	11.12207	11.08157
13503	M635T9_3	1.057627	0.080831	0.284009	0.78679	0.884792	UP	635.4258	635.425	635.429	9.278717	9.129317
13504	M210T10_	1.077131	-0.10719	-0.28482	0.786859	0.884801	DOWN	209.7494	209.7491	209.7562	9.869467	9.8207
13505	M401T12	1.080656	-0.11191	-0.2838	0.786905	0.884807	DOWN	401.1901	401.1897	401.1909	11.61045	11.59755
13506	M718T25	1.084018	0.116389	0.281143	0.786953	0.884813	UP	718.4891	718.4887	718.4894	24.6525	24.651
13507	M1414T10	1.062429	0.087367	0.282786	0.787061	0.884827	UP	1414.225	1414.224	1414.225	9.960967	9.8753
13508	M1366T45	1.065526	-0.09157	-0.27953	0.787095	0.884831	DOWN	1365.908	1365.903	1365.909	44.5955	44.52367
13509	M795T10_	1.090492	-0.12498	-0.28074	0.787108	0.884833	DOWN	795.474	795.4737	795.4749	9.992233	9.859233

13510	M277T11_	1.044643	-0.06301	-0.28062	0.787136	0.884836	DOWN	276.5087	276.5085	276.5089	10.90628	10.8646
13511	M1872T10	1.052196	-0.0734	-0.28007	0.787162	0.88484	DOWN	1871.924	1871.923	1871.928	9.81635	9.715683
13512	M384T10_	1.057986	-0.08132	-0.28407	0.78725	0.884851	DOWN	383.9525	383.9445	383.953	9.989483	9.830283
13513	M354T10_	1.071473	-0.0996	-0.28037	0.787269	0.884854	DOWN	354.481	354.4805	354.4845	9.85045	9.715683
13514	M509T9_1	1.068703	0.095861	0.287383	0.787276	0.884855	UP	508.5584	508.5576	508.5587	9.275217	9.234417
13515	M457T23	1.147342	0.198296	0.279035	0.787319	0.88486	UP	457.1575	457.1572	457.1584	23.39367	23.32283
13516	M612T10_	1.072637	0.101162	0.280011	0.787331	0.884862	UP	612.3201	612.3191	612.3218	9.964092	9.859233
13517	M638T10_	1.083053	0.115103	0.279318	0.787389	0.884869	UP	638.1613	638.1607	638.1636	9.872933	9.743767
13518	M675T10_	1.118406	-0.16144	-0.28062	0.787423	0.884874	DOWN	675.1131	675.1124	675.1135	9.8322	9.715683
13519	M373T42_	1.093525	0.128986	0.278923	0.787487	0.884882	UP	373.2218	373.2216	373.2219	42.03567	41.89167
13520	M584T10_	1.11211	0.153299	0.280996	0.787505	0.884884	UP	584.3567	584.3543	584.3604	9.702875	9.643967
13521	M481T9_6	1.159115	-0.21302	-0.28389	0.787561	0.884891	DOWN	481.2614	481.2598	481.2621	9.024133	8.672483
13522	M152T10_	1.119691	-0.1631	-0.27869	0.787575	0.884893	DOWN	151.9614	151.9614	151.9615	9.970617	9.916767
13523	M258T11_	1.082438	0.114284	0.278851	0.787579	0.884894	UP	258.4619	258.4611	258.4624	10.90669	10.88747
13524	M1255T11	1.052768	0.074188	0.278484	0.787725	0.884913	UP	1254.541	1254.54	1254.543	10.90343	10.89125
13525	M1414T10	1.090487	0.124973	0.279103	0.787748	0.884916	UP	1414.083	1414.082	1414.085	9.970617	9.859233
13526	M616T18	1.078838	-0.10948	-0.28274	0.787808	0.884923	DOWN	615.9156	615.9149	615.9164	18.0195	17.98817
13527	M167T9_1	1.058344	0.081808	0.282476	0.78783	0.884926	UP	166.5121	166.5118	166.5122	9.3735	9.26575
13528	M478T43_	1.035808	0.050756	0.285063	0.787847	0.884928	UP	478.3005	478.3003	478.3008	43.12867	42.94167
13529	M331T9_1	1.061765	-0.08646	-0.27851	0.787908	0.884936	DOWN	331.2901	331.2877	331.2904	9.481367	9.370583
13530	M756T10_	1.069285	0.096646	0.27832	0.787951	0.884942	UP	755.8783	755.8771	755.8787	9.94785	9.843367
13531	M356T10_	1.109299	-0.14965	-0.2789	0.788135	0.884966	DOWN	355.5992	355.5978	355.6019	9.857683	9.715683
13532	M388T9_2	1.198105	-0.26075	-0.27939	0.788178	0.884971	DOWN	388.3116	388.3114	388.312	9.2612	9.205717
13533	M1028T10	1.106294	-0.14573	-0.27921	0.788185	0.884972	DOWN	1027.54	1027.538	1027.541	9.830083	9.636483
13534	M431T11_	1.160567	0.21483	0.284181	0.788344	0.884993	UP	431.2271	431.2247	431.2325	10.87572	10.83417
13535	M479T20	1.090388	-0.12484	-0.27777	0.788405	0.885	DOWN	479.3555	479.3541	479.3557	19.94	19.7365
13536	M318T10_	1.039535	0.055939	0.277595	0.78841	0.885001	UP	318.1354	318.135	318.1356	9.964092	9.8753
13537	M426T27_	1.0851	-0.11783	-0.27864	0.788434	0.885004	DOWN	426.0476	426.0474	426.0477	27.041	27.034
13538	M469T11_	1.044849	-0.06329	-0.27797	0.788464	0.885008	DOWN	469.3177	469.3176	469.3189	10.91181	10.879
13539	M683T10_	1.085222	-0.11799	-0.27883	0.788529	0.885016	DOWN	682.8516	682.8513	682.8525	9.943183	9.827283
13540	M512T36	1.119771	-0.1632	-0.27768	0.788686	0.885037	DOWN	512.4152	512.415	512.4155	36.14542	36.11417
13541	M378T10_	1.02719	-0.0387	-0.2774	0.788823	0.885054	DOWN	377.988	377.9878	377.9881	9.917167	9.811217
13542	M602T10_	1.105138	0.144226	0.279258	0.788956	0.885072	UP	601.8226	601.8222	601.8228	9.979342	9.859233
13543	M394T9_7	1.070048	-0.09768	-0.27808	0.789128	0.885094	DOWN	394.213	394.2126	394.2133	8.870558	8.7891
13544	M596T11_	1.057993	0.08133	0.276725	0.789134	0.885094	UP	595.6062	595.6057	595.6077	10.86471	10.82935

13545	M220T10_	1.037047	-0.05248	-0.27745	0.789187	0.885101	DOWN	220.0265	220.0262	220.0266	9.946467	9.827283
13546	M571T10_	1.062049	-0.08685	-0.27915	0.78921	0.885104	DOWN	571.2712	571.2706	571.2723	9.960817	9.843367
13547	M528T17_	1.071134	-0.09914	-0.27652	0.789224	0.885106	DOWN	528.3765	528.3762	528.377	17.044	17.00083
13548	M452T10_	1.090555	-0.12506	-0.27823	0.78924	0.885108	DOWN	452.0776	452.0772	452.0778	9.958617	9.843367
13549	M326T25	1.031244	0.044386	0.276741	0.789244	0.885109	UP	326.196	326.1958	326.1961	24.6235	24.60867
13550	M819T26	1.056112	-0.07876	-0.27642	0.789364	0.885124	DOWN	818.5838	818.5836	818.584	25.55033	25.544
13551	M513T9_1	1.181163	-0.24021	-0.27694	0.789375	0.885126	DOWN	512.6098	512.6097	512.6102	9.294417	9.176533
13552	M349T9_8	1.155158	0.20809	0.28175	0.789379	0.885126	UP	348.7727	348.7723	348.7733	9.101208	9.0169
13553	M817T11_	1.053317	0.074939	0.277168	0.789435	0.885133	UP	817.4597	817.459	817.46	10.58094	10.55068
13554	M722T10_	1.073812	-0.10274	-0.27613	0.789458	0.885136	DOWN	721.8922	721.8917	721.8933	10.05965	9.971833
13555	M640T10_	1.035165	0.049861	0.276448	0.789485	0.88514	UP	639.533	639.5323	639.5367	9.8397	9.715683
13556	M383T9_3	1.107584	-0.14742	-0.27799	0.789616	0.885157	DOWN	382.8219	382.8213	382.8223	9.1587	9.110833
13557	M223T11_	1.051117	0.071923	0.280251	0.789643	0.88516	UP	222.6928	222.6926	222.693	10.91977	10.879
13558	M357T14_	1.126	-0.17121	-0.27613	0.789651	0.885161	DOWN	357.2172	357.217	357.2257	13.88775	13.85835
13559	M762T10_	1.082168	-0.11392	-0.27655	0.78966	0.885162	DOWN	762.4742	762.4741	762.4748	10.26718	10.19852
13560	M480T40_	1.041882	-0.05919	-0.2762	0.7899	0.885193	DOWN	480.2799	480.2797	480.2803	39.92067	39.56083
13561	M278T9_2	1.131822	-0.17865	-0.27551	0.789958	0.885201	DOWN	278.1855	278.1853	278.1859	8.955933	8.93705
13562	M453T9_8	1.121282	0.16515	0.277178	0.790082	0.885217	UP	452.9823	452.9786	452.9826	9.406667	9.175017
13563	M440T9_1	1.10963	-0.15008	-0.27831	0.790178	0.885229	DOWN	439.6327	439.6318	439.6331	8.819425	8.772383
13564	M615T10_	1.100013	-0.13752	-0.27664	0.79026	0.885239	DOWN	614.6945	614.6942	614.6947	9.970617	9.859233
13565	M616T10_	1.071845	-0.1001	-0.27625	0.79042	0.88526	DOWN	615.9913	615.9883	615.9948	9.772125	9.46325
13566	M505T10_	1.067966	0.094865	0.274886	0.790472	0.885267	UP	505.3543	505.3537	505.3545	9.958617	9.843367
13567	M658T10_	1.072786	-0.10136	-0.27476	0.790507	0.885271	DOWN	658.1107	658.1101	658.111	9.948875	9.843367
13568	M472T24	1.095908	-0.13213	-0.27478	0.790549	0.885277	DOWN	472.3473	472.3471	472.3475	24.07825	24.04567
13569	M349T11_	1.065264	-0.09121	-0.27478	0.790585	0.885281	DOWN	348.8939	348.8936	348.8942	10.89953	10.879
13570	M686T9_4	1.111783	0.152875	0.275021	0.790635	0.885288	UP	686.3949	686.3941	686.3953	8.873867	8.818733
13571	M331T10_	1.101599	0.139599	0.274527	0.790638	0.885288	UP	331.0706	331.0652	331.0709	9.857683	9.715683
13572	M263T10_	1.055405	-0.0778	-0.27471	0.790733	0.8853	DOWN	263.2868	263.2866	263.287	9.787633	9.65225
13573	M183T9_1	1.15283	-0.20518	-0.27442	0.790774	0.885306	DOWN	183.1915	183.1903	183.1927	9.278717	9.103733
13574	M416T43_	1.077794	0.108082	0.27694	0.790787	0.885307	UP	416.2276	416.2274	416.2278	43.15733	43.02783
13575	M535T10_	1.046516	-0.06559	-0.27465	0.790954	0.885329	DOWN	534.7102	534.71	534.7112	9.945258	9.827283
13576	M433T10_	1.094263	-0.12996	-0.27531	0.791077	0.885344	DOWN	433.03	433.0295	433.0303	9.918242	9.811217
13577	M491T10_	1.10948	-0.14988	-0.27377	0.791245	0.885366	DOWN	491.1045	491.1032	491.1051	9.928667	9.822117
13578	M464T9_1	1.066963	-0.09351	-0.27955	0.791358	0.88538	DOWN	463.7282	463.7276	463.7287	9.284683	9.22495
13579	M449T9_9	1.054705	-0.07684	-0.27534	0.791424	0.885389	DOWN	449.498	449.4967	449.4985	9.320067	9.129317

13580	M206T10_	1.115626	-0.15785	-0.27353	0.791516	0.885401	DOWN	205.5936	205.5792	205.5938	9.932	9.766367
13581	M655T10_	1.106421	-0.1459	-0.27414	0.791561	0.885406	DOWN	654.6623	654.6618	654.6628	9.960467	9.932
13582	M498T9_7	1.044414	-0.06269	-0.27409	0.79168	0.885422	DOWN	498.0364	498.0359	498.0374	9.240958	9.129317
13583	M303T10_	1.033171	-0.04708	-0.27367	0.791945	0.885456	DOWN	303.2158	303.2065	303.216	9.915933	9.811217
13584	M333T10_	1.013534	-0.01939	-0.27822	0.791993	0.885462	DOWN	333.4212	333.421	333.422	9.8397	9.73145
13585	M397T30	1.073911	-0.10287	-0.2766	0.792038	0.885468	DOWN	397.335	397.3347	397.3362	30.16583	30.15133
13586	M652T10_	1.072696	-0.10124	-0.27586	0.792104	0.885476	DOWN	652.3674	652.3664	652.3678	10.40425	10.34372
13587	M896T27	1.091087	0.125766	0.273074	0.792209	0.885489	UP	896.4126	896.4118	896.4144	27.138	27.11267
13588	M243T10_	1.108801	0.149001	0.278093	0.79227	0.885497	UP	243.3846	243.3843	243.3847	9.919675	9.811217
13589	M337T10_	1.041696	-0.05893	-0.27229	0.792333	0.885505	DOWN	337.2129	337.2126	337.213	9.959533	9.843367
13590	M288T25	1.066803	-0.09329	-0.27413	0.792341	0.885506	DOWN	288.2529	288.2528	288.2531	25.21767	25.19833
13591	M424T11_	1.03315	0.04705	0.278478	0.792366	0.885509	UP	424.2482	424.2481	424.2485	10.91978	10.89355
13592	M1374T10	1.084664	0.117248	0.272181	0.792566	0.885535	UP	1373.966	1373.965	1373.967	9.97155	9.8753
13593	M226T10_	1.047858	0.067443	0.271888	0.792597	0.885539	UP	225.792	225.7918	225.7923	9.903017	9.811217
13594	M228T11_	1.064176	0.089737	0.27351	0.792627	0.885543	UP	227.5696	227.5648	227.5698	10.89668	10.85018
13595	M814T11_	1.060625	0.084915	0.273961	0.792678	0.885549	UP	814.4617	814.4606	814.463	10.93208	10.84487
13596	M724T31	1.103666	-0.1423	-0.27178	0.79268	0.88555	DOWN	723.5882	723.5878	723.5886	31.3495	31.33783
13597	M578T11_	1.064456	-0.09012	-0.27179	0.792688	0.885551	DOWN	577.619	577.6173	577.6221	10.892	10.8646
13598	M205T9_3	1.05408	-0.07598	-0.27237	0.792752	0.885559	DOWN	205.0601	205.0597	205.0605	9.3385	9.1587
13599	M775T9	1.108036	-0.14801	-0.27734	0.792789	0.885564	DOWN	775.4466	775.4446	775.4468	9.495967	9.447983
13600	M209T10_	1.050132	-0.07057	-0.27414	0.792793	0.885564	DOWN	209.2571	209.257	209.2571	9.84695	9.73145
13601	M397T11_	1.054573	0.076659	0.275216	0.792901	0.885578	UP	396.9562	396.9559	396.9563	10.89907	10.8646
13602	M1343T10	1.059353	-0.08318	-0.27175	0.79294	0.885583	DOWN	1342.621	1342.616	1342.624	9.904767	9.827283
13603	M194T9_7	1.145454	0.195919	0.276939	0.792966	0.885586	UP	193.853	193.8528	193.8535	9.365833	9.20785
13604	M1037T18	1.122732	-0.16701	-0.27249	0.79301	0.885592	DOWN	1036.506	1036.502	1036.506	17.8595	17.846
13605	M408T10_	1.080281	0.111406	0.27431	0.793101	0.885604	UP	407.7698	407.7698	407.77	9.88815	9.872067
13606	M510T9_2	1.127602	-0.17326	-0.27288	0.793106	0.885604	DOWN	510.2095	510.2093	510.2101	9.283817	9.1602
13607	M422T10_	1.083897	-0.11623	-0.27119	0.793145	0.885609	DOWN	421.8901	421.8892	421.8948	9.956417	9.843367
13608	M438T9_7	1.055288	-0.07764	-0.27316	0.793198	0.885616	DOWN	438.2324	438.2318	438.2393	9.270483	9.103733
13609	M697T11	1.057858	0.081146	0.2754	0.793231	0.88562	UP	697.3974	697.3966	697.3984	10.82595	10.80222
13610	M326T10_	1.042261	-0.05972	-0.27314	0.793275	0.885626	DOWN	326.2622	326.2619	326.2624	9.859408	9.73145
13611	M457T11	1.070313	0.098033	0.274421	0.793329	0.885633	UP	456.7395	456.7367	456.7409	10.90765	10.877
13612	M401T10_	1.062332	0.087234	0.271097	0.793346	0.885635	UP	401.2256	401.2254	401.2258	9.9351	9.827283
13613	M705T10_	1.068718	-0.09588	-0.27187	0.793498	0.885654	DOWN	705.4097	705.4091	705.4101	9.802117	9.699733
13614	M444T11_	1.049813	-0.07013	-0.27097	0.793522	0.885657	DOWN	444.1816	444.1815	444.182	10.89907	10.8646

13615	M243T11_	1.044339	-0.06259	-0.2704	0.79371	0.885681	DOWN	242.9082	242.9081	242.9084	10.90519	10.879
13616	M390T9_3	1.102273	-0.14048	-0.27392	0.793765	0.885688	DOWN	389.7485	389.7481	389.749	9.197983	9.111033
13617	M461T11_	1.069473	0.0969	0.272917	0.793862	0.885701	UP	461.3925	461.3915	461.3936	10.89953	10.88747
13618	M424T30	1.062917	-0.08803	-0.27508	0.793885	0.885704	DOWN	424.3346	424.3343	424.3348	30.23767	30.2225
13619	M552T10_	1.107029	0.146693	0.273712	0.793996	0.885718	UP	551.8459	551.8452	551.8462	9.951283	9.8378
13620	M416T9_3	1.088031	-0.12172	-0.27004	0.794024	0.885721	DOWN	415.9771	415.9767	415.9778	9.219375	9.129317
13621	M731T11_	1.100779	0.138525	0.274388	0.794124	0.885734	UP	731.3802	731.3789	731.3807	10.83252	10.8214
13622	M352T11_	1.038181	-0.05406	-0.27355	0.794129	0.885735	DOWN	351.5998	351.5997	351.6001	10.89875	10.879
13623	M521T9_8	1.065572	0.091628	0.269833	0.794133	0.885735	UP	521.1731	521.1725	521.1735	9.3385	9.235933
13624	M586T9_2	1.083703	-0.11597	-0.2698	0.794147	0.885737	DOWN	585.706	585.7002	585.7077	9.328967	9.204617
13625	M265T10_	1.113727	-0.1554	-0.27003	0.794185	0.885742	DOWN	265.1026	265.1024	265.1041	9.714783	9.595733
13626	M544T12	1.08444	-0.11695	-0.27063	0.794322	0.885759	DOWN	544.3785	544.3778	544.3903	11.94791	11.92938
13627	M248T10_	1.087025	0.120386	0.2709	0.794336	0.885761	UP	248.1786	248.1683	248.1788	9.7739	9.636483
13628	M415T41_	1.022902	-0.03267	-0.2696	0.794419	0.885772	DOWN	415.2323	415.232	415.2325	40.94208	40.87033
13629	M872T10	1.085524	-0.11839	-0.26937	0.794462	0.885777	DOWN	871.8176	871.8175	871.8181	9.979667	9.8914
13630	M369T10_	1.041345	-0.05845	-0.26958	0.794528	0.885786	DOWN	369.4397	369.4394	369.4409	9.916617	9.811217
13631	M765T36	1.100489	-0.13815	-0.26971	0.794564	0.88579	DOWN	765.4976	765.4961	765.4981	35.93467	35.86483
13632	M692T11_	1.041714	0.05896	0.271225	0.794605	0.885795	UP	691.5063	691.5042	691.5066	10.84733	10.78395
13633	M1978T10	1.065666	-0.09176	-0.27146	0.794651	0.885801	DOWN	1978.358	1978.356	1978.361	9.840617	9.772833
13634	M728T10_	1.081176	-0.1126	-0.26984	0.79474	0.885812	DOWN	727.6324	727.6319	727.6329	9.95385	9.843367
13635	M193T11_	1.102556	0.140852	0.268967	0.794767	0.885816	UP	193.0421	193.042	193.0421	10.88424	10.83572
13636	M396T26	1.057242	-0.08031	-0.26948	0.794795	0.885819	DOWN	396.2508	396.2503	396.2515	26.34767	26.3215
13637	M575T10_	1.114493	-0.15639	-0.26885	0.794942	0.885838	DOWN	574.9132	574.913	574.9135	9.934533	9.9174
13638	M406T11_	1.053341	0.074973	0.271124	0.79495	0.885839	UP	405.641	405.6405	405.6421	10.90765	10.87487
13639	M271T11_	1.042097	-0.05949	-0.26981	0.794973	0.885842	DOWN	270.523	270.5229	270.5232	10.892	10.879
13640	M400T10_	1.076559	0.106427	0.273541	0.794988	0.885844	UP	400.3691	400.3688	400.3698	9.9351	9.827283
13641	M481T11_	1.041531	-0.05871	-0.26865	0.795107	0.885859	DOWN	480.8998	480.8994	480.9	10.892	10.8646
13642	M465T9	1.145088	0.195459	0.273988	0.795234	0.885875	UP	464.8289	464.8288	464.829	9.30965	9.21385
13643	M467T9_2	1.086585	-0.1198	-0.26877	0.795253	0.885878	DOWN	467.2631	467.2627	467.2634	8.94275	8.872733
13644	M342T10_	1.034999	0.049629	0.274826	0.795272	0.88588	UP	342.1712	342.1709	342.1713	9.8207	9.715683
13645	M211T10_	1.040681	-0.05753	-0.27117	0.79534	0.885889	DOWN	211.019	211.0189	211.0268	9.828267	9.699733
13646	M1820T10	1.080196	-0.11129	-0.26859	0.795342	0.885889	DOWN	1819.905	1819.902	1819.907	9.965892	9.859233
13647	M295T21_	1.114585	-0.15651	-0.27583	0.795401	0.885896	DOWN	295.2459	295.2459	295.2463	20.85467	20.84967
13648	M388T9_1	1.061129	0.0856	0.273084	0.795442	0.885902	UP	388.2544	388.2542	388.2548	8.88765	8.832317
13649	M425T10_	1.040447	-0.0572	-0.26819	0.795528	0.885913	DOWN	425.3012	425.3008	425.3014	10.48972	10.44008

13650	M367T11_	1.068767	0.095948	0.267935	0.795729	0.885938	UP	367.2691	367.2689	367.2693	11.09961	11.08157
13651	M255T10_	1.065922	-0.0921	-0.26766	0.795733	0.885939	DOWN	255.4071	255.407	255.4072	9.960817	9.843367
13652	M589T9_4	1.085925	-0.11892	-0.2681	0.795882	0.885958	DOWN	588.8818	588.881	588.8842	9.2939	9.234417
13653	M297T10_	1.074698	0.103932	0.268283	0.795897	0.88596	UP	297.2147	297.2076	297.2149	9.951442	9.843367
13654	M592T10_	1.089716	0.123952	0.267506	0.795912	0.885961	UP	592.135	592.1341	592.1358	9.915583	9.827283
13655	M250T9_4	1.040636	0.057465	0.270338	0.795928	0.885963	UP	250.0723	250.0722	250.0724	8.735275	8.63795
13656	M633T11_	1.080371	0.111526	0.267436	0.795991	0.885971	UP	633.0329	633.0323	633.0338	11.49152	11.46753
13657	M517T9_1	1.135089	-0.18281	-0.27561	0.796012	0.885974	DOWN	516.976	516.9752	516.9765	9.37735	9.25985
13658	M624T11_	1.039385	-0.05573	-0.26797	0.796018	0.885975	DOWN	623.8006	623.8003	623.801	11.49197	11.47593
13659	M1043T10	1.085125	-0.11786	-0.26737	0.796033	0.885977	DOWN	1042.906	1042.905	1042.907	9.967367	9.8753
13660	M455T10_	1.209397	-0.27429	-0.26839	0.796062	0.88598	DOWN	454.8696	454.8597	454.8698	9.731817	9.429367
13661	M517T10_	1.037181	-0.05267	-0.26733	0.796142	0.885991	DOWN	517.3206	517.3203	517.321	9.514733	9.38595
13662	M870T10_	1.164207	0.219348	0.268902	0.796208	0.885999	UP	870.0242	870.0237	870.0244	9.992108	9.9754
13663	M457T9_7	1.069274	-0.09663	-0.26727	0.796258	0.886005	DOWN	457.1817	457.1815	457.1819	9.232283	9.129317
13664	M577T9_1	1.116675	0.15921	0.267068	0.796333	0.886015	UP	576.8709	576.8701	576.8716	8.796533	8.745033
13665	M256T25	1.038506	-0.05451	-0.26761	0.79637	0.88602	DOWN	256.2632	256.263	256.2633	24.69575	24.68133
13666	M518T10_	1.098766	-0.13588	-0.26785	0.796374	0.88602	DOWN	518.3231	518.3166	518.3236	9.528008	9.40135
13667	M315T10_	1.045084	-0.06362	-0.26738	0.796549	0.886042	DOWN	314.6888	314.6883	314.6894	9.977442	9.859233
13668	M722T10_	1.059271	-0.08307	-0.2691	0.796576	0.886046	DOWN	722.003	722.0018	722.0033	9.9677	9.859233
13669	M335T10_	1.086329	-0.11946	-0.26813	0.796597	0.886048	DOWN	335.4267	335.4263	335.4271	9.962617	9.843367
13670	M207T11_	1.086082	-0.11913	-0.26667	0.796642	0.886054	DOWN	207.3179	207.3178	207.3189	10.92731	10.89125
13671	M429T11_	1.046358	-0.06538	-0.26778	0.796699	0.886061	DOWN	429.0935	429.0932	429.0942	10.91977	10.8646
13672	M620T23_	1.090011	0.124343	0.267044	0.796831	0.886078	UP	619.7731	619.7717	619.7733	22.68383	22.62767
13673	M295T30_	1.059191	0.082963	0.267519	0.79686	0.886082	UP	295.3809	295.3808	295.3811	29.83383	29.8195
13674	M368T10_	1.120061	-0.16358	-0.27242	0.796873	0.886083	DOWN	367.7639	367.7629	367.7697	9.790783	9.728817
13675	M539T11_	1.044651	-0.06302	-0.26671	0.796892	0.886086	DOWN	539.3569	539.3557	539.3575	11.44833	11.43973
13676	M458T9_5	1.146345	-0.19704	-0.26764	0.796925	0.88609	DOWN	458.0433	458.043	458.0436	9.061167	9.03845
13677	M400T10_	1.07313	0.101825	0.267275	0.796927	0.88609	UP	400.4317	400.4312	400.432	9.975217	9.859233
13678	M718T36	1.06084	-0.08521	-0.2659	0.797042	0.886105	DOWN	717.5191	717.5188	717.5196	36.1095	36.08583
13679	M429T10_	1.059088	-0.08282	-0.26591	0.797071	0.886108	DOWN	429.0782	429.0776	429.0792	9.948875	9.843367
13680	M410T9_7	1.181021	0.240035	0.268741	0.797155	0.886119	UP	410.307	410.3038	410.3098	9.294633	9.130683
13681	M291T10_	1.054654	0.07677	0.267319	0.797189	0.886123	UP	290.7824	290.7821	290.7827	9.954217	9.843367
13682	M548T10_	1.042787	0.060445	0.268907	0.797216	0.886127	UP	548.3222	548.3218	548.3223	9.944392	9.827283
13683	M456T9_4	1.064758	-0.09053	-0.26601	0.797239	0.88613	DOWN	456.0667	456.066	456.0671	9.277017	9.1445
13684	M651T10_	1.05412	-0.07604	-0.26574	0.797303	0.886138	DOWN	651.4697	651.469	651.4705	10.40055	10.34372

13685	M244T22_	1.05189	0.072983	0.272396	0.797375	0.886147	UP	244.2632	244.2631	244.2635	21.68567	21.68017
13686	M624T19	1.090516	-0.12501	-0.26789	0.797408	0.886151	DOWN	623.978	623.9776	623.9786	18.63342	18.61683
13687	M440T36	1.113729	-0.1554	-0.26543	0.797458	0.886157	DOWN	440.4095	440.4092	440.4097	35.94392	35.92017
13688	M1805T10	1.133175	-0.18037	-0.26527	0.797522	0.886165	DOWN	1805.276	1805.274	1805.277	9.91045	9.827283
13689	M411T10_	1.153936	0.206563	0.266966	0.797715	0.88619	UP	411.4097	411.4096	411.4099	9.964092	9.843367
13690	M1027T16	1.053408	-0.07506	-0.26487	0.797819	0.886203	DOWN	1026.523	1026.522	1026.524	15.84743	15.8193
13691	M804T10_	1.075592	-0.10513	-0.26918	0.797845	0.886206	DOWN	804.2713	804.271	804.2719	9.983467	9.90755
13692	M357T10_	1.075102	0.104474	0.269929	0.797855	0.886207	UP	356.7032	356.7027	356.7054	9.83135	9.715683
13693	M320T19	1.179111	0.2377	0.264879	0.797859	0.886208	UP	320.2219	320.2209	320.2223	19.03883	18.98033
13694	M161T10_	1.07473	-0.10397	-0.26933	0.797886	0.886211	DOWN	160.752	160.7518	160.752	9.970617	9.859233
13695	M851T11_	1.05178	-0.07283	-0.27008	0.797971	0.886222	DOWN	851.2571	851.2567	851.2574	10.92528	10.89355
13696	M1829T10	1.089815	-0.12408	-0.26464	0.797997	0.886226	DOWN	1828.719	1828.717	1828.721	9.972217	9.8753
13697	M670T9_2	1.073614	-0.10248	-0.26489	0.798017	0.886228	DOWN	670.3965	670.3963	670.397	9.38665	9.275917
13698	M195T9_8	1.103609	0.14223	0.264669	0.798059	0.886233	UP	194.8588	194.8582	194.859	9.215117	9.1175
13699	M361T11_	1.060075	0.084166	0.265142	0.798169	0.886247	UP	361.4466	361.4463	361.4468	10.90659	10.8646
13700	M1282T10	1.0581	-0.08148	-0.2646	0.798208	0.886252	DOWN	1282.336	1282.335	1282.341	9.900142	9.779267
13701	M183T11	1.026333	-0.0375	-0.26423	0.798285	0.886262	DOWN	183.1571	183.1569	183.1571	10.90548	10.88995
13702	M401T11_	1.110157	0.150764	0.264742	0.798337	0.886268	UP	400.6859	400.6794	400.6902	10.95078	10.9049
13703	M477T11_	1.055457	0.077868	0.265727	0.798471	0.886285	UP	476.6185	476.6182	476.6187	10.89193	10.877
13704	M315T10_	1.146385	-0.19709	-0.26405	0.798575	0.886298	DOWN	315.0049	315.0046	315.0083	9.997142	9.94405
13705	M1990T10	1.105689	0.144945	0.265255	0.798583	0.886299	UP	1989.747	1989.743	1989.751	9.956417	9.8753
13706	M481T9_2	1.094937	0.130848	0.264189	0.798589	0.8863	UP	480.5949	480.5921	480.5957	9.317	9.11795
13707	M428T10_	1.060687	-0.085	-0.26697	0.798596	0.886301	DOWN	428.2123	428.2121	428.2125	9.764667	9.636483
13708	M1072T10	1.050989	0.071747	0.264519	0.798787	0.886325	UP	1072.474	1072.473	1072.475	9.972917	9.859233
13709	M535T10_	1.135274	-0.18304	-0.2691	0.798809	0.886328	DOWN	535.3469	535.3458	535.3474	9.951283	9.853533
13710	M249T11_	1.041372	-0.05848	-0.26455	0.798856	0.886334	DOWN	248.5759	248.5758	248.5762	10.892	10.879
13711	M1566T10	1.054344	0.076345	0.263911	0.798858	0.886334	UP	1565.561	1565.554	1565.565	9.904167	9.827283
13712	M520T9_3	1.085763	0.118709	0.268948	0.798887	0.886338	UP	519.7776	519.7774	519.7779	9.175017	9.12675
13713	M262T10_	1.042484	0.060025	0.263773	0.798949	0.886346	UP	262.2941	262.294	262.2943	9.914217	9.747533
13714	M312T10_	1.046553	0.065645	0.264029	0.799038	0.886357	UP	311.7635	311.7511	311.7637	9.818442	9.715683
13715	M580T45	1.053547	0.075255	0.26377	0.799082	0.886362	UP	580.3327	580.3325	580.3328	44.74817	44.60983
13716	M166T10_	1.042649	0.060254	0.263163	0.799093	0.886364	UP	165.6158	165.6157	165.6159	9.960817	9.859233
13717	M483T10_	1.059171	-0.08293	-0.26591	0.799191	0.886376	DOWN	483.303	483.3018	483.3112	10.31875	9.952017
13718	M478T23	1.062166	-0.08701	-0.26304	0.799215	0.886379	DOWN	478.352	478.3518	478.3522	22.78467	22.77
13719	M423T9_1	1.0687	-0.09586	-0.26296	0.799287	0.886388	DOWN	422.5926	422.5922	422.5932	9.162767	9.0169



13720	M313T25_	1.050992	0.071752	0.26284	0.799331	0.886394	UP	313.2271	313.227	313.2272	25.18167	25.1605
13721	M654T11_	1.054071	0.075972	0.26284	0.799395	0.886402	UP	654.2439	654.2436	654.2445	11.49633	11.47298
13722	M261T10_	1.073845	-0.10279	-0.26277	0.799461	0.88641	DOWN	260.6171	260.6168	260.6172	9.957333	9.843367
13723	M633T11_	1.042863	-0.06055	-0.26318	0.799478	0.886412	DOWN	633.4218	633.4216	633.4231	10.892	10.8646
13724	M636T40_	1.0464	0.065434	0.270901	0.799511	0.886417	UP	636.3592	636.3589	636.3595	39.79108	39.77667
13725	M539T13_	1.055086	0.07736	0.263241	0.799513	0.886417	UP	539.3879	539.3877	539.3889	13.08453	13.06878
13726	M502T9_3	1.097189	-0.13381	-0.26267	0.799532	0.886419	DOWN	501.9373	501.9345	501.9389	9.269633	9.160617
13727	M479T30	1.187562	-0.248	-0.26261	0.799614	0.886429	DOWN	478.6759	478.6756	478.6762	29.5755	29.48917
13728	M344T10_	1.028995	-0.04124	-0.26348	0.79968	0.886438	DOWN	344.3093	344.3091	344.3099	9.872475	9.747533
13729	M178T9_8	1.11641	0.158867	0.26806	0.799694	0.886439	UP	178.0911	178.0908	178.0914	9.160617	9.142767
13730	M367T10_	1.093613	0.129102	0.263479	0.799703	0.886441	UP	367.0579	367.0571	367.0648	9.968992	9.843367
13731	M705T10_	1.064698	0.090444	0.266639	0.79973	0.886444	UP	704.7645	704.7639	704.7651	9.857275	9.73145
13732	M416T10_	1.085867	0.118847	0.26789	0.799942	0.886471	UP	416.0299	416.0287	416.0299	9.920517	9.811217
13733	M349T10_	1.065111	-0.091	-0.26261	0.799982	0.886476	DOWN	349.4499	349.4497	349.4501	9.830508	9.715683
13734	M269T11_	1.0482	0.067914	0.262099	0.800047	0.886484	UP	269.1833	269.1831	269.1835	10.91372	10.89125
13735	M703T10_	1.015483	0.022167	0.265226	0.800057	0.886485	UP	702.5431	702.5427	702.5434	9.8397	9.715683
13736	M755T10_	1.080743	-0.11202	-0.2634	0.800092	0.88649	DOWN	754.5521	754.5488	754.5532	9.814142	9.715683
13737	M419T9_2	1.056307	0.079029	0.261789	0.800177	0.8865	UP	418.6308	418.6304	418.6309	9.365833	9.22495
13738	M289T11_	1.042135	-0.05954	-0.26205	0.800268	0.886512	DOWN	288.7093	288.7091	288.7094	10.892	10.8646
13739	M1483T10	1.105462	0.144649	0.26187	0.800282	0.886513	UP	1482.932	1482.93	1482.933	9.967367	9.859233
13740	M1393T10	1.078145	-0.10855	-0.26468	0.800313	0.886517	DOWN	1392.802	1392.801	1392.804	10.26148	10.19852
13741	M1747T10	1.081834	-0.11348	-0.26148	0.800329	0.886519	DOWN	1747.14	1747.138	1747.14	9.909442	9.811217
13742	M654T11_	1.052717	-0.07412	-0.26145	0.800401	0.886528	DOWN	653.9198	653.9195	653.9206	10.91378	10.89355
13743	M260T10_	1.081567	-0.11312	-0.26535	0.800508	0.886542	DOWN	259.5874	259.5873	259.5876	9.9351	9.853533
13744	M297T10_	1.061963	-0.08673	-0.26123	0.800671	0.886562	DOWN	297.1265	297.1263	297.1267	9.958617	9.843367
13745	M166T9_4	1.151959	-0.20409	-0.26156	0.800674	0.886563	DOWN	166.0521	166.0519	166.0523	9.320783	9.26575
13746	M637T10_	1.078466	-0.10898	-0.26145	0.800768	0.886575	DOWN	636.9347	636.9342	636.9359	9.958617	9.859233
13747	M975T10	1.080095	0.111158	0.26204	0.800797	0.886578	UP	974.7758	974.7737	974.7762	9.979342	9.8753
13748	M243T10_	1.108054	-0.14803	-0.26074	0.800885	0.886589	DOWN	242.9476	242.9474	242.9477	9.960817	9.843367
13749	M511T9_3	1.057705	0.080937	0.261345	0.80107	0.886612	UP	511.2503	511.25	511.2546	9.321883	9.087183
13750	M394T11_	1.046345	-0.06536	-0.26036	0.801194	0.886628	DOWN	394.2779	394.2774	394.279	10.89907	10.873
13751	M680T41_	1.055821	0.078366	0.268777	0.801244	0.886634	UP	680.3855	680.3852	680.3859	40.712	40.48183
13752	M373T10_	1.061964	-0.08674	-0.26159	0.801249	0.886635	DOWN	373.4249	373.4244	373.4252	9.942317	9.827283
13753	M516T11_	1.038264	0.054174	0.260221	0.801305	0.886642	UP	516.1776	516.1773	516.1779	10.89875	10.879
13754	M820T10_	1.059919	-0.08395	-0.26233	0.80136	0.886649	DOWN	820.4732	820.4716	820.4746	9.903567	9.806367

13755	M427T11_	1.093759	0.129294	0.263685	0.801464	0.886662	UP	426.7959	426.7956	426.7961	10.98193	10.95095
13756	M476T10_	1.105367	-0.14453	-0.26008	0.80148	0.886664	DOWN	475.6523	475.6517	475.653	9.759167	9.729367
13757	M243T11_	1.066822	-0.09332	-0.25985	0.801585	0.886677	DOWN	243.1884	243.188	243.1887	11.49637	11.46753
13758	M393T9_9	1.064428	0.090079	0.260901	0.801641	0.886684	UP	393.4413	393.4399	393.445	9.23515	9.07945
13759	M385T11_	1.048427	-0.06823	-0.26447	0.801663	0.886687	DOWN	385.1987	385.1979	385.1988	11.232	11.2071
13760	M183T9_1	1.095296	0.131321	0.260195	0.801681	0.886689	UP	183.3401	183.3397	183.3405	9.1911	9.111033
13761	M170T13	1.078497	0.109022	0.264442	0.801701	0.886692	UP	170.1537	170.1536	170.1539	12.60213	12.5577
13762	M372T14	1.034988	-0.04961	-0.26153	0.801716	0.886693	DOWN	372.2378	372.2375	372.2381	13.76625	13.75567
13763	M706T10_	1.030352	0.043137	0.258798	0.802337	0.886771	UP	706.4703	706.4701	706.471	9.848417	9.728083
13764	M511T30	1.055677	-0.07817	-0.26114	0.80243	0.886783	DOWN	511.3835	511.3831	511.3836	30.28092	30.266
13765	M164T10_	1.039833	-0.05635	-0.25998	0.802535	0.886796	DOWN	164.2406	164.2404	164.2407	9.831517	9.699733
13766	M244T23	1.034613	-0.04909	-0.26219	0.802722	0.886819	DOWN	244.2632	244.2631	244.2633	23.09575	23.07417
13767	M267T10_	1.068017	0.094934	0.258944	0.802821	0.886832	UP	266.8079	266.8077	266.808	9.958617	9.859233
13768	M549T11_	1.036699	-0.052	-0.25818	0.802864	0.886837	DOWN	549.1952	549.193	549.1954	10.91813	10.89355
13769	M264T9_1	1.101033	0.138858	0.259651	0.802877	0.886839	UP	263.5085	263.5084	263.5089	9.374383	9.288883
13770	M749T10_	1.071351	-0.09943	-0.25935	0.802891	0.886841	DOWN	748.6212	748.6208	748.6226	9.8207	9.715683
13771	M273T10_	1.206392	0.270699	0.258008	0.802938	0.886846	UP	272.9282	272.928	272.9285	9.967367	9.859233
13772	M840T15	1.0637	0.089091	0.257846	0.803037	0.886859	UP	840.3918	840.3907	840.3931	15.48275	15.45273
13773	M358T10_	1.08667	0.119914	0.258192	0.80311	0.886868	UP	357.7986	357.7981	357.802	9.967367	9.816183
13774	M797T10_	1.11024	-0.15087	-0.26115	0.803116	0.886869	DOWN	797.4491	797.4485	797.4496	9.967367	9.859233
13775	M549T10_	1.050564	0.071164	0.262644	0.803134	0.886871	UP	549.0152	549.0148	549.0155	9.946467	9.843367
13776	M539T25	1.069727	-0.09724	-0.26244	0.803327	0.886895	DOWN	539.2093	539.2088	539.2098	24.60792	24.5795
13777	M460T44_	1.108719	0.148894	0.257362	0.803403	0.886904	UP	460.2901	460.29	460.2902	44.06333	43.84767
13778	M827T10_	1.087094	-0.12048	-0.25818	0.803406	0.886905	DOWN	827.4102	827.4095	827.4115	9.956417	9.843367
13779	M319T10_	1.08703	0.120392	0.261536	0.803419	0.886906	UP	318.6746	318.6741	318.6756	9.830658	9.715683
13780	M481T9_1	1.058188	0.081596	0.258434	0.803461	0.886912	UP	480.522	480.5202	480.5228	9.328225	9.147367
13781	M379T11_	1.058673	0.082257	0.259939	0.803517	0.886919	UP	379.2957	379.2954	379.2957	10.50278	10.44008
13782	M653T11_	1.088283	-0.12205	-0.25719	0.803531	0.886921	DOWN	652.7663	652.7655	652.7674	10.88747	10.86275
13783	M415T39_	1.054774	0.076934	0.26479	0.803646	0.886935	UP	415.2322	415.2321	415.2323	38.64	38.43867
13784	M472T9_7	1.073438	-0.10224	-0.25776	0.803678	0.886939	DOWN	472.1858	472.1846	472.1862	9.220933	9.12675
13785	M355T13	1.114844	0.156842	0.257789	0.803688	0.88694	UP	355.2378	355.2376	355.2379	13.22953	13.21463
13786	M467T9_3	1.0766	0.106482	0.258107	0.80391	0.886968	UP	467.3216	467.3214	467.3225	9.160675	9.1322
13787	M345T39	1.074924	0.104234	0.264606	0.803948	0.886972	UP	345.1907	345.1905	345.1908	39.09317	39
13788	M490T44_	1.095496	-0.13158	-0.25791	0.804275	0.887013	DOWN	490.2644	490.264	490.2646	44.40117	44.17233
13789	M263T11_	1.062987	0.088123	0.256604	0.804308	0.887017	UP	263.221	263.2205	263.2212	10.95444	10.90785

13790	M435T9_2	1.114783	0.156762	0.256848	0.804316	0.887018	UP	434.5948	434.5945	434.5991	9.49445	9.355317
13791	M608T44	1.027125	0.038611	0.256154	0.80433	0.88702	UP	608.3641	608.3638	608.3642	43.67483	43.54583
13792	M259T21	1.045854	0.064682	0.256872	0.804395	0.887028	UP	259.1689	259.1688	259.1689	20.7645	20.73817
13793	M634T10_	1.069268	-0.09662	-0.25595	0.804486	0.887039	DOWN	633.9246	633.9241	633.9259	9.945258	9.827283
13794	M416T11_	1.090398	-0.12486	-0.25724	0.80463	0.887057	DOWN	415.5183	415.5149	415.52	10.93655	10.82935
13795	M272T11_	1.027592	-0.03927	-0.25728	0.804795	0.887078	DOWN	272.2582	272.2577	272.2583	10.63273	10.59933
13796	M530T9_1	1.1033	-0.14182	-0.25551	0.804947	0.887097	DOWN	530.1198	530.1145	530.1209	9.262875	9.079083
13797	M221T10_	1.046694	-0.06584	-0.25611	0.804964	0.887099	DOWN	220.8581	220.858	220.8666	9.900133	9.79535
13798	M545T31	1.096441	0.132829	0.257562	0.805207	0.887129	UP	545.3424	545.3423	545.3431	30.52367	30.4965
13799	M177T9_1	1.103538	-0.14214	-0.25497	0.80522	0.887131	DOWN	176.6369	176.6367	176.6377	9.300125	9.132267
13800	M329T22	1.0587	0.082294	0.259572	0.805247	0.887134	UP	329.3161	329.3159	329.3165	21.99583	21.97233
13801	M177T10_	1.111592	0.152627	0.255216	0.805256	0.887135	UP	176.6345	176.6344	176.6346	9.894392	9.811217
13802	M311T10_	1.040209	0.056873	0.259329	0.805379	0.887151	UP	310.8951	310.8949	310.8952	9.933967	9.827283
13803	M239T11_	1.149891	0.201497	0.254603	0.805545	0.887171	UP	238.5555	238.5552	238.5562	10.92253	10.873
13804	M315T9_7	1.139797	-0.18878	-0.25614	0.805555	0.887173	DOWN	315.3784	315.3782	315.3787	9.25985	9.18975
13805	M1273T45	1.017927	0.025634	0.255622	0.805726	0.887194	UP	1272.899	1272.898	1272.899	44.83967	44.82533
13806	M473T10_	1.063514	-0.08884	-0.25419	0.805806	0.887204	DOWN	473.062	473.0614	473.0623	9.948875	9.843367
13807	M609T11_	1.050931	-0.07167	-0.25423	0.805844	0.887208	DOWN	609.1828	609.1822	609.1835	10.88864	10.84487
13808	M317T9_4	1.065646	-0.09173	-0.25409	0.805873	0.887212	DOWN	317.1447	317.1445	317.1448	8.653233	8.55865
13809	M253T9_1	1.114601	-0.15653	-0.25406	0.805875	0.887212	DOWN	252.677	252.6769	252.6771	8.788667	8.682683
13810	M1062T10	1.065267	-0.09122	-0.25402	0.805889	0.887214	DOWN	1061.946	1061.945	1061.948	9.967517	9.859233
13811	M1057T10	1.063431	-0.08873	-0.2585	0.805929	0.887219	DOWN	1057.414	1057.412	1057.415	9.967367	9.859233
13812	M616T30	1.04756	-0.06703	-0.25595	0.805943	0.887221	DOWN	616.4628	616.4623	616.463	30.27933	30.266
13813	M720T10_	1.02737	0.038956	0.254135	0.805976	0.887225	UP	720.1676	720.1663	720.1682	9.825767	9.715683
13814	M784T11_	1.038107	-0.05395	-0.25627	0.806047	0.887234	DOWN	784.3428	784.3403	784.3434	10.88445	10.85838
13815	M633T10_	1.059997	-0.08406	-0.25666	0.806129	0.887244	DOWN	633.2679	633.2679	633.268	9.816183	9.743667
13816	M358T39	1.053763	-0.07555	-0.25526	0.80616	0.887248	DOWN	358.2222	358.2221	358.2225	38.9135	38.76967
13817	M466T10_	1.014423	0.02066	0.258154	0.806185	0.887251	UP	466.3127	466.3125	466.3128	9.807458	9.683817
13818	M539T10_	1.039799	-0.0563	-0.2536	0.806228	0.887256	DOWN	538.7116	538.7112	538.7121	9.938142	9.843367
13819	M836T33	1.078111	0.108505	0.255771	0.806233	0.887257	UP	835.5823	835.5808	835.5833	33.30417	33.28217
13820	M382T11_	1.04457	-0.06291	-0.25375	0.806254	0.887259	DOWN	381.8789	381.8787	381.8798	10.892	10.879
13821	M215T11_	1.079511	-0.11038	-0.25588	0.80628	0.887263	DOWN	214.6031	214.6029	214.6041	10.93093	10.879
13822	M673T11	1.032317	-0.04589	-0.25422	0.806395	0.887277	DOWN	673.394	673.3936	673.3944	10.89904	10.879
13823	M300T10_	1.042298	0.059768	0.254208	0.8064	0.887277	UP	299.9745	299.9742	299.9746	9.965892	9.843367
13824	M307T10_	1.043052	-0.06081	-0.25493	0.806402	0.887278	DOWN	307.2122	307.2121	307.2123	10.39613	10.34372

13825	M201T9_1	1.063537	-0.08887	-0.25325	0.806513	0.887291	DOWN	201.1683	201.1671	201.169	9.310917	9.132267
13826	M638T11_	1.057196	-0.08024	-0.25327	0.806669	0.887311	DOWN	637.7154	637.715	637.717	10.86977	10.84395
13827	M781T10_	1.051024	-0.0718	-0.25296	0.806719	0.887317	DOWN	781.4209	781.4197	781.4213	10.45607	10.39197
13828	M422T11_	1.044438	-0.06273	-0.25304	0.806783	0.887325	DOWN	422.1618	422.1617	422.1621	10.892	10.879
13829	M751T10_	1.048996	0.06901	0.255933	0.806793	0.887326	UP	750.5564	750.5555	750.5579	9.969158	9.8753
13830	M457T9_1	1.164006	0.219098	0.252502	0.807155	0.887371	UP	457.3721	457.3696	457.3741	9.418275	9.129317
13831	M677T9	1.053339	-0.07497	-0.25443	0.807194	0.887376	DOWN	677.0452	677.0447	677.047	9.485058	9.416817
13832	M384T10_	1.071463	-0.09958	-0.25743	0.807228	0.88738	DOWN	383.8118	383.8116	383.8125	10.42468	10.37598
13833	M168T10_	1.077752	0.108026	0.252438	0.807292	0.887388	UP	167.9675	167.9674	167.9676	9.825492	9.715683
13834	M575T10_	1.062071	0.08688	0.254339	0.80733	0.887393	UP	575.307	575.3069	575.3073	9.970617	9.859233
13835	M476T10_	1.013479	-0.01932	-0.25261	0.807396	0.887401	DOWN	475.7414	475.7411	475.7415	9.839008	9.73145
13836	M313T10_	1.073802	-0.10273	-0.25284	0.807505	0.887414	DOWN	313.2657	313.2656	313.2659	9.94405	9.827283
13837	M1235T45	1.01626	0.02327	0.252037	0.807689	0.887437	UP	1234.832	1234.83	1234.832	44.98333	44.96917
13838	M574T11_	1.090448	-0.12492	-0.25166	0.807695	0.887438	DOWN	574.1628	574.1622	574.1636	10.90012	10.83252
13839	M532T10_	1.040352	-0.05707	-0.25144	0.807825	0.887454	DOWN	531.9016	531.901	531.9024	9.939575	9.827283
13840	M705T10_	1.01761	-0.02518	-0.25659	0.807963	0.887471	DOWN	704.6044	704.6036	704.6049	9.85045	9.73145
13841	M282T10_	1.057969	-0.0813	-0.2541	0.808013	0.887477	DOWN	282.0253	282.0252	282.0254	9.95165	9.843367
13842	M387T10_	1.072752	0.101317	0.251077	0.808086	0.887486	UP	386.9579	386.9574	386.96	9.872917	9.845483
13843	M317T10_	1.020136	-0.02876	-0.25698	0.808171	0.887497	DOWN	317.2605	317.2602	317.2606	9.8207	9.715683
13844	M201T10_	1.067409	0.094114	0.255436	0.808244	0.887506	UP	201.2749	201.2748	201.275	9.8207	9.715683
13845	M324T14	1.03984	-0.05636	-0.25133	0.808251	0.887507	DOWN	324.2895	324.2893	324.2897	13.50754	13.49257
13846	M209T10_	1.062855	0.087945	0.253322	0.808368	0.887521	UP	208.8562	208.8561	208.8562	9.8735	9.73145
13847	M178T9_9	1.144634	-0.19489	-0.25679	0.808423	0.887528	DOWN	178.1079	178.1076	178.1085	9.302942	9.24215
13848	M1421T10	1.055337	0.077704	0.251175	0.808705	0.887563	UP	1420.798	1420.796	1420.799	10.07237	9.971833
13849	M360T10_	1.050527	0.071114	0.253013	0.808747	0.887568	UP	359.987	359.9867	359.9871	9.989733	9.8753
13850	M473T10_	1.04613	-0.06506	-0.2576	0.808756	0.887569	DOWN	473.339	473.3387	473.3396	9.6293	9.510117
13851	M334T11_	1.029264	-0.04161	-0.25155	0.80878	0.887572	DOWN	333.8981	333.8978	333.8991	10.90551	10.879
13852	M478T40_	1.076673	0.10658	0.253238	0.808823	0.887577	UP	478.3007	478.3004	478.3009	40.38108	40.122
13853	M327T10_	1.027825	0.039594	0.250225	0.808833	0.887578	UP	326.5428	326.5398	326.5439	9.830283	9.728083
13854	M253T11_	1.043245	-0.06108	-0.25086	0.808848	0.88758	DOWN	253.456	253.4559	253.4562	10.892	10.879
13855	M439T11_	1.036445	-0.05164	-0.2505	0.808854	0.887581	DOWN	438.6337	438.6335	438.6342	10.90553	10.88747
13856	M477T10_	1.068529	-0.09563	-0.25032	0.80897	0.887595	DOWN	477.189	477.1887	477.1893	9.960967	9.8753
13857	M337T9_1	1.080349	-0.1115	-0.24978	0.809049	0.887605	DOWN	337.0541	337.0527	337.0547	9.008317	8.922033
13858	M363T10_	1.022995	-0.0328	-0.2525	0.809094	0.887611	DOWN	362.7086	362.7072	362.709	9.825492	9.699733
13859	M377T10_	1.025708	-0.03662	-0.24942	0.809397	0.887648	DOWN	377.386	377.3857	377.3865	9.917167	9.811217

13860	M289T24_	1.11439	-0.15625	-0.25244	0.809487	0.887659	DOWN	289.1754	289.1749	289.1756	24.20383	24.09867
13861	M201T9_1	1.074894	-0.10419	-0.24914	0.809585	0.887671	DOWN	200.9363	200.9357	200.9372	9.162658	9.142767
13862	M303T23	1.046864	-0.06607	-0.24907	0.80959	0.887672	DOWN	303.272	303.2717	303.2721	23.23317	23.205
13863	M195T11_	1.028119	-0.04001	-0.25045	0.809636	0.887677	DOWN	195.351	195.3509	195.3515	10.91982	10.879
13864	M568T9_5	1.070038	0.097662	0.250561	0.809867	0.887706	UP	568.3674	568.367	568.3682	8.84285	8.802417
13865	M285T9_1	1.133984	-0.1814	-0.24886	0.809899	0.88771	DOWN	284.5197	284.5171	284.5207	8.863633	8.749717
13866	M390T10_	1.047533	0.066995	0.250882	0.809915	0.887712	UP	390.0333	390.0327	390.0335	9.980992	9.856867
13867	M200T9_1	1.284854	0.361605	0.24869	0.809974	0.887719	UP	199.8392	199.8386	199.8418	9.197983	9.142767
13868	M553T9_4	1.148189	0.199361	0.256468	0.809977	0.887719	UP	552.9527	552.9504	552.9553	9.174967	9.12675
13869	M597T10_	1.079695	0.110623	0.248581	0.809989	0.887721	UP	596.5709	596.5703	596.5716	9.944392	9.843367
13870	M567T10_	1.086363	0.119506	0.249086	0.810016	0.887724	UP	567.0761	567.0753	567.0763	9.9847	9.8753
13871	M359T10_	1.012675	-0.01817	-0.24969	0.810115	0.887736	DOWN	358.7683	358.7679	358.7684	9.534867	9.416817
13872	M216T10_	1.078796	0.109422	0.252482	0.810175	0.887744	UP	215.6249	215.6247	215.625	9.92825	9.827283
13873	M469T10_	1.047662	0.067174	0.249011	0.810214	0.887748	UP	468.7398	468.7396	468.74	9.972917	9.859233
13874	M615T10_	1.042954	-0.06068	-0.25056	0.810238	0.887751	DOWN	615.4236	615.4233	615.4239	10.39613	10.34372
13875	M381T9_1	1.087191	0.120605	0.252438	0.810239	0.887752	UP	380.5	380.4997	380.5041	9.197983	9.174883
13876	M616T10_	1.099439	0.136767	0.252338	0.810296	0.887759	UP	615.5573	615.5569	615.558	9.972833	9.8753
13877	M270T10_	1.065434	-0.09144	-0.24812	0.810317	0.887761	DOWN	269.8059	269.8057	269.806	9.75145	9.636483
13878	M468T44	1.155568	0.208602	0.249888	0.810319	0.887761	UP	468.2799	468.2796	468.2802	43.7705	43.6605
13879	M630T10_	1.060563	-0.08483	-0.2481	0.810341	0.887764	DOWN	630.2046	630.2042	630.2049	9.956417	9.843367
13880	M503T9_7	1.105322	-0.14447	-0.25149	0.810365	0.887767	DOWN	503.2663	503.2573	503.2675	9.18585	9.11795
13881	M691T11_	1.036595	0.051853	0.248828	0.810371	0.887768	UP	690.503	690.5022	690.5033	10.81	10.78395
13882	M183T10_	1.072405	0.10085	0.248024	0.810402	0.887772	UP	183.2478	183.2478	183.2479	9.967367	9.8914
13883	M680T10_	1.087542	0.121071	0.249005	0.810421	0.887774	UP	680.0984	680.0975	680.1112	9.830833	9.743667
13884	M484T9_3	1.077474	0.107653	0.253824	0.810504	0.887784	UP	484.2601	484.2599	484.2604	9.296458	9.234417
13885	M338T10_	1.058967	0.082657	0.247846	0.810512	0.887785	UP	338.1348	338.1343	338.1412	9.907917	9.728083
13886	M691T3	1.126529	-0.17188	-0.24836	0.810597	0.887796	DOWN	691.4748	691.4746	691.4761	3.271417	2.8403
13887	M463T27	1.197191	-0.25965	-0.24773	0.810611	0.887797	DOWN	463.2812	463.2807	463.2813	27.24817	27.22733
13888	M322T11_	1.053694	0.075455	0.247833	0.810615	0.887798	UP	322.4477	322.4473	322.448	10.90197	10.879
13889	M470T11_	1.061768	-0.08647	-0.24764	0.810662	0.887804	DOWN	470.4436	470.443	470.4437	10.91674	10.89125
13890	M592T43_	1.019683	0.02812	0.251257	0.810798	0.88782	UP	592.3325	592.3322	592.3328	42.84817	42.78333
13891	M837T30	1.059908	-0.08394	-0.24808	0.810829	0.887824	DOWN	836.5946	836.5941	836.595	30.19475	30.19367
13892	M178T10_	1.065563	0.091616	0.247961	0.810868	0.887829	UP	178.3385	178.3383	178.3387	9.977442	9.859233
13893	M1844T10	1.051939	-0.07305	-0.24761	0.810901	0.887833	DOWN	1843.576	1843.574	1843.579	9.969158	9.843367
13894	M401T10_	1.032466	-0.04609	-0.2473	0.810906	0.887834	DOWN	401.3041	401.3038	401.3043	9.531467	9.432183

13895	M1167T9	1.11036	-0.15103	-0.2472	0.81098	0.887843	DOWN	1166.753	1166.753	1166.754	8.936617	8.892117
13896	M600T36	1.125787	-0.17093	-0.24832	0.810998	0.887845	DOWN	600.4681	600.4677	600.4684	35.949	35.87683
13897	M347T9_2	1.056264	-0.07897	-0.24719	0.811023	0.887848	DOWN	346.6285	346.6276	346.6314	9.175017	9.1587
13898	M223T10_	1.023605	-0.03366	-0.2494	0.811147	0.887863	DOWN	223.2586	223.2531	223.2588	9.960967	9.7124
13899	M852T10_	1.083588	0.115817	0.246592	0.811441	0.887899	UP	852.4079	852.4074	852.4089	9.946367	9.859233
13900	M785T10_	1.056748	-0.07963	-0.24813	0.811459	0.887901	DOWN	785.4548	785.4539	785.4556	10.21823	10.16598
13901	M502T11	1.058854	0.082504	0.247841	0.811531	0.88791	UP	502.3609	502.3602	502.3613	10.89193	10.85018
13902	M390T10_	1.035401	0.05019	0.247502	0.811557	0.887913	UP	389.8537	389.8535	389.8539	9.957333	9.843367
13903	M473T10_	1.064719	-0.09047	-0.24707	0.811651	0.887925	DOWN	473.1692	473.1686	473.1694	9.958617	9.843367
13904	M410T10_	1.053001	-0.07451	-0.24849	0.811666	0.887927	DOWN	409.571	409.5703	409.5716	9.932033	9.8753
13905	M171T10_	1.049598	-0.06984	-0.24958	0.811695	0.88793	DOWN	170.7751	170.7751	170.7753	9.839008	9.715683
13906	M325T9_9	1.103227	-0.14173	-0.24788	0.811749	0.887937	DOWN	325.2047	325.2045	325.2049	9.487467	9.432533
13907	M432T11_	1.064212	-0.08979	-0.2477	0.811939	0.88796	DOWN	432.3422	432.342	432.3425	11.41418	11.38497
13908	M227T11_	1.069848	0.097406	0.246609	0.811985	0.887966	UP	226.9383	226.9379	226.9385	10.89691	10.84767
13909	M335T10_	1.038902	-0.05506	-0.24619	0.812066	0.887976	DOWN	334.8485	334.8483	334.8487	9.8207	9.715683
13910	M697T10_	1.05416	-0.07609	-0.25022	0.812073	0.887977	DOWN	696.9004	696.8991	696.9007	10.01897	9.923533
13911	M344T9_5	1.124627	-0.16945	-0.24576	0.812078	0.887977	DOWN	344.1949	344.1945	344.2018	8.958758	8.90715
13912	M1029T10	1.127889	-0.17362	-0.24595	0.812172	0.887989	DOWN	1029.068	1029.067	1029.071	9.82645	9.766367
13913	M280T10_	1.058964	0.082653	0.24766	0.812188	0.887991	UP	280.2587	280.2585	280.2589	9.984083	9.8753
13914	M227T9_2	1.161634	-0.21616	-0.24571	0.812219	0.887995	DOWN	227.2981	227.298	227.2988	9.160042	9.132267
13915	M731T11_	1.037504	-0.05312	-0.24579	0.812316	0.888006	DOWN	730.8207	730.8197	730.821	10.892	10.8646
13916	M208T9_5	1.050124	-0.07056	-0.24574	0.812378	0.888014	DOWN	207.8993	207.8982	207.8999	9.364408	9.11795
13917	M375T30_	1.109407	-0.14979	-0.24579	0.812424	0.88802	DOWN	374.9396	374.9392	374.9397	29.57975	29.55683
13918	M448T10_	1.039655	-0.05611	-0.24533	0.812444	0.888022	DOWN	447.8046	447.8038	447.8052	9.802008	9.75365
13919	M330T25_	1.035182	0.049884	0.245419	0.812507	0.88803	UP	330.2999	330.2997	330.3002	25.36183	25.34317
13920	M612T11_	1.045992	0.064872	0.245064	0.812578	0.888039	UP	612.1037	612.1024	612.1063	10.92208	10.88995
13921	M222T10_	1.073264	-0.102	-0.24508	0.812785	0.888064	DOWN	221.7123	221.7122	221.7124	9.89535	9.872067
13922	M157T7	1.090814	0.125406	0.245556	0.812808	0.888067	UP	157.0833	157.0832	157.0903	6.837425	6.6323
13923	M884T9	1.050648	-0.07128	-0.24606	0.812826	0.888069	DOWN	883.5738	883.5728	883.5743	8.970075	8.878667
13924	M246T9_4	1.093295	0.128683	0.24468	0.812891	0.888077	UP	246.4375	246.4366	246.4383	9.275917	9.132267
13925	M1208T26	1.085083	0.117806	0.248071	0.812918	0.88808	UP	1207.59	1207.588	1207.591	25.5365	25.5355
13926	M311T10_	1.095205	0.1312	0.245637	0.812929	0.888081	UP	310.7881	310.7879	310.7888	9.946367	9.9009
13927	M855T11	1.036055	-0.0511	-0.24462	0.812967	0.888086	DOWN	854.5994	854.5987	854.6005	10.89875	10.879
13928	M432T25_	1.035937	0.050936	0.249475	0.812973	0.888087	UP	432.2567	432.2564	432.2569	24.59367	24.551
13929	M427T10_	1.073692	-0.10258	-0.24495	0.813041	0.888095	DOWN	426.6998	426.6994	426.7001	9.970617	9.843367

13930	M1046T11	1.050123	0.070558	0.244598	0.813057	0.888097	UP	1046.122	1046.122	1046.124	10.90669	10.88747
13931	M778T10	1.048723	-0.06863	-0.24427	0.813169	0.888111	DOWN	778.3541	778.3534	778.3551	9.95385	9.843367
13932	M435T10	1.215573	-0.28164	-0.24499	0.813267	0.888123	DOWN	435.3329	435.3328	435.333	10.07398	9.964133
13933	M169T10	1.037632	-0.0533	-0.24782	0.81331	0.888128	DOWN	169.3625	169.3623	169.3628	9.834117	9.715683
13934	M1300T9	1.110592	0.151329	0.244021	0.813365	0.888135	UP	1300.405	1300.4	1300.413	9.299825	9.216183
13935	M223T10	1.132029	-0.17891	-0.24398	0.813457	0.888146	DOWN	223.3615	223.3613	223.3617	9.946467	9.843367
13936	M338T9_1	1.176404	0.234384	0.247981	0.813492	0.88815	UP	338.4866	338.4863	338.4869	9.46855	9.416817
13937	M1744T10	1.051318	0.072199	0.243866	0.813501	0.888151	UP	1744.137	1744.133	1744.143	9.830833	9.7124
13938	M839T10	1.054452	0.076494	0.243908	0.813561	0.888159	UP	839.4443	839.4432	839.4467	10.35832	10.24687
13939	M363T10	1.046335	-0.06534	-0.24528	0.813627	0.888167	DOWN	363.082	363.0802	363.0847	9.843367	9.699733
13940	M443T36	1.012598	0.018062	-0.24525	0.813759	0.888183	UP	442.5622	442.5621	442.5626	35.9275	35.92017
13941	M382T38	1.053995	-0.07587	-0.25133	0.813821	0.88819	DOWN	382.2432	382.2432	382.2435	37.6185	37.51783
13942	M490T42	1.043257	0.061095	0.246543	0.813823	0.888191	UP	490.2644	490.2642	490.2646	41.51033	41.43133
13943	M229T10	1.095843	-0.13204	-0.24723	0.813871	0.888196	DOWN	229.2925	229.2919	229.2933	9.829083	9.7124
13944	M508T43	1.068823	-0.09602	-0.24442	0.813989	0.888211	DOWN	508.2748	508.2746	508.2751	43.20067	42.94167
13945	M252T10	1.060013	-0.08408	-0.24316	0.814004	0.888213	DOWN	252.0628	252.0626	252.0629	9.989483	9.8753
13946	M359T10	1.07879	-0.10941	-0.24433	0.81417	0.888233	DOWN	359.2477	359.2471	359.2479	9.632083	9.510117
13947	M214T24	1.045915	0.064766	0.242878	0.814297	0.888248	UP	214.2525	214.2525	214.2527	24.1025	24.096
13948	M207T10	1.046283	-0.06527	-0.24314	0.814389	0.88826	DOWN	207.4998	207.4996	207.4999	9.972917	9.859233
13949	M319T10	1.025373	-0.03615	-0.24271	0.81444	0.888266	DOWN	318.5422	318.5366	318.5435	9.8322	9.431017
13950	M534T10	1.101583	-0.13958	-0.24256	0.81445	0.888267	DOWN	534.0984	534.0974	534.099	9.956417	9.843367
13951	M487T10	1.023039	0.032861	0.242587	0.814457	0.888268	UP	486.9179	486.9175	486.918	9.818525	9.699733
13952	M641T13	1.076453	-0.10629	-0.24393	0.81446	0.888268	DOWN	641.4486	641.4476	641.4492	12.52225	12.4856
13953	M399T9_6	1.098118	-0.13503	-0.2427	0.814469	0.888269	DOWN	399.0577	399.0566	399.0593	9.365833	9.061
13954	M518T42	1.09957	0.136939	0.243228	0.814498	0.888273	UP	518.2955	518.2953	518.2959	41.58967	41.43467
13955	M302T11	1.062471	-0.08742	-0.24385	0.814559	0.88828	DOWN	301.6415	301.6413	301.6416	10.8926	10.8646
13956	M523T10	1.085429	0.118266	0.248076	0.814596	0.888285	UP	523.476	523.4752	523.4773	9.952017	9.859233
13957	M699T36	1.050336	-0.07085	-0.24246	0.814635	0.88829	DOWN	699.4894	699.4889	699.4898	36.10783	36.07867
13958	M1039T11	1.047855	0.06744	0.242207	0.814834	0.888314	UP	1038.947	1038.947	1038.95	10.892	10.879
13959	M230T10	1.050324	-0.07083	-0.2467	0.814852	0.888316	DOWN	229.9506	229.9505	229.9596	9.910133	9.79535
13960	M454T15	1.07726	-0.10737	-0.2476	0.815025	0.888337	DOWN	454.3459	454.3325	454.3462	15.06207	14.85378
13961	M1500T10	1.081216	-0.11265	-0.24312	0.815032	0.888338	DOWN	1499.667	1499.665	1499.67	9.964092	9.859233
13962	M545T10	1.046612	-0.06573	-0.24508	0.815133	0.88835	DOWN	545.4394	545.4388	545.44	9.5812	9.4632
13963	M437T9_4	1.113069	0.154543	0.244513	0.81518	0.888356	UP	437.0926	437.0921	437.0929	9.158892	9.126783
13964	M452T11	1.043792	0.061834	0.244092	0.81521	0.88836	UP	452.2343	452.2341	452.2345	10.89875	10.8646

13965	M502T9_7	1.09474	-0.13059	-0.24153	0.815235	0.888363	DOWN	502.3506	502.35	502.3523	9.40325	9.129317
13966	M680T10_	1.043421	-0.06132	-0.2424	0.81525	0.888365	DOWN	679.9214	679.9205	679.9217	9.82645	9.699733
13967	M232T11_	1.033378	-0.04737	-0.24327	0.815382	0.888381	DOWN	231.7213	231.7211	231.7214	10.93153	10.8914
13968	M431T17	1.033639	-0.04773	-0.24264	0.815391	0.888382	DOWN	431.2767	431.2765	431.277	17.16983	17.14683
13969	M514T10_	1.111614	-0.15266	-0.24128	0.815411	0.888384	DOWN	514.3231	514.3221	514.3234	9.888317	9.681133
13970	M254T23_	1.039007	-0.05521	-0.24417	0.815606	0.888408	DOWN	254.1535	254.1534	254.1537	22.69717	22.6705
13971	M675T10_	1.045481	0.064167	0.24546	0.815622	0.88841	UP	675.4814	675.4809	675.4821	10.24379	10.16598
13972	M266T11_	1.11744	0.160197	0.240995	0.815644	0.888412	UP	265.5956	265.5955	265.5962	10.93752	10.90785
13973	M330T11_	1.055146	-0.07744	-0.24375	0.815665	0.888415	DOWN	329.9639	329.9632	329.966	10.91238	10.877
13974	M375T11_	1.125352	-0.17038	-0.24115	0.815678	0.888417	DOWN	375.2872	375.2867	375.2877	10.96365	10.93208
13975	M406T9_2	1.035883	-0.05086	-0.24111	0.815881	0.888441	DOWN	405.7749	405.7746	405.7752	8.817842	8.715883
13976	M268T25	1.054096	0.076006	0.244454	0.815968	0.888452	UP	268.263	268.2627	268.2632	25.18725	25.17083
13977	M884T11_	1.038881	-0.05503	-0.2408	0.816055	0.888462	DOWN	883.7212	883.7209	883.724	10.89875	10.873
13978	M235T9_1	1.100744	-0.13848	-0.24035	0.816137	0.888472	DOWN	235.2374	235.2357	235.2396	9.363217	9.132267
13979	M284T10_	1.075747	-0.10534	-0.24654	0.816303	0.888492	DOWN	284.1852	284.1851	284.1855	9.596017	9.47865
13980	M524T40_	1.031602	0.044886	0.246194	0.816367	0.8885	UP	524.3061	524.3059	524.3062	40.29567	40.0935
13981	M596T11_	1.044583	0.062927	0.240951	0.8164	0.888504	UP	596.0164	596.0158	596.0182	10.89193	10.86008
13982	M245T40	1.053986	0.075855	0.247155	0.816451	0.88851	UP	245.138	245.138	245.1381	40.40967	40.1365
13983	M196T10_	1.037605	-0.05326	-0.24005	0.816603	0.888529	DOWN	196.2546	196.2543	196.2547	9.972917	9.859233
13984	M206T9_2	1.065281	-0.09123	-0.24058	0.816607	0.888529	DOWN	206.2633	206.2629	206.2637	9.365833	9.264333
13985	M504T42_	1.061055	-0.0855	-0.24405	0.816711	0.888542	DOWN	504.2799	504.2797	504.28	41.87008	41.70433
13986	M382T9_7	1.085028	0.117732	0.240847	0.816727	0.888544	UP	381.9301	381.9282	381.9307	9.348233	9.250817
13987	M250T11_	1.059973	0.084027	0.239864	0.816748	0.888546	UP	249.5535	249.5533	249.5556	10.89907	10.873
13988	M428T10_	1.055171	-0.07748	-0.24043	0.816754	0.888547	DOWN	428.2685	428.2681	428.2693	9.977442	9.859233
13989	M638T10_	1.05525	-0.07758	-0.24264	0.816869	0.888561	DOWN	638.041	638.0406	638.0435	9.799667	9.747533
13990	M323T9_4	1.100834	-0.1386	-0.23935	0.816906	0.888566	DOWN	322.9441	322.9434	322.9446	9.204617	9.0839
13991	M199T9_1	1.084678	-0.11727	-0.24109	0.816931	0.888569	DOWN	198.6529	198.6527	198.6538	9.338375	9.275617
13992	M347T10_	1.06371	-0.0891	-0.23952	0.816953	0.888571	DOWN	346.8791	346.8781	346.8793	9.830558	9.699733
13993	M1413T10	1.076307	-0.10609	-0.23932	0.816964	0.888573	DOWN	1412.52	1412.514	1412.523	9.8734	9.79535
13994	M749T10_	1.141677	-0.19115	-0.23952	0.816996	0.888576	DOWN	748.8335	748.8321	748.8343	9.799767	9.73145
13995	M1725T10	1.023209	-0.0331	-0.23916	0.817072	0.888586	DOWN	1724.997	1724.995	1724.998	9.917167	9.811217
13996	M706T10_	1.10711	-0.1468	-0.23935	0.817094	0.888588	DOWN	706.3362	706.336	706.3368	9.830283	9.743667
13997	M309T9_1	1.074887	-0.10418	-0.23981	0.817196	0.888601	DOWN	308.8615	308.8596	308.8663	9.193675	9.095133
13998	M1752T10	1.07436	0.103478	0.23879	0.817282	0.888611	UP	1751.971	1751.965	1751.973	9.977042	9.8753
13999	M976T10_	1.060934	0.085335	0.239517	0.817351	0.88862	UP	976.4999	976.4978	976.5006	9.9945	9.8753



14000	M378T10_	1.249415	-0.32125	-0.23926	0.817534	0.888642	DOWN	378.2155	378.2153	378.216	9.932017	9.843367
14001	M1923T10	1.032791	-0.04655	-0.24388	0.817541	0.888642	DOWN	1922.515	1922.513	1922.516	9.996992	9.916767
14002	M841T10_	1.074009	-0.10301	-0.24013	0.817652	0.888656	DOWN	841.358	841.3565	841.3589	9.531467	9.416817
14003	M213T10_	1.059291	-0.0831	-0.23827	0.817788	0.888672	DOWN	213.1373	213.1373	213.1375	9.946892	9.853533
14004	M300T19	1.060479	-0.08472	-0.23921	0.817852	0.88868	DOWN	300.2066	300.2063	300.2071	18.83383	18.80583
14005	M337T9_5	1.041969	-0.05931	-0.23789	0.817948	0.888692	DOWN	336.7199	336.7192	336.7202	8.993033	8.89395
14006	M485T7	1.141384	0.190785	0.243545	0.818222	0.888725	UP	485.3575	485.3574	485.3578	6.69215	6.6335
14007	M506T9_1	1.077728	-0.10799	-0.24062	0.81825	0.888728	DOWN	505.5365	505.5362	505.5377	9.320875	9.234417
14008	M379T11_	1.06064	-0.08493	-0.23819	0.818315	0.888736	DOWN	378.8019	378.8013	378.8027	10.90375	10.8646
14009	M297T10_	1.049947	-0.07032	-0.23735	0.818354	0.888741	DOWN	297.4166	297.4163	297.4168	9.94785	9.843367
14010	M164T10_	1.086615	0.119841	0.240568	0.818401	0.888747	UP	164.3863	164.3861	164.3863	9.953592	9.859233
14011	M465T23_	1.072685	0.101226	0.237789	0.818406	0.888747	UP	465.3317	465.3315	465.3322	22.68425	22.66967
14012	M1729T10	1.028782	-0.04094	-0.23804	0.818486	0.888757	DOWN	1728.867	1728.866	1728.87	9.91875	9.827283
14013	M480T44	1.068952	-0.0962	-0.24469	0.818506	0.888759	DOWN	480.2799	480.2796	480.2801	43.86208	43.57467
14014	M163T14_	1.106378	0.145844	0.244026	0.81854	0.888763	UP	163.0751	163.075	163.0752	14.00483	13.96063
14015	M652T9_1	1.096595	0.133031	0.2404	0.818631	0.888774	UP	651.5084	651.5002	651.512	9.148342	9.119933
14016	M766T9_1	1.114197	-0.156	-0.23725	0.818643	0.888776	DOWN	766.4808	766.4791	766.4819	8.96925	8.94795
14017	M378T25_	1.092846	-0.12809	-0.23734	0.818645	0.888776	DOWN	377.8726	377.8724	377.8728	25.27667	25.17267
14018	M215T10_	1.092585	0.127745	0.239705	0.818701	0.888783	UP	215.2841	215.2839	215.2842	9.972917	9.859233
14019	M333T10_	1.216152	-0.28232	-0.23736	0.818784	0.888793	DOWN	333.2504	333.2492	333.2507	9.869467	9.743767
14020	M397T10_	1.03641	0.051595	0.240723	0.818809	0.888796	UP	396.8338	396.8332	396.8339	9.902617	9.79535
14021	M350T10_	1.112133	0.15333	0.236703	0.818879	0.888804	UP	349.5687	349.5654	349.569	9.8848	9.811217
14022	M705T10_	1.056851	-0.07977	-0.23664	0.8189	0.888807	DOWN	704.9486	704.9483	704.9489	9.94785	9.843367
14023	M655T10_	1.078824	0.10946	0.239739	0.818995	0.888818	UP	655.4241	655.4233	655.4249	9.951283	9.843367
14024	M798T21	1.036318	-0.05147	-0.24219	0.819122	0.888834	DOWN	797.5429	797.5419	797.5439	21.13658	21.13267
14025	M276T41_	1.096052	0.132316	0.242888	0.81915	0.888837	UP	276.1803	276.1802	276.1804	41.34483	41.15783
14026	M1454T10	1.070636	-0.09847	-0.23746	0.819214	0.888845	DOWN	1453.762	1453.761	1453.766	9.872917	9.774967
14027	M636T42	1.099008	-0.1362	-0.2411	0.819291	0.888854	DOWN	636.359	636.3586	636.3594	42.16467	41.80533
14028	M310T10_	1.091556	-0.12639	-0.23614	0.819307	0.888856	DOWN	310.1546	310.1544	310.1549	9.564175	9.494117
14029	M397T11_	1.052881	-0.07434	-0.23769	0.819321	0.888858	DOWN	397.0312	397.0309	397.0319	10.92253	10.89355
14030	M389T22	1.095586	0.131703	0.242638	0.819339	0.88886	UP	389.2198	389.2196	389.222	21.62367	21.5225
14031	M750T11	1.06618	0.092451	0.236264	0.819398	0.888867	UP	750.4098	750.4089	750.4134	10.892	10.73328
14032	M151T10_	1.075692	-0.10527	-0.23641	0.819406	0.888868	DOWN	150.6813	150.6811	150.6813	9.943183	9.843367
14033	M725T9_3	1.115476	0.15766	0.24057	0.819452	0.888873	UP	725.2701	725.2682	725.2742	9.160617	9.145433
14034	M622T9_3	1.10438	0.143237	0.23621	0.819472	0.888876	UP	622.0076	622.005	622.0084	9.325333	9.275917

14035	M420T39_	1.026864	0.038245	0.236111	0.819597	0.888891	UP	420.2226	420.2224	420.223	39.22267	39.03383
14036	M212T10_	1.090125	0.124493	0.235398	0.819849	0.888921	UP	212.2094	212.2093	212.2225	9.8374	9.82645
14037	M620T23_	1.093999	-0.12961	-0.23577	0.819878	0.888925	DOWN	620.1075	620.1065	620.1089	22.6975	22.64167
14038	M357T10_	1.063503	-0.08882	-0.236	0.819881	0.888925	DOWN	357.4271	357.4269	357.4272	9.957333	9.843367
14039	M1367T45	1.078484	-0.109	-0.23615	0.819891	0.888926	DOWN	1366.909	1366.909	1366.911	44.57383	44.5235
14040	M581T10_	1.048266	-0.068	-0.2374	0.819911	0.888929	DOWN	581.4106	581.4104	581.4111	10.01897	9.939683
14041	M260T10_	1.035288	0.050032	0.239345	0.819911	0.888929	UP	259.8241	259.824	259.8241	9.994767	9.8914
14042	M798T16	1.081482	0.113009	0.235392	0.820007	0.88894	UP	797.5088	797.5074	797.5098	16.27145	16.24118
14043	M666T10_	1.059218	0.082999	0.235026	0.820093	0.88895	UP	666.4297	666.4295	666.4304	9.7852	9.65225
14044	M825T10_	1.035806	-0.05075	-0.23514	0.82014	0.888956	DOWN	825.3905	825.3892	825.3911	9.930142	9.827283
14045	M711T10_	1.080183	-0.11128	-0.2349	0.820187	0.888962	DOWN	711.1332	711.1319	711.1345	9.932	9.827283
14046	M734T10_	1.065798	-0.09193	-0.23507	0.820196	0.888963	DOWN	733.5545	733.5541	733.5548	9.95385	9.843367
14047	M1172T10	1.048094	-0.06777	-0.23838	0.820443	0.888993	DOWN	1172.14	1172.139	1172.141	9.830283	9.699733
14048	M273T11_	1.039609	-0.05604	-0.23452	0.820493	0.888999	DOWN	273.4623	273.4623	273.4625	10.89125	10.8646
14049	M708T10_	1.048222	-0.06794	-0.23474	0.820549	0.889005	DOWN	707.8947	707.8945	707.8954	10.25792	10.19852
14050	M526T20	1.092399	-0.1275	-0.23758	0.820584	0.88901	DOWN	526.314	526.3139	526.3145	20.21608	20.19683
14051	M348T9_1	1.092281	-0.12734	-0.23463	0.820593	0.889011	DOWN	347.6281	347.628	347.6282	8.963	8.892117
14052	M646T9_4	1.1474	-0.19837	-0.23792	0.820599	0.889011	DOWN	646.4834	646.4802	646.4845	9.204617	9.12675
14053	M391T9_5	1.086065	-0.11911	-0.23425	0.820688	0.889022	DOWN	391.1997	391.1905	391.2004	9.29345	9.1932
14054	M485T10_	1.041013	-0.05799	-0.23465	0.820784	0.889034	DOWN	485.0908	485.0906	485.091	9.915933	9.811217
14055	M757T10_	1.074736	-0.10398	-0.23518	0.820792	0.889035	DOWN	756.8041	756.8032	756.8061	9.968992	9.859233
14056	M240T10_	1.118061	0.160999	0.236121	0.820798	0.889035	UP	239.7086	239.7083	239.7089	9.979342	9.859233
14057	M286T10_	1.081423	-0.11293	-0.23393	0.820947	0.889053	DOWN	285.8345	285.8341	285.8347	9.958617	9.843367
14058	M332T10_	1.086576	-0.11979	-0.23543	0.820959	0.889055	DOWN	331.9542	331.9539	331.9547	9.886258	9.636483
14059	M648T10_	1.097923	-0.13478	-0.23539	0.821068	0.889068	DOWN	647.695	647.6936	647.6954	9.760008	9.743767
14060	M632T10_	1.113186	-0.15469	-0.23613	0.821192	0.889083	DOWN	631.8324	631.832	631.8328	9.960967	9.869467
14061	M345T9_3	1.060981	-0.0854	-0.23482	0.82121	0.889085	DOWN	344.6241	344.6239	344.6247	8.908842	8.7891
14062	M391T11_	1.033433	0.047445	0.233632	0.82124	0.889088	UP	391.3215	391.3209	391.3221	11.3515	11.30818
14063	M178T9_3	1.119037	-0.16226	-0.23506	0.821268	0.889092	DOWN	177.6325	177.6319	177.6328	9.1602	9.12675
14064	M309T9_4	1.078472	0.108988	0.235309	0.821289	0.889094	UP	309.4573	309.4545	309.4577	8.875708	8.7875
14065	M845T11	1.038852	-0.05499	-0.23437	0.821444	0.889113	DOWN	844.9386	844.9381	844.9395	10.892	10.879
14066	M539T9_1	1.045203	0.063783	0.23309	0.821563	0.889127	UP	539.2676	539.2671	539.2682	9.017783	8.99315
14067	M381T9_2	1.12913	-0.17521	-0.23792	0.821592	0.889131	DOWN	380.5537	380.5531	380.5561	9.1896	9.064833
14068	M264T9_6	1.081793	0.113424	0.233672	0.821709	0.889145	UP	264.1853	264.1852	264.1855	8.735017	8.629617
14069	M536T42_	1.068402	0.095455	0.232593	0.82192	0.88917	UP	536.3062	536.3061	536.3064	41.54617	41.35933

14070	M880T22_	1.05501	0.077257	0.23337	0.822009	0.889181	UP	879.6091	879.6081	879.6102	21.62283	21.59533
14071	M336T10_	1.027127	0.038615	0.238626	0.822133	0.889196	UP	335.727	335.7267	335.7276	9.8397	9.73145
14072	M344T20	1.059615	-0.08354	-0.23358	0.822149	0.889198	DOWN	343.5744	343.5744	343.5748	20.28833	20.23017
14073	M562T42_	1.070051	0.09768	0.2381	0.822157	0.889198	UP	562.3219	562.3218	562.3223	42.15033	42.09283
14074	M968T10_	1.0656	0.091665	0.232313	0.82219	0.889202	UP	968.139	968.1378	968.1394	9.968992	9.859233
14075	M540T10_	1.075688	0.10526	0.237191	0.822194	0.889203	UP	540.4481	540.4477	540.4484	10.05251	9.955733
14076	M172T10_	1.039206	-0.05548	-0.23296	0.822359	0.889223	DOWN	172.3376	172.3374	172.3376	9.830833	9.696683
14077	M223T11_	1.041259	-0.05833	-0.23199	0.822388	0.889226	DOWN	223.2142	223.2141	223.2144	10.89875	10.879
14078	M256T9	1.043358	-0.06123	-0.23285	0.82251	0.889241	DOWN	256.1904	256.1901	256.2014	9.49445	9.232283
14079	M417T9_6	1.033826	-0.04799	-0.23151	0.822768	0.889272	DOWN	416.9749	416.9744	416.9756	9.273908	9.129317
14080	M275T11_	1.049773	-0.07008	-0.23205	0.822858	0.889282	DOWN	275.4227	275.4215	275.423	10.93208	10.85018
14081	M424T9_2	1.053821	-0.07563	-0.23695	0.822883	0.889285	DOWN	424.3836	424.383	424.3846	9.322983	9.234417
14082	M653T10_	1.038462	0.054448	0.23336	0.822924	0.88929	UP	652.9456	652.9402	652.9459	9.948825	9.840617
14083	M852T10_	1.069247	-0.09659	-0.23389	0.822942	0.889292	DOWN	851.6308	851.6302	851.6321	9.915583	9.859667
14084	M349T9_1	1.034121	0.048405	0.233746	0.823049	0.889305	UP	349.1832	349.183	349.1833	8.7612	8.686867
14085	M369T10_	1.057997	0.081335	0.235929	0.823161	0.889319	UP	369.0386	369.0379	369.0397	9.948875	9.843367
14086	M203T11_	1.041274	-0.05835	-0.23094	0.823453	0.889354	DOWN	203.3159	203.3159	203.3162	10.892	10.879
14087	M364T9_2	1.079513	-0.11038	-0.23054	0.823462	0.889355	DOWN	363.739	363.7385	363.7396	8.957342	8.878667
14088	M654T10_	1.061908	-0.08666	-0.23067	0.823515	0.889361	DOWN	653.8369	653.8367	653.8373	9.823575	9.699733
14089	M456T10_	1.086304	-0.11943	-0.23142	0.823566	0.889367	DOWN	455.6214	455.6212	455.6216	9.967367	9.859233
14090	M235T29	1.032675	-0.04639	-0.23105	0.82367	0.889379	DOWN	235.169	235.1689	235.1691	28.89283	28.8775
14091	M359T43_	1.042149	-0.05956	-0.23718	0.823675	0.88938	DOWN	359.2062	359.2061	359.2064	42.52442	42.48117
14092	M712T10_	1.057042	0.080032	0.230535	0.823718	0.889385	UP	712.4741	712.4731	712.4745	10.45917	10.39298
14093	M336T21	1.209744	-0.2747	-0.23041	0.823722	0.889386	DOWN	336.2336	336.2274	336.2337	21.35967	21.30467
14094	M634T11_	1.035337	-0.0501	-0.23107	0.823875	0.889404	DOWN	634.3245	634.3242	634.3258	10.8906	10.85018
14095	M659T10_	1.048151	0.067847	0.22981	0.824184	0.889441	UP	659.1082	659.1078	659.1099	9.855658	9.747533
14096	M293T10_	1.074269	-0.10335	-0.23093	0.824244	0.889448	DOWN	292.9432	292.9427	292.9433	9.972917	9.8753
14097	M655T10_	1.086846	-0.12015	-0.23073	0.824319	0.889457	DOWN	655.1287	655.1282	655.1292	9.831517	9.7124
14098	M248T11_	1.031418	0.044629	0.229298	0.824401	0.889467	UP	248.1256	248.1255	248.1259	10.89875	10.879
14099	M501T9_4	1.044108	-0.06227	-0.22902	0.824605	0.889491	DOWN	501.0248	501.0239	501.025	9.246042	9.1322
14100	M454T9_2	1.073405	-0.10219	-0.22909	0.824605	0.889491	DOWN	454.4125	454.4015	454.4131	9.235933	9.142767
14101	M529T21	1.215375	-0.2814	-0.22931	0.824632	0.889494	DOWN	529.3841	529.3836	529.3848	21.24067	21.23433
14102	M369T16	1.049482	0.069677	0.231227	0.824729	0.889506	UP	369.1883	369.1882	369.1884	15.62907	15.51095
14103	M615T18	1.09119	0.125903	0.229781	0.824836	0.889519	UP	615.0281	615.0279	615.0282	18.01175	17.98817
14104	M617T11	1.066926	0.093461	0.22855	0.824973	0.889535	UP	616.7049	616.7047	616.7056	10.8906	10.8646

14105	M194T10_	1.112484	0.153784	0.228599	0.824996	0.889538	UP	193.8512	193.851	193.8615	9.9014	9.758367
14106	M464T10_	1.037692	0.053379	0.228681	0.825094	0.889549	UP	464.3342	464.3341	464.3344	10.16706	10.08517
14107	M445T11_	1.05469	0.076819	0.23023	0.82518	0.88956	UP	444.8972	444.8965	444.8977	10.89907	10.879
14108	M291T10_	1.052242	0.073466	0.230423	0.825386	0.889584	UP	291.3831	291.3733	291.3833	9.959533	9.859233
14109	M265T10_	1.046957	0.066203	0.228284	0.825422	0.889588	UP	265.1662	265.1658	265.1667	9.987092	9.8753
14110	M327T11_	1.048797	0.068735	0.230632	0.825462	0.889593	UP	327.1361	327.1359	327.1371	10.90628	10.8646
14111	M369T10_	1.033217	-0.04714	-0.22901	0.825474	0.889594	DOWN	369.0204	369.02	369.0214	9.902008	9.79535
14112	M494T9_1	1.050088	0.07051	0.230512	0.825497	0.889597	UP	493.5409	493.539	493.5412	9.411692	9.355317
14113	M464T16	1.084103	-0.1165	-0.2332	0.825512	0.889599	DOWN	464.2903	464.29	464.2905	16.02326	15.99393
14114	M232T11_	1.032264	0.045812	0.227563	0.825695	0.889621	UP	232.1615	232.1615	232.1618	10.89875	10.879
14115	M769T9	1.042148	0.05956	0.22779	0.825761	0.889629	UP	768.5371	768.5368	768.5377	8.620783	8.53335
14116	M752T10_	1.050672	-0.07131	-0.22792	0.825971	0.889654	DOWN	751.9218	751.9208	751.9225	10.40218	10.32768
14117	M883T10_	1.070005	-0.09762	-0.22844	0.826041	0.889662	DOWN	883.2072	883.2059	883.2079	9.968992	9.859233
14118	M639T10_	1.045334	0.063964	0.227451	0.826097	0.889669	UP	639.3788	639.3784	639.38	10.10489	10.0118
14119	M357T38_	1.038684	-0.05476	-0.2271	0.826219	0.889683	DOWN	357.1906	357.1905	357.1907	37.82	37.66183
14120	M356T9_1	1.063262	-0.0885	-0.23009	0.826234	0.889685	DOWN	355.7805	355.7804	355.7809	9.178267	9.07945
14121	M268T9_4	1.063539	0.088872	0.228223	0.826256	0.889688	UP	268.1903	268.1901	268.1906	9.404008	9.355317
14122	M290T24_	1.148321	-0.19953	-0.22658	0.826434	0.889709	DOWN	290.1785	290.1784	290.1787	24.19667	24.18633
14123	M228T11_	1.047633	0.067134	0.226735	0.826441	0.889709	UP	228.3659	228.3657	228.3666	10.9049	10.8646
14124	M363T16	1.041809	0.05909	0.227614	0.82649	0.889715	UP	363.184	363.1837	363.1842	15.96487	15.90587
14125	M336T30	1.068781	0.095966	0.229814	0.826499	0.889716	UP	336.2823	336.282	336.2824	30.09367	30.08117
14126	M783T10_	1.056739	-0.07962	-0.22779	0.826543	0.889722	DOWN	783.4784	783.4778	783.4809	10.23269	10.05935
14127	M376T9_2	1.091218	0.125939	0.228528	0.826627	0.889732	UP	375.7669	375.7664	375.7676	8.809325	8.727567
14128	M423T39	1.08357	-0.11579	-0.22814	0.826652	0.889735	DOWN	423.4024	423.402	423.4025	38.71217	38.69767
14129	M772T10_	1.07128	0.099336	0.228491	0.826655	0.889735	UP	771.9589	771.9578	771.9618	10.45554	10.40807
14130	M798T30	1.04928	-0.0694	-0.22698	0.826702	0.88974	DOWN	797.5232	797.5228	797.5242	30.22167	30.18017
14131	M830T10_	1.061219	-0.08572	-0.22622	0.826703	0.889741	DOWN	829.9825	829.9824	829.9841	10.27972	10.16598
14132	M352T10_	1.053828	-0.07564	-0.22728	0.826769	0.889748	DOWN	351.8515	351.8511	351.8516	9.972917	9.859233
14133	M731T10_	1.042933	-0.06065	-0.22936	0.826782	0.88975	DOWN	730.5101	730.5092	730.5107	9.816267	9.699733
14134	M832T10_	1.059487	-0.08337	-0.2269	0.826808	0.889753	DOWN	831.9588	831.9585	831.9596	10.32011	10.24687
14135	M1398T10	1.055255	0.077591	0.227262	0.826858	0.889759	UP	1397.934	1397.928	1397.935	9.904767	9.843367
14136	M324T10_	1.074564	0.103751	0.226028	0.826938	0.889768	UP	323.5609	323.5606	323.5611	9.8207	9.699733
14137	M629T11_	1.033662	-0.04776	-0.22623	0.826951	0.88977	DOWN	629.4388	629.4386	629.4393	11.48294	11.47298
14138	M318T10_	1.084305	0.11677	0.227749	0.826955	0.88977	UP	318.3043	318.3039	318.3044	9.979342	9.8753
14139	M510T11_	1.037696	-0.05338	-0.22626	0.827063	0.889783	DOWN	509.8515	509.8496	509.852	10.87765	10.8214

14140	M381T9_8	1.089821	0.124091	0.226568	0.827085	0.889786	UP	381.1569	381.1556	381.1642	9.223808	9.1175
14141	M477T10_	1.012583	-0.01804	-0.22654	0.827191	0.889798	DOWN	476.9169	476.9167	476.9172	9.839008	9.7124
14142	M883T11_	1.062566	0.087553	0.227304	0.827515	0.889837	UP	883.4992	883.4988	883.5	10.77638	10.75595
14143	M599T10_	1.107775	0.147665	0.229402	0.82752	0.889837	UP	598.5736	598.5732	598.5739	9.76065	9.65225
14144	M283T10_	1.051525	0.072483	0.231178	0.827527	0.889838	UP	283.477	283.4767	283.4771	9.976075	9.8753
14145	M632T10_	1.064547	-0.09024	-0.22514	0.8276	0.889847	DOWN	631.998	631.9975	631.9996	9.945258	9.827283
14146	M349T10_	1.013918	-0.01994	-0.22901	0.827616	0.889849	DOWN	349.0312	349.031	349.0313	9.8397	9.73145
14147	M284T30	1.050592	0.071203	0.226525	0.82776	0.889866	UP	284.2944	284.2943	284.2945	29.50483	29.49883
14148	M490T11_	1.059201	0.082976	0.227408	0.827807	0.889871	UP	490.1325	490.1317	490.1328	10.9049	10.8646
14149	M479T21_	1.072839	-0.10143	-0.22477	0.827822	0.889873	DOWN	479.3555	479.3553	479.3558	21.4665	21.44967
14150	M350T10_	1.044935	-0.06341	-0.22748	0.827919	0.889885	DOWN	350.2422	350.2421	350.2423	9.536542	9.432183
14151	M539T20	1.061243	-0.08576	-0.22498	0.828015	0.889896	DOWN	539.3766	539.3758	539.3774	19.84283	19.82333
14152	M289T24_	1.023463	-0.03346	-0.22749	0.828045	0.8899	DOWN	289.4288	289.4287	289.4289	24.05917	24.05367
14153	M717T3	1.083925	0.116265	0.224443	0.828198	0.889918	UP	717.4879	717.4872	717.488	3.479283	3.319
14154	M637T28	1.032465	-0.04609	-0.22406	0.828336	0.889934	DOWN	636.9649	636.964	636.9658	28.35242	28.316
14155	M194T9_4	1.162908	-0.21774	-0.22606	0.828389	0.88994	DOWN	193.7536	193.7529	193.7568	9.190317	9.061
14156	M293T10_	1.089773	0.124028	0.226108	0.828407	0.889942	UP	293.3314	293.3311	293.3315	9.972917	9.859233
14157	M802T10	1.050778	0.071458	0.225617	0.828527	0.889957	UP	801.697	801.6964	801.6973	9.970617	9.8914
14158	M242T9_5	1.029497	0.04194	0.223891	0.828543	0.889958	UP	242.1934	242.1918	242.1941	9.295817	9.1322
14159	M1250T45	1.052697	0.07409	0.228473	0.828685	0.889975	UP	1249.802	1249.801	1249.802	44.9835	44.88283
14160	M264T9_3	1.068218	0.095206	0.22513	0.828712	0.889978	UP	263.6838	263.6837	263.6843	8.745917	8.629617
14161	M343T10_	1.125319	0.170334	0.226934	0.828745	0.889982	UP	342.7402	342.7399	342.7408	9.823225	9.7124
14162	M431T9_8	1.113745	0.155419	0.223425	0.828809	0.88999	UP	431.0514	431.0508	431.0526	9.454217	9.358417
14163	M360T31	1.091369	-0.12614	-0.23048	0.828946	0.890006	DOWN	360.1803	360.1803	360.1804	31.03133	31.02317
14164	M477T10_	1.064341	-0.08996	-0.22369	0.828965	0.890008	DOWN	476.6897	476.6895	476.6898	9.958617	9.843367
14165	M589T11_	1.078102	0.108493	0.228305	0.828969	0.890009	UP	588.9113	588.9111	588.9115	10.5188	10.47223
14166	M407T36	1.071585	-0.09975	-0.22313	0.829023	0.890015	DOWN	407.3363	407.336	407.3368	36.2665	36.237
14167	M372T9_2	1.094749	-0.1306	-0.22307	0.829146	0.89003	DOWN	371.743	371.7428	371.7434	9.317	9.048117
14168	M423T9_3	1.089994	-0.12432	-0.22296	0.829159	0.890031	DOWN	422.8499	422.8495	422.8501	9.44825	9.355317
14169	M486T9_1	1.034482	-0.04891	-0.22822	0.829273	0.890045	DOWN	486.3711	486.3709	486.3714	9.320067	9.234417
14170	M510T21	1.064328	-0.08994	-0.22363	0.829349	0.890054	DOWN	510.3184	510.3182	510.3187	21.21525	21.19383
14171	M552T9_4	1.181782	-0.24096	-0.2227	0.829367	0.890056	DOWN	551.7895	551.7878	551.7978	9.470242	9.352117
14172	M282T10_	1.039573	-0.05599	-0.22391	0.829527	0.890075	DOWN	282.1936	282.1935	282.1938	10.39613	10.34372
14173	M543T9_1	1.065111	0.091004	0.222663	0.829537	0.890076	UP	542.9654	542.9591	542.9724	9.219	9.07945
14174	M567T9_3	1.066971	-0.09352	-0.22392	0.829593	0.890082	DOWN	567.3355	567.3347	567.3358	8.97035	8.8836

14175	M190T10_	1.048339	-0.06811	-0.227	0.82961	0.890084	DOWN	190.0404	190.0403	190.0446	9.943183	9.8378
14176	M481T20	1.134068	0.181507	-0.2224	0.829614	0.890085	UP	480.7897	480.7894	480.7899	19.926	19.90917
14177	M863T11	1.035049	0.049699	-0.22225	0.829689	0.890094	UP	862.6752	862.6743	862.6767	11.41063	11.38497
14178	M721T10_	1.082775	0.114733	0.222514	0.829702	0.890095	UP	721.4023	721.4009	721.4031	9.857833	9.728083
14179	M1145T11	1.034022	-0.04827	-0.22309	0.829706	0.890096	DOWN	1145.468	1145.468	1145.469	10.892	10.879
14180	M350T9_4	1.097254	0.133898	0.225021	0.829739	0.8901	UP	349.8965	349.8962	349.9088	9.244067	9.110833
14181	M267T11_	1.062646	-0.08766	-0.22822	0.829742	0.8901	DOWN	267.1199	267.1194	267.1202	11.2194	11.0198
14182	M429T9_8	1.075855	0.105484	0.22239	0.829918	0.890121	UP	429.3956	429.3866	429.4007	9.290217	9.046783
14183	M397T9_9	1.059384	0.083226	0.221932	0.82993	0.890122	UP	397.4653	397.4631	397.4679	9.257325	9.146383
14184	M698T9_2	1.061325	0.085867	0.226508	0.83003	0.890134	UP	697.5421	697.5408	697.5428	9.096567	9.032567
14185	M643T10_	1.107851	-0.14776	-0.22207	0.830041	0.890135	DOWN	643.078	643.0768	643.0816	9.801875	9.699733
14186	M360T11_	1.097116	0.133716	0.222081	0.830242	0.890159	UP	359.9312	359.931	359.9314	10.85018	10.84767
14187	M547T9_1	1.08758	-0.12112	-0.2218	0.830338	0.89017	DOWN	546.5378	546.5351	546.5385	9.168892	9.1445
14188	M376T10_	1.080443	-0.11162	-0.22167	0.83034	0.89017	DOWN	376.073	376.0729	376.0735	9.903017	9.811217
14189	M457T31	1.084661	0.117245	0.225542	0.830542	0.890194	UP	457.3037	457.3032	457.304	31.13267	31.10433
14190	M200T9_6	1.070523	-0.09832	-0.22157	0.830543	0.890194	DOWN	199.6305	199.6303	199.6306	9.20785	9.132267
14191	M270T26	1.055169	-0.07747	-0.22095	0.830676	0.89021	DOWN	270.2789	270.2788	270.2791	25.75258	25.7305
14192	M290T9_5	1.071011	-0.09897	-0.22088	0.830913	0.890238	DOWN	290.1889	290.1888	290.1891	8.802542	8.712633
14193	M437T7	1.094561	-0.13035	-0.22085	0.830913	0.890238	DOWN	437.2351	437.235	437.2355	7.364833	7.288367
14194	M719T33	1.094503	-0.13028	-0.2266	0.830995	0.890248	DOWN	718.5312	718.5309	718.5319	32.95083	32.92183
14195	M379T30	1.048199	-0.06791	-0.22342	0.831119	0.890262	DOWN	379.3052	379.3049	379.3053	30.16617	30.165
14196	M622T41_	1.028068	0.039935	0.222562	0.83117	0.890268	UP	622.3436	622.3432	622.3439	40.71183	40.61117
14197	M202T11_	1.034216	-0.04854	-0.22134	0.831193	0.890271	DOWN	202.3679	202.3678	202.3681	10.892	10.879
14198	M732T10_	1.05759	-0.08078	-0.22022	0.831227	0.890275	DOWN	732.4328	732.4323	732.4355	9.946467	9.824233
14199	M270T24	1.064136	-0.08968	-0.22006	0.831347	0.890289	DOWN	270.2789	270.2787	270.279	24.49133	24.47817
14200	M361T10_	1.147303	0.198246	0.220326	0.831474	0.890304	UP	361.152	361.1519	361.1522	9.816183	9.699733
14201	M329T10_	1.039436	-0.0558	-0.22049	0.831513	0.890308	DOWN	328.666	328.6657	328.6661	9.977442	9.859233
14202	M391T19	1.044922	0.063395	0.221519	0.83152	0.890309	UP	391.0566	391.0563	391.0569	18.96117	18.95117
14203	M226T10_	1.068816	0.096014	0.219734	0.831586	0.890317	UP	226.0796	226.0794	226.0797	9.975217	9.859233
14204	M419T9_1	1.087428	0.12092	0.219852	0.831612	0.89032	UP	418.5897	418.5891	418.5899	8.8978	8.877267
14205	M810T10_	1.06339	-0.08867	-0.21968	0.831633	0.890322	DOWN	810.4473	810.4466	810.4482	10.23287	10.21468
14206	M210T9_1	1.059833	-0.08384	-0.21985	0.83164	0.890323	DOWN	209.5186	209.5184	209.5187	9.365833	9.1445
14207	M399T19	1.049528	-0.06974	-0.22448	0.831645	0.890324	DOWN	399.264	399.2635	399.2642	18.6895	18.6875
14208	M262T10_	1.082135	-0.11388	-0.21959	0.831825	0.890345	DOWN	261.9216	261.9212	261.9217	9.958617	9.843367
14209	M1134T10	1.06613	-0.09238	-0.22197	0.831831	0.890346	DOWN	1133.568	1133.567	1133.576	9.84695	9.728083

14210	M340T10_	1.171666	-0.22856	-0.21937	0.831888	0.890352	DOWN	340.1956	340.1893	340.1998	9.843367	9.73145
14211	M306T11_	1.038135	0.053994	0.219192	0.832034	0.89037	UP	305.947	305.947	305.9474	10.9049	10.87708
14212	M273T9_5	1.057609	0.080807	0.223307	0.832131	0.890381	UP	273.1889	273.1887	273.1895	8.909325	8.858283
14213	M424T11_	1.038534	-0.05455	-0.21914	0.832199	0.890389	DOWN	424.3318	424.3316	424.3321	10.892	10.879
14214	M301T22	1.099219	-0.13648	-0.21908	0.832204	0.890389	DOWN	301.2846	301.2843	301.2851	21.8105	21.80283
14215	M365T10_	1.045397	-0.06405	-0.22083	0.83229	0.8904	DOWN	365.439	365.4378	365.4395	9.80915	9.715683
14216	M758T11_	1.03604	0.05108	0.218887	0.832433	0.890416	UP	757.5692	757.5687	757.5698	10.90375	10.879
14217	M1118T10	1.044853	-0.0633	-0.2215	0.832524	0.890427	DOWN	1118.103	1118.1	1118.106	9.759167	9.729367
14218	M188T10_	1.06326	0.088494	0.218779	0.832583	0.890434	UP	187.7219	187.7217	187.722	9.968992	9.859233
14219	M1769T10	1.028406	0.04041	0.218422	0.832613	0.890437	UP	1768.703	1768.7	1768.705	9.830083	9.7124
14220	M863T26_	1.044738	-0.06314	-0.21889	0.832621	0.890438	DOWN	862.6098	862.6097	862.6102	25.57683	25.57283
14221	M412T11_	1.118758	-0.1619	-0.2183	0.832661	0.890443	DOWN	412.4429	412.4423	412.4502	10.86338	10.8214
14222	M265T10_	1.043544	0.061491	0.219451	0.832715	0.890449	UP	265.4465	265.4463	265.4469	9.922825	9.75805
14223	M639T10_	1.075554	-0.10508	-0.21826	0.832751	0.890454	DOWN	638.6637	638.6633	638.664	9.529783	9.416817
14224	M216T11_	1.074395	-0.10352	-0.21802	0.832936	0.890475	DOWN	215.5423	215.5421	215.5428	10.90785	10.8937
14225	M623T9_2	1.071002	-0.09896	-0.21815	0.832942	0.890476	DOWN	623.0882	623.0869	623.0923	9.302667	9.234417
14226	M795T10_	1.04344	0.061347	0.218001	0.833019	0.890485	UP	795.4171	795.4153	795.4183	10.23055	10.06883
14227	M581T11_	1.084212	0.116647	0.217787	0.833076	0.890492	UP	580.6694	580.6685	580.67	10.73087	10.6899
14228	M384T11_	1.037265	0.052785	0.218451	0.833124	0.890497	UP	384.2577	384.2572	384.258	10.91978	10.89355
14229	M364T11_	1.073696	0.102586	0.221909	0.833133	0.890498	UP	364.257	364.2566	364.2579	10.61045	10.5836
14230	M490T13	1.035019	-0.04966	-0.21858	0.833183	0.890504	DOWN	490.3245	490.3243	490.3248	12.63143	12.61823
14231	M301T9_3	1.105833	-0.14513	-0.21777	0.833221	0.890509	DOWN	301.2016	301.1902	301.2024	8.88325	8.847333
14232	M420T10_	1.041469	0.05862	0.218128	0.833221	0.890509	UP	420.0924	420.0916	420.0932	9.986767	9.8378
14233	M188T10_	1.073781	0.102699	0.217719	0.83324	0.890511	UP	187.8675	187.8673	187.8676	9.968992	9.859233
14234	M352T41_	1.020542	0.029336	0.223529	0.833261	0.890513	UP	352.1965	352.1963	352.1967	40.97075	40.755
14235	M479T10_	1.047868	-0.06746	-0.21829	0.833319	0.89052	DOWN	479.3727	479.3717	479.3732	9.965792	9.8753
14236	M392T10_	1.046248	0.065225	0.217533	0.833371	0.890526	UP	391.6256	391.6253	391.6259	9.979325	9.859233
14237	M1731T10	1.032233	0.045769	0.219575	0.833378	0.890527	UP	1730.709	1730.697	1730.711	9.916525	9.811217
14238	M271T11_	1.138069	0.186588	0.217365	0.8334	0.89053	UP	270.842	270.8418	270.8428	10.92731	10.89125
14239	M389T10_	1.067189	0.093815	0.217771	0.833418	0.890532	UP	389.1791	389.1787	389.1793	9.960967	9.859233
14240	M446T9_3	1.063797	0.089223	0.217274	0.833447	0.890535	UP	445.9703	445.9698	445.9705	8.78005	8.682683
14241	M879T33	1.073644	-0.10252	-0.21741	0.833532	0.890545	DOWN	878.6052	878.6047	878.6062	33.21067	33.19617
14242	M218T11_	1.033538	-0.04759	-0.21813	0.83363	0.890556	DOWN	218.387	218.3869	218.3872	10.892	10.879
14243	M261T9_4	1.039321	-0.05564	-0.21719	0.833638	0.890557	DOWN	261.1304	261.1303	261.1305	8.510033	8.443767
14244	M306T9_4	1.230296	-0.29901	-0.21795	0.833661	0.89056	DOWN	306.3112	306.311	306.3113	9.075083	9.03845

14245	M195T10_	1.056578	-0.0794	-0.21694	0.833682	0.890563	DOWN	195.4771	195.4768	195.4772	9.951283	9.843367
14246	M173T10_	1.047476	0.066917	0.221572	0.834042	0.890605	UP	172.9789	172.9787	172.979	9.809217	9.715683
14247	M508T43_	1.030065	0.042735	0.218428	0.834042	0.890605	UP	508.311	508.3109	508.3111	42.53883	42.49583
14248	M1760T10	1.067241	-0.09389	-0.21668	0.834045	0.890605	DOWN	1760.128	1760.126	1760.129	9.831517	9.715683
14249	M414T9_4	1.088679	0.122578	0.22177	0.834047	0.890605	UP	413.7177	413.7171	413.7193	9.431517	9.328967
14250	M595T9	1.045971	-0.06484	-0.21834	0.834086	0.89061	DOWN	595.4981	595.4975	595.4983	9.462608	9.416817
14251	M703T10_	1.039034	-0.05524	-0.2164	0.834099	0.890611	DOWN	702.8851	702.8846	702.8854	9.951283	9.843367
14252	M332T10_	1.014266	-0.02044	-0.22079	0.834398	0.890646	DOWN	332.1266	332.1265	332.1272	9.8397	9.73145
14253	M382T18	1.048213	-0.06793	-0.21618	0.834424	0.890649	DOWN	381.7703	381.7701	381.7711	18.358	18.3405
14254	M443T10_	1.011257	0.016149	0.219719	0.834578	0.890667	UP	442.8356	442.8353	442.8364	9.7936	9.683817
14255	M518T10_	1.05691	-0.07985	-0.21661	0.834593	0.890669	DOWN	517.7713	517.7713	517.7721	9.940783	9.853533
14256	M757T10_	1.039041	-0.05525	-0.21613	0.834631	0.890673	DOWN	757.0551	757.054	757.0556	9.962617	9.859233
14257	M663T34	1.041705	0.058947	0.216957	0.834642	0.890675	UP	663.4292	663.4286	663.4297	33.54258	33.528
14258	M227T10_	1.041122	-0.05814	-0.21714	0.834806	0.890694	DOWN	226.7888	226.7887	226.7888	9.8914	9.806367
14259	M194T10_	1.063123	0.088309	0.215952	0.83487	0.890701	UP	194.1901	194.1899	194.1905	10.27288	10.23087
14260	M1299T10	1.042225	-0.05967	-0.21696	0.834915	0.890707	DOWN	1299.351	1299.349	1299.355	9.8207	9.699733
14261	M439T44	1.021306	0.030416	0.217585	0.834954	0.890711	UP	439.3778	439.3776	439.378	43.57442	43.528
14262	M331T10_	1.062187	0.087038	0.218296	0.834992	0.890715	UP	331.1222	331.122	331.1352	9.975308	9.8914
14263	M272T10_	1.050799	-0.07149	-0.21941	0.835138	0.890733	DOWN	272.013	272.0128	272.0136	9.97155	9.859233
14264	M370T9_4	1.0883	0.122077	0.215934	0.835302	0.890752	UP	369.6432	369.6431	369.6434	9.382183	9.235933
14265	M1969T10	1.064292	0.089894	0.214879	0.835349	0.890757	UP	1968.674	1968.673	1968.679	9.830083	9.699733
14266	M245T45_	1.016129	-0.02308	-0.21467	0.835397	0.890763	DOWN	245.138	245.138	245.1381	44.60267	44.53767
14267	M378T10_	1.126807	0.17224	0.214856	0.835487	0.890773	UP	377.9688	377.9688	377.9689	9.918833	9.8378
14268	M498T22	1.075965	-0.10563	-0.21453	0.835569	0.890783	DOWN	497.8471	497.8463	497.8475	22.18442	22.1605
14269	M1046T10	1.115701	0.157951	0.216717	0.835609	0.890787	UP	1045.814	1045.813	1045.814	9.964092	9.869467
14270	M294T9_2	1.096806	-0.13331	-0.21472	0.835648	0.890792	DOWN	293.6247	293.6239	293.6248	9.486908	9.432183
14271	M520T10_	1.078082	0.108468	0.216317	0.835842	0.890815	UP	520.0442	520.044	520.0449	9.960967	9.8753
14272	M237T11_	1.043851	-0.06192	-0.21423	0.835863	0.890817	DOWN	237.3143	237.3142	237.3149	10.90519	10.879
14273	M298T32	1.19581	0.257988	0.216722	0.835919	0.890823	UP	298.3465	298.3463	298.3469	31.9545	31.91217
14274	M505T10_	1.040401	-0.05714	-0.2144	0.835988	0.890832	DOWN	504.7121	504.7114	504.7125	9.979342	9.859233
14275	M324T10_	1.06205	-0.08685	-0.2142	0.8362	0.890856	DOWN	324.4636	324.4633	324.4639	9.948875	9.843367
14276	M171T10_	1.031966	0.045396	0.218878	0.836226	0.890859	UP	170.5231	170.523	170.5233	9.8397	9.715683
14277	M701T11_	1.044761	-0.06317	-0.21354	0.836265	0.890864	DOWN	701.3574	701.3572	701.3577	11.48922	11.45835
14278	M908T10_	1.100187	0.137748	0.213456	0.836371	0.890876	UP	908.2554	908.2542	908.2559	9.915583	9.79535
14279	M214T9_2	1.076475	0.106315	0.213704	0.836506	0.890892	UP	213.5552	213.5546	213.5555	9.278342	9.111033



14280	M425T11_	1.030408	0.043216	0.218092	0.836518	0.890893	UP	425.2512	425.2511	425.2514	10.90659	10.89355
14281	M215T11_	1.065425	-0.09143	-0.21336	0.836582	0.8909	DOWN	215.3889	215.3887	215.3895	10.892	10.85018
14282	M479T9_4	1.027772	-0.03952	-0.21309	0.836684	0.890912	DOWN	478.8228	478.8225	478.8229	9.29015	9.12675
14283	M209T11_	1.039045	0.055257	0.212956	0.836972	0.890946	UP	209.4204	209.4202	209.4205	10.92598	10.87487
14284	M452T10_	1.145298	-0.19572	-0.21259	0.837013	0.890951	DOWN	452.2792	452.2778	452.2793	9.810125	9.696683
14285	M307T10_	1.070849	0.098756	0.213719	0.837014	0.890951	UP	306.8572	306.8569	306.8572	9.893283	9.779267
14286	M397T10_	1.027978	-0.03981	-0.21498	0.837103	0.890961	DOWN	397.2419	397.2417	397.2421	9.930908	9.811217
14287	M726T32	1.031999	-0.04544	-0.21243	0.837103	0.890961	DOWN	725.5954	725.5945	725.5955	31.76783	31.7675
14288	M584T9_7	1.041112	0.058126	0.215956	0.837179	0.89097	UP	584.3373	584.3326	584.3409	9.43325	9.1445
14289	M1501T10	1.087157	-0.12056	-0.21384	0.837196	0.890972	DOWN	1500.731	1500.73	1500.732	9.958617	9.859233
14290	M375T9_6	1.072742	0.101303	0.214048	0.837268	0.89098	UP	375.323	375.3212	375.3258	9.174933	9.06855
14291	M283T9_4	1.084059	0.116443	0.213342	0.837272	0.890981	UP	283.3662	283.3659	283.3663	9.367317	9.288883
14292	M351T11_	1.03185	-0.04523	-0.21299	0.837293	0.890983	DOWN	351.2802	351.28	351.2807	10.892	10.879
14293	M369T10_	1.06428	0.089877	0.213769	0.837322	0.890986	UP	369.0578	369.0571	369.0587	9.918833	9.811217
14294	M461T25	1.052118	-0.0733	-0.21289	0.837411	0.890997	DOWN	461.3493	461.344	461.3496	24.609	24.3735
14295	M160T10_	1.091011	0.125665	0.214721	0.837442	0.891	UP	160.4434	160.438	160.4436	9.956417	9.827283
14296	M913T10_	1.060734	-0.08506	-0.21264	0.837501	0.891007	DOWN	913.045	913.0435	913.0458	9.806892	9.65225
14297	M527T11_	1.024754	-0.03528	-0.21278	0.837505	0.891008	DOWN	526.979	526.9785	526.9795	10.89355	10.88747
14298	M323T10_	1.064961	-0.0908	-0.21238	0.837703	0.891031	DOWN	323.2942	323.294	323.2946	9.950258	9.843367
14299	M548T44_	1.049239	-0.06934	-0.21438	0.837726	0.891033	DOWN	548.3061	548.3061	548.3067	43.96283	43.747
14300	M660T10_	1.013464	0.019295	0.215096	0.837832	0.891046	UP	659.501	659.5004	659.503	9.8397	9.715683
14301	M652T10_	1.039592	-0.05602	-0.21133	0.837949	0.891059	DOWN	651.8294	651.8291	651.8295	9.962617	9.859233
14302	M254T10_	1.059844	0.083851	0.217859	0.83804	0.89107	UP	253.9429	253.9428	253.9431	9.73895	9.636483
14303	M366T10_	1.095402	-0.13146	-0.21198	0.838098	0.891076	DOWN	365.7464	365.746	365.7466	9.958617	9.859233
14304	M1486T10	1.071752	-0.09997	-0.21105	0.838267	0.891096	DOWN	1485.567	1485.559	1485.57	9.918833	9.827283
14305	M341T11_	1.062242	-0.08711	-0.21376	0.838457	0.891118	DOWN	340.7607	340.7515	340.7608	11.04848	11.01617
14306	M889T10	1.047811	0.067379	0.210586	0.838496	0.891122	UP	889.2533	889.2527	889.255	9.933967	9.827283
14307	M382T9_6	1.047613	-0.06711	-0.21153	0.838756	0.891152	DOWN	381.9144	381.9142	381.9151	8.923992	8.817367
14308	M595T10_	1.080442	-0.11162	-0.21048	0.839015	0.891182	DOWN	594.6537	594.6534	594.6542	9.910375	9.843367
14309	M229T9_5	1.043108	0.060888	0.21152	0.839179	0.891201	UP	228.8078	228.8057	228.8082	9.445217	9.3261
14310	M184T10_	1.09265	0.127831	0.2099	0.839186	0.891202	UP	183.9249	183.9247	183.925	9.946467	9.827283
14311	M461T30_	1.021646	0.030896	0.209503	0.839374	0.891224	UP	461.3732	461.3727	461.3733	30.22283	30.19467
14312	M309T10_	1.057572	-0.08076	-0.21222	0.839683	0.89126	DOWN	308.5681	308.568	308.5727	9.6293	9.52595
14313	M335T11_	1.025061	-0.03571	-0.20904	0.839684	0.89126	DOWN	334.6011	334.6008	334.602	10.90519	10.879
14314	M444T10_	1.090463	0.12494	0.208836	0.839849	0.891279	UP	444.3388	444.3381	444.3394	10.20545	10.13518

14315	M1757T10	1.058882	0.082542	0.210887	0.839909	0.891286	UP	1756.897	1756.89	1756.899	9.968992	9.859233
14316	M660T30	1.041792	-0.05907	-0.20987	0.839919	0.891287	DOWN	660.4892	660.4887	660.4894	30.26625	30.2515
14317	M902T10_	1.070022	-0.09764	-0.20908	0.839938	0.891289	DOWN	902.493	902.492	902.4939	9.944392	9.843367
14318	M201T10_	1.039004	-0.0552	-0.20944	0.839957	0.891291	DOWN	201.0473	201.0472	201.0473	9.830083	9.699733
14319	M662T10_	1.076706	0.106624	0.208908	0.839974	0.891293	UP	661.8593	661.8592	661.8597	9.842	9.802117
14320	M259T11_	1.045355	-0.06399	-0.21002	0.839992	0.891295	DOWN	259.3114	259.3112	259.3116	10.93148	10.8926
14321	M355T9_4	1.068418	-0.09548	-0.20838	0.840144	0.891313	DOWN	355.1985	355.1979	355.1994	9.365833	9.206
14322	M645T11	1.045132	0.063686	0.208292	0.840223	0.891322	UP	644.6376	644.6373	644.6383	11.49742	11.47593
14323	M376T10_	1.041724	0.058973	0.208596	0.840251	0.891325	UP	376.2203	376.2201	376.2206	9.554883	9.46325
14324	M213T9_1	1.21024	0.275293	0.208202	0.840417	0.891344	UP	213.2312	213.2305	213.2316	9.216183	9.158833
14325	M249T9_2	1.032396	0.045997	0.211597	0.840426	0.891345	UP	249.157	249.1569	249.1571	8.749758	8.6529
14326	M322T10_	1.058971	-0.08266	-0.20839	0.840563	0.891361	DOWN	322.3225	322.3221	322.3231	9.964092	9.843367
14327	M497T37	1.048136	0.067826	0.209228	0.840589	0.891364	UP	497.3882	497.3872	497.3899	37.3885	37.3595
14328	M788T10_	1.05396	0.075821	0.207842	0.840619	0.891368	UP	788.4339	788.432	788.4347	10.23199	10.13887
14329	M650T10_	1.0458	0.064607	0.210057	0.840704	0.891377	UP	649.8987	649.898	649.8996	10.15397	10.08517
14330	M426T10_	1.076503	-0.10635	-0.20771	0.840719	0.891379	DOWN	425.9762	425.9761	425.9766	9.504583	9.40135
14331	M178T10_	1.0464	0.065434	0.208887	0.840766	0.891384	UP	178.0613	178.0607	178.0614	9.91875	9.827283
14332	M241T9_2	1.111254	0.152189	0.207351	0.840921	0.891402	UP	240.7339	240.7337	240.7341	9.064833	9.03845
14333	M965T10_	1.055855	0.078412	0.20741	0.841001	0.891412	UP	964.5052	964.5042	964.5061	9.979342	9.859233
14334	M169T10_	1.05519	-0.0775	-0.20731	0.841049	0.891417	DOWN	169.0624	169.0547	169.0626	9.8776	9.811217
14335	M330T9_7	1.036084	-0.05114	-0.21005	0.841077	0.89142	DOWN	329.9764	329.9755	329.9765	8.884642	8.75965
14336	M700T10_	1.012257	0.017575	0.210454	0.841093	0.891422	UP	700.4424	700.4421	700.4427	9.825767	9.715683
14337	M381T10_	1.099964	0.137457	0.207134	0.841113	0.891424	UP	381.4863	381.4862	381.4864	9.946467	9.843367
14338	M385T10_	1.029614	-0.0421	-0.209	0.84113	0.891426	DOWN	385.4859	385.4856	385.4862	9.972917	9.859233
14339	M222T10_	1.070358	-0.09809	-0.20875	0.84135	0.891452	DOWN	221.9627	221.9624	221.9629	9.962617	9.843367
14340	M520T43_	1.047044	-0.06632	-0.20997	0.841432	0.891461	DOWN	520.2747	520.2746	520.2751	43.15692	43.12867
14341	M473T9_5	1.053484	-0.07517	-0.20695	0.841447	0.891463	DOWN	473.1082	473.1076	473.1085	9.229333	9.129317
14342	M413T9_1	1.030549	-0.04341	-0.20652	0.841551	0.891475	DOWN	413.4681	413.4677	413.4693	9.2585	9.20785
14343	M371T9_3	1.047773	0.067326	0.208568	0.841599	0.89148	UP	371.2277	371.2274	371.2281	8.900825	8.7875
14344	M573T10_	1.055453	0.077863	0.209406	0.841618	0.891482	UP	572.7577	572.7573	572.758	9.965892	9.853533
14345	M243T9_4	1.117104	-0.15976	-0.20823	0.841644	0.891485	DOWN	242.6133	242.6078	242.6149	9.220933	9.146383
14346	M239T11_	1.024496	-0.03491	-0.20631	0.841706	0.891493	DOWN	238.5906	238.5904	238.5911	10.90519	10.879
14347	M441T36	1.096452	-0.13284	-0.20643	0.841744	0.891497	DOWN	441.4128	441.4126	441.413	35.94392	35.92017
14348	M570T10_	1.034241	0.048573	0.206666	0.841804	0.891504	UP	569.623	569.6225	569.6235	9.954767	9.843367
14349	M289T11_	1.048915	-0.0689	-0.20728	0.841853	0.891509	DOWN	288.9963	288.9962	288.9966	10.90442	10.85018

14350	M316T28_	1.031084	-0.04416	-0.20828	0.841896	0.891514	DOWN	316.3207	316.3205	316.3209	28.12733	28.11333
14351	M1037T10	1.088325	-0.12211	-0.20641	0.842012	0.891528	DOWN	1036.574	1036.573	1036.574	9.830917	9.77435
14352	M679T34	1.134878	-0.18254	-0.2058	0.842159	0.891545	DOWN	679.4823	679.482	679.4827	34.393	34.36367
14353	M749T10_	1.037224	-0.05273	-0.20574	0.842188	0.891548	DOWN	748.9426	748.9422	748.943	10.39556	10.34372
14354	M1382T10	1.057197	0.080245	0.205719	0.842223	0.891552	UP	1382.439	1382.438	1382.442	9.973517	9.8753
14355	M455T10_	1.069895	-0.09747	-0.20654	0.842283	0.891559	DOWN	454.6141	454.6139	454.6142	9.964092	9.843367
14356	M282T10_	1.06335	0.088617	0.205875	0.842348	0.891566	UP	282.1671	282.1668	282.1673	9.6055	9.49445
14357	M236T11_	1.031319	-0.04449	-0.20617	0.84246	0.891579	DOWN	236.4456	236.4455	236.4457	10.892	10.879
14358	M1221T18	1.042226	-0.05967	-0.20676	0.842483	0.891582	DOWN	1220.562	1220.561	1220.564	18.078	18.05483
14359	M324T10_	1.053075	-0.07461	-0.20566	0.84254	0.891588	DOWN	324.2998	324.2997	324.3002	9.957333	9.843367
14360	M900T10_	1.040161	-0.05681	-0.20807	0.842698	0.891606	DOWN	900.4687	900.4681	900.4695	9.526775	9.4632
14361	M379T9_4	1.080412	0.111581	0.205083	0.84273	0.89161	UP	379.0177	379.013	379.0204	9.18975	9.1445
14362	M243T11_	1.104059	0.142818	0.204943	0.842742	0.891611	UP	242.7426	242.7425	242.7426	10.87708	10.85018
14363	M271T24	1.072293	-0.1007	-0.20478	0.842879	0.891627	DOWN	271.2821	271.2819	271.2822	24.49217	24.47583
14364	M350T10_	1.045477	-0.06416	-0.20521	0.843028	0.891644	DOWN	350.3872	350.3868	350.3884	9.956417	9.811217
14365	M636T45	1.066114	-0.09236	-0.20575	0.843092	0.891652	DOWN	636.3592	636.3591	636.3594	44.76783	44.56667
14366	M175T10_	1.066533	-0.09293	-0.20781	0.843097	0.891652	DOWN	174.9919	174.9918	174.9942	9.964092	9.859233
14367	M331T10_	1.049785	-0.07009	-0.20846	0.843172	0.891661	DOWN	331.3677	331.3676	331.3678	9.91765	9.827283
14368	M351T9_7	1.055055	0.077318	0.205415	0.843214	0.891666	UP	350.8136	350.8131	350.8141	9.279617	9.22495
14369	M253T11_	1.028632	0.040728	0.204262	0.843251	0.89167	UP	252.8504	252.8502	252.8505	10.89875	10.879
14370	M490T43	1.032283	0.045839	0.205652	0.843382	0.891685	UP	490.2643	490.2643	490.2645	42.992	42.88417
14371	M921T10_	1.043635	0.061617	0.204558	0.843391	0.891686	UP	921.124	921.1228	921.1241	9.9351	9.896717
14372	M199T11	1.054629	-0.07674	-0.20399	0.843577	0.891707	DOWN	198.7205	198.7204	198.7207	10.90553	10.88995
14373	M417T11_	1.052027	0.073172	0.203859	0.843615	0.891712	UP	416.5756	416.5754	416.5772	10.91734	10.88995
14374	M360T9_4	1.11837	0.161398	0.205977	0.843729	0.891725	UP	359.7637	359.7633	359.7642	9.06855	9.00135
14375	M239T10_	1.083274	0.115398	0.204367	0.84382	0.891735	UP	239.2217	239.2214	239.222	9.962617	9.843367
14376	M422T10_	1.074126	0.103163	0.203873	0.843844	0.891738	UP	422.2628	422.2622	422.2638	9.62495	9.540717
14377	M563T11_	1.039946	-0.05651	-0.20645	0.843872	0.891741	DOWN	563.312	563.3108	563.3123	10.51713	10.48782
14378	M385T11_	1.065577	0.091634	0.203901	0.843951	0.89175	UP	385.2992	385.2988	385.2995	11.11333	11.08157
14379	M636T10_	1.07221	0.100587	0.203842	0.84404	0.89176	UP	636.0087	636.0085	636.009	9.938708	9.827283
14380	M778T10_	1.050282	-0.07078	-0.20347	0.844047	0.891761	DOWN	778.0225	778.0217	778.0233	9.886083	9.779267
14381	M261T11_	1.047651	-0.06716	-0.20306	0.844224	0.891781	DOWN	260.7287	260.7285	260.7288	10.892	10.873
14382	M178T9_1	1.077992	-0.10835	-0.20313	0.844419	0.891804	DOWN	178.355	178.3546	178.3558	9.311883	9.146383
14383	M652T12	1.041156	0.058186	0.203417	0.844571	0.891821	UP	652.4238	652.4234	652.4241	11.50399	11.47593
14384	M614T10_	1.04841	0.068202	0.203253	0.844586	0.891823	UP	614.1967	614.1959	614.1988	9.965892	9.843367

14385	M418T10_	1.053263	0.074866	0.202609	0.844681	0.891833	UP	418.3221	418.3218	418.3223	9.972917	9.859233
14386	M584T9_3	1.0432	0.061016	0.203118	0.844712	0.891837	UP	583.8793	583.8779	583.8797	8.985492	8.892117
14387	M318T11_	1.045398	-0.06405	-0.20233	0.844732	0.891839	DOWN	317.5796	317.5784	317.5801	10.9049	10.88747
14388	M538T20	1.065399	0.091393	0.202452	0.844798	0.891847	UP	538.3735	538.3732	538.3742	19.83083	19.78
14389	M845T10_	1.036802	0.05214	0.203348	0.844847	0.891852	UP	844.8851	844.8846	844.8856	9.951283	9.843367
14390	M167T23	1.019571	0.027962	0.202917	0.84485	0.891853	UP	167.07	167.0699	167.0701	22.8715	22.85683
14391	M671T10_	1.068228	-0.09522	-0.2024	0.844922	0.891861	DOWN	671.1765	671.1758	671.177	9.8374	9.799767
14392	M685T10_	1.077405	0.10756	0.202244	0.845032	0.891874	UP	684.9588	684.9581	684.9597	9.830283	9.715683
14393	M332T29	1.053602	-0.07533	-0.20406	0.845111	0.891883	DOWN	332.3157	332.3155	332.3158	28.70908	28.7
14394	M819T11	1.027277	-0.03882	-0.20172	0.845268	0.8919	DOWN	818.5429	818.5422	818.5465	10.90628	10.873
14395	M417T41_	1.047084	-0.06638	-0.2037	0.845315	0.891906	DOWN	417.248	417.2479	417.248	40.92067	40.78383
14396	M786T11	1.034171	0.048475	0.201953	0.845415	0.891917	UP	785.6289	785.6265	785.6298	10.8926	10.84395
14397	M719T19	1.06288	-0.08798	-0.20131	0.845483	0.891925	DOWN	719.4509	719.45	719.4515	19.07483	19.053
14398	M1131T9	1.080385	-0.11155	-0.20204	0.845502	0.891927	DOWN	1131.246	1131.243	1131.247	9.310283	9.160617
14399	M271T11_	1.05428	0.076259	0.201446	0.845549	0.891933	UP	270.7599	270.7597	270.76	10.892	10.8646
14400	M291T10_	1.043348	0.061221	0.204464	0.845609	0.891939	UP	290.502	290.5019	290.5023	9.977025	9.8753
14401	M325T13	1.042027	0.059393	0.201414	0.845722	0.891952	UP	325.2928	325.2922	325.2932	13.49317	13.47873
14402	M245T16	1.032482	-0.04612	-0.20125	0.845829	0.891964	DOWN	245.1936	245.1935	245.1937	16.46776	16.41757
14403	M219T11_	1.034426	-0.04883	-0.20248	0.846059	0.891991	DOWN	218.9631	218.963	218.9632	10.90519	10.879
14404	M1837T10	1.03914	0.055391	0.200689	0.84613	0.891999	UP	1837.277	1837.277	1837.279	9.9677	9.859233
14405	M560T10_	1.082716	-0.11466	-0.20082	0.846266	0.892014	DOWN	560.3409	560.3363	560.3415	10.19571	10.08517
14406	M621T11_	1.075518	0.105032	0.200654	0.846366	0.892026	UP	621.3695	621.3684	621.37	10.90519	10.88747
14407	M421T10_	1.052883	0.074345	0.200385	0.846382	0.892027	UP	420.5796	420.5792	420.5801	9.972917	9.859233
14408	M297T10_	1.035065	-0.04972	-0.20009	0.846404	0.89203	DOWN	296.8851	296.8848	296.8852	9.945258	9.843367
14409	M845T10_	1.17628	0.234232	0.200199	0.846434	0.892033	UP	844.9519	844.9514	844.9527	9.923592	9.811217
14410	M310T10_	1.052922	-0.0744	-0.20012	0.846601	0.892052	DOWN	309.8933	309.8932	309.8935	9.903017	9.827283
14411	M417T12_	1.060807	0.085163	0.199912	0.846613	0.892054	UP	417.1632	417.1625	417.1636	12.13705	12.0908
14412	M474T10_	1.057972	-0.0813	-0.20051	0.846634	0.892056	DOWN	473.9663	473.966	473.9665	9.958617	9.843367
14413	M238T10_	1.083612	0.115848	0.201048	0.846636	0.892056	UP	237.6724	237.6722	237.6726	9.9351	9.827283
14414	M676T10_	1.047065	-0.06635	-0.19986	0.846654	0.892058	DOWN	676.193	676.1925	676.1936	9.951283	9.843367
14415	M838T30	1.056959	-0.07992	-0.20073	0.846663	0.892059	DOWN	837.5981	837.5971	837.5995	30.209	30.17883
14416	M1562T10	1.034182	-0.04849	-0.2002	0.846727	0.892067	DOWN	1562.063	1562.058	1562.066	9.903567	9.827283
14417	M1569T10	1.062501	-0.08746	-0.20148	0.846801	0.892075	DOWN	1569.071	1569.066	1569.074	9.960817	9.79535
14418	M338T9_3	1.067605	0.094378	0.199665	0.846837	0.892079	UP	337.7329	337.7324	337.7396	9.351292	9.264333
14419	M685T11	1.041417	0.058547	0.202948	0.846861	0.892082	UP	684.9124	684.911	684.9166	10.94603	10.84767

14420	M662T11_	1.036357	0.051522	0.199646	0.846862	0.892082	UP	662.064	662.0621	662.0658	10.7223	10.7046
14421	M343T7	1.060493	-0.08473	-0.19954	0.84688	0.892084	DOWN	342.8684	342.8682	342.8685	6.606917	6.531
14422	M267T20	1.023191	0.033076	0.199596	0.846911	0.892087	UP	267.2509	267.2507	267.251	20.24517	20.23017
14423	M171T10_	1.078386	0.108874	0.200109	0.846919	0.892088	UP	171.4095	171.4031	171.4103	9.952358	9.843367
14424	M471T14	1.054964	-0.07719	-0.19936	0.847004	0.892098	DOWN	471.3686	471.3682	471.3694	14.13973	14.12182
14425	M221T9_2	1.158831	0.21267	0.199187	0.847103	0.892109	UP	220.5311	220.5299	220.5315	9.202433	9.111033
14426	M677T10_	1.138676	-0.18736	-0.19933	0.847207	0.892121	DOWN	676.6577	676.6572	676.6582	9.830083	9.683817
14427	M202T9_9	1.073884	-0.10284	-0.19906	0.847209	0.892121	DOWN	202.1075	202.1069	202.1076	8.939367	8.8622
14428	M331T11_	1.039665	0.056119	0.199545	0.847253	0.892126	UP	330.972	330.9713	330.9725	10.90522	10.879
14429	M652T10_	1.040221	-0.05689	-0.19905	0.847292	0.892131	DOWN	652.4736	652.4728	652.4747	9.89445	9.779267
14430	M213T9_9	1.10854	0.148661	0.200183	0.847324	0.892134	UP	212.8611	212.855	212.8632	9.342833	9.132033
14431	M652T9_4	1.145179	0.195574	0.201334	0.847335	0.892136	UP	652.4328	652.4323	652.4334	9.415167	9.3261
14432	M289T11_	1.191835	0.253185	0.199047	0.84738	0.892141	UP	288.6621	288.662	288.6624	10.94853	10.88982
14433	M466T11_	1.058467	-0.08198	-0.19879	0.847467	0.892151	DOWN	466.4698	466.4639	466.4705	10.90343	10.87765
14434	M244T9_6	1.119039	0.162261	0.198618	0.847524	0.892157	UP	244.1067	244.1031	244.1076	9.13445	9.1175
14435	M334T10_	1.018099	-0.02588	-0.20361	0.847543	0.892159	DOWN	333.7498	333.7495	333.7504	9.8397	9.73145
14436	M212T9_1	1.074245	-0.10332	-0.1985	0.847631	0.892169	DOWN	212.1744	212.1729	212.1753	9.3494	9.1322
14437	M577T9_6	1.05878	0.082403	0.198572	0.847731	0.892181	UP	577.4888	577.4886	577.4889	9.227808	9.064833
14438	M292T10_	1.06141	-0.08598	-0.19947	0.847742	0.892182	DOWN	292.2854	292.285	292.2856	9.968992	9.859233
14439	M667T10	1.032093	-0.04557	-0.20021	0.847865	0.892196	DOWN	667.3372	667.3371	667.3387	10.39007	10.34542
14440	M350T40_	1.072711	-0.10126	-0.19953	0.847885	0.892198	DOWN	350.2171	350.2171	350.2172	40.35217	40.165
14441	M621T30	1.03748	0.053084	0.201255	0.847957	0.892206	UP	621.4183	621.4179	621.4185	30.27933	30.266
14442	M382T39_	1.02308	0.032919	0.199113	0.847991	0.89221	UP	382.2432	382.243	382.2436	38.7265	38.49667
14443	M1107T29	1.00355	0.005113	-0.19788	0.848086	0.892221	UP	1106.784	1106.782	1106.784	28.74825	28.68917
14444	M710T10_	1.045755	-0.06455	-0.19824	0.848121	0.892225	DOWN	710.2101	710.2098	710.2105	9.956417	9.859233
14445	M404T11_	1.041553	0.058736	0.198902	0.848136	0.892227	UP	404.1257	404.1256	404.1263	10.90522	10.879
14446	M636T10_	1.023317	-0.03325	-0.20192	0.848147	0.892228	DOWN	635.8917	635.891	635.8945	9.8397	9.715683
14447	M201T10_	1.04725	-0.06661	-0.19816	0.848154	0.892229	DOWN	201.2084	201.2083	201.2085	9.8207	9.715683
14448	M295T30_	1.020709	0.029571	0.197936	0.848194	0.892233	UP	295.2095	295.2094	295.2096	29.83392	29.81917
14449	M507T10_	1.046062	0.064968	0.199185	0.848233	0.892238	UP	507.3233	507.3116	507.3235	10.39823	10.31365
14450	M401T9_2	1.083923	0.116262	0.197566	0.848318	0.892247	UP	400.6426	400.642	400.6427	8.959467	8.924217
14451	M342T11_	1.271063	0.346035	0.199659	0.848349	0.892251	UP	342.2641	342.2634	342.2642	11.27619	11.24672
14452	M217T7_1	1.099338	-0.13663	-0.19787	0.848389	0.892255	DOWN	216.9225	216.9223	216.9226	7.439608	7.212433
14453	M271T11_	1.086264	0.119374	0.197441	0.848441	0.892261	UP	271.2732	271.2729	271.2733	10.88995	10.83572
14454	M334T12	1.022337	0.03187	0.197206	0.848632	0.892283	UP	334.1987	334.1987	334.1988	12.25237	12.23755

14455	M423T10_	1.20179	0.265185	0.197175	0.848696	0.89229	UP	422.9905	422.9904	422.9906	9.505267	9.40135
14456	M475T9_7	1.063343	0.088607	0.197988	0.84875	0.892296	UP	475.035	475.033	475.044	9.342167	9.2946
14457	M234T9_7	1.087087	-0.12047	-0.19695	0.848814	0.892303	DOWN	234.119	234.1098	234.1202	9.296325	9.1322
14458	M744T9_1	1.113203	-0.15472	-0.19686	0.848848	0.892307	DOWN	743.7422	743.7412	743.7423	9.3332	9.234417
14459	M535T11_	1.031281	-0.04444	-0.19775	0.848897	0.892313	DOWN	535.325	535.3246	535.3254	10.52067	10.51508
14460	M715T10_	1.040038	-0.05664	-0.19846	0.84896	0.89232	DOWN	715.3723	715.3713	715.3727	9.54585	9.46325
14461	M473T9_6	1.035078	-0.04974	-0.19678	0.849004	0.892325	DOWN	473.1835	473.1796	473.1854	9.311525	9.129317
14462	M525T9_1	1.125371	-0.1704	-0.19758	0.849116	0.892338	DOWN	524.5398	524.5373	524.5444	9.147367	9.12675
14463	M606T10_	1.067275	0.093932	0.200386	0.849185	0.892345	UP	606.3857	606.385	606.387	9.660158	9.58735
14464	M495T10_	1.048399	-0.06819	-0.1972	0.849195	0.892347	DOWN	494.9294	494.9284	494.9299	9.970617	9.8753
14465	M665T10_	1.035204	-0.04992	-0.19857	0.849197	0.892347	DOWN	664.6471	664.6452	664.6475	9.970617	9.8914
14466	M221T9_3	1.058085	-0.08145	-0.19929	0.849224	0.89235	DOWN	220.705	220.7043	220.7057	9.41815	9.310917
14467	M278T30	1.016059	-0.02298	-0.19636	0.849227	0.89235	DOWN	278.1828	278.1827	278.1829	29.83383	29.81917
14468	M270T11_	1.040765	0.057645	0.197351	0.849235	0.892351	UP	269.6613	269.6612	269.6614	10.89875	10.873
14469	M550T30	1.140678	-0.18989	-0.19639	0.849248	0.892353	DOWN	550.3428	550.3419	550.3438	30.27292	30.226
14470	M355T10_	1.016389	0.023452	0.200333	0.849301	0.892359	UP	355.3925	355.3921	355.3929	9.823575	9.715683
14471	M367T10_	1.034302	-0.04866	-0.19647	0.849318	0.89236	DOWN	366.6787	366.6782	366.6789	9.968992	9.859233
14472	M269T16	1.120594	0.164264	0.196192	0.849365	0.892366	UP	269.1896	269.1893	269.1902	15.98338	15.93622
14473	M199T9_7	1.076624	-0.10651	-0.19627	0.849404	0.89237	DOWN	199.2348	199.2339	199.2359	9.4023	9.23175
14474	M678T10_	1.07328	0.102026	0.196119	0.849424	0.892372	UP	677.8679	677.8619	677.8682	9.9926	9.802117
14475	M1414T11	1.05564	-0.07812	-0.19599	0.849537	0.892385	DOWN	1414.183	1414.182	1414.185	10.879	10.86253
14476	M618T30	1.04993	0.070293	0.199243	0.849542	0.892386	UP	618.4688	618.4685	618.4695	30.2805	30.2235
14477	M230T12_	1.038136	0.053995	0.200126	0.849579	0.89239	UP	230.1749	230.1748	230.1749	12.16532	12.13862
14478	M368T10_	1.068076	0.095015	0.196452	0.849663	0.892399	UP	368.3165	368.3161	368.3183	9.968992	9.824233
14479	M236T10_	1.048686	-0.06858	-0.19576	0.849689	0.892402	DOWN	235.9496	235.9495	235.9499	9.948875	9.843367
14480	M608T10_	1.046947	0.066189	0.200031	0.849771	0.892412	UP	608.2878	608.2861	608.2881	9.965892	9.843367
14481	M215T9_5	1.049548	-0.06977	-0.19609	0.849832	0.892419	DOWN	215.1254	215.1251	215.1256	8.926	8.88765
14482	M735T10_	1.054785	-0.07695	-0.19556	0.849849	0.89242	DOWN	734.8368	734.8364	734.8371	9.94785	9.843367
14483	M480T45	1.026699	-0.03801	-0.20149	0.849864	0.892422	DOWN	480.28	480.2799	480.2802	44.55958	44.48033
14484	M201T9_2	1.057858	-0.08115	-0.19666	0.849926	0.892429	DOWN	200.5774	200.5768	200.5779	9.365833	9.2946
14485	M638T10_	1.023858	0.034015	0.199873	0.850044	0.892442	UP	637.7496	637.749	637.7527	9.825492	9.715683
14486	M186T8	1.053968	0.075832	0.195547	0.850125	0.892452	UP	186.1849	186.1849	186.185	8.39415	8.224683
14487	M675T10_	1.129872	0.176159	0.195914	0.850182	0.892458	UP	675.4757	675.4755	675.4793	9.801833	9.5731
14488	M519T11	1.032113	-0.0456	-0.1993	0.850204	0.892461	DOWN	519.2468	519.2465	519.247	10.892	10.879
14489	M333T10_	1.055148	-0.07745	-0.19646	0.85064	0.89251	DOWN	332.7177	332.7173	332.7182	9.830283	9.715683

14490	M373T9_5	1.055507	-0.07794	-0.19839	0.850827	0.892531	DOWN	373.2333	373.233	373.2337	9.21385	9.023483
14491	M337T9_1	1.083829	0.116137	0.194393	0.851	0.89255	UP	337.0418	337.0415	337.0419	9.332617	9.235933
14492	M420T43_	1.0227	0.032383	0.194128	0.85103	0.892554	UP	420.2226	420.2224	420.2227	42.91283	42.52433
14493	M304T11_	1.089205	0.123276	0.195843	0.851031	0.892554	UP	304.0083	304.0078	304.0157	10.90765	10.873
14494	M763T36	1.031858	0.045245	0.193909	0.851088	0.89256	UP	762.5483	762.548	762.5494	35.927	35.906
14495	M417T19	1.024067	-0.03431	-0.19378	0.851174	0.89257	DOWN	417.2991	417.2988	417.2993	18.95683	18.95117
14496	M760T10_	1.061487	-0.08609	-0.19465	0.851227	0.892576	DOWN	759.5469	759.5463	759.5498	9.972917	9.859233
14497	M295T11_	1.064911	-0.09073	-0.19401	0.851309	0.892585	DOWN	294.8789	294.8779	294.8793	10.8926	10.85018
14498	M397T31_	1.046157	-0.0651	-0.19488	0.851358	0.892591	DOWN	397.405	397.4049	397.4054	31.1215	31.09067
14499	M319T10_	1.092502	0.127636	0.196392	0.851545	0.892612	UP	319.254	319.2536	319.2551	9.534667	9.447617
14500	M200T9_1	1.159807	-0.21388	-0.1934	0.85156	0.892613	DOWN	200.0731	200.0723	200.0741	9.206783	9.1175
14501	M701T21_	1.09241	-0.12751	-0.19388	0.851695	0.892629	DOWN	701.4935	701.4931	701.4938	21.33658	21.09917
14502	M853T10	1.044894	-0.06336	-0.19371	0.851734	0.892633	DOWN	853.4705	853.4692	853.4713	10.36157	10.32952
14503	M362T11_	1.080108	0.111175	0.193129	0.851751	0.892635	UP	362.0287	362.0285	362.0296	10.89839	10.87765
14504	M414T9_1	1.033545	0.047602	0.19348	0.851783	0.892639	UP	414.4036	414.4032	414.4136	9.250817	9.129317
14505	M568T44	1.048625	-0.0685	-0.19497	0.851916	0.892653	DOWN	568.3325	568.3324	568.3327	44.26467	44.14967
14506	M223T10_	1.049273	-0.06939	-0.19269	0.85202	0.892665	DOWN	223.3423	223.342	223.3423	9.853633	9.772833
14507	M215T10_	1.040363	-0.05709	-0.19477	0.852078	0.892672	DOWN	214.6918	214.6915	214.6918	9.965717	9.843367
14508	M635T10_	1.039479	-0.05586	-0.1926	0.852087	0.892673	DOWN	635.4784	635.4769	635.4804	9.830733	9.62055
14509	M318T28_	1.031276	0.04443	0.193353	0.852092	0.892673	UP	318.3274	318.3272	318.3275	28.12767	28.11283
14510	M448T10_	1.047261	0.066621	0.192498	0.852221	0.892688	UP	447.8951	447.8948	447.8955	9.964092	9.843367
14511	M672T10_	1.023474	0.033474	0.192378	0.852296	0.892696	UP	672.4681	672.4674	672.4691	10.26148	10.21468
14512	M329T21_	1.059747	0.08372	0.192924	0.852423	0.89271	UP	329.2796	329.2796	329.2799	21.37008	21.363
14513	M566T44	1.046148	0.065086	0.197367	0.852459	0.892715	UP	566.3169	566.3167	566.3171	44.40842	44.10667
14514	M443T14	1.031287	-0.04445	-0.19279	0.852505	0.89272	DOWN	443.3263	443.326	443.3267	13.52847	13.49275
14515	M404T9_3	1.056052	0.078681	0.1925	0.852632	0.892734	UP	403.8621	403.8618	403.8627	8.963	8.892117
14516	M330T9_6	1.073324	0.102085	0.197772	0.852712	0.892743	UP	329.7428	329.7421	329.7432	9.279867	9.132267
14517	M451T10_	1.068636	0.09577	0.19183	0.852713	0.892743	UP	450.9266	450.9263	450.9267	9.960817	9.859233
14518	M620T41	1.038168	0.05404	0.197731	0.852717	0.892743	UP	620.3641	620.3639	620.3643	40.68317	40.53917
14519	M537T10_	1.112677	0.154035	0.191969	0.852798	0.892753	UP	536.6298	536.6295	536.6302	9.956867	9.8914
14520	M556T11_	1.04203	0.059396	0.195922	0.852832	0.892756	UP	555.5407	555.5382	555.5423	10.91797	10.8646
14521	M337T9_1	1.075538	-0.10506	-0.19236	0.852965	0.892771	DOWN	337.0966	337.0956	337.1012	9.205717	9.110833
14522	M195T9_3	1.151537	-0.20356	-0.19129	0.853162	0.892793	DOWN	194.6152	194.6146	194.6159	9.224517	9.132267
14523	M310T9_5	1.075935	0.105591	0.195709	0.8532	0.892798	UP	309.9907	309.9898	309.9942	9.202433	9.095133
14524	M249T10_	1.089048	0.123067	0.191189	0.853213	0.892799	UP	249.0994	249.0988	249.0995	9.960817	9.8753

14525	M505T9_2	1.073332	0.102096	0.192119	0.853259	0.892804	UP	504.6117	504.6099	504.6148	9.280767	9.174883
14526	M725T9_1	1.077533	-0.10773	-0.19107	0.853329	0.892812	DOWN	724.5221	724.5216	724.5314	9.133667	9.1178
14527	M377T10_	1.065565	-0.09162	-0.19491	0.853372	0.892817	DOWN	376.9717	376.9713	376.9741	9.924383	9.8378
14528	M470T9_5	1.077368	0.107511	0.193732	0.853391	0.892819	UP	470.238	470.2371	470.2384	9.286283	9.11405
14529	M729T11_	1.04204	-0.05941	-0.1912	0.853598	0.892842	DOWN	729.4781	729.4778	729.4796	10.83252	10.8214
14530	M251T9_4	1.05123	0.072078	0.190767	0.853637	0.892847	UP	250.8463	250.846	250.8465	8.876975	8.712633
14531	M211T10_	1.057438	0.080573	0.192151	0.853896	0.892876	UP	210.6096	210.6019	210.6099	9.82925	9.699733
14532	M430T10_	1.046913	-0.06614	-0.1912	0.853994	0.892887	DOWN	429.7399	429.7399	429.7403	9.75805	9.636483
14533	M707T30	1.063195	-0.08841	-0.1915	0.854011	0.892889	DOWN	706.5218	706.5207	706.5223	30.26467	30.23717
14534	M299T42_	1.020903	0.029846	0.190422	0.854181	0.892908	UP	299.1487	299.1486	299.1489	41.9635	41.906
14535	M401T18	1.05657	0.079388	0.192836	0.854225	0.892912	UP	401.2643	401.2641	401.2759	17.975	17.845
14536	M225T41	1.032491	0.046129	0.189754	0.854228	0.892913	UP	225.1483	225.1481	225.1484	40.9565	40.84133
14537	M462T10_	1.049991	0.070377	0.191018	0.854291	0.89292	UP	462.3486	462.3484	462.349	9.633442	9.510117
14538	M335T10_	1.050536	-0.07113	-0.19098	0.854296	0.89292	DOWN	334.9674	334.967	334.9675	9.970617	9.859233
14539	M548T9_3	1.093164	-0.12851	-0.19183	0.854467	0.89294	DOWN	547.8689	547.8631	547.8696	9.190317	9.110833
14540	M397T20	1.067939	0.09483	0.190358	0.854652	0.89296	UP	396.5962	396.596	396.5964	20.24483	20.23017
14541	M245T10_	1.05423	0.076189	0.189241	0.854683	0.892964	UP	244.9121	244.9119	244.9123	9.972917	9.859233
14542	M485T19	1.049888	-0.07024	-0.18947	0.854684	0.892964	DOWN	485.3925	485.392	485.3933	18.76875	18.74517
14543	M241T10_	1.038205	-0.05409	-0.19149	0.854685	0.892964	DOWN	240.7884	240.7879	240.7888	9.967533	9.8753
14544	M602T9_3	1.100563	-0.13824	-0.19031	0.854691	0.892965	DOWN	601.808	601.807	601.8085	9.161683	9.1158
14545	M399T44_	1.012548	-0.01799	-0.19044	0.854695	0.892965	DOWN	399.2375	399.2371	399.2377	44.09233	43.89067
14546	M341T10_	1.154374	0.207111	0.189238	0.854698	0.892965	UP	340.566	340.5629	340.5666	9.80415	9.758367
14547	M429T22_	1.063487	-0.0888	-0.18915	0.85471	0.892967	DOWN	428.7012	428.7008	428.7018	21.58017	21.5535
14548	M646T11_	1.025199	0.035903	0.190153	0.854713	0.892967	UP	645.5903	645.5899	645.5907	11.49657	11.47593
14549	M376T11_	1.026674	-0.03798	-0.18912	0.854754	0.892972	DOWN	376.125	376.1249	376.1253	10.892	10.8646
14550	M675T10_	1.076068	-0.10577	-0.18928	0.854824	0.89298	DOWN	674.5319	674.5308	674.5327	9.8207	9.715683
14551	M634T11_	1.047066	0.066353	0.188842	0.854982	0.892997	UP	633.7209	633.7201	633.7214	10.88982	10.83572
14552	M438T9_4	1.052449	-0.07375	-0.19082	0.854994	0.892999	DOWN	437.8922	437.8921	437.8931	8.839967	8.75965
14553	M363T11_	1.097766	-0.13457	-0.18908	0.85506	0.893006	DOWN	363.2885	363.2838	363.2938	11.24178	11.18397
14554	M621T21_	1.053588	0.075311	0.190941	0.855205	0.893022	UP	621.4184	621.418	621.4188	20.85958	20.83783
14555	M350T9_9	1.033608	0.047688	0.19099	0.855234	0.893025	UP	350.1866	350.1865	350.1869	8.757308	8.686867
14556	M544T9_1	1.078424	0.108925	0.19007	0.855365	0.89304	UP	544.217	544.2156	544.2175	9.212775	9.142767
14557	M228T10_	1.035965	0.050975	0.188081	0.855496	0.893055	UP	228.3142	228.3133	228.3144	9.831142	9.715683
14558	M201T9_5	1.07738	-0.10753	-0.18793	0.855632	0.89307	DOWN	200.6411	200.6401	200.6422	9.235933	9.11795
14559	M553T10_	1.047056	0.066339	0.191541	0.855651	0.893072	UP	553.4172	553.4168	553.4177	9.939575	9.827283



14560	M896T11_	1.063343	-0.08861	-0.19177	0.855717	0.893079	DOWN	896.3552	896.3548	896.357	10.93468	10.88747
14561	M524T13	1.040622	0.057446	0.188665	0.855747	0.893083	UP	524.1799	524.1792	524.1806	12.61823	12.6165
14562	M350T10_	1.040575	-0.05738	-0.18885	0.855771	0.893085	DOWN	349.8842	349.8838	349.8857	9.968992	9.859233
14563	M891T10_	1.087766	-0.12137	-0.18798	0.855772	0.893085	DOWN	891.1612	891.1606	891.1621	9.900833	9.874067
14564	M403T9_3	1.051469	-0.07241	-0.18837	0.855917	0.893102	DOWN	402.9367	402.936	402.9369	9.434192	9.340183
14565	M595T11_	1.049417	0.069588	0.187697	0.855938	0.893104	UP	595.407	595.4064	595.4073	11.48899	11.48188
14566	M593T10_	1.05628	0.078992	0.191444	0.855943	0.893105	UP	592.95	592.9487	592.9504	9.887133	9.79535
14567	M279T10_	1.093357	0.128765	0.18933	0.855948	0.893105	UP	278.7257	278.7254	278.7261	9.9677	9.859233
14568	M1845T10	1.039823	-0.05634	-0.18789	0.856015	0.893113	DOWN	1844.79	1844.787	1844.794	9.830083	9.7124
14569	M422T12	1.050291	-0.07079	-0.18961	0.856031	0.893114	DOWN	422.1685	422.1681	422.1693	11.60201	11.59007
14570	M201T9_1	1.057011	0.07999	0.187496	0.856042	0.893116	UP	200.5116	200.5114	200.5125	9.330158	9.275917
14571	M233T10_	1.059893	-0.08392	-0.18734	0.856092	0.893121	DOWN	233.4226	233.4224	233.4227	9.975217	9.8753
14572	M602T10_	1.037202	-0.0527	-0.18733	0.856115	0.893124	DOWN	601.6684	601.668	601.6687	9.94785	9.843367
14573	M346T11_	1.091391	0.126168	0.190679	0.856147	0.893127	UP	346.2012	346.2009	346.2014	10.93382	10.90553
14574	M387T10_	1.097109	0.133707	0.188325	0.85632	0.893147	UP	387.265	387.2609	387.2707	9.970617	9.853533
14575	M326T10_	1.055115	-0.0774	-0.18724	0.856395	0.893155	DOWN	326.3619	326.3618	326.3627	9.839008	9.79065
14576	M567T9_4	1.030215	0.042946	0.187747	0.856543	0.893171	UP	567.364	567.3636	567.3677	8.930317	8.803967
14577	M929T23	1.19688	0.259279	0.186735	0.856583	0.893176	UP	928.6543	928.654	928.6543	22.69883	22.69767
14578	M168T10_	1.051835	-0.07291	-0.18977	0.856745	0.893194	DOWN	168.2116	168.2059	168.2117	9.942317	9.811217
14579	M363T31	1.076879	-0.10686	-0.18644	0.856818	0.893202	DOWN	362.7991	362.7988	362.7994	31.35092	31.325
14580	M310T10_	1.057858	-0.08115	-0.18659	0.856836	0.893204	DOWN	309.7389	309.7388	309.739	9.958617	9.843367
14581	M324T10_	1.06031	0.084486	0.186339	0.857045	0.893227	UP	323.5944	323.5942	323.5947	9.964167	9.843367
14582	M1918T10	1.03435	0.048724	0.18697	0.857112	0.893235	UP	1917.755	1917.754	1917.757	9.972917	9.8753
14583	M184T10_	1.081448	-0.11296	-0.18589	0.857239	0.893249	DOWN	183.7842	183.784	183.7843	9.891175	9.811217
14584	M327T10_	1.046251	0.065229	0.187867	0.857412	0.893268	UP	327.0062	326.9997	327.0067	9.983467	9.840617
14585	M712T10_	1.018825	-0.02691	-0.18736	0.857423	0.893269	DOWN	712.2828	712.2824	712.2833	9.8397	9.73145
14586	M600T10_	1.032783	-0.04654	-0.18531	0.857604	0.893289	DOWN	599.8871	599.8865	599.8873	9.945258	9.843367
14587	M847T11_	1.039397	0.055747	0.18562	0.857614	0.893291	UP	847.4594	847.4592	847.46	10.67309	10.604
14588	M432T23	1.0222	-0.03168	-0.18696	0.857617	0.893291	DOWN	432.2375	432.2374	432.2379	22.84317	22.82817
14589	M244T24	1.0184	-0.0263	-0.18531	0.857734	0.893304	DOWN	244.2633	244.2632	244.2634	24.30433	24.29083
14590	M537T10_	1.032282	-0.04584	-0.185	0.857844	0.893316	DOWN	536.7875	536.787	536.7887	9.924267	9.827283
14591	M542T12	1.038004	0.053811	0.185785	0.857903	0.893323	UP	542.3756	542.3753	542.3762	11.63592	11.61933
14592	M1947T10	1.055469	-0.07788	-0.18864	0.857952	0.893328	DOWN	1946.623	1946.622	1946.629	9.821308	9.7124
14593	M227T9_1	1.055606	0.078071	0.184918	0.857967	0.89333	UP	226.5445	226.5414	226.5446	9.329083	9.17485
14594	M630T37	1.040928	0.05787	0.18491	0.858033	0.893337	UP	630.4687	630.4681	630.47	36.57583	36.55367

14595	M532T38	1.051094	0.071891	0.190242	0.858164	0.893352	UP	532.3114	532.3112	532.3115	37.59692	37.446
14596	M200T9_2	1.065693	0.091792	0.187556	0.858171	0.893352	UP	200.2828	200.2818	200.2832	9.387042	9.18975
14597	M225T42_	1.03723	-0.05274	-0.18605	0.858226	0.893359	DOWN	225.1483	225.1481	225.1483	42.43833	42.4235
14598	M351T11_	1.026321	0.037482	0.184521	0.85824	0.89336	UP	350.5239	350.5238	350.5245	10.89875	10.879
14599	M385T9_1	1.03921	-0.05549	-0.18472	0.85832	0.893369	DOWN	384.5819	384.5816	384.582	8.848167	8.75965
14600	M627T10_	1.023346	-0.03329	-0.185	0.858477	0.893386	DOWN	627.2853	627.2849	627.2857	9.943183	9.827283
14601	M355T42_	1.059878	0.083898	0.186219	0.858611	0.893401	UP	355.2113	355.2111	355.2114	41.79783	41.71783
14602	M338T10_	1.036218	-0.05133	-0.18406	0.858689	0.89341	DOWN	337.7832	337.7827	337.7833	9.972917	9.859233
14603	M244T11_	1.070314	-0.09803	-0.18384	0.858744	0.893416	DOWN	244.2698	244.2696	244.2699	10.89133	10.86008
14604	M316T15	1.160564	-0.21483	-0.1839	0.858785	0.893421	DOWN	316.1985	316.198	316.1988	15.41698	15.32358
14605	M235T11_	1.028619	-0.04071	-0.18376	0.858787	0.893421	DOWN	235.1767	235.1763	235.177	11.49637	11.46817
14606	M243T10_	1.044859	-0.06331	-0.18536	0.858836	0.893426	DOWN	243.0874	243.0871	243.0876	10.07923	9.971833
14607	M371T9_2	1.081499	-0.11303	-0.18629	0.858856	0.893428	DOWN	370.9805	370.9805	370.9809	9.432533	9.38595
14608	M493T9_3	1.053904	-0.07574	-0.18362	0.858882	0.893431	DOWN	493.2925	493.2911	493.2992	9.193283	9.102033
14609	M277T20	1.069927	0.097512	0.184143	0.859002	0.893445	UP	277.1766	277.1765	277.1769	20.339	20.20167
14610	M398T10_	1.048649	0.068532	0.183666	0.859052	0.89345	UP	398.3341	398.3334	398.3344	9.972917	9.859233
14611	M328T10_	1.013948	0.019984	0.184035	0.85908	0.893453	UP	327.5458	327.5457	327.5461	9.8207	9.715683
14612	M174T10_	1.034909	-0.0495	-0.18415	0.859103	0.893456	DOWN	174.388	174.3874	174.3881	9.914108	9.811217
14613	M315T44	1.022732	0.032429	0.187698	0.85918	0.893464	UP	315.18	315.18	315.1801	44.21867	44.164
14614	M402T30	1.049322	0.069458	0.186673	0.859221	0.893469	UP	402.2901	402.2897	402.2903	30.152	30.15067
14615	M478T10_	1.072506	0.100986	0.184687	0.859241	0.893471	UP	477.9408	477.9403	477.9411	9.968992	9.859233
14616	M1129T10	1.038603	-0.05464	-0.18317	0.859259	0.893473	DOWN	1129.364	1129.362	1129.37	9.79995	9.715683
14617	M332T43	1.045668	0.064424	0.183769	0.85927	0.893474	UP	332.1702	332.1701	332.1704	43.30125	42.99933
14618	M455T15	1.053224	0.074813	0.185996	0.859313	0.893479	UP	454.8501	454.8496	454.8507	15.18269	15.14695
14619	M311T10_	1.090986	0.125633	0.187948	0.859318	0.89348	UP	311.4668	311.4664	311.4674	9.77435	9.6681
14620	M613T10_	1.050661	0.071298	0.184561	0.859323	0.89348	UP	613.3368	613.336	613.3373	9.956417	9.859233
14621	M219T11_	1.026077	0.037138	0.183009	0.859344	0.893483	UP	218.7588	218.7587	218.7589	10.89875	10.879
14622	M277T11_	1.028531	-0.04059	-0.18331	0.859365	0.893485	DOWN	276.769	276.7688	276.7691	10.892	10.8646
14623	M427T9_3	1.065378	-0.09137	-0.18298	0.859371	0.893485	DOWN	427.2989	427.2978	427.2997	9.358417	9.280767
14624	M273T25	1.023747	-0.03386	-0.18328	0.859398	0.893488	DOWN	273.2977	273.2975	273.2979	24.7685	24.76717
14625	M398T42_	1.01056	-0.01515	-0.18766	0.859418	0.893491	DOWN	398.3626	398.3624	398.3628	41.61808	41.60383
14626	M452T10_	1.018254	-0.0261	-0.1835	0.859422	0.893491	DOWN	452.3594	452.3592	452.3597	9.871467	9.7634
14627	M684T10_	1.06494	-0.09077	-0.18345	0.859462	0.893496	DOWN	684.1788	684.1785	684.1796	9.944392	9.843367
14628	M307T11	1.022585	0.03222	0.182827	0.859485	0.893498	UP	306.8861	306.8858	306.8869	10.90519	10.879
14629	M511T9_4	1.084453	0.116968	0.183922	0.85955	0.893505	UP	511.289	511.2879	511.2895	8.97035	8.77435

14630	M219T9_8	1.067716	-0.09453	-0.18298	0.859571	0.893508	DOWN	219.1331	219.1308	219.1341	9.399967	9.2585
14631	M621T20	1.035234	0.049957	0.184665	0.859587	0.893509	UP	621.4383	621.4373	621.4388	20.433	20.3745
14632	M361T11_	1.028904	0.041108	0.183838	0.859666	0.893518	UP	361.3509	361.3506	361.3521	10.90519	10.879
14633	M592T10_	1.027689	0.039404	0.183277	0.859669	0.893518	UP	592.3264	592.3259	592.3266	9.958617	9.843367
14634	M609T9_2	1.064042	-0.08956	-0.18282	0.859761	0.893529	DOWN	608.7927	608.7887	608.7934	9.182067	9.1445
14635	M773T10_	1.03492	-0.04952	-0.18253	0.859771	0.89353	DOWN	773.4334	773.4327	773.4341	10.45352	10.40807
14636	M248T9_3	1.026907	0.038306	0.184557	0.85982	0.893535	UP	248.2467	248.2466	248.2468	8.749758	8.6529
14637	M406T44_	1.066619	-0.09305	-0.18234	0.859852	0.893539	DOWN	406.2069	406.2068	406.2071	44.20717	44.049
14638	M761T36	1.044321	-0.06256	-0.18234	0.859889	0.893543	DOWN	760.5419	760.5415	760.5424	35.92033	35.895
14639	M211T11_	1.039215	-0.05549	-0.18232	0.859908	0.893545	DOWN	211.0741	211.0738	211.0745	10.90659	10.873
14640	M632T10_	1.038667	0.054733	0.182493	0.860198	0.893577	UP	632.3148	632.3133	632.3152	9.984083	9.8753
14641	M612T11_	1.035343	-0.05011	-0.18424	0.860331	0.893592	DOWN	612.3411	612.3405	612.3414	10.87708	10.86008
14642	M166T10_	1.091416	-0.1262	-0.18257	0.860364	0.893595	DOWN	165.5734	165.5733	165.5738	9.960892	9.859233
14643	M636T10_	1.131085	0.177708	0.184661	0.860424	0.893602	UP	635.9339	635.932	635.9363	9.801833	9.7124
14644	M161T9_2	1.098074	0.134975	0.18287	0.86043	0.893603	UP	161.2492	161.2487	161.2498	9.348233	9.219483
14645	M269T24	1.104582	0.1435	0.187422	0.86044	0.893604	UP	269.2302	269.23	269.2302	23.52167	23.49717
14646	M354T11_	1.032606	-0.04629	-0.18165	0.860483	0.893609	DOWN	354.2413	354.241	354.2416	10.892	10.873
14647	M969T11_	1.036761	-0.05208	-0.18216	0.860507	0.893611	DOWN	969.2925	969.2918	969.2933	10.89728	10.879
14648	M363T10_	1.152473	0.204733	0.183862	0.860512	0.893612	UP	363.2601	363.2601	363.2603	9.816267	9.743667
14649	M478T10_	1.054057	-0.07595	-0.18328	0.860513	0.893612	DOWN	477.7379	477.7374	477.738	9.513858	9.4632
14650	M506T17	1.024249	-0.03457	-0.18175	0.860539	0.893615	DOWN	506.3946	506.3943	506.395	17.05192	17.0145
14651	M310T11_	1.045217	0.063802	0.181444	0.860539	0.893615	UP	310.086	310.0855	310.0867	10.93338	10.873
14652	M373T19	1.060254	0.08441	0.184204	0.860791	0.893643	UP	373.2677	373.2674	373.2679	19.47525	19.428
14653	M308T10_	1.015867	-0.02271	-0.18378	0.860826	0.893646	DOWN	308.0766	308.0764	308.0768	9.901375	9.79535
14654	M350T10_	1.03953	-0.05593	-0.181	0.860885	0.893653	DOWN	350.2061	350.2059	350.2064	9.8207	9.699733
14655	M542T10_	1.075167	-0.10456	-0.18225	0.860987	0.893664	DOWN	542.3927	542.3925	542.3932	9.946367	9.8753
14656	M623T18	1.048484	0.068304	0.180987	0.861021	0.893668	UP	623.0729	623.0722	623.0733	18.02567	18.011
14657	M1735T10	1.042809	-0.06047	-0.18583	0.861025	0.893668	DOWN	1734.79	1734.789	1734.796	9.929133	9.827283
14658	M203T11_	1.065345	0.09132	0.18122	0.861039	0.89367	UP	203.4536	203.4486	203.4537	10.89125	10.879
14659	M386T14	1.038712	0.054795	0.18152	0.861088	0.893675	UP	385.7832	385.7825	385.7834	13.68302	13.66818
14660	M568T9_6	1.017664	0.025262	0.183301	0.861164	0.893684	UP	568.4427	568.4418	568.4433	9.166542	9.0864
14661	M302T22	1.02823	0.040163	0.182169	0.861215	0.893689	UP	302.2686	302.2683	302.2686	22.15692	22.15217
14662	M334T10_	1.08987	-0.12416	-0.18286	0.861406	0.89371	DOWN	334.172	334.1719	334.1725	9.816267	9.699733
14663	M165T10_	1.092933	0.128205	0.180864	0.861528	0.893724	UP	165.4531	165.4528	165.4532	9.946467	9.859233
14664	M233T11_	1.027762	-0.03951	-0.18077	0.861612	0.893733	DOWN	232.569	232.5689	232.5693	10.892	10.879

14665	M599T30	1.038407	-0.05437	-0.18114	0.861647	0.893737	DOWN	599.4363	599.4358	599.4367	30.27408	30.2515
14666	M506T10_	1.050359	0.070883	0.179863	0.861882	0.893763	UP	506.4542	506.4534	506.4546	9.968992	9.859233
14667	M410T11_	1.030625	-0.04352	-0.1816	0.861921	0.893767	DOWN	410.3091	410.3085	410.3092	11.09573	11.06297
14668	M311T24_	1.130487	-0.17694	-0.17989	0.861922	0.893767	DOWN	311.1573	311.1569	311.1578	24.20083	24.1705
14669	M490T11_	1.026978	0.038405	0.179678	0.861967	0.893772	UP	490.0287	490.0283	490.029	10.90519	10.879
14670	M414T10_	1.038248	-0.05415	-0.17942	0.862076	0.893784	DOWN	414.2992	414.2989	414.2997	10.18999	10.10142
14671	M380T24	1.026732	-0.03806	-0.18038	0.862203	0.893798	DOWN	380.2944	380.2942	380.2948	24.37767	24.34717
14672	M1349T10	1.070919	0.098849	0.179363	0.862265	0.893805	UP	1349.112	1349.111	1349.115	9.968992	9.859233
14673	M896T10	1.026319	-0.03748	-0.1792	0.862269	0.893805	DOWN	895.7152	895.7149	895.7155	9.931875	9.827283
14674	M567T10_	1.040234	-0.05691	-0.17914	0.862353	0.893815	DOWN	567.2983	567.297	567.2991	9.6694	9.541483
14675	M369T9_4	1.045933	-0.06479	-0.18049	0.862356	0.893815	DOWN	369.2868	369.2866	369.2871	9.00395	8.978067
14676	M155T10_	1.049776	-0.07008	-0.17949	0.862358	0.893815	DOWN	154.8502	154.8499	154.8552	9.932033	9.811217
14677	M753T30	1.044946	0.063429	0.179951	0.862458	0.893826	UP	753.4973	753.4966	753.4984	30.23733	30.20917
14678	M372T11_	1.025787	0.036731	0.178745	0.862611	0.893843	UP	372.2656	372.2652	372.266	10.89923	10.88747
14679	M600T9_1	1.032409	-0.04601	-0.179	0.862688	0.893852	DOWN	600.2096	600.2084	600.2135	9.320067	9.219483
14680	M245T24	1.022008	-0.03141	-0.17898	0.86269	0.893852	DOWN	245.2665	245.2665	245.2666	24.30658	24.28867
14681	M354T10_	1.043205	0.061023	0.178617	0.862751	0.893858	UP	354.0867	354.0789	354.087	9.830283	9.715683
14682	M460T10_	1.111665	0.152722	0.178676	0.862875	0.893872	UP	459.6686	459.6682	459.6691	9.9754	9.964417
14683	M314T9_4	1.152022	-0.20417	-0.17823	0.863045	0.893891	DOWN	313.7425	313.7423	313.7426	9.3946	9.26575
14684	M1023T18	1.033203	-0.04712	-0.18118	0.863182	0.893906	DOWN	1022.502	1022.502	1022.503	17.57133	17.5255
14685	M242T11_	1.04499	0.063489	0.178182	0.863249	0.893913	UP	242.4193	242.419	242.4196	10.9062	10.82935
14686	M331T10_	1.097651	0.13442	0.177828	0.86328	0.893917	UP	330.9823	330.9809	330.9824	9.946367	9.858833
14687	M335T11_	1.030501	0.043345	0.181953	0.863292	0.893918	UP	334.7609	334.7607	334.762	10.90551	10.88747
14688	M489T9_1	1.066708	0.093165	0.179543	0.863294	0.893918	UP	489.0482	489.0479	489.0484	9.33515	9.18975
14689	M203T11_	1.028461	-0.04049	-0.17785	0.863368	0.893926	DOWN	203.0857	203.0856	203.0874	10.89875	10.873
14690	M849T36	1.049523	-0.06973	-0.17769	0.863384	0.893928	DOWN	848.5947	848.5944	848.595	35.5745	35.56017
14691	M357T43_	1.034568	0.049029	0.178296	0.863396	0.893929	UP	357.1907	357.1906	357.1907	43.359	43.31567
14692	M811T34	1.071699	-0.0999	-0.17769	0.863396	0.893929	DOWN	810.5579	810.5576	810.5581	34.13792	34.11683
14693	M1571T10	1.05628	-0.07899	-0.17794	0.863412	0.893931	DOWN	1570.51	1570.509	1570.51	9.903567	9.79535
14694	M357T14_	1.034785	0.049331	0.177525	0.863512	0.893942	UP	357.2744	357.2742	357.2746	14.30473	14.2961
14695	M704T33	1.035224	-0.04994	-0.17744	0.863595	0.893951	DOWN	703.5033	703.5026	703.5037	33.47033	33.45583
14696	M274T10_	1.027467	-0.03909	-0.17734	0.86367	0.89396	DOWN	274.2241	274.2177	274.2245	9.884917	9.636567
14697	M561T30_	1.052553	-0.07389	-0.17727	0.863724	0.893965	DOWN	561.4041	561.4038	561.4047	29.57617	29.57433
14698	M221T10_	1.104369	0.143222	0.178087	0.863736	0.893967	UP	221.4748	221.4747	221.4768	9.869467	9.816167
14699	M680T45_	1.043518	0.061455	0.179112	0.863754	0.893969	UP	680.3856	680.3851	680.3858	44.56683	44.4085

14700	M1216T10	1.022814	-0.03254	-0.17761	0.863805	0.893974	DOWN	1215.694	1215.693	1215.695	10.03818	9.955733
14701	M834T19_	1.129561	0.175762	0.17789	0.863876	0.893982	UP	834.4421	834.4411	834.4427	18.72517	18.7035
14702	M429T9_7	1.067343	-0.09402	-0.18177	0.86407	0.894003	DOWN	429.3269	429.3267	429.3276	9.225883	9.11405
14703	M274T11_	1.067282	-0.09394	-0.17662	0.864199	0.894017	DOWN	274.287	274.2861	274.2874	10.8926	10.88995
14704	M408T11_	1.051602	-0.07259	-0.17667	0.864206	0.894018	DOWN	408.4358	408.435	408.4362	10.92104	10.88995
14705	M286T27	1.030879	-0.04388	-0.17684	0.864223	0.89402	DOWN	286.3101	286.3097	286.3104	26.526	26.52067
14706	M215T11_	1.052042	0.073192	0.176655	0.864249	0.894023	UP	215.0258	215.0256	215.0265	10.90553	10.88995
14707	M199T9_3	1.062018	-0.08681	-0.17679	0.864257	0.894024	DOWN	198.924	198.9236	198.9247	9.369958	9.126783
14708	M173T10_	1.057052	0.080047	0.17793	0.864266	0.894025	UP	173.0386	173.0385	173.0387	9.82645	9.728083
14709	M228T11_	1.03577	-0.0507	-0.17793	0.86447	0.894047	DOWN	227.9751	227.9749	227.9753	10.90197	10.8646
14710	M446T41_	1.070022	-0.09764	-0.17657	0.864522	0.894053	DOWN	446.2383	446.238	446.2385	41.02833	40.7695
14711	M369T10_	1.018324	-0.0262	-0.17634	0.864568	0.894058	DOWN	369.2386	369.2384	369.2386	9.954767	9.843367
14712	M296T10_	1.061697	0.086372	0.178852	0.86458	0.894059	UP	296.2139	296.2135	296.2143	9.975217	9.8753
14713	M222T10_	1.05461	0.076709	0.177715	0.864728	0.894075	UP	221.7758	221.7729	221.7759	9.951283	9.843367
14714	M348T3_1	1.077439	-0.10761	-0.1761	0.864766	0.89408	DOWN	347.7504	347.7503	347.7505	3.36855	3.2634
14715	M305T9_5	1.025533	0.036374	0.178893	0.864791	0.894082	UP	305.1569	305.1568	305.1576	8.654933	8.5728
14716	M484T23	1.039383	-0.05573	-0.17711	0.864794	0.894083	DOWN	483.8313	483.831	483.8319	22.50267	22.48783
14717	M702T10_	1.033152	0.047052	0.176466	0.864804	0.894084	UP	702.1109	702.1107	702.111	9.804217	9.699733
14718	M678T11_	1.033783	0.047934	0.175856	0.864825	0.894086	UP	678.4769	678.4765	678.477	10.90977	10.85838
14719	M398T11_	1.044437	-0.06273	-0.17615	0.864846	0.894088	DOWN	397.9495	397.9433	397.95	10.89133	10.873
14720	M253T11_	1.04126	-0.05833	-0.17607	0.864883	0.894092	DOWN	253.3522	253.3519	253.3528	10.92828	10.87765
14721	M434T26	1.051461	-0.0724	-0.17661	0.86498	0.894103	DOWN	434.383	434.3827	434.3838	25.80683	25.782
14722	M1508T11	1.026729	-0.03806	-0.17739	0.865006	0.894106	DOWN	1508.293	1508.292	1508.299	10.89875	10.879
14723	M301T11_	1.025697	-0.0366	-0.17617	0.865034	0.894109	DOWN	300.8141	300.814	300.8142	10.90551	10.879
14724	M1022T9	1.050304	-0.07081	-0.17588	0.865035	0.894109	DOWN	1021.864	1021.862	1021.865	9.49985	9.416817
14725	M254T10_	1.070446	0.098212	0.176134	0.865069	0.894113	UP	254.3825	254.3823	254.383	9.517967	9.4632
14726	M421T11_	1.043976	0.062089	0.18078	0.865091	0.894115	UP	421.1657	421.1653	421.1658	10.92731	10.879
14727	M691T10	1.050132	-0.07057	-0.17584	0.865322	0.89414	DOWN	690.8201	690.8195	690.8221	9.82645	9.73145
14728	M316T44	1.021343	-0.03047	-0.17486	0.865546	0.894165	DOWN	316.1752	316.1751	316.1755	43.86925	43.8045
14729	M214T9_1	1.056023	-0.07864	-0.17519	0.865583	0.894169	DOWN	214.321	214.3202	214.3221	9.296708	9.132267
14730	M1211T10	1.058305	0.081756	0.174849	0.865738	0.894186	UP	1211.065	1211.063	1211.067	9.960817	9.859233
14731	M631T10_	1.086154	0.119229	0.176316	0.865778	0.89419	UP	630.9357	630.935	630.9367	9.979342	9.859233
14732	M413T32_	1.061667	-0.08633	-0.17683	0.865814	0.894194	DOWN	413.3086	413.3083	413.3091	32.027	31.998
14733	M524T39_	1.046885	0.066102	0.179883	0.865861	0.894199	UP	524.3061	524.306	524.3063	39.23383	39.07183
14734	M911T27	1.040155	0.056798	0.175905	0.865875	0.894201	UP	910.5854	910.585	910.5857	27.26933	27.21333

14735	M271T10_	1.038359	-0.05431	-0.17671	0.865915	0.894205	DOWN	271.1353	271.1349	271.1359	9.958617	9.843367
14736	M1352T10	1.07164	0.099821	0.174724	0.865979	0.894212	UP	1351.919	1351.917	1351.921	9.970617	9.859233
14737	M615T21	1.050207	-0.07067	-0.17702	0.866117	0.894227	DOWN	615.4512	615.4501	615.4513	20.74033	20.73667
14738	M357T10_	1.14015	-0.18922	-0.17479	0.866152	0.894231	DOWN	356.6875	356.6867	356.6879	9.8184	9.715683
14739	M205T11_	1.024914	-0.0355	-0.1751	0.866158	0.894232	DOWN	204.6645	204.6644	204.6646	11.49505	11.47593
14740	M346T9_1	1.054456	-0.0765	-0.17409	0.866177	0.894234	DOWN	345.5741	345.5737	345.5745	8.81705	8.715883
14741	M765T10_	1.037516	0.053134	0.173718	0.866406	0.894259	UP	765.4174	765.4162	765.4179	10.16138	10.06883
14742	M706T11_	1.03687	0.052235	0.173764	0.86643	0.894261	UP	705.7995	705.799	705.8001	10.90553	10.88747
14743	M652T10_	1.028167	-0.04008	-0.1737	0.866438	0.894262	DOWN	651.5319	651.5312	651.5336	9.857275	9.699733
14744	M378T9_1	1.042816	-0.06048	-0.17483	0.866497	0.894269	DOWN	378.3055	378.305	378.3076	9.175717	9.129317
14745	M710T11_	1.051485	-0.07243	-0.17364	0.866523	0.894272	DOWN	710.0702	710.069	710.0711	10.877	10.83572
14746	M1324T11	1.024173	-0.03446	-0.17357	0.866586	0.894279	DOWN	1323.847	1323.845	1323.85	10.89355	10.86008
14747	M197T42_	1.074768	0.104026	0.177973	0.866591	0.894279	UP	197.1533	197.1532	197.1534	41.71917	41.58967
14748	M890T10_	1.052157	-0.07335	-0.17431	0.866615	0.894282	DOWN	890.1453	890.1446	890.1457	9.972917	9.8753
14749	M244T11_	1.036211	-0.05132	-0.17348	0.86669	0.89429	DOWN	243.5041	243.5039	243.5042	10.90343	10.879
14750	M554T10_	1.087293	0.120741	0.174915	0.866709	0.894292	UP	554.4921	554.4913	554.4924	9.958217	9.8753
14751	M1017T13	1.044931	-0.06341	-0.17514	0.866856	0.894308	DOWN	1017.463	1017.462	1017.464	13.40577	13.36075
14752	M1280T10	1.030935	-0.04395	-0.17332	0.867063	0.894331	DOWN	1279.864	1279.861	1279.87	9.903567	9.79535
14753	M655T10_	1.022632	0.032287	0.17523	0.867072	0.894332	UP	655.4412	655.4408	655.4414	10.38894	10.32768
14754	M553T10_	1.067426	0.094137	0.173392	0.867166	0.894342	UP	553.2825	553.2817	553.2924	9.540717	9.22995
14755	M554T10_	1.0496	-0.06984	-0.17634	0.867194	0.894345	DOWN	553.7535	553.7532	553.7544	9.93225	9.811217
14756	M793T30	1.039361	-0.0557	-0.17369	0.867217	0.894347	DOWN	792.5684	792.5677	792.5688	30.21575	30.20833
14757	M1565T10	1.030576	-0.04345	-0.17321	0.867247	0.894351	DOWN	1565.4	1565.395	1565.403	9.904767	9.827283
14758	M500T10_	1.034655	0.049149	0.175837	0.86732	0.894359	UP	500.1473	500.1471	500.1478	9.73455	9.636483
14759	M211T10_	1.018617	-0.02661	-0.17348	0.867339	0.894361	DOWN	210.5078	210.5078	210.508	9.816183	9.715683
14760	M590T11_	1.052357	0.073624	0.174827	0.867406	0.894368	UP	589.9597	589.9594	589.9599	10.90788	10.879
14761	M395T10_	1.055899	-0.07847	-0.17364	0.867429	0.89437	DOWN	395.1691	395.1689	395.1694	9.967367	9.853533
14762	M283T10_	1.030405	-0.04321	-0.17299	0.867449	0.894373	DOWN	282.6953	282.6949	282.6957	10.40322	10.34372
14763	M245T10_	1.041876	0.059184	0.173553	0.867567	0.894385	UP	244.7674	244.7673	244.7772	9.95385	9.843367
14764	M1798T10	1.037468	0.053067	0.175051	0.867638	0.894393	UP	1798.111	1798.108	1798.114	9.830183	9.73145
14765	M236T10_	1.115398	0.157559	0.172663	0.867726	0.894403	UP	235.8679	235.8678	235.868	9.970617	9.916767
14766	M586T9_1	1.062762	-0.08782	-0.1724	0.867799	0.894411	DOWN	585.604	585.5995	585.6047	9.175017	9.09495
14767	M419T9_7	1.038242	0.054143	0.17244	0.868032	0.894436	UP	419.003	418.9981	419.0062	9.252817	9.1011
14768	M620T44_	1.014187	-0.02032	-0.17604	0.868034	0.894436	DOWN	620.3639	620.3638	620.364	43.71817	43.45933
14769	M402T25	1.030056	-0.04272	-0.17219	0.868191	0.894453	DOWN	402.1179	402.1173	402.1187	25.15883	25.14433

14770	M329T9_6	1.072601	0.101114	0.171326	0.86825	0.89446	UP	329.3635	329.3561	329.3638	9.381058	9.250817
14771	M264T10_	1.046743	-0.06591	-0.17122	0.868305	0.894466	DOWN	264.4155	264.412	264.4158	9.956417	9.759167
14772	M301T11_	1.03714	0.05261	0.17144	0.868312	0.894467	UP	300.864	300.8636	300.8646	10.90537	10.879
14773	M464T10_	1.094755	-0.13061	-0.17205	0.868406	0.894477	DOWN	464.0038	464.0035	464.0048	9.752875	9.636483
14774	M287T44_	1.015187	-0.02175	-0.17546	0.868465	0.894483	DOWN	287.1487	287.1485	287.1488	43.73267	43.55983
14775	M512T10_	1.090284	0.124704	0.176011	0.868466	0.894483	UP	512.3004	512.3	512.3011	9.900133	9.75365
14776	M563T10_	1.033494	0.047531	0.174769	0.868473	0.894484	UP	563.486	563.4858	563.4866	9.960967	9.843367
14777	M749T10_	1.040029	-0.05662	-0.17083	0.8686	0.894498	DOWN	749.3094	749.3085	749.3097	9.948875	9.843367
14778	M460T10_	1.029023	-0.04128	-0.17098	0.868723	0.894511	DOWN	459.6424	459.6416	459.6432	9.968992	9.859233
14779	M646T11_	1.055907	0.078483	0.170625	0.868914	0.894532	UP	645.6297	645.6295	645.6301	11.48533	11.47593
14780	M722T9	1.081628	-0.1132	-0.17066	0.86894	0.894535	DOWN	722.4545	722.4535	722.4551	8.974042	8.922033
14781	M243T10_	1.048525	-0.06836	-0.17032	0.86901	0.894542	DOWN	242.9253	242.9251	242.9253	9.984083	9.8753
14782	M309T10_	1.050507	0.071086	0.173647	0.869083	0.89455	UP	309.2273	309.2261	309.2274	10.17547	10.08517
14783	M284T11_	1.038799	-0.05492	-0.1699	0.86934	0.894578	DOWN	284.3917	284.3915	284.3918	10.90785	10.877
14784	M398T9_7	1.141349	0.19074	0.170175	0.869517	0.894597	UP	398.2883	398.2863	398.2907	9.387158	9.16125
14785	M393T10_	1.045091	-0.06363	-0.17273	0.869548	0.894601	DOWN	392.6065	392.6063	392.6074	9.894417	9.75365
14786	M246T18	1.083114	-0.11518	-0.17157	0.86955	0.894601	DOWN	246.0813	246.0811	246.0815	18.49367	18.47117
14787	M416T9_4	1.024744	-0.03526	-0.16957	0.869642	0.894611	DOWN	416.0373	416.0368	416.038	9.277017	9.129317
14788	M277T11_	1.028311	-0.04028	-0.16947	0.869705	0.894618	DOWN	277.1906	277.1905	277.1909	10.90519	10.879
14789	M352T11_	1.024024	-0.03425	-0.16983	0.869714	0.894619	DOWN	352.2115	352.2113	352.212	10.892	10.879
14790	M821T10_	1.071712	0.099918	0.16936	0.869792	0.894627	UP	820.72	820.7187	820.7205	9.953592	9.859233
14791	M1099T10	1.037442	-0.05303	-0.16966	0.869797	0.894628	DOWN	1098.91	1098.91	1098.911	9.872067	9.856867
14792	M163T10_	1.039656	-0.05611	-0.16974	0.869994	0.894649	DOWN	163.2503	163.2503	163.2504	9.95385	9.843367
14793	M499T9_3	1.025249	-0.03597	-0.16938	0.870075	0.894658	DOWN	498.8642	498.863	498.8645	9.215258	9.129317
14794	M385T9_1	1.036793	0.052128	0.169137	0.87011	0.894662	UP	385.2734	385.2733	385.2736	8.652817	8.55865
14795	M363T10_	1.034224	0.048549	0.169017	0.870205	0.894672	UP	363.0993	363.0984	363.0997	9.8207	9.696683
14796	M460T23	1.077077	-0.10712	-0.16869	0.870258	0.894678	DOWN	460.3416	460.3414	460.3418	22.74858	22.741
14797	M213T9_2	1.108152	0.148156	0.169097	0.870282	0.89468	UP	212.5388	212.537	212.5419	9.146383	9.023483
14798	M269T11_	1.029682	-0.0422	-0.169	0.870343	0.894687	DOWN	269.4199	269.4171	269.4201	10.91098	10.879
14799	M734T10_	1.085999	0.119023	0.169936	0.870359	0.894689	UP	733.9187	733.9179	733.919	9.977042	9.859233
14800	M383T44	1.008128	0.011678	0.170094	0.870808	0.894737	UP	383.3517	383.3515	383.3519	43.7015	43.66067
14801	M631T11	1.024226	-0.03453	-0.16882	0.870835	0.89474	DOWN	631.0959	631.0955	631.0962	11.49657	11.47593
14802	M345T38	1.021087	0.030106	0.168974	0.870942	0.894752	UP	345.1905	345.1904	345.1908	37.90617	37.84933
14803	M680T27_	1.059615	-0.08354	-0.16776	0.870943	0.894752	DOWN	680.4063	680.4059	680.407	27.48183	27.45433
14804	M502T10_	1.058813	0.082448	0.167757	0.871126	0.894772	UP	501.7592	501.7584	501.7594	9.967367	9.859233

14805	M274T10_	1.081818	0.113457	0.167897	0.871141	0.894773	UP	274.0742	274.0741	274.0744	9.545975	9.447617
14806	M352T10_	1.181234	0.240295	0.167937	0.871208	0.89478	UP	351.6051	351.6047	351.6054	9.808333	9.732983
14807	M748T33	1.043288	-0.06114	-0.16733	0.871266	0.894787	DOWN	747.5299	747.5291	747.5303	33.41233	33.398
14808	M369T24	1.052682	-0.07407	-0.17192	0.871479	0.89481	DOWN	369.2714	369.2712	369.2716	24.09867	24.06933
14809	M1837T10	1.080154	0.111237	0.167801	0.871523	0.894814	UP	1837.393	1837.393	1837.397	9.888767	9.766367
14810	M222T10_	1.041595	0.058794	0.167454	0.871601	0.894823	UP	221.5862	221.5861	221.5863	9.9014	9.872067
14811	M735T10_	1.122442	-0.16664	-0.16693	0.871606	0.894823	DOWN	734.7601	734.7598	734.7607	9.82645	9.772883
14812	M607T25	1.037154	-0.05263	-0.16787	0.871711	0.894835	DOWN	607.4662	607.4658	607.4664	24.55767	24.53583
14813	M217T10_	1.048032	-0.06768	-0.16741	0.871757	0.89484	DOWN	217.0011	216.9998	217.0019	9.830833	9.696683
14814	M276T43_	1.022057	-0.03148	-0.16976	0.871775	0.894842	DOWN	276.1438	276.1437	276.144	42.5245	42.49567
14815	M1818T10	1.139805	0.188788	0.168404	0.872123	0.894879	UP	1818.403	1818.402	1818.404	9.824083	9.787433
14816	M315T28_	1.041882	0.059192	0.167411	0.872168	0.894884	UP	315.019	315.0188	315.0193	28.12733	28.113
14817	M727T10_	1.060421	0.084637	0.166124	0.872184	0.894886	UP	727.2733	727.2644	727.2738	9.946467	9.843367
14818	M318T10_	1.023884	-0.03405	-0.16866	0.87237	0.894906	DOWN	318.0517	318.0512	318.063	9.983467	9.840617
14819	M478T18_	1.019729	-0.02819	-0.16575	0.872477	0.894917	DOWN	478.3996	478.3994	478.3997	18.3005	18.27567
14820	M417T12_	1.031025	-0.04408	-0.16946	0.872493	0.894919	DOWN	417.327	417.3265	417.3273	12.41563	12.39797
14821	M407T11_	1.02095	-0.02991	-0.16623	0.872507	0.894921	DOWN	406.5826	406.5822	406.5836	10.89904	10.879
14822	M1101T10	1.043815	-0.06187	-0.16596	0.872515	0.894921	DOWN	1100.723	1100.722	1100.723	9.967367	9.859233
14823	M315T10_	1.034526	-0.04897	-0.16686	0.872542	0.894924	DOWN	315.4237	315.4235	315.4239	9.983467	9.8753
14824	M206T9_1	1.104555	0.143465	0.165661	0.87255	0.894925	UP	206.1127	206.1116	206.1132	9.174967	9.16125
14825	M731T10_	1.057221	-0.08028	-0.16572	0.872589	0.894929	DOWN	731.1069	731.1063	731.1075	9.958617	9.843367
14826	M534T39_	1.047932	0.067545	0.166062	0.872598	0.89493	UP	534.2908	534.2904	534.2909	39.01417	38.89917
14827	M577T9_2	1.063871	-0.08932	-0.16556	0.872609	0.894932	DOWN	576.9768	576.9758	576.9854	9.249433	9.174917
14828	M311T23	1.069767	-0.0973	-0.16554	0.872637	0.894935	DOWN	310.5569	310.5568	310.5574	22.6985	22.6705
14829	M194T9_2	1.083257	-0.11538	-0.16787	0.872669	0.894938	DOWN	193.7157	193.715	193.7162	9.175183	9.147367
14830	M193T9_1	1.069996	0.097605	0.165921	0.872789	0.894951	UP	192.6204	192.62	192.6206	9.320875	9.1428
14831	M395T10_	1.064307	-0.08991	-0.1655	0.872792	0.894951	DOWN	395.1311	395.1309	395.1403	9.9149	9.806367
14832	M656T10_	1.040653	-0.05749	-0.16541	0.872831	0.894955	DOWN	655.6869	655.6864	655.6901	9.823575	9.715683
14833	M575T34	1.027765	0.03951	0.16779	0.87284	0.894957	UP	575.3763	575.3758	575.3766	33.67225	33.65767
14834	M334T24	1.039906	-0.05645	-0.16529	0.872908	0.894964	DOWN	334.266	334.2654	334.2668	24.3525	24.33233
14835	M316T10_	1.029504	-0.04195	-0.16519	0.872921	0.894965	DOWN	316.2925	316.2923	316.2931	9.97155	9.859233
14836	M725T10_	1.032148	0.04565	0.169027	0.873157	0.894991	UP	724.9607	724.9604	724.9614	9.8207	9.699733
14837	M1361T45	1.027125	0.038612	0.165285	0.873185	0.894994	UP	1360.953	1360.953	1360.954	44.60225	44.56667
14838	M322T10_	1.042655	-0.06026	-0.16509	0.87324	0.895	DOWN	321.5635	321.5631	321.5639	9.958617	9.843367
14839	M571T10_	1.0413	-0.05839	-0.16524	0.873243	0.895	DOWN	571.3832	571.3825	571.3836	10.44717	10.42407



14840	M286T29	1.030272	-0.04303	-0.16574	0.873293	0.895005	DOWN	286.3101	286.3099	286.3103	28.85858	28.84783
14841	M205T11_	1.047416	0.066834	0.164404	0.873596	0.895038	UP	204.9549	204.9548	204.9554	10.91948	10.8937
14842	M390T9_2	1.031231	-0.04437	-0.16481	0.873751	0.895055	DOWN	389.5991	389.5989	389.5993	9.298683	9.092333
14843	M261T10_	1.080447	0.111628	0.165369	0.873845	0.895065	UP	260.5399	260.5396	260.54	9.977042	9.8753
14844	M163T10_	1.057791	-0.08105	-0.16485	0.873857	0.895066	DOWN	163.0469	163.0468	163.0471	9.924308	9.811217
14845	M780T11	1.040829	-0.05773	-0.16414	0.874045	0.895086	DOWN	780.3786	780.376	780.3806	10.91289	10.84395
14846	M329T11_	1.044344	-0.0626	-0.16445	0.874049	0.895087	DOWN	329.2184	329.2172	329.2205	10.8926	10.873
14847	M461T31	1.018002	-0.02574	-0.16368	0.87406	0.895088	DOWN	461.3732	461.3731	461.3733	31.18017	31.17583
14848	M1485T10	1.037514	-0.05313	-0.1664	0.874121	0.895094	DOWN	1485.285	1485.283	1485.287	9.94405	9.8378
14849	M501T10_	1.046337	0.065348	0.163638	0.874186	0.895101	UP	500.6171	500.6164	500.6176	9.965717	9.843367
14850	M538T9_5	1.133419	0.180681	0.16364	0.874337	0.895117	UP	538.2064	538.2062	538.2068	9.3907	9.355317
14851	M479T10_	1.085616	-0.11851	-0.16328	0.874367	0.895121	DOWN	479.4389	479.432	479.4398	9.519317	9.3907
14852	M946T10_	1.032438	0.046055	0.165369	0.874483	0.895133	UP	945.8908	945.8903	945.8913	9.845483	9.73145
14853	M299T10_	1.035419	-0.05021	-0.16312	0.874625	0.895148	DOWN	299.2674	299.2671	299.2676	9.983467	9.8914
14854	M679T10_	1.162853	0.217668	0.164114	0.874662	0.895152	UP	678.6029	678.5934	678.6038	9.872933	9.7124
14855	M635T10_	1.059843	0.083851	0.16284	0.874738	0.895161	UP	635.3151	635.3148	635.3156	9.830833	9.715683
14856	M285T7_2	1.052448	-0.07375	-0.16614	0.874768	0.895164	DOWN	284.9097	284.9096	284.9097	6.661967	6.5605
14857	M228T9_1	1.087619	0.121173	0.162738	0.874772	0.895164	UP	228.1667	228.159	228.1688	9.382183	9.1503
14858	M290T11_	1.027604	-0.03929	-0.16279	0.874914	0.895179	DOWN	289.8065	289.8061	289.8068	10.91987	10.90553
14859	M384T9_2	1.039277	0.05558	0.1628	0.874941	0.895182	UP	383.9168	383.9166	383.9171	9.0274	8.892117
14860	M360T11_	1.057022	-0.08001	-0.16323	0.874999	0.895189	DOWN	359.7753	359.775	359.7765	10.91152	10.8646
14861	M576T9_3	1.057147	0.080177	0.164396	0.875008	0.895189	UP	575.7386	575.7335	575.7398	9.276583	9.204617
14862	M1971T10	1.050041	0.070446	0.162461	0.875135	0.895203	UP	1971.357	1971.356	1971.361	9.857683	9.772883
14863	M439T11_	1.028199	-0.04012	-0.16365	0.87514	0.895204	DOWN	438.873	438.8729	438.8746	10.90553	10.8926
14864	M411T10_	1.075138	0.104522	0.162666	0.875169	0.895207	UP	411.3276	411.3272	411.328	9.958617	9.843367
14865	M705T30	1.035261	-0.04999	-0.16299	0.875196	0.89521	DOWN	704.5155	704.5149	704.5157	30.25242	30.237
14866	M655T10_	1.110394	-0.15107	-0.16273	0.875196	0.89521	DOWN	654.6956	654.6952	654.6961	9.787433	9.715683
14867	M208T9_7	1.043193	-0.06101	-0.16213	0.87529	0.89522	DOWN	208.0084	208.0083	208.0086	9.279417	9.142767
14868	M253T10_	1.083099	-0.11517	-0.16332	0.875292	0.89522	DOWN	253.0184	253.0182	253.0185	9.84525	9.774967
14869	M697T10_	1.053003	-0.07451	-0.16286	0.875299	0.895221	DOWN	696.6457	696.6453	696.6467	9.956417	9.843367
14870	M488T44_	1.034382	0.048769	0.167045	0.875344	0.895226	UP	488.285	488.2848	488.2852	44.26483	44.2215
14871	M258T10_	1.036815	-0.05216	-0.16532	0.875394	0.895231	DOWN	257.9211	257.9208	257.9234	9.772833	9.746783
14872	M1216T10	1.057815	0.081087	0.161862	0.875441	0.895236	UP	1216.179	1216.178	1216.184	9.972917	9.859233
14873	M398T44_	1.025832	-0.03679	-0.1622	0.875459	0.895238	DOWN	398.2381	398.238	398.2383	44.40867	44.1495
14874	M379T9_7	1.072128	0.100477	0.162586	0.875469	0.895239	UP	379.1227	379.1217	379.1265	9.235933	9.046783

14875	M331T10_	1.02792	-0.03973	-0.16198	0.875554	0.895248	DOWN	331.1826	331.1824	331.1827	9.972917	9.859233
14876	M377T10_	1.044875	0.06333	0.161991	0.875557	0.895248	UP	376.6194	376.6191	376.6196	9.972917	9.859233
14877	M216T10_	1.05023	-0.07071	-0.1621	0.875796	0.895274	DOWN	215.9451	215.9449	215.9453	9.968992	9.859233
14878	M730T10_	1.044531	-0.06286	-0.16148	0.875845	0.895279	DOWN	729.8353	729.8347	729.8358	9.94785	9.843367
14879	M1218T10	1.032618	-0.04631	-0.16153	0.875873	0.895282	DOWN	1217.676	1217.675	1217.677	9.97155	9.843367
14880	M396T9_1	1.01981	-0.0283	-0.16249	0.875874	0.895282	DOWN	396.2189	396.2181	396.2192	9.051075	9.01555
14881	M614T11_	1.027515	-0.03916	-0.16134	0.875962	0.895292	DOWN	613.9962	613.9954	614.0001	10.93097	10.90765
14882	M350T10_	1.037203	-0.0527	-0.16154	0.876079	0.895304	DOWN	349.8672	349.8669	349.8675	9.91875	9.811217
14883	M453T9_5	1.057435	0.080569	0.161669	0.876118	0.895308	UP	452.8877	452.8863	452.8984	9.37135	9.048117
14884	M505T11_	1.039511	-0.0559	-0.16537	0.876163	0.895313	DOWN	505.1789	505.1782	505.1797	10.89125	10.83417
14885	M157T10_	1.093243	0.128613	0.16432	0.876175	0.895314	UP	156.5358	156.5357	156.5359	9.946367	9.843367
14886	M574T10_	1.034611	-0.04909	-0.16325	0.876321	0.89533	DOWN	574.2394	574.2389	574.2397	9.960417	9.859233
14887	M325T10_	1.02077	0.029658	0.162586	0.876393	0.895338	UP	325.2432	325.2429	325.2443	9.831242	9.715683
14888	M282T10_	1.02669	-0.038	-0.16122	0.876411	0.89534	DOWN	281.6588	281.6587	281.659	9.903017	9.811217
14889	M196T9_4	1.056676	-0.07953	-0.16114	0.876447	0.895344	DOWN	195.9037	195.9033	195.9043	9.280458	9.146383
14890	M375T10_	1.031398	-0.0446	-0.16096	0.876491	0.895348	DOWN	375.1196	375.1174	375.1201	9.931108	9.811217
14891	M178T10_	1.043538	0.061482	0.160523	0.876532	0.895353	UP	178.026	178.0257	178.0262	9.968992	9.859233
14892	M205T10_	1.077334	-0.10747	-0.16169	0.876549	0.895354	DOWN	205.2464	205.2435	205.2465	9.780258	9.665433
14893	M490T9_1	1.046859	0.066067	0.161037	0.876581	0.895358	UP	490.1696	490.1694	490.1699	9.285867	9.129317
14894	M674T10_	1.025644	-0.03653	-0.16104	0.876586	0.895358	DOWN	674.3979	674.3974	674.3986	9.85525	9.747533
14895	M364T32	1.063532	0.088863	0.16081	0.876599	0.89536	UP	363.8021	363.8015	363.8028	31.76767	31.75333
14896	M766T10_	1.043948	0.06205	0.160289	0.87664	0.895364	UP	766.421	766.4199	766.4217	10.17403	10.05935
14897	M1561T10	1.033432	-0.04744	-0.16046	0.876647	0.895365	DOWN	1560.933	1560.931	1560.938	9.931883	9.843367
14898	M447T10_	1.02869	-0.04081	-0.16034	0.876652	0.895365	DOWN	447.3592	447.359	447.3596	9.979342	9.8753
14899	M433T11_	1.030824	-0.0438	-0.16014	0.87675	0.895376	DOWN	433.4296	433.4274	433.4302	10.91784	10.879
14900	M428T11_	1.023915	0.034095	0.160404	0.876849	0.895386	UP	427.9882	427.9881	427.9889	10.892	10.8646
14901	M411T10_	1.070332	0.098058	0.160402	0.876973	0.8954	UP	410.7908	410.7903	410.7909	9.975217	9.859233
14902	M295T12_	1.052055	0.07321	0.160045	0.87701	0.895404	UP	295.2095	295.2092	295.2103	12.24952	12.16455
14903	M243T11_	1.044647	0.063015	0.160258	0.877092	0.895412	UP	242.8455	242.845	242.8497	10.92542	10.87487
14904	M207T10_	1.013982	-0.02003	-0.1596	0.877159	0.89542	DOWN	206.6735	206.6734	206.6738	9.935675	9.827283
14905	M719T16	1.029433	0.041851	0.15967	0.877161	0.89542	UP	718.5478	718.5474	718.5485	16.28458	16.26397
14906	M713T31	1.03614	0.051219	0.159564	0.877213	0.895425	UP	712.5494	712.5489	712.5497	31.078	31.07483
14907	M391T18	1.023592	-0.03364	-0.16043	0.877246	0.895429	DOWN	391.2951	391.295	391.2953	17.74867	17.72017
14908	M292T45	1.019499	-0.02786	-0.16009	0.877323	0.895437	DOWN	292.1752	292.1751	292.1753	44.87567	44.83967
14909	M503T10_	1.019813	-0.02831	-0.15926	0.877468	0.895453	DOWN	503.3565	503.3561	503.3568	10.15155	10.06883

14910	M547T9_5	1.018234	0.02607	0.161877	0.87755	0.895461	UP	546.918	546.9162	546.9188	9.18975	9.12675
14911	M334T9_6	1.056791	-0.07969	-0.15904	0.877583	0.895465	DOWN	334.2128	334.2127	334.2228	8.984717	8.889467
14912	M240T10_	1.033979	0.048206	0.160091	0.877588	0.895465	UP	240.4992	240.4988	240.4998	9.967533	9.859233
14913	M314T31	1.04271	-0.06034	-0.15901	0.877605	0.895467	DOWN	314.3051	314.3049	314.3053	31.03767	31.03133
14914	M245T10_	1.037847	-0.05359	-0.15901	0.877621	0.895469	DOWN	245.3804	245.3801	245.3808	9.95385	9.843367
14915	M308T9_3	1.062656	-0.08768	-0.15897	0.877747	0.895482	DOWN	307.9916	307.9909	307.9921	8.937675	8.892117
14916	M335T9_9	1.047171	-0.0665	-0.15877	0.877828	0.895491	DOWN	334.9802	334.9801	334.9803	8.78005	8.672483
14917	M329T10_	1.034387	0.048776	0.159035	0.877917	0.8955	UP	329.4504	329.45	329.4506	9.984067	9.8753
14918	M354T10_	1.013653	-0.01956	-0.15869	0.877926	0.895501	DOWN	353.7275	353.7274	353.7277	9.8207	9.699733
14919	M1885T10	1.064079	0.089605	0.159636	0.877976	0.895507	UP	1884.921	1884.918	1884.921	9.949233	9.9351
14920	M261T10_	1.042911	-0.06062	-0.15857	0.877984	0.895508	DOWN	261.3655	261.3652	261.3657	9.94785	9.827283
14921	M840T11_	1.046767	0.06594	0.158905	0.878082	0.895518	UP	840.4761	840.4752	840.477	10.67552	10.61337
14922	M347T10_	1.023823	-0.03397	-0.15968	0.878204	0.895531	DOWN	346.9125	346.9118	346.9127	9.823575	9.699733
14923	M707T3	1.076552	-0.10642	-0.1585	0.878231	0.895534	DOWN	707.4698	707.4695	707.4699	3.325783	3.0588
14924	M288T11_	1.025522	-0.03636	-0.15843	0.878235	0.895534	DOWN	288.4319	288.4318	288.4321	10.89875	10.8646
14925	M893T9	1.089068	-0.12309	-0.15887	0.878268	0.895538	DOWN	892.5767	892.576	892.5769	9.29345	9.234417
14926	M389T11_	1.022393	0.03195	0.158049	0.87835	0.895547	UP	389.492	389.4918	389.4923	10.89875	10.879
14927	M791T10_	1.056032	-0.07865	-0.15807	0.878355	0.895547	DOWN	791.002	791.0018	791.0022	9.893742	9.779267
14928	M346T9_9	1.077003	-0.10702	-0.158	0.878377	0.895549	DOWN	346.3531	346.353	346.3544	9.330058	9.2585
14929	M855T12	1.039688	-0.05615	-0.1601	0.878379	0.89555	DOWN	854.6056	854.6054	854.6059	12.10664	12.09243
14930	M343T10_	1.079539	-0.11042	-0.15786	0.878509	0.895564	DOWN	342.547	342.545	342.5478	9.9009	9.728083
14931	M444T11_	1.040893	-0.05782	-0.15806	0.878556	0.895569	DOWN	444.2656	444.2655	444.2657	10.91389	10.89125
14932	M335T10_	1.146857	0.197685	0.157767	0.878581	0.895571	UP	334.5814	334.581	334.5815	9.903017	9.79065
14933	M732T11_	1.035529	-0.05037	-0.15771	0.878636	0.895577	DOWN	732.2649	732.2646	732.2654	10.90551	10.88747
14934	M617T10_	1.054827	-0.07701	-0.15989	0.878642	0.895578	DOWN	616.6952	616.6937	616.6965	9.956417	9.843367
14935	M468T30	1.034042	-0.0483	-0.15932	0.878668	0.89558	DOWN	468.3607	468.3602	468.3609	30.26608	30.25167
14936	M298T30	1.055965	-0.07856	-0.15769	0.878697	0.895584	DOWN	298.3101	298.3092	298.3102	29.69067	29.67567
14937	M162T10_	1.055938	-0.07853	-0.15805	0.878704	0.895584	DOWN	161.6273	161.6272	161.6274	9.948875	9.827283
14938	M882T11_	1.04481	-0.06324	-0.15762	0.87871	0.895585	DOWN	881.5239	881.5225	881.5249	10.79763	10.73768
14939	M1023T10	1.04565	0.0644	0.157563	0.878767	0.895591	UP	1022.606	1022.606	1022.608	9.6501	9.52515
14940	M404T38	1.013095	0.018769	0.157515	0.878769	0.895591	UP	404.264	404.2637	404.2643	37.91367	37.64733
14941	M423T21	1.028183	0.040097	0.158058	0.878898	0.895605	UP	423.2799	423.2789	423.2805	20.99217	20.88583
14942	M422T9_1	1.03959	0.056014	0.15717	0.879036	0.89562	UP	422.0108	422.0104	422.0109	9.445092	9.355317
14943	M197T10_	1.022864	0.032614	0.157607	0.879085	0.895625	UP	196.698	196.6979	196.6984	9.857425	9.747533
14944	M396T10_	1.04878	-0.06871	-0.15808	0.879187	0.895636	DOWN	395.614	395.6137	395.6197	9.967367	9.842

14945	M291T9_3	1.06229	-0.08718	-0.15695	0.879192	0.895636	DOWN	290.6369	290.6365	290.6378	9.167275	9.1175
14946	M423T26_	1.036792	-0.05213	-0.15691	0.879211	0.895638	DOWN	422.6241	422.624	422.6244	25.6015	25.52717
14947	M446T41_	1.018886	0.026993	0.15976	0.87934	0.895652	UP	446.2746	446.2745	446.2748	41.30883	41.20117
14948	M283T13	1.080005	-0.11104	-0.15686	0.87938	0.895656	DOWN	283.2378	283.2377	283.2385	12.95202	12.9082
14949	M308T10_	1.027818	0.039585	0.156488	0.879537	0.895673	UP	307.843	307.8426	307.8431	9.968992	9.859233
14950	M481T10_	1.041513	-0.05868	-0.15641	0.879725	0.895693	DOWN	481.2829	481.2826	481.283	9.962617	9.843367
14951	M565T9_1	1.057071	0.080072	0.156914	0.87974	0.895694	UP	565.2839	565.2826	565.2841	8.953917	8.788667
14952	M613T10_	1.037301	-0.05283	-0.1562	0.879755	0.895696	DOWN	613.1778	613.1763	613.1795	9.960817	9.843367
14953	M343T9_5	1.07782	0.108117	0.160245	0.879907	0.895712	UP	343.2387	343.2386	343.2388	9.457083	9.401917
14954	M395T11_	1.039682	-0.05614	-0.15632	0.879909	0.895712	DOWN	395.2904	395.2901	395.2907	11.26757	11.22767
14955	M459T11_	1.084365	-0.11685	-0.15624	0.879926	0.895714	DOWN	459.3168	459.3163	459.3171	10.98885	10.91987
14956	M614T21	1.02305	-0.03288	-0.15631	0.880032	0.895725	DOWN	614.4471	614.4468	614.4477	20.75842	20.73467
14957	M351T11_	1.018648	-0.02666	-0.15635	0.880045	0.895727	DOWN	351.3429	351.3427	351.3435	10.91997	10.88747
14958	M632T11_	1.026981	-0.03841	-0.1557	0.880129	0.895736	DOWN	632.108	632.1075	632.1084	11.48675	11.47298
14959	M240T10_	1.052397	-0.07368	-0.15559	0.880265	0.89575	DOWN	239.9823	239.9821	239.9824	9.956417	9.843367
14960	M344T9_4	1.062046	-0.08685	-0.15553	0.880418	0.895766	DOWN	344.1109	344.1108	344.1119	9.3332	9.032567
14961	M707T10_	1.031365	0.044556	0.155363	0.880496	0.895775	UP	707.393	707.3923	707.3941	10.26718	10.19852
14962	M454T41	1.064997	-0.09085	-0.1593	0.880657	0.895792	DOWN	454.2643	454.2642	454.2643	40.719	40.66883
14963	M190T10_	1.020831	0.029744	0.157535	0.880787	0.895805	UP	190.2367	190.2365	190.2367	9.932033	9.827283
14964	M461T11_	1.036021	0.051054	0.155126	0.880828	0.89581	UP	461.243	461.2427	461.2437	10.93428	10.877
14965	M480T20_	1.056566	-0.07938	-0.15493	0.880829	0.89581	DOWN	480.3586	480.3584	480.3588	19.93867	19.90917
14966	M227T11_	1.035083	0.049747	0.155403	0.880895	0.895817	UP	227.3802	227.38	227.3806	10.91386	10.88995
14967	M267T10_	1.033633	-0.04772	-0.15474	0.88092	0.89582	DOWN	266.5159	266.5156	266.516	9.964092	9.859233
14968	M350T10_	1.027544	-0.0392	-0.15487	0.880951	0.895823	DOWN	350.2375	350.2372	350.2376	9.968992	9.859233
14969	M948T10	1.098696	0.135792	0.154836	0.880965	0.895824	UP	948.3915	948.3908	948.3922	9.98005	9.8914
14970	M296T10_	1.047522	0.066981	0.157095	0.880974	0.895825	UP	295.8755	295.8753	295.8756	9.939575	9.827283
14971	M848T11_	1.028577	0.04065	0.154836	0.88101	0.895829	UP	848.0077	848.0067	848.0079	10.9049	10.879
14972	M322T10_	1.052867	0.074323	0.154496	0.881062	0.895835	UP	321.7638	321.7633	321.7642	9.967367	9.843367
14973	M613T27	1.052489	-0.07381	-0.15527	0.881204	0.89585	DOWN	613.3324	613.3313	613.3329	27.04175	27.01317
14974	M429T21	1.0444	-0.06267	-0.1559	0.88124	0.895854	DOWN	429.2246	429.2239	429.2251	20.88833	20.8255
14975	M258T11_	1.02475	-0.03527	-0.15416	0.881298	0.89586	DOWN	258.3931	258.393	258.3934	10.892	10.879
14976	M256T10_	1.0362	-0.0513	-0.15514	0.881375	0.895868	DOWN	255.6034	255.5926	255.6035	9.960817	9.859233
14977	M233T11_	1.054044	0.075936	0.154391	0.881441	0.895875	UP	232.5352	232.535	232.5355	10.91734	10.89125
14978	M221T10_	1.099117	0.136344	0.154011	0.881575	0.895889	UP	221.3143	221.3142	221.3144	9.92825	9.811217
14979	M454T7	1.075709	0.105288	0.153712	0.88165	0.895897	UP	454.2127	454.2121	454.2131	7.363633	7.288367

14980	M562T11_	1.012734	-0.01825	-0.15451	0.881725	0.895905	DOWN	561.9154	561.9149	561.916	10.91403	10.873
14981	M787T10_	1.022418	0.031986	0.154972	0.881754	0.895908	UP	787.4309	787.4304	787.4313	10.23992	10.17868
14982	M244T10_	1.056475	-0.07926	-0.15617	0.88176	0.895909	DOWN	244.4157	244.4155	244.416	9.945125	9.843367
14983	M244T9_2	1.099393	-0.13671	-0.15364	0.881818	0.895915	DOWN	243.7114	243.7078	243.7121	9.1503	9.132267
14984	M325T10_	1.044573	-0.06291	-0.15392	0.881825	0.895915	DOWN	324.7663	324.7615	324.7665	9.956417	9.729367
14985	M490T10_	1.055534	0.077973	0.153661	0.881843	0.895917	UP	489.8753	489.8749	489.8827	9.929783	9.7565
14986	M150T10_	1.037275	0.052798	0.153456	0.88185	0.895918	UP	150.4109	150.403	150.4113	9.830183	9.7124
14987	M449T23	1.035124	-0.0498	-0.1537	0.881901	0.895923	DOWN	449.2205	449.2202	449.2219	22.9435	22.857
14988	M596T10_	1.048695	0.068595	0.15334	0.881928	0.895926	UP	595.7477	595.7472	595.7482	9.954767	9.843367
14989	M727T10_	1.034413	0.048812	0.15351	0.881942	0.895928	UP	727.1277	727.1269	727.1281	9.958617	9.859233
14990	M563T18	1.051434	0.072359	0.153512	0.88195	0.895929	UP	563.376	563.3759	563.3763	18.34167	18.25267
14991	M411T9_6	1.090654	-0.12519	-0.15391	0.882026	0.895937	DOWN	411.2308	411.2276	411.2316	9.170475	9.03845
14992	M344T10_	1.029285	0.041643	0.153549	0.88206	0.89594	UP	344.3499	344.3494	344.3503	9.972917	9.859233
14993	M1860T10	1.024792	-0.03533	-0.15319	0.882136	0.895948	DOWN	1860.322	1860.321	1860.333	9.828367	9.728083
14994	M420T10_	1.056482	0.079268	0.154323	0.882146	0.895949	UP	419.8315	419.8309	419.8323	9.968992	9.859233
14995	M490T9_2	1.069128	0.096435	0.15305	0.882166	0.895951	UP	490.2468	490.2464	490.2469	9.166033	9.12675
14996	M685T10_	1.023217	0.033112	0.154925	0.882186	0.895954	UP	684.5902	684.5895	684.591	9.816317	9.699733
14997	M618T10_	1.03816	-0.05403	-0.15305	0.882189	0.895954	DOWN	617.8503	617.8499	617.8509	10.39613	10.34372
14998	M1179T10	1.039438	0.055804	0.154321	0.882233	0.895958	UP	1178.719	1178.715	1178.721	9.999108	9.8914
14999	M516T10_	1.043021	-0.06077	-0.15304	0.882294	0.895965	DOWN	516.286	516.2827	516.2901	10.07391	9.932567
15000	M299T11_	1.031942	-0.04536	-0.15298	0.882355	0.895971	DOWN	298.8676	298.8667	298.8678	10.87572	10.83572
15001	M625T17	1.037125	-0.05259	-0.15328	0.88243	0.895979	DOWN	625.3303	625.3299	625.3308	17.278	17.16133
15002	M342T10_	1.127317	-0.17289	-0.15308	0.882457	0.895982	DOWN	341.5071	341.5069	341.5077	9.95605	9.859233
15003	M299T30_	1.050284	-0.07078	-0.15267	0.882511	0.895988	DOWN	299.3134	299.3133	299.3135	29.69067	29.67467
15004	M776T10	1.027064	-0.03853	-0.15251	0.88256	0.895993	DOWN	776.1057	776.1051	776.1065	9.945258	9.843367
15005	M229T9_8	1.042873	0.060563	0.153273	0.882601	0.895997	UP	229.1816	229.1813	229.1818	8.769175	8.697767
15006	M634T10_	1.046577	-0.06568	-0.15241	0.882703	0.896008	DOWN	633.9975	633.9972	633.9982	9.816167	9.715683
15007	M252T11_	1.023485	-0.03349	-0.15296	0.882719	0.89601	DOWN	252.3884	252.3883	252.3886	10.892	10.879
15008	M513T36	1.046547	0.065637	0.15225	0.88276	0.896014	UP	513.4195	513.4185	513.4196	36.13633	36.07033
15009	M264T9_2	1.134959	0.18264	0.152745	0.882766	0.896015	UP	263.6661	263.6658	263.6662	8.91235	8.83365
15010	M350T10_	1.038332	-0.05427	-0.1553	0.882808	0.896019	DOWN	349.7351	349.727	349.7354	9.829175	9.699733
15011	M207T9_2	1.129148	0.175234	0.152566	0.88291	0.89603	UP	206.6602	206.6593	206.6607	9.224517	9.132267
15012	M588T11	1.04745	0.066881	0.154633	0.882983	0.896038	UP	588.4096	588.4095	588.41	10.5188	10.47197
15013	M290T15	1.039574	0.055992	0.15331	0.882997	0.896039	UP	290.0995	290.0992	290.0998	14.67787	14.63255
15014	M291T10_	1.029899	0.042503	0.152362	0.883065	0.896046	UP	291.1989	291.1988	291.1991	10.39613	10.34372

15015	M312T11_	1.05521	0.077531	0.152165	0.8832	0.896061	UP	311.728	311.7279	311.7284	10.89355	10.873
15016	M543T24_	1.020512	-0.02929	-0.15167	0.883283	0.896069	DOWN	542.8836	542.8823	542.8838	23.982	23.906
15017	M417T10_	1.026745	-0.03808	-0.15167	0.883492	0.896091	DOWN	417.2457	417.2453	417.2465	9.979342	9.859233
15018	M805T10_	1.032283	0.045839	0.151409	0.883544	0.896097	UP	805.0625	805.0618	805.0631	9.951283	9.843367
15019	M407T10_	1.022172	-0.03164	-0.15146	0.883602	0.896103	DOWN	406.8617	406.8612	406.8619	9.902008	9.79535
15020	M366T10_	1.036072	-0.05112	-0.15091	0.883805	0.896124	DOWN	366.2822	366.2814	366.2959	9.9174	9.45945
15021	M627T9_1	1.061165	0.08565	0.150921	0.883911	0.896136	UP	626.8796	626.8792	626.8806	8.926842	8.877267
15022	M658T10_	1.026101	-0.03717	-0.15096	0.883999	0.896145	DOWN	657.5913	657.5906	657.5934	9.84325	9.73145
15023	M932T10_	1.033656	0.047756	0.152574	0.884131	0.896159	UP	931.8465	931.8448	931.8475	9.944392	9.843367
15024	M537T10_	1.022709	0.032395	0.150926	0.88419	0.896165	UP	537.4008	537.3997	537.4015	9.91765	9.827283
15025	M274T9_3	1.046781	-0.06596	-0.15042	0.884311	0.896178	DOWN	273.9346	273.9344	273.9347	8.811833	8.75965
15026	M464T37_	1.017482	0.025003	0.154622	0.884424	0.896189	UP	464.285	464.285	464.2853	36.871	36.7845
15027	M596T10_	1.042459	0.05999	0.152786	0.884571	0.896205	UP	595.6493	595.6489	595.6497	9.979667	9.8753
15028	M1115T10	1.059284	0.08309	0.149894	0.884635	0.896212	UP	1114.685	1114.685	1114.686	9.960967	9.8914
15029	M393T20_	1.138786	0.187497	0.149823	0.884668	0.896215	UP	393.2687	393.2591	393.2725	20.274	20.25933
15030	M227T10_	1.047696	-0.06722	-0.15032	0.884737	0.896222	DOWN	227.4828	227.4827	227.4831	9.809233	9.743667
15031	M206T10_	1.027973	-0.0398	-0.14995	0.884754	0.896224	DOWN	205.613	205.6129	205.6131	9.996992	9.8914
15032	M407T10_	1.066033	0.092251	0.150421	0.884759	0.896225	UP	407.0684	407.0679	407.0689	9.967367	9.843367
15033	M309T11_	1.017228	-0.02464	-0.15145	0.88485	0.896234	DOWN	309.217	309.2169	309.2174	10.90785	10.90197
15034	M333T23	1.030499	-0.04334	-0.14953	0.884866	0.896236	DOWN	333.319	333.3188	333.3198	23.14717	23.13267
15035	M417T20_	1.018925	-0.02705	-0.14983	0.884891	0.896239	DOWN	417.299	417.2989	417.2992	20.24517	20.23017
15036	M198T10_	1.022335	-0.03187	-0.14947	0.884969	0.896247	DOWN	197.5518	197.545	197.5519	9.825492	9.699733
15037	M559T10_	1.022293	-0.03181	-0.14948	0.885007	0.896251	DOWN	558.9983	558.9974	558.9988	10.25792	10.23422
15038	M497T10_	1.041586	0.058782	0.149918	0.885022	0.896252	UP	496.8809	496.8804	496.8818	10.08529	9.988
15039	M320T10_	1.051164	-0.07199	-0.14976	0.885086	0.896259	DOWN	320.1186	320.1186	320.1188	9.967367	9.8753
15040	M974T10_	1.021683	0.030947	0.149445	0.885163	0.896267	UP	974.0081	974.0073	974.0104	9.967367	9.8914
15041	M368T10_	1.055111	-0.07739	-0.15015	0.885204	0.896272	DOWN	367.518	367.5177	367.5185	9.968992	9.859233
15042	M295T10_	1.056702	-0.07957	-0.14983	0.885276	0.896279	DOWN	294.6357	294.6348	294.6359	9.500225	9.416817
15043	M452T9_7	1.028261	0.040206	0.150018	0.885287	0.89628	UP	452.4099	452.4095	452.4106	9.186542	9.12675
15044	M202T10_	1.061549	0.086172	0.149227	0.885345	0.896286	UP	201.9656	201.9654	201.9658	9.968992	9.859233
15045	M230T11_	1.044007	-0.06213	-0.14886	0.88535	0.896287	DOWN	229.6279	229.6276	229.6286	10.89907	10.85018
15046	M629T25_	1.02348	-0.03348	-0.14884	0.885486	0.896301	DOWN	628.7823	628.7807	628.783	25.20158	25.17267
15047	M420T11_	1.025766	-0.0367	-0.14937	0.885513	0.896304	DOWN	419.576	419.5755	419.5763	10.90553	10.873
15048	M244T9_3	1.066237	-0.09253	-0.14881	0.885562	0.896309	DOWN	243.7381	243.7343	243.7399	9.18975	9.11795
15049	M1215T18	1.035511	0.050343	0.151932	0.885569	0.89631	UP	1214.602	1214.601	1214.603	18.07867	18.05517

15050	M725T10_	1.016408	0.02348	0.149761	0.885625	0.896316	UP	725.0112	725.0099	725.012	9.8397	9.715683
15051	M429T10_	1.048918	-0.0689	-0.14865	0.885681	0.896322	DOWN	428.6871	428.6869	428.6878	9.964092	9.843367
15052	M181T9_1	1.092483	-0.12761	-0.14824	0.885838	0.896338	DOWN	181.1297	181.1294	181.1302	9.3683	9.275917
15053	M696T3	1.073338	-0.1021	-0.14915	0.885866	0.896341	DOWN	695.5064	695.5062	695.5073	3.31915	3.2799
15054	M529T11_	1.048848	-0.06881	-0.14817	0.885881	0.896343	DOWN	528.7327	528.7325	528.7333	11.22177	11.18047
15055	M316T41	1.020179	0.028822	0.14837	0.885942	0.896349	UP	316.1752	316.1751	316.1756	40.50333	40.28033
15056	M241T10_	1.047755	0.067301	0.148221	0.885947	0.896349	UP	241.4622	241.4619	241.4624	9.979342	9.8753
15057	M323T10_	1.037071	-0.05251	-0.14806	0.885975	0.896352	DOWN	322.831	322.8308	322.8313	9.957333	9.843367
15058	M678T10_	1.035602	0.050469	0.149685	0.885993	0.896354	UP	678.4633	678.4623	678.4636	9.834558	9.696683
15059	M633T10_	1.055398	-0.07779	-0.14809	0.886028	0.896358	DOWN	633.1888	633.1883	633.1902	9.95605	9.843367
15060	M440T11_	1.038871	-0.05502	-0.14805	0.886043	0.89636	DOWN	440.3685	440.3684	440.3688	10.90522	10.879
15061	M615T19	1.048956	0.068955	0.149764	0.886077	0.896363	UP	615.028	615.0277	615.0286	18.6435	18.629
15062	M196T10_	1.028355	0.040338	0.151067	0.886078	0.896363	UP	196.4575	196.4574	196.4576	9.8207	9.715683
15063	M1967T10	1.040903	-0.05783	-0.14787	0.886103	0.896366	DOWN	1966.626	1966.62	1966.629	9.946467	9.859233
15064	M232T11_	1.035748	-0.05067	-0.14789	0.886123	0.896368	DOWN	231.8746	231.8743	231.8748	10.8914	10.879
15065	M907T10	1.034457	0.048873	0.14985	0.886138	0.896369	UP	906.6843	906.6829	906.6846	10.16158	9.864767
15066	M313T9_8	1.021845	-0.03118	-0.14768	0.886253	0.896382	DOWN	313.1668	313.1665	313.1671	9.289892	9.129317
15067	M317T28	1.024023	-0.03425	-0.14909	0.886311	0.896388	DOWN	317.3241	317.3239	317.3243	28.12742	28.11333
15068	M893T35	1.0517	0.072723	0.14746	0.886455	0.896403	UP	892.6209	892.6201	892.6219	35.43042	35.401
15069	M258T9_4	1.08421	0.116645	0.147405	0.886462	0.896403	UP	258.0307	258.0304	258.0308	9.064833	9.031633
15070	M481T11_	1.021009	0.029995	0.147898	0.886517	0.896409	UP	481.0187	481.0181	481.019	10.89875	10.8646
15071	M899T10_	1.03413	-0.04842	-0.14795	0.886544	0.896412	DOWN	899.2489	899.2483	899.2495	9.960967	9.859233
15072	M420T10_	1.029211	0.041539	0.14999	0.886549	0.896413	UP	419.9349	419.9345	419.9351	9.939575	9.827283
15073	M433T22	1.026177	0.037279	0.147584	0.886609	0.896419	UP	433.3139	433.3133	433.3145	21.68233	21.65233
15074	M541T12	1.02883	-0.04101	-0.14954	0.886613	0.896419	DOWN	541.372	541.3719	541.3721	11.63499	11.60717
15075	M265T9_1	1.03609	-0.05115	-0.14977	0.886729	0.896431	DOWN	264.6675	264.667	264.6678	8.889467	8.847333
15076	M503T10_	1.044716	0.063111	0.147053	0.886731	0.896432	UP	503.0581	503.0577	503.0587	9.967367	9.859233
15077	M569T9_3	1.058996	-0.0827	-0.14855	0.886739	0.896432	DOWN	569.2279	569.2269	569.2282	9.429367	9.38595
15078	M224T7_1	1.037092	0.052544	0.147094	0.886749	0.896433	UP	224.1619	224.1618	224.1619	6.750783	6.677617
15079	M181T9_2	1.050046	0.070453	0.146921	0.886837	0.896443	UP	181.4213	181.4211	181.4214	9.332142	9.126783
15080	M391T17	1.018882	0.026987	0.148266	0.886887	0.896448	UP	391.2951	391.2949	391.2953	16.91358	16.88433
15081	M637T9_2	1.064363	0.08999	0.147838	0.886912	0.896451	UP	636.9771	636.9767	636.9798	9.159725	9.133667
15082	M250T7_2	1.053722	-0.07549	-0.14755	0.887001	0.89646	DOWN	250.1602	250.16	250.1677	7.056233	6.790933
15083	M426T11_	1.028224	0.040155	0.146567	0.887104	0.896471	UP	426.4298	426.4296	426.43	10.91152	10.879
15084	M815T10_	1.034013	-0.04825	-0.14759	0.887164	0.896477	DOWN	814.8183	814.8173	814.8185	9.964092	9.859233

15085	M317T9_7	1.056575	-0.07939	-0.14732	0.887171	0.896478	DOWN	317.463	317.4627	317.463	9.29345	9.250817
15086	M257T10_	1.031956	0.045381	0.146804	0.887189	0.89648	UP	256.7847	256.7844	256.7849	9.962617	9.859233
15087	M315T25_	1.057598	-0.08079	-0.14627	0.887411	0.896503	DOWN	314.8944	314.8942	314.8946	25.257	25.20167
15088	M524T43_	1.050624	-0.07125	-0.14949	0.887453	0.896507	DOWN	524.3061	524.3059	524.3063	42.7545	42.53883
15089	M791T22	1.027031	-0.03848	-0.14632	0.887558	0.896518	DOWN	790.5524	790.552	790.5528	22.12858	22.117
15090	M482T10_	1.059345	0.083172	0.146665	0.887651	0.896528	UP	482.379	482.3774	482.3803	10.04175	9.859233
15091	M518T9_1	1.051447	-0.07238	-0.14588	0.887772	0.89654	DOWN	517.8577	517.8567	517.8594	8.849475	8.730433
15092	M478T21_	1.049837	-0.07016	-0.14582	0.887781	0.896541	DOWN	478.3521	478.3519	478.3524	21.46542	21.44967
15093	M1285T10	1.034044	-0.0483	-0.14601	0.887824	0.896546	DOWN	1285.061	1285.057	1285.067	9.94405	9.8753
15094	M730T11_	1.016125	-0.02308	-0.14663	0.887943	0.896558	DOWN	729.5256	729.5251	729.5257	10.61813	10.5836
15095	M286T25	1.025388	0.03617	0.146429	0.88797	0.896561	UP	286.2737	286.2735	286.274	25.16633	25.15567
15096	M396T11_	1.02172	0.030999	0.145711	0.88804	0.896568	UP	396.0478	396.0475	396.048	10.892	10.8646
15097	M428T9_5	1.107202	0.146919	0.147581	0.888085	0.896573	UP	428.2224	428.2165	428.2309	9.3907	9.191283
15098	M313T22_	1.065133	-0.09103	-0.14594	0.88819	0.896584	DOWN	313.2198	313.2197	313.2202	22.05333	22.01333
15099	M329T9_1	1.124608	-0.16942	-0.14526	0.888261	0.896592	DOWN	328.9413	328.9409	328.9414	9.088183	9.031633
15100	M349T10_	1.022828	-0.03256	-0.14547	0.888325	0.896598	DOWN	348.8158	348.8154	348.816	9.979342	9.859233
15101	M430T9_1	1.026224	0.037346	0.145073	0.888329	0.896599	UP	429.5272	429.5262	429.5292	9.27355	9.129317
15102	M539T10_	1.040132	-0.05677	-0.14526	0.888425	0.896609	DOWN	539.2216	539.2214	539.222	9.964092	9.8753
15103	M684T18	1.043416	0.061314	0.145913	0.888436	0.89661	UP	683.5108	683.5096	683.5109	18.066	18.0195
15104	M399T10_	1.031314	0.044483	0.147408	0.888467	0.896613	UP	398.9298	398.929	398.9303	9.944392	9.827283
15105	M256T11_	1.037567	-0.05321	-0.14489	0.88849	0.896615	DOWN	255.5264	255.5262	255.5272	10.91734	10.87487
15106	M340T10_	1.228092	-0.29642	-0.14491	0.888515	0.896618	DOWN	340.3256	340.317	340.3274	9.874067	9.77435
15107	M399T11_	1.055013	-0.07726	-0.14473	0.888516	0.896618	DOWN	398.7954	398.7952	398.7956	10.89193	10.8646
15108	M836T13	1.06079	-0.08514	-0.14576	0.888654	0.896633	DOWN	836.4493	836.4482	836.4503	13.1346	13.1129
15109	M350T10_	1.025117	0.035788	0.144817	0.888872	0.896655	UP	349.7524	349.7521	349.7529	9.823575	9.715683
15110	M484T10_	1.028722	-0.04085	-0.14429	0.888924	0.896661	DOWN	483.6373	483.636	483.6377	9.962617	9.859233
15111	M1718T10	1.024843	0.035403	0.145312	0.88893	0.896661	UP	1718.247	1718.244	1718.252	9.829325	9.73145
15112	M395T9_8	1.118611	0.161708	0.144052	0.889041	0.896673	UP	395.2355	395.2341	395.2435	9.032083	8.8398
15113	M737T9	1.082432	-0.11428	-0.14441	0.889046	0.896673	DOWN	736.7708	736.7696	736.7718	9.3332	9.234417
15114	M1133T10	1.037631	-0.05329	-0.14394	0.889247	0.896694	DOWN	1133.469	1133.466	1133.473	9.825342	9.699733
15115	M687T10_	1.040167	-0.05682	-0.14372	0.889281	0.896698	DOWN	687.3988	687.3983	687.4002	9.845208	9.746783
15116	M243T27	1.077059	-0.1071	-0.14478	0.889287	0.896699	DOWN	243.1352	243.1351	243.1353	27.24867	27.22733
15117	M1336T10	1.052256	-0.07349	-0.1442	0.889291	0.896699	DOWN	1336.183	1336.181	1336.186	9.967367	9.859233
15118	M754T9	1.068274	0.095282	0.144119	0.889328	0.896703	UP	753.669	753.667	753.6712	9.363217	9.0511
15119	M893T11_	1.023817	-0.03396	-0.14344	0.889567	0.896728	DOWN	893.1415	893.1406	893.142	10.90628	10.8646



15120	M371T11_	1.075661	0.105223	0.143658	0.889573	0.896728	UP	371.0823	371.082	371.0836	10.91782	10.88747
15121	M330T10_	1.062465	-0.08741	-0.14374	0.889636	0.896735	DOWN	330.4005	330.3897	330.401	9.960967	9.816167
15122	M1377T10	1.026677	-0.03798	-0.14458	0.889644	0.896736	DOWN	1376.771	1376.769	1376.772	10.03167	9.923533
15123	M377T11_	1.047618	0.067113	0.143226	0.889775	0.896749	UP	377.4581	377.4564	377.459	10.90553	10.8926
15124	M349T10_	1.008765	-0.01259	-0.14523	0.88997	0.89677	DOWN	348.8637	348.8636	348.8638	9.8397	9.73145
15125	M340T10_	1.174961	0.232613	0.142783	0.889999	0.896773	UP	340.422	340.4213	340.4349	9.863258	9.73145
15126	M206T32	1.029176	-0.04149	-0.14379	0.890001	0.896773	DOWN	206.089	206.0889	206.0891	32.46017	32.44567
15127	M536T10_	1.044254	-0.06247	-0.14395	0.890064	0.896779	DOWN	535.6683	535.668	535.6693	9.968992	9.859233
15128	M152T10_	1.030809	-0.04378	-0.14262	0.890173	0.896791	DOWN	151.8121	151.8121	151.8124	9.970617	9.886083
15129	M181T10_	1.054804	-0.07698	-0.14296	0.89031	0.896805	DOWN	180.6645	180.6642	180.6646	9.968992	9.869467
15130	M483T10_	1.055719	-0.07823	-0.14257	0.890389	0.896813	DOWN	482.5628	482.5625	482.563	9.967367	9.8753
15131	M703T10_	1.024901	-0.03548	-0.14285	0.890432	0.896818	DOWN	703.1638	703.1631	703.1641	9.830283	9.699733
15132	M177T10_	1.03152	0.044771	0.142667	0.890456	0.89682	UP	177.2636	177.2635	177.2637	9.8374	9.743767
15133	M258T11_	1.046709	-0.06586	-0.14226	0.890497	0.896824	DOWN	257.6397	257.6395	257.6484	10.84487	10.82935
15134	M431T9_4	1.047563	0.067037	0.143523	0.890508	0.896826	UP	430.9248	430.9221	430.9274	9.2468	9.07525
15135	M551T10_	1.043679	0.061679	0.144866	0.890542	0.896829	UP	551.1468	551.1464	551.1473	9.945775	9.827283
15136	M1242T10	1.032708	-0.04643	-0.14359	0.890558	0.896831	DOWN	1242.092	1242.09	1242.092	9.968992	9.853533
15137	M406T43_	1.054471	0.076519	0.144326	0.890607	0.896836	UP	406.207	406.2068	406.207	42.61083	42.4095
15138	M331T11_	1.033354	0.047335	0.142504	0.890625	0.896838	UP	330.7098	330.7093	330.7114	10.92208	10.8914
15139	M195T10_	1.026095	-0.03716	-0.14245	0.890657	0.896841	DOWN	195.2016	195.2013	195.2018	9.917167	9.811217
15140	M482T11_	1.03134	0.04452	0.143947	0.890683	0.896844	UP	482.2865	482.2836	482.2871	10.93208	10.879
15141	M813T21	1.021933	-0.0313	-0.14176	0.890781	0.896854	DOWN	812.535	812.5347	812.5352	21.42867	21.42067
15142	M1610T10	1.07131	0.099376	0.141928	0.890802	0.896856	UP	1610.368	1610.366	1610.37	9.931675	9.843367
15143	M433T9_4	1.026064	-0.03712	-0.14168	0.890866	0.896863	DOWN	432.8503	432.8497	432.8513	9.28135	9.129317
15144	M416T41_	1.013999	-0.02006	-0.14566	0.890997	0.896876	DOWN	416.2641	416.2639	416.2642	41.33033	41.28733
15145	M460T11_	1.03917	-0.05543	-0.14104	0.891329	0.896911	DOWN	460.4121	460.4117	460.4137	10.93231	10.88747
15146	M298T11_	1.017999	-0.02574	-0.14164	0.89133	0.896911	DOWN	298.2068	298.2066	298.2069	11.48993	11.47298
15147	M854T10_	1.04559	-0.06432	-0.14256	0.891334	0.896911	DOWN	853.5272	853.5238	853.5292	9.952017	9.843367
15148	M390T10_	1.06103	0.085466	0.141121	0.891346	0.896913	UP	390.1201	390.1196	390.124	9.944742	9.859233
15149	M1988T10	1.051532	-0.07249	-0.14349	0.891435	0.896922	DOWN	1988.344	1988.341	1988.349	9.8374	9.715683
15150	M384T27	1.018508	-0.02646	-0.14074	0.891561	0.896935	DOWN	384.3468	384.3466	384.3469	26.83892	26.82383
15151	M350T45_	1.026509	-0.03775	-0.14067	0.891608	0.89694	DOWN	350.2172	350.2171	350.2173	44.6385	44.55233
15152	M297T10_	1.022127	-0.03157	-0.14109	0.891717	0.896951	DOWN	297.3267	297.3265	297.3268	9.970617	9.859233
15153	M762T36	1.034136	-0.04843	-0.14051	0.891787	0.896958	DOWN	761.5454	761.545	761.546	35.92033	35.895
15154	M862T11_	1.042134	-0.05954	-0.1406	0.891821	0.896962	DOWN	862.4889	862.4881	862.4908	10.76654	10.69123

15155	M305T11_	1.029721	0.042253	0.141584	0.89202	0.896982	UP	304.6183	304.6178	304.6201	10.92598	10.88747
15156	M318T11_	1.033962	-0.04818	-0.14019	0.892046	0.896985	DOWN	318.3732	318.3726	318.3745	10.92487	10.87487
15157	M606T10_	1.032416	-0.04602	-0.14251	0.892103	0.896991	DOWN	605.8836	605.8829	605.885	9.65565	9.52595
15158	M172T10_	1.043629	-0.06161	-0.14069	0.892114	0.896992	DOWN	171.9263	171.926	171.9265	9.968992	9.859233
15159	M238T9_1	1.098182	-0.13512	-0.14074	0.892115	0.896992	DOWN	237.8529	237.852	237.8534	9.280767	9.204617
15160	M751T10_	1.031331	0.044507	0.140776	0.892144	0.896995	UP	751.4203	751.4197	751.4205	10.38895	10.32768
15161	M390T11_	1.020154	-0.02879	-0.14036	0.892149	0.896996	DOWN	389.6929	389.6926	389.6932	10.892	10.879
15162	M554T11_	1.039308	-0.05562	-0.14109	0.892201	0.897001	DOWN	554.0387	554.0357	554.0394	10.92593	10.879
15163	M454T10_	1.025087	-0.03575	-0.14232	0.892366	0.897018	DOWN	454.4367	454.4363	454.4368	9.866992	9.853633
15164	M245T39_	1.040013	0.056601	0.143593	0.892507	0.897033	UP	245.1381	245.1379	245.1382	39.44567	39.3595
15165	M554T29_	1.045893	0.064735	0.140151	0.89254	0.897036	UP	554.3961	554.3955	554.397	28.75283	28.70617
15166	M228T25	1.025069	-0.03572	-0.13944	0.892553	0.897038	DOWN	228.2681	228.2679	228.2683	25.22333	25.20267
15167	M520T9_5	1.121565	0.165513	0.141004	0.892558	0.897038	UP	519.94	519.9392	519.9406	9.211342	9.06855
15168	M492T9_1	1.033768	0.047913	0.139632	0.892583	0.897041	UP	491.7944	491.7938	491.7957	9.150858	9.05865
15169	M254T10_	1.037055	-0.05249	-0.14094	0.892774	0.897061	DOWN	253.6205	253.6202	253.6207	9.758283	9.636483
15170	M952T10_	1.078735	0.109341	0.139915	0.892853	0.897069	UP	952.3793	952.3782	952.3797	9.8374	9.830083
15171	M1130T10	1.033979	0.048207	0.139889	0.893006	0.897084	UP	1129.618	1129.616	1129.622	9.851025	9.73145
15172	M365T9_5	1.041805	0.059086	0.140171	0.893038	0.897088	UP	364.749	364.7478	364.7515	9.16125	9.111033
15173	M482T11_	1.036131	0.051207	0.141959	0.893092	0.897093	UP	482.217	482.2166	482.2291	10.87703	10.8214
15174	M207T11_	1.041043	-0.05803	-0.13862	0.893296	0.897114	DOWN	207.4629	207.4627	207.4636	10.89875	10.89125
15175	M382T10_	1.07135	0.09943	0.140242	0.89334	0.897119	UP	381.7404	381.7401	381.7408	10.30302	10.23087
15176	M682T10_	1.013484	0.019323	0.139485	0.893353	0.89712	UP	682.4774	682.4768	682.4784	9.830558	9.715683
15177	M758T10_	1.026803	-0.03816	-0.13821	0.893493	0.897135	DOWN	758.1805	758.1789	758.1807	9.968992	9.859233
15178	M614T10_	1.02104	-0.03004	-0.13944	0.89351	0.897137	DOWN	614.4205	614.4202	614.4208	10.39613	10.34372
15179	M153T9_2	1.051287	0.072156	0.1408	0.893513	0.897137	UP	152.8081	152.8076	152.8083	9.275917	9.234417
15180	M700T10_	1.011781	-0.0169	-0.1387	0.893518	0.897137	DOWN	700.012	700.0117	700.0123	9.858983	9.747533
15181	M464T10_	1.031606	0.044892	0.139725	0.893549	0.897141	UP	464.2464	464.2457	464.2468	9.849433	9.801833
15182	M466T10_	1.00738	0.010607	0.141603	0.893563	0.897142	UP	465.8114	465.8111	465.8116	9.818583	9.683817
15183	M1151T10	1.028887	-0.04108	-0.13809	0.893709	0.897157	DOWN	1151.199	1151.198	1151.2	9.972917	9.859233
15184	M1031T10	1.039702	-0.05617	-0.13942	0.893754	0.897162	DOWN	1031.151	1031.15	1031.153	9.968992	9.853533
15185	M360T32	1.027103	-0.03858	-0.13907	0.893784	0.897165	DOWN	360.3106	360.3105	360.3108	32.30858	32.27183
15186	M259T24_	1.059663	-0.08361	-0.13961	0.89379	0.897165	DOWN	259.1648	259.1647	259.1652	24.20383	24.18517
15187	M258T9_5	1.121914	0.165962	0.137696	0.893893	0.897176	UP	258.4318	258.4317	258.432	9.055958	9.046783
15188	M706T30	1.028301	-0.04026	-0.13852	0.893947	0.897182	DOWN	705.519	705.5185	705.5192	30.25217	30.25117
15189	M273T10_	1.027747	0.039485	0.137625	0.893966	0.897184	UP	273.4273	273.4269	273.4275	9.968992	9.843367

15190	M564T43_	1.031197	0.044319	0.139904	0.894015	0.897189	UP	564.3012	564.3011	564.3015	43.27975	43.05683
15191	M518T10_	1.020266	-0.02894	-0.14066	0.89409	0.897196	DOWN	518.4825	518.4819	518.4839	9.957333	9.843367
15192	M507T11_	1.036547	0.051785	0.13833	0.894186	0.897206	UP	506.5758	506.5754	506.5776	10.92378	10.87487
15193	M683T10_	1.043145	0.06094	0.137969	0.894357	0.897224	UP	682.6666	682.6658	682.6675	9.967367	9.843367
15194	M613T10_	1.043072	-0.06084	-0.13774	0.894383	0.897227	DOWN	613.4802	613.4795	613.4804	9.968992	9.859233
15195	M532T41_	1.029822	0.042395	0.139742	0.894407	0.897229	UP	532.3112	532.311	532.3117	41.2155	41.086
15196	M474T10_	1.027524	0.039172	0.140035	0.894636	0.897253	UP	473.8405	473.8402	473.8414	9.633442	9.510117
15197	M438T9_8	1.051324	-0.07221	-0.13684	0.894673	0.897257	DOWN	438.2392	438.2385	438.2395	8.941383	8.749883
15198	M656T10_	1.022947	-0.03273	-0.13917	0.894678	0.897257	DOWN	656.3746	656.3731	656.375	9.964092	9.843367
15199	M368T11_	1.036792	0.052126	0.13659	0.89474	0.897263	UP	367.614	367.6135	367.6144	10.90765	10.879
15200	M499T9_4	1.021991	-0.03138	-0.13708	0.894761	0.897266	DOWN	498.9432	498.9421	498.9451	9.197983	9.12675
15201	M386T11_	1.028109	0.039993	0.136614	0.894773	0.897267	UP	385.7605	385.7603	385.7607	10.8926	10.873
15202	M506T23	1.037166	0.052646	0.136677	0.894815	0.897271	UP	505.8446	505.8443	505.845	22.58133	22.55733
15203	M695T10_	1.062486	0.087445	0.137042	0.89486	0.897276	UP	694.8052	694.8039	694.8058	9.823575	9.681183
15204	M376T10_	1.037295	0.052826	0.136525	0.894889	0.897279	UP	375.6608	375.6606	375.661	9.968992	9.859233
15205	M637T14	1.036861	-0.05222	-0.13635	0.894912	0.897281	DOWN	637.49	637.4891	637.4904	14.01934	13.96093
15206	M463T10_	1.033895	0.04809	0.138326	0.89498	0.897288	UP	462.8499	462.8497	462.8504	9.636225	9.510117
15207	M207T9_2	1.060275	0.084439	0.138234	0.89513	0.897304	UP	207.3459	207.3451	207.3467	9.311167	9.132267
15208	M616T10_	1.036074	-0.05113	-0.13607	0.895176	0.897308	DOWN	615.9523	615.952	615.9527	9.816167	9.715683
15209	M154T10_	1.063075	0.088243	0.135966	0.895247	0.897316	UP	154.1894	154.1894	154.1896	9.946467	9.827283
15210	M351T9_1	1.045023	-0.06353	-0.13598	0.895295	0.897321	DOWN	351.2708	351.2701	351.2736	9.160617	9.06855
15211	M202T10_	1.041831	0.059121	0.138143	0.895301	0.897321	UP	201.6202	201.6179	201.6205	9.946367	9.77355
15212	M346T40	1.035611	-0.05048	-0.13541	0.895636	0.897356	DOWN	346.1859	346.1858	346.1861	40.07883	39.70483
15213	M214T9_1	1.088932	0.122914	0.135529	0.895677	0.89736	UP	214.0664	214.0658	214.0669	9.37135	9.1602
15214	M266T10_	1.030931	0.043948	0.135417	0.895685	0.897361	UP	266.27	266.2698	266.2702	9.967533	9.859233
15215	M436T9_1	1.016286	0.023306	0.135391	0.8958	0.897373	UP	436.482	436.4813	436.4834	9.190517	9.129317
15216	M190T9_5	1.044638	0.063003	0.135368	0.895845	0.897377	UP	190.1243	190.1242	190.1246	8.893	8.818733
15217	M408T10_	1.015302	-0.02191	-0.13538	0.895881	0.897381	DOWN	407.9143	407.9138	407.9202	9.945775	9.843367
15218	M665T10_	1.044212	-0.06241	-0.13508	0.895882	0.897381	DOWN	665.4964	665.4963	665.4982	9.702783	9.67075
15219	M253T20	1.03291	0.046715	0.13769	0.895997	0.897393	UP	253.1795	253.1794	253.1797	20.3745	20.36067
15220	M770T10	1.041014	-0.05799	-0.13536	0.896048	0.897398	DOWN	769.6219	769.6216	769.6226	9.951283	9.843367
15221	M448T11_	1.026658	0.037956	0.135412	0.896106	0.897404	UP	448.0771	448.0766	448.0775	10.89875	10.879
15222	M454T10_	1.034736	0.049262	0.138832	0.896155	0.897409	UP	454.3454	454.3449	454.346	10.34318	10.00385
15223	M406T10_	1.029714	0.042243	0.134762	0.896159	0.897409	UP	405.6269	405.6265	405.627	9.972917	9.8753
15224	M333T19_	1.053434	0.0751	0.134898	0.896164	0.89741	UP	333.1671	333.1658	333.1675	18.90817	18.89217

15225	M287T10_	1.05244	-0.07374	-0.13479	0.896166	0.89741	DOWN	286.9609	286.9609	286.9611	9.985117	9.960967
15226	M227T13	1.053701	-0.07547	-0.1385	0.896185	0.897412	DOWN	227.1752	227.1646	227.1753	13.03286	12.98105
15227	M548T40_	1.013784	0.019751	0.136054	0.896295	0.897423	UP	548.3061	548.306	548.3068	40.06617	40.007
15228	M220T11_	1.041282	-0.05836	-0.13481	0.896369	0.897431	DOWN	219.8557	219.8555	219.8558	10.892	10.87487
15229	M219T10_	1.026882	0.03827	0.135609	0.896376	0.897432	UP	218.662	218.6619	218.6621	10.42217	10.38893
15230	M698T10_	1.029938	0.042558	0.136121	0.896462	0.897441	UP	698.4452	698.4444	698.4474	9.825492	9.7124
15231	M389T9_1	1.054726	0.076869	0.134344	0.896472	0.897442	UP	388.8025	388.802	388.8026	9.289208	9.0637
15232	M234T11_	1.025175	-0.03587	-0.13432	0.896534	0.897448	DOWN	233.6448	233.6446	233.6449	10.90553	10.879
15233	M520T43_	1.026117	-0.0372	-0.13766	0.89662	0.897457	DOWN	520.275	520.2747	520.2752	43.44517	43.40183
15234	M641T18	1.013111	-0.01879	-0.13601	0.89667	0.897462	DOWN	641.4609	641.4607	641.4611	18.01525	17.99367
15235	M257T9_1	1.133112	0.180291	0.134119	0.896726	0.897468	UP	256.8258	256.8257	256.8262	8.858283	8.818733
15236	M668T9_1	1.035881	0.050858	0.134446	0.896735	0.897469	UP	667.9506	667.9501	667.9512	8.743408	8.667783
15237	M327T29_	1.042603	-0.06019	-0.13545	0.89676	0.897471	DOWN	327.0779	327.0776	327.0781	28.88558	28.8605
15238	M1069T9	1.067686	-0.09449	-0.13432	0.896775	0.897473	DOWN	1069.344	1069.343	1069.346	9.059158	9.031633
15239	M388T11_	1.018112	-0.0259	-0.13419	0.897234	0.89752	DOWN	388.204	388.2039	388.2042	10.89875	10.879
15240	M193T9_8	1.056301	0.079021	0.133297	0.897262	0.897523	UP	193.1765	193.1752	193.1775	9.338375	9.089733
15241	M433T11_	1.075553	-0.10508	-0.13359	0.897304	0.897527	DOWN	433.2577	433.2546	433.2595	10.93655	10.87765
15242	M447T10_	1.048585	-0.06844	-0.13399	0.897331	0.89753	DOWN	447.1571	447.157	447.1623	9.948875	9.843367
15243	M388T17	1.022425	0.031995	0.13367	0.897421	0.897539	UP	387.5871	387.5866	387.5872	16.51929	16.49078
15244	M225T11_	1.034823	0.049384	0.133224	0.897447	0.897542	UP	224.7876	224.7876	224.7877	10.90548	10.8926
15245	M292T44_	1.030509	0.043358	0.133289	0.897546	0.897552	UP	292.1752	292.175	292.1752	44.39383	44.2215
15246	M1614T10	1.072216	-0.1006	-0.13294	0.897589	0.897556	DOWN	1614.028	1614.026	1614.029	9.946467	9.827283
15247	M422T39	1.072657	-0.10119	-0.13309	0.89764	0.897561	DOWN	422.3988	422.3986	422.3993	38.71217	38.71183
15248	M220T9_7	1.076077	0.105782	0.132981	0.897831	0.897581	UP	219.8546	219.8523	219.8562	9.356617	9.111033
15249	M356T10_	1.013558	0.019429	0.134432	0.898016	0.8976	UP	356.1515	356.1511	356.1517	9.830183	9.715683
15250	M317T10_	1.003361	-0.00484	-0.13458	0.898155	0.897614	DOWN	316.7417	316.7416	316.7425	9.973517	9.885167
15251	M325T10_	1.099217	-0.13648	-0.1325	0.898281	0.897627	DOWN	324.9122	324.9113	324.9127	9.816242	9.729367
15252	M208T10_	1.03631	0.051456	0.134485	0.898399	0.897639	UP	208.4918	208.4917	208.4919	9.92825	9.827283
15253	M497T11_	1.038269	0.054181	0.131999	0.898472	0.897647	UP	497.0605	497.0586	497.0616	10.8926	10.8646
15254	M452T9_1	1.044242	-0.06246	-0.13433	0.898477	0.897647	DOWN	451.5507	451.5502	451.5511	9.176533	9.129317
15255	M195T23_	1.019034	0.027203	0.132936	0.898493	0.897649	UP	195.174	195.1739	195.1741	22.8135	22.78483
15256	M210T10_	1.14757	-0.19858	-0.13171	0.898495	0.897649	DOWN	210.0844	210.0841	210.0922	9.830558	9.816167
15257	M634T10_	1.054239	-0.0762	-0.13166	0.898568	0.897656	DOWN	634.0912	634.0908	634.0924	9.960817	9.843367
15258	M565T11	1.026169	-0.03727	-0.13416	0.898668	0.897667	DOWN	564.6764	564.6754	564.6769	10.68888	10.63083
15259	M655T11_	1.026005	-0.03704	-0.1316	0.898707	0.89767	DOWN	655.2586	655.2583	655.259	11.47905	11.4686

15260	M362T10_	1.039706	0.056175	0.13128	0.8988	0.89768	UP	361.7588	361.7584	361.7592	9.9351	9.8378
15261	M676T10_	1.043398	-0.06129	-0.13151	0.898996	0.8977	DOWN	675.8822	675.8815	675.8827	9.940783	9.843367
15262	M263T16	1.037648	-0.05332	-0.13215	0.899042	0.897705	DOWN	263.2406	263.2405	263.2406	16.06687	16.05235
15263	M636T10_	1.096697	-0.13316	-0.13109	0.899048	0.897705	DOWN	635.7657	635.7652	635.7682	9.801808	9.699733
15264	M167T10_	1.029344	0.041725	0.13207	0.899119	0.897713	UP	167.324	167.3237	167.3241	9.74925	9.636483
15265	M351T10_	1.028499	0.040541	0.132091	0.899168	0.897718	UP	351.0429	351.0422	351.043	9.7468	9.62055
15266	M342T10_	1.024834	0.035391	0.130894	0.899196	0.897721	UP	342.3335	342.3333	342.334	9.8207	9.715683
15267	M245T9_3	1.03115	-0.04425	-0.13068	0.899305	0.897732	DOWN	244.9269	244.9248	244.928	9.279417	9.111033
15268	M473T10_	1.052096	0.073266	0.131861	0.899447	0.897746	UP	472.9811	472.9807	472.9817	9.955875	9.811217
15269	M568T10_	1.085914	0.118909	0.132336	0.899494	0.897751	UP	567.7347	567.7345	567.7348	9.956867	9.8753
15270	M181T10_	1.056927	-0.07988	-0.13115	0.899512	0.897753	DOWN	181.2343	181.2341	181.2343	9.967367	9.859233
15271	M315T10_	1.057437	-0.08057	-0.13037	0.899582	0.89776	DOWN	314.5628	314.5551	314.563	9.94405	9.840617
15272	M731T10_	1.102616	0.140931	0.130247	0.899663	0.897768	UP	731.2615	731.2609	731.2618	9.918242	9.811217
15273	M253T9_2	1.043623	-0.0616	-0.13008	0.899717	0.897774	DOWN	252.738	252.7347	252.7386	9.280767	9.103733
15274	M258T11_	1.018274	0.026126	0.130047	0.899743	0.897776	UP	258.2041	258.2038	258.2042	10.93442	10.877
15275	M812T11_	1.01838	0.026276	0.129992	0.899783	0.89778	UP	811.5733	811.5726	811.574	10.892	10.879
15276	M497T9_3	1.035849	0.050814	0.132747	0.899786	0.897781	UP	496.717	496.7156	496.7173	9.168575	9.12675
15277	M315T30	1.027696	0.039413	0.131374	0.899884	0.897791	UP	315.1355	315.1352	315.1357	29.8195	29.7905
15278	M645T10_	1.085951	-0.11896	-0.12991	0.899962	0.897799	DOWN	644.9685	644.9677	644.9697	9.8235	9.699733
15279	M450T9_6	1.032032	-0.04549	-0.13055	0.900166	0.897819	DOWN	450.1168	450.1166	450.1171	9.277967	9.129317
15280	M356T10_	1.013152	-0.01885	-0.13114	0.900167	0.89782	DOWN	356.3401	356.3394	356.3404	9.82645	9.715683
15281	M194T11_	1.042229	0.059672	0.130093	0.900204	0.897823	UP	194.3605	194.3604	194.3608	10.8926	10.89125
15282	M217T10_	1.061171	-0.08566	-0.12939	0.900277	0.897831	DOWN	216.5258	216.5161	216.5268	9.836417	9.79535
15283	M352T10_	1.034905	-0.0495	-0.12933	0.900357	0.897839	DOWN	352.2252	352.2248	352.2253	9.964092	9.843367
15284	M442T13	1.036246	0.051366	0.129136	0.90046	0.897849	UP	442.3373	442.3371	442.3376	12.71899	12.64618
15285	M637T9_3	1.044109	0.062272	0.129159	0.900481	0.897852	UP	637.0905	637.0858	637.0925	9.4098	9.064833
15286	M463T9	1.020198	-0.02885	-0.13251	0.900581	0.897862	DOWN	462.6941	462.6937	462.6949	9.300733	9.234417
15287	M986T10	1.026079	0.037142	0.12901	0.900694	0.897873	UP	985.5087	985.5083	985.5093	9.872883	9.806367
15288	M475T10_	1.057829	0.081107	0.129227	0.900771	0.897881	UP	474.9652	474.9652	474.9656	9.946408	9.843367
15289	M791T11_	1.04138	-0.0585	-0.12871	0.900772	0.897881	DOWN	791.4779	791.4771	791.4787	10.8926	10.8646
15290	M428T10_	1.036096	-0.05116	-0.12869	0.900786	0.897883	DOWN	428.4024	428.4018	428.4032	9.949233	9.843367
15291	M207T10_	1.094301	0.13001	0.128769	0.900889	0.897893	UP	207.1064	207.1017	207.1102	9.836042	9.7124
15292	M461T11_	1.018461	-0.02639	-0.12885	0.900967	0.897901	DOWN	461.3238	461.3236	461.3242	10.892	10.879
15293	M363T9_2	1.043225	0.06105	0.129502	0.90106	0.89791	UP	362.6271	362.627	362.6274	9.24215	9.234417
15294	M166T10_	1.015574	-0.02229	-0.1314	0.901079	0.897912	DOWN	166.2534	166.2532	166.2553	9.880233	9.746783

15295	M733T25	1.024921	-0.03551	-0.13017	0.901102	0.897915	DOWN	732.547	732.5468	732.5473	25.246	25.204
15296	M599T10_	1.03278	-0.04653	-0.12852	0.901122	0.897917	DOWN	598.5882	598.5878	598.5886	9.872067	9.779267
15297	M266T19	1.013886	0.019895	0.128963	0.901271	0.897932	UP	266.2476	266.2475	266.2478	18.95217	18.951
15298	M962T10_	1.027646	0.039343	0.129133	0.901272	0.897932	UP	962.0586	962.0572	962.0607	9.97155	9.859233
15299	M433T10_	1.037704	0.053395	0.127536	0.901701	0.897976	UP	432.6286	432.6281	432.629	9.977442	9.859233
15300	M619T10_	1.058286	-0.08173	-0.12743	0.901814	0.897987	DOWN	618.8638	618.8637	618.8648	10.39379	10.38782
15301	M340T10_	1.033204	0.047125	0.129248	0.901891	0.897995	UP	340.1139	340.1136	340.114	9.830283	9.743667
15302	M293T10_	1.037369	-0.05293	-0.12747	0.90198	0.898004	DOWN	292.8908	292.8904	292.891	9.968992	9.8753
15303	M1487T10	1.036321	0.051471	0.13028	0.902021	0.898008	UP	1486.765	1486.763	1486.766	9.9468	9.827283
15304	M914T11	1.040716	0.057577	0.126636	0.902381	0.898045	UP	913.8046	913.8039	913.8056	10.8926	10.89125
15305	M190T11_	1.034624	-0.04911	-0.12675	0.902527	0.898059	DOWN	190.3653	190.3651	190.3656	10.90785	10.90012
15306	M169T9_1	1.038216	-0.05411	-0.12661	0.902606	0.898067	DOWN	168.7002	168.7	168.7004	9.245133	9.216183
15307	M307T10_	1.02953	0.041986	0.126193	0.902703	0.898077	UP	306.6201	306.6196	306.6203	9.977442	9.8753
15308	M433T9_3	1.026667	-0.03797	-0.12715	0.902759	0.898083	DOWN	432.7862	432.7855	432.7874	9.222942	9.129317
15309	M300T30_	1.024187	-0.03448	-0.12618	0.902807	0.898088	DOWN	300.3257	300.325	300.326	29.86267	29.86233
15310	M347T10_	1.120834	0.164572	0.126238	0.902845	0.898092	UP	346.5143	346.5099	346.515	9.830558	9.715683
15311	M415T10_	1.019895	-0.02842	-0.12693	0.902925	0.8981	DOWN	414.5982	414.5977	414.5985	9.992125	9.8753
15312	M385T10_	1.004731	0.00681	-0.12686	0.90298	0.898105	UP	384.6693	384.6692	384.6693	9.972833	9.9009
15313	M443T10_	1.027499	0.039137	0.125808	0.90304	0.898112	UP	443.1971	443.1965	443.1973	9.946467	9.843367
15314	M501T10_	1.037784	0.053507	0.125933	0.90309	0.898117	UP	500.594	500.5935	500.5954	9.979342	9.8753
15315	M345T10_	1.05131	0.072187	0.125654	0.903116	0.898119	UP	345.4391	345.4328	345.4394	9.831517	9.699733
15316	M760T10_	1.028457	-0.04048	-0.12566	0.903198	0.898128	DOWN	759.5817	759.5806	759.5823	9.960817	9.859233
15317	M345T43_	1.049577	-0.06981	-0.12547	0.903281	0.898136	DOWN	345.1906	345.1904	345.1907	42.92733	42.62517
15318	M528T9_7	1.037852	0.053601	0.127599	0.903411	0.898149	UP	528.2113	528.2081	528.2132	9.280767	9.133667
15319	M1739T10	1.039206	0.055482	0.125564	0.903455	0.898154	UP	1738.61	1738.607	1738.611	9.801833	9.715683
15320	M261T10_	1.036009	-0.05104	-0.12535	0.903486	0.898157	DOWN	261.4095	261.4092	261.4096	9.948875	9.843367
15321	M291T9_1	1.047854	-0.06744	-0.12522	0.903496	0.898158	DOWN	290.5234	290.5232	290.5235	8.802375	8.697767
15322	M228T10_	1.033546	-0.0476	-0.12641	0.903591	0.898167	DOWN	227.9249	227.9162	227.926	9.830283	9.7124
15323	M1833T10	1.046576	0.065677	0.124989	0.903616	0.89817	UP	1832.947	1832.946	1832.949	9.870017	9.759383
15324	M290T11_	1.025932	-0.03694	-0.12504	0.903637	0.898172	DOWN	289.8884	289.888	289.8885	10.93338	10.90197
15325	M432T9_9	1.037852	-0.0536	-0.12584	0.903653	0.898174	DOWN	432.2807	432.2801	432.2809	8.959467	8.7654
15326	M737T10_	1.027413	0.039017	0.125696	0.903658	0.898174	UP	737.3222	737.3211	737.3223	9.994767	9.8914
15327	M337T10_	1.022872	-0.03263	-0.12491	0.903678	0.898176	DOWN	337.0837	337.0837	337.0837	9.514733	9.416817
15328	M428T9_8	1.047159	0.066481	0.126162	0.903729	0.898181	UP	428.4062	428.4046	428.4068	9.20785	9.145433
15329	M428T12_	1.02332	-0.03326	-0.12525	0.903754	0.898184	DOWN	428.3073	428.3072	428.3087	12.13315	12.09287

15330	M881T30	1.036643	-0.05192	-0.12481	0.903759	0.898184	DOWN	880.6208	880.62	880.6213	30.17908	30.13633
15331	M416T19	1.01409	-0.02019	-0.125	0.90381	0.898189	DOWN	416.2959	416.2957	416.2961	18.95142	18.943
15332	M385T10_	1.052405	-0.07369	-0.12539	0.903906	0.898199	DOWN	385.2578	385.2575	385.2582	9.946417	9.843367
15333	M679T10_	1.064189	-0.08975	-0.12462	0.903911	0.8982	DOWN	679.2884	679.2819	679.2924	9.872458	9.80755
15334	M1647T10	1.030105	-0.04279	-0.12501	0.903977	0.898206	DOWN	1646.999	1646.997	1647.002	9.887133	9.79065
15335	M718T10_	1.022279	0.031788	0.126216	0.903978	0.898206	UP	718.1769	718.1758	718.1774	9.745858	9.62055
15336	M427T11_	1.036792	-0.05213	-0.12443	0.90406	0.898215	DOWN	427.3115	427.3106	427.312	10.60347	10.52015
15337	M247T19_	1.025895	-0.03688	-0.12457	0.904153	0.898224	DOWN	246.7112	246.711	246.7113	18.63125	18.62867
15338	M796T11_	1.033297	-0.04725	-0.12418	0.904262	0.898235	DOWN	796.4497	796.4481	796.451	10.53152	10.47197
15339	M380T10_	1.048037	-0.06769	-0.12413	0.904305	0.898239	DOWN	379.7137	379.7132	379.7139	9.918833	9.827283
15340	M650T10_	1.02576	-0.03669	-0.12455	0.904308	0.89824	DOWN	649.8205	649.82	649.8209	9.965717	9.859233
15341	M365T10_	1.042289	0.059756	0.126022	0.904311	0.89824	UP	365.2254	365.2244	365.2256	9.830658	9.747533
15342	M434T9_2	1.065055	-0.09093	-0.12602	0.904348	0.898244	DOWN	433.585	433.5842	433.5863	9.1602	9.1175
15343	M243T43	1.008219	0.011809	0.126489	0.904379	0.898247	UP	243.1223	243.1223	243.1224	43.01333	42.841
15344	M487T11_	1.019779	0.028257	0.124831	0.904418	0.898251	UP	487.1582	487.1576	487.1585	10.92538	10.879
15345	M178T11_	1.032817	-0.04658	-0.12394	0.90442	0.898251	DOWN	177.8458	177.8456	177.8459	10.8926	10.8646
15346	M294T30_	1.011718	0.016807	0.123925	0.904525	0.898262	UP	294.2062	294.2061	294.2062	29.83392	29.8195
15347	M555T39	1.038878	-0.05503	-0.12448	0.904621	0.898271	DOWN	555.4447	555.444	555.4455	39.15783	39.12133
15348	M265T7	1.026957	-0.03838	-0.12427	0.904625	0.898272	DOWN	265.1308	265.1307	265.1311	7.0902	6.925867
15349	M209T10_	1.033731	0.047861	0.123641	0.904712	0.898281	UP	209.4561	209.4558	209.4564	9.847125	9.758367
15350	M271T10_	1.054825	0.077004	0.123735	0.904716	0.898281	UP	270.9389	270.9386	270.9389	9.971292	9.8753
15351	M326T10_	1.016861	-0.02412	-0.12473	0.904967	0.898306	DOWN	325.8766	325.8763	325.8775	9.831142	9.715683
15352	M178T10_	1.028963	-0.04119	-0.1234	0.905039	0.898314	DOWN	177.8918	177.8914	177.8979	9.979892	9.843367
15353	M276T20	1.032681	0.046395	0.123104	0.905199	0.89833	UP	276.1988	276.1986	276.1989	20.36775	20.36067
15354	M686T10_	1.017398	0.024884	0.122813	0.905286	0.898339	UP	685.9284	685.9277	685.9292	9.830558	9.699733
15355	M576T10_	1.129876	0.176165	0.126129	0.905342	0.898344	UP	576.0888	576.088	576.1	9.968992	9.874067
15356	M232T10_	1.033383	0.047375	0.122706	0.905389	0.898349	UP	231.9527	231.9518	231.9617	9.814925	9.7124
15357	M157T10_	1.042253	-0.05971	-0.12315	0.905402	0.89835	DOWN	157.4347	157.4346	157.435	9.918242	9.811217
15358	M523T10_	1.02838	0.040374	0.124765	0.905431	0.898353	UP	522.5217	522.5214	522.5229	9.954217	9.843367
15359	M382T40_	1.058116	0.081498	0.123184	0.905435	0.898354	UP	382.2433	382.2431	382.2435	39.964	39.81983
15360	M1133T10	1.02661	0.037889	0.123786	0.905452	0.898355	UP	1133.151	1133.15	1133.153	9.839008	9.715683
15361	M191T18	1.013167	0.018873	0.122823	0.905494	0.89836	UP	191.1064	191.1063	191.1065	18.17283	18.16533
15362	M906T10	1.027638	0.039332	0.123863	0.905535	0.898364	UP	905.681	905.6807	905.6814	10.16706	10.08517
15363	M347T10_	1.04524	0.063834	0.122606	0.905575	0.898368	UP	347.2449	347.2401	347.2478	9.858833	9.715683
15364	M175T10_	1.052091	-0.07326	-0.12372	0.905591	0.898369	DOWN	174.5601	174.5599	174.5602	9.967367	9.859233

15365	M271T16_	1.071993	0.100295	0.123936	0.905876	0.898398	UP	271.187	271.1867	271.1875	15.70625	15.67228
15366	M212T9_1	1.032673	-0.04638	-0.12247	0.905907	0.898401	DOWN	211.6472	211.6464	211.6475	9.3332	9.219483
15367	M234T11_	1.030754	-0.0437	-0.12219	0.905959	0.898406	DOWN	234.0931	234.0928	234.0934	10.89068	10.85018
15368	M404T40_	1.012169	0.01745	0.123543	0.905967	0.898407	UP	404.264	404.2638	404.2642	40.04367	39.92067
15369	M498T11_	1.037811	-0.05354	-0.122	0.906127	0.898423	DOWN	498.4401	498.4379	498.4414	10.89953	10.8646
15370	M154T10_	1.026211	-0.03733	-0.12349	0.906183	0.898429	DOWN	154.1043	154.1041	154.1043	9.920517	9.811217
15371	M311T20	1.021669	-0.03093	-0.12421	0.906244	0.898435	DOWN	311.2689	311.2686	311.2692	19.78175	19.77183
15372	M177T9_4	1.042188	-0.05962	-0.12161	0.906266	0.898437	DOWN	176.8811	176.8807	176.8818	9.190367	9.142767
15373	M412T11_	1.040278	0.056969	0.123514	0.906284	0.898439	UP	411.5403	411.5386	411.5423	10.879	10.84395
15374	M505T10_	1.035972	-0.05099	-0.1215	0.906342	0.898445	DOWN	504.9933	504.993	504.9935	9.975217	9.8753
15375	M351T16_	1.042444	-0.05997	-0.12135	0.906435	0.898454	DOWN	351.1777	351.1776	351.1778	15.61798	15.31108
15376	M352T30	1.027245	-0.03878	-0.12284	0.906457	0.898457	DOWN	352.3056	352.3054	352.3057	30.08658	30.07833
15377	M246T10_	1.049283	0.069403	0.12121	0.906514	0.898462	UP	245.8838	245.8836	245.8839	9.941642	9.843367
15378	M360T10_	1.020082	0.028686	0.123326	0.906521	0.898463	UP	360.1362	360.136	360.1363	9.83535	9.715683
15379	M207T10_	1.063258	-0.08849	-0.12119	0.906527	0.898464	DOWN	207.3309	207.3307	207.331	9.979342	9.8753
15380	M435T9_7	1.01682	0.024064	0.121175	0.906553	0.898466	UP	434.948	434.9473	434.9491	9.25985	9.16125
15381	M916T11	1.052661	-0.07404	-0.12108	0.90663	0.898474	DOWN	915.7885	915.7863	915.789	10.8914	10.89125
15382	M380T11_	1.019671	-0.0281	-0.12108	0.906667	0.898478	DOWN	380.1712	380.1711	380.1723	10.90628	10.879
15383	M294T10_	1.018072	-0.02584	-0.12104	0.906759	0.898487	DOWN	294.4807	294.4804	294.4808	9.934533	9.827283
15384	M584T9_6	1.058678	-0.08226	-0.12089	0.90678	0.898489	DOWN	584.236	584.2324	584.2428	9.213108	9.12675
15385	M404T11_	1.02121	-0.03028	-0.12117	0.906785	0.89849	DOWN	403.754	403.7538	403.7543	10.89907	10.879
15386	M259T11_	1.10955	0.149975	0.120561	0.907046	0.898516	UP	259.1858	259.1818	259.1906	10.93517	10.873
15387	M447T9_3	1.048112	0.067792	0.120342	0.907284	0.89854	UP	447.1838	447.1835	447.1862	8.88395	8.86875
15388	M865T22	1.038212	-0.0541	-0.12163	0.907314	0.898543	DOWN	864.6172	864.6156	864.6181	21.96617	21.93867
15389	M538T12	1.025568	-0.03642	-0.122	0.907321	0.898543	DOWN	538.4042	538.4036	538.4052	11.71833	11.6929
15390	M823T11	1.038707	-0.05479	-0.12046	0.90745	0.898556	DOWN	822.6041	822.6031	822.605	10.91213	10.83252
15391	M401T31	1.035824	0.050779	0.119961	0.907485	0.89856	UP	401.1083	401.108	401.1087	31.12442	31.11883
15392	M213T9_1	1.050931	-0.07167	-0.11997	0.907499	0.898561	DOWN	213.1392	213.1379	213.142	9.311883	9.132267
15393	M279T10_	1.036968	0.052372	0.120088	0.907549	0.898566	UP	279.1735	279.1732	279.1736	9.970617	9.859233
15394	M210T9_7	1.032805	-0.04657	-0.11987	0.907604	0.898572	DOWN	210.4435	210.4434	210.4435	9.197983	9.1445
15395	M311T10_	1.011722	0.016813	0.119594	0.907786	0.89859	UP	310.8515	310.8512	310.8628	9.931108	9.827283
15396	M794T11_	1.044468	-0.06277	-0.11952	0.907835	0.898595	DOWN	793.5999	793.5995	793.6009	11.23607	11.20953
15397	M923T11_	1.037849	0.053596	0.119433	0.907889	0.898601	UP	922.8595	922.8586	922.8613	10.9098	10.8628
15398	M323T9_8	1.110502	0.151212	0.119421	0.90795	0.898607	UP	323.4721	323.4719	323.4726	8.817842	8.765117
15399	M206T9_6	1.075369	0.104831	0.119579	0.90806	0.898618	UP	205.6284	205.6237	205.6312	9.287617	9.13445



15400	M495T9_1	1.052152	0.073343	0.119253	0.908062	0.898618	UP	495.4924	495.49	495.4973	9.311167	9.064833
15401	M244T27	1.078503	0.10903	0.120452	0.90809	0.898621	UP	244.1385	244.1384	244.1391	27.23583	27.2155
15402	M491T11_	1.045999	-0.06488	-0.12099	0.908134	0.898625	DOWN	491.3203	491.3196	491.3204	11.24875	11.20712
15403	M523T10_	1.038521	-0.05453	-0.11874	0.908419	0.898654	DOWN	523.197	523.1957	523.1991	9.930658	9.779267
15404	M219T11_	1.020216	-0.02888	-0.11858	0.908643	0.898676	DOWN	219.0455	219.0454	219.0457	10.892	10.873
15405	M635T10_	1.055191	-0.0775	-0.1195	0.908761	0.898688	DOWN	634.9438	634.943	634.9452	9.840617	9.73145
15406	M174T10_	1.032873	-0.04666	-0.12139	0.90883	0.898695	DOWN	173.8771	173.8771	173.8772	9.968992	9.8753
15407	M418T10_	1.033567	-0.04763	-0.1195	0.908869	0.898699	DOWN	418.1312	418.1309	418.1315	9.972217	9.859233
15408	M898T10	1.01866	-0.02667	-0.11815	0.908881	0.8987	DOWN	898.3121	898.3119	898.3124	9.939575	9.827283
15409	M399T29	1.039313	-0.05563	-0.11812	0.908891	0.898701	DOWN	398.7914	398.7911	398.7916	28.56367	28.546
15410	M188T10_	1.033094	0.046971	0.11834	0.908968	0.898709	UP	187.5766	187.5763	187.5766	9.979342	9.8753
15411	M394T9_1	1.069982	0.097587	0.120767	0.909077	0.89872	UP	394.3649	394.3576	394.3661	9.18975	9.129317
15412	M279T10_	1.039212	-0.05549	-0.11875	0.909104	0.898722	DOWN	279.197	279.1968	279.1972	9.919058	9.811217
15413	M493T10_	1.046525	-0.06561	-0.11881	0.90911	0.898723	DOWN	492.6497	492.649	492.6504	9.816808	9.714783
15414	M378T25_	1.038097	0.053941	0.117814	0.909146	0.898726	UP	378.2733	378.273	378.2742	25.2425	25.12883
15415	M357T10_	1.018768	-0.02683	-0.11983	0.909211	0.898733	DOWN	356.8772	356.8767	356.8778	9.823575	9.715683
15416	M207T5	1.021211	-0.03028	-0.11782	0.909408	0.898753	DOWN	206.8936	206.8935	206.8937	5.37985	5.281783
15417	M553T10_	1.034223	0.048547	0.1177	0.90948	0.89876	UP	553.4515	553.4502	553.4549	9.823233	9.683817
15418	M200T10_	1.040114	0.056741	0.117219	0.909611	0.898773	UP	199.5108	199.5106	199.5137	9.82645	9.816167
15419	M282T10_	1.025207	0.035915	0.118441	0.909636	0.898775	UP	282.3787	282.3784	282.3788	9.887117	9.779267
15420	M655T9_1	1.066478	-0.09285	-0.11666	0.910005	0.898812	DOWN	654.516	654.5154	654.5165	9.128733	9.09495
15421	M784T10_	1.083975	0.116331	0.116818	0.91001	0.898813	UP	784.0645	784.0621	784.065	9.964167	9.8753
15422	M335T10_	1.013089	0.018761	0.11729	0.910231	0.898835	UP	334.9909	334.9907	334.9912	9.8207	9.699733
15423	M316T40	1.033912	0.048114	0.116313	0.910361	0.898848	UP	316.1752	316.1752	316.1755	39.94933	39.7185
15424	M389T11_	1.017308	-0.02476	-0.11639	0.910546	0.898866	DOWN	388.6092	388.6089	388.6094	10.892	10.879
15425	M351T10_	1.020895	0.029834	0.116833	0.910594	0.898871	UP	350.7441	350.7437	350.7442	9.514733	9.432183
15426	M267T10_	1.023932	0.03412	0.116489	0.910687	0.89888	UP	266.8533	266.8531	266.8534	9.969925	9.859233
15427	M636T10_	1.033213	-0.04714	-0.11577	0.910786	0.89889	DOWN	636.027	636.0267	636.0283	9.948875	9.843367
15428	M276T42	1.023455	0.033448	0.115751	0.910855	0.898897	UP	276.1802	276.18	276.1804	42.496	42.1935
15429	M307T24_	1.044648	0.063018	0.115851	0.910908	0.898903	UP	307.2477	307.2473	307.2482	23.50883	23.49833
15430	M513T10_	1.038432	0.054406	0.115796	0.910942	0.898906	UP	513.0598	513.0595	513.0602	9.91765	9.903017
15431	M423T11_	1.06497	0.090813	0.115729	0.910947	0.898907	UP	423.4507	423.4448	423.4533	10.99687	10.88747
15432	M416T9_6	1.015405	0.022055	0.1154	0.910978	0.89891	UP	416.1532	416.1528	416.1537	9.24215	9.129317
15433	M479T23	1.026024	-0.03706	-0.11562	0.911089	0.898921	DOWN	479.3552	479.3551	479.3557	22.78458	22.77
15434	M275T11_	1.030008	-0.04265	-0.11552	0.911107	0.898922	DOWN	275.1015	275.0979	275.1018	10.88982	10.85018

15435	M349T9_1	1.027788	-0.03954	-0.11533	0.91119	0.898931	DOWN	349.2179	349.2179	349.2179	9.29345	9.26575
15436	M581T10_	1.07919	0.109949	0.115576	0.911211	0.898933	UP	581.1923	581.1918	581.1927	9.94985	9.811217
15437	M575T10_	1.044688	0.063072	0.11501	0.91129	0.898941	UP	575.3402	575.339	575.3416	9.951283	9.8914
15438	M171T10_	1.018692	-0.02672	-0.1156	0.911384	0.89895	DOWN	171.1491	171.149	171.1492	10.34871	10.14385
15439	M188T11_	1.036708	-0.05201	-0.1148	0.911438	0.898955	DOWN	188.3704	188.3701	188.3704	10.8914	10.85018
15440	M401T30	1.021688	0.030954	0.116678	0.911443	0.898956	UP	401.2869	401.2866	401.2871	30.15142	30.15033
15441	M374T10_	1.017654	-0.02525	-0.11617	0.91149	0.898961	DOWN	373.9898	373.9894	373.99	9.9351	9.811217
15442	M342T10_	1.02194	-0.03131	-0.11482	0.911675	0.898979	DOWN	342.1872	342.187	342.1874	9.8207	9.715683
15443	M428T10_	1.031046	-0.04411	-0.11454	0.911737	0.898985	DOWN	427.7677	427.7674	427.7682	9.964092	9.843367
15444	M577T10_	1.021596	-0.03083	-0.11457	0.911853	0.898997	DOWN	576.9373	576.9369	576.9387	9.900133	9.79535
15445	M657T11_	1.028244	-0.04018	-0.11482	0.911874	0.898999	DOWN	657.2083	657.2075	657.2097	10.90522	10.8646
15446	M199T9_6	1.059646	0.083582	0.115659	0.911878	0.898999	UP	199.2154	199.2143	199.2165	9.361175	9.25985
15447	M459T9_4	1.078398	0.10889	0.115521	0.911994	0.899011	UP	459.2798	459.2681	459.2807	9.042975	8.974933
15448	M777T10_	1.060599	0.084879	0.114196	0.912006	0.899012	UP	776.7944	776.7929	776.7975	9.9009	9.779267
15449	M194T9_5	1.084335	-0.11681	-0.11398	0.912098	0.899021	DOWN	193.7723	193.7722	193.7726	9.137533	9.110833
15450	M181T10_	1.045137	0.063692	0.114491	0.912129	0.899024	UP	181.2597	181.2595	181.2597	9.968992	9.859233
15451	M960T9_2	1.049161	-0.06924	-0.11388	0.912156	0.899027	DOWN	959.828	959.8272	959.8289	9.3907	9.288883
15452	M483T10_	1.073274	0.102018	0.117352	0.912197	0.899031	UP	482.846	482.8453	482.8473	9.967367	9.869467
15453	M1939T11	1.019981	0.028542	0.113758	0.912289	0.89904	UP	1938.879	1938.877	1938.881	10.89125	10.8646
15454	M386T10_	1.046529	-0.06561	-0.11353	0.91241	0.899052	DOWN	385.5314	385.5312	385.5317	9.887133	9.859667
15455	M385T9_6	1.042491	0.060035	0.115945	0.912453	0.899056	UP	385.0274	385.027	385.0289	9.2248	9.129317
15456	M251T10_	1.035228	0.049949	0.113449	0.912474	0.899059	UP	251.0599	251.0597	251.0599	9.95385	9.843367
15457	M343T10_	1.014332	0.02053	0.115889	0.912499	0.899061	UP	342.6887	342.6884	342.6893	9.83135	9.715683
15458	M331T10_	1.01604	0.022957	0.114555	0.912503	0.899061	UP	331.0861	331.0858	331.0864	9.825767	9.699733
15459	M670T15	1.027575	-0.03924	-0.11421	0.912507	0.899062	DOWN	670.4988	670.4981	670.4997	14.50139	14.42875
15460	M387T10_	1.039475	0.055855	0.113974	0.912587	0.89907	UP	386.679	386.6785	386.686	9.960817	9.816167
15461	M238T10_	1.032032	0.045488	0.115964	0.912635	0.899075	UP	238.2929	238.2925	238.2932	9.770733	9.665433
15462	M419T30	1.037794	-0.05352	-0.11333	0.912701	0.899081	DOWN	418.8002	418.8	418.8003	30.18675	30.16583
15463	M224T10_	1.038609	0.054653	0.114696	0.912737	0.899085	UP	224.3688	224.3686	224.3713	9.960967	9.84525
15464	M387T10_	1.173825	0.231217	0.113133	0.912781	0.899089	UP	387.1541	387.1506	387.1601	9.922342	9.830283
15465	M429T10_	1.038378	-0.05433	-0.11325	0.912835	0.899094	DOWN	428.9326	428.9324	428.933	9.968992	9.859233
15466	M207T10_	1.010774	0.01546	0.114651	0.912856	0.899097	UP	206.5056	206.5055	206.5058	9.886783	9.79535
15467	M242T11_	1.135908	0.183846	0.114661	0.9129	0.899101	UP	241.7052	241.705	241.7061	10.74635	10.64453
15468	M697T9_1	1.038079	-0.05392	-0.11443	0.912915	0.899102	DOWN	696.5382	696.5374	696.5398	9.100808	9.0269
15469	M1574T10	1.027928	0.039739	0.115469	0.912923	0.899103	UP	1573.738	1573.737	1573.738	9.964167	9.8753

15470	M261T14	1.036147	0.051229	0.11335	0.912992	0.89911	UP	261.1095	261.1093	261.1097	14.00475	13.9753
15471	M709T3	1.040706	0.057563	0.112735	0.913018	0.899113	UP	709.4856	709.4851	709.4857	3.447017	3.296583
15472	M417T11_	1.03052	-0.04337	-0.11298	0.91304	0.899115	DOWN	417.0579	417.0575	417.0587	10.89839	10.87765
15473	M301T10_	1.038718	0.054803	0.112988	0.913227	0.899133	UP	300.7134	300.7133	300.7139	9.903283	9.811217
15474	M163T10_	1.018781	-0.02684	-0.11247	0.913336	0.899144	DOWN	162.9291	162.929	162.9293	9.967533	9.859233
15475	M372T10_	1.030131	0.042827	0.11244	0.913411	0.899152	UP	371.9698	371.9695	371.9701	9.972917	9.8753
15476	M343T9_4	1.045157	0.063719	0.113621	0.913496	0.89916	UP	343.199	343.1987	343.1993	8.914933	8.638817
15477	M166T10_	1.022227	0.031716	0.113706	0.913502	0.899161	UP	165.7587	165.7585	165.7588	9.967367	9.843367
15478	M1973T10	1.015987	0.022883	0.112946	0.913586	0.899169	UP	1973.387	1973.383	1973.395	9.831242	9.715683
15479	M409T11_	1.0264	-0.03759	-0.11426	0.913704	0.899181	DOWN	409.2308	409.2307	409.2309	10.64663	10.629
15480	M465T11_	1.021035	-0.03003	-0.11178	0.913757	0.899186	DOWN	465.0197	465.0191	465.0199	10.90522	10.879
15481	M383T11_	1.016288	-0.02331	-0.11167	0.913836	0.899194	DOWN	382.6822	382.6821	382.6832	10.892	10.879
15482	M818T11_	1.030685	0.043604	0.11179	0.913977	0.899208	UP	817.9615	817.9609	817.9617	10.57698	10.55068
15483	M621T10_	1.017948	0.025663	0.112842	0.914095	0.89922	UP	621.2106	621.2097	621.2154	9.823575	9.715683
15484	M611T10_	1.035518	-0.05035	-0.11165	0.914159	0.899226	DOWN	611.4886	611.488	611.4889	9.972917	9.8753
15485	M362T10_	1.03483	0.049393	0.112068	0.914169	0.899227	UP	361.7431	361.7426	361.7441	9.88865	9.811217
15486	M358T10_	1.141244	0.190607	0.111803	0.914177	0.899228	UP	358.2848	358.2819	358.2849	9.81635	9.673333
15487	M625T10_	1.026213	0.03733	0.111389	0.914227	0.899233	UP	625.0774	625.0757	625.0779	9.952017	9.843367
15488	M346T11_	1.027257	-0.0388	-0.11152	0.914273	0.899237	DOWN	346.2933	346.2923	346.2936	10.892	10.85018
15489	M367T10_	1.021254	-0.03034	-0.11115	0.914288	0.899239	DOWN	367.2396	367.239	367.2399	9.968992	9.859233
15490	M256T10_	1.020938	-0.0299	-0.11089	0.914532	0.899263	DOWN	256.2875	256.2872	256.2879	9.962617	9.859233
15491	M558T10_	1.043278	0.061123	0.114042	0.914638	0.899273	UP	557.5516	557.5511	557.5518	9.956417	9.853533
15492	M1037T10	1.044956	0.063442	0.110544	0.914744	0.899284	UP	1037.186	1037.185	1037.187	9.970617	9.8753
15493	M623T45	1.008813	-0.01266	-0.11068	0.914777	0.899287	DOWN	623.4524	623.4522	623.4529	44.98333	44.969
15494	M236T9_4	1.074372	-0.10349	-0.11038	0.914831	0.899292	DOWN	235.6371	235.6349	235.6376	9.295167	9.111033
15495	M410T10_	1.044572	0.062911	0.110678	0.914845	0.899294	UP	410.3201	410.3177	410.3203	9.967367	9.843367
15496	M594T10_	1.06574	0.091855	0.110483	0.914851	0.899294	UP	593.5822	593.5817	593.5826	9.9351	9.9174
15497	M758T11_	1.024959	0.035566	0.111211	0.914956	0.899305	UP	758.1139	758.1134	758.1145	10.90553	10.879
15498	M1932T9	1.036791	-0.05213	-0.11006	0.915083	0.899317	DOWN	1931.641	1931.637	1931.647	9.17485	9.11405
15499	M355T41_	1.047247	-0.0666	-0.11156	0.915114	0.89932	DOWN	355.2113	355.2112	355.2114	40.82683	40.611
15500	M214T10_	1.01762	-0.0252	-0.11119	0.915132	0.899322	DOWN	214.0582	214.0581	214.0583	9.902617	9.79535
15501	M463T11_	1.015737	-0.02253	-0.11024	0.915136	0.899323	DOWN	462.7259	462.7256	462.7261	10.89875	10.879
15502	M481T11_	1.038455	-0.05444	-0.11035	0.91514	0.899323	DOWN	480.7451	480.7449	480.7455	10.90765	10.89125
15503	M305T10_	1.025265	0.035997	0.111254	0.915165	0.899325	UP	304.7388	304.7364	304.7391	9.975142	9.840617
15504	M353T43_	1.031995	-0.04544	-0.11042	0.915257	0.899335	DOWN	353.2321	353.2319	353.2321	43.40925	43.3995

15505	M231T10_	1.048433	0.068235	0.111022	0.915394	0.899348	UP	230.8227	230.8174	230.8231	9.933967	9.903017
15506	M441T10_	1.005735	0.008251	0.111985	0.915419	0.899351	UP	441.3696	441.3693	441.3705	9.807933	9.683817
15507	M218T10_	1.037291	0.052821	0.110727	0.91544	0.899353	UP	218.0094	218.0091	218.0095	9.975217	9.859233
15508	M395T9_9	1.045726	-0.0645	-0.10954	0.915499	0.899359	DOWN	395.2981	395.2972	395.2993	9.221317	9.095133
15509	M1508T10	1.018462	-0.02639	-0.11006	0.915542	0.899363	DOWN	1507.847	1507.845	1507.848	10.17529	10.07528
15510	M401T9_3	1.018069	-0.02584	-0.11058	0.915546	0.899363	DOWN	401.0592	401.0585	401.0599	8.916317	8.832317
15511	M155T10_	1.031149	-0.04425	-0.10954	0.915547	0.899363	DOWN	154.9591	154.9589	154.9642	9.94455	9.811217
15512	M178T11_	1.027763	-0.03951	-0.11146	0.9156	0.899369	DOWN	177.8696	177.8693	177.87	10.90553	10.88995
15513	M460T21	1.0285	-0.04054	-0.10925	0.915693	0.899378	DOWN	460.3416	460.3415	460.3419	20.75117	20.73817
15514	M849T10_	1.02932	0.041692	0.109236	0.91579	0.899387	UP	849.0172	849.0163	849.0178	10.36125	10.34472
15515	M406T41	1.033703	-0.04782	-0.10912	0.915845	0.899393	DOWN	406.2069	406.2068	406.2072	41.086	40.8845
15516	M342T10_	1.032041	-0.0455	-0.10954	0.915868	0.899395	DOWN	341.9114	341.9111	341.9116	9.951283	9.843367
15517	M447T11_	1.017713	0.02533	0.109422	0.915897	0.899398	UP	446.9929	446.9923	446.9933	10.89875	10.879
15518	M1207T26	1.052531	-0.07386	-0.10943	0.915979	0.899406	DOWN	1206.585	1206.584	1206.586	25.52358	25.50783
15519	M443T10_	1.018803	0.026875	0.109026	0.91599	0.899407	UP	443.4124	443.4115	443.4125	9.960817	9.859233
15520	M342T10_	1.036292	-0.05143	-0.10883	0.916044	0.899412	DOWN	342.3976	342.3974	342.3978	9.8214	9.715683
15521	M1490T10	1.015186	-0.02174	-0.10881	0.916071	0.899415	DOWN	1489.709	1489.709	1489.711	9.9014	9.79535
15522	M1358T10	1.083873	0.116196	0.109581	0.916146	0.899423	UP	1358.417	1358.416	1358.418	9.960817	9.843367
15523	M282T11_	1.022086	-0.03152	-0.10886	0.916224	0.89943	DOWN	282.1362	282.1355	282.1368	10.90548	10.873
15524	M536T40_	1.033677	0.047785	0.108548	0.916289	0.899437	UP	536.3061	536.306	536.3063	39.51767	39.17233
15525	M424T11_	1.09835	-0.13534	-0.1085	0.91629	0.899437	DOWN	424.1604	424.1598	424.1609	10.90628	10.89355
15526	M625T11_	1.018853	-0.02695	-0.10883	0.916307	0.899438	DOWN	624.7951	624.7949	624.7957	11.48533	11.47593
15527	M451T9_3	1.040524	-0.05731	-0.10834	0.916399	0.899447	DOWN	450.6359	450.634	450.641	9.2402	9.03845
15528	M209T11_	1.021356	0.030485	0.111213	0.916411	0.899449	UP	209.1646	209.1646	209.1647	10.91983	10.90765
15529	M266T10_	1.02243	0.032003	0.108629	0.916412	0.899449	UP	266.0358	266.0356	266.0361	9.964092	9.859233
15530	M490T25	1.027669	-0.03938	-0.10806	0.916636	0.899471	DOWN	489.8702	489.8696	489.8706	25.17083	25.146
15531	M515T10_	1.018807	-0.02688	-0.10802	0.916773	0.899484	DOWN	514.6374	514.6367	514.6377	10.17253	10.08517
15532	M675T10_	1.039368	-0.05571	-0.10783	0.916907	0.899498	DOWN	674.6227	674.6224	674.6234	9.830558	9.696683
15533	M465T10_	1.019603	0.028007	0.107863	0.916973	0.899504	UP	465.2432	465.2426	465.2435	9.914217	9.665433
15534	M189T9_1	1.079651	0.110565	0.107966	0.917089	0.899516	UP	189.0153	189.0146	189.0165	9.251492	9.11795
15535	M360T10_	1.030966	0.043996	0.107433	0.917221	0.899528	UP	359.5128	359.5124	359.5135	9.972917	9.859233
15536	M258T24	1.010706	-0.01536	-0.10716	0.91731	0.899537	DOWN	258.2789	258.2787	258.2789	23.72542	23.71683
15537	M320T43_	1.044658	0.06303	0.107024	0.917417	0.899548	UP	320.1701	320.17	320.1703	43.31567	43.20033
15538	M373T11_	1.019463	-0.02781	-0.10763	0.917454	0.899551	DOWN	372.6875	372.6869	372.6896	10.89875	10.879
15539	M266T10_	1.021326	-0.03044	-0.10675	0.917789	0.899584	DOWN	265.5457	265.5454	265.5462	9.948875	9.843367

15540	M273T45	1.02314	0.033003	0.108198	0.917809	0.899586	UP	273.1693	273.1692	273.1694	44.82533	44.73917
15541	M1309T9	1.006547	-0.00941	-0.10857	0.917974	0.899603	DOWN	1309.156	1309.152	1309.157	9.49445	9.40135
15542	M461T11_	1.027323	-0.03889	-0.1064	0.918093	0.899614	DOWN	460.5058	460.5052	460.5073	10.94208	10.8926
15543	M347T3	1.044261	-0.06248	-0.10616	0.918097	0.899615	DOWN	347.2487	347.2485	347.2487	3.466467	3.2799
15544	M190T10_	1.014152	-0.02027	-0.10609	0.918134	0.899618	DOWN	190.1774	190.1731	190.1775	9.915933	9.811217
15545	M430T10_	1.043895	0.061977	0.106207	0.918215	0.899626	UP	430.2842	430.2804	430.2846	9.960817	9.697633
15546	M495T10_	1.031179	0.044295	0.107144	0.918324	0.899637	UP	494.8255	494.8253	494.8258	9.989483	9.8753
15547	M539T10_	1.030486	-0.04333	-0.10639	0.91836	0.899641	DOWN	538.9412	538.9409	538.9414	9.977442	9.859233
15548	M877T10_	1.013266	0.019013	0.105833	0.918404	0.899645	UP	876.9845	876.983	876.9849	9.95385	9.859233
15549	M448T11_	1.020235	-0.0289	-0.1076	0.918485	0.899653	DOWN	448.0408	448.0403	448.0417	10.92208	10.88747
15550	M1752T10	1.028646	-0.04075	-0.1061	0.918528	0.899657	DOWN	1752.404	1752.402	1752.413	9.841308	9.774967
15551	M350T38	1.028812	-0.04098	-0.10593	0.918626	0.899667	DOWN	350.2172	350.217	350.2174	37.77692	37.35967
15552	M810T25	1.039018	-0.05522	-0.10542	0.918645	0.899669	DOWN	810.3757	810.3747	810.3771	25.27483	25.2165
15553	M411T9_2	1.033985	0.048215	0.105631	0.918674	0.899671	UP	410.6104	410.6099	410.6141	9.383233	9.09495
15554	M385T9_9	1.032023	-0.04548	-0.10604	0.918753	0.899679	DOWN	385.2506	385.2504	385.2514	8.868383	8.77435
15555	M572T10_	1.025608	0.036479	0.105439	0.918765	0.89968	UP	571.8407	571.8402	571.841	9.979325	9.8753
15556	M592T11_	1.039981	-0.05656	-0.10529	0.918831	0.899687	DOWN	592.0412	592.0408	592.0426	10.7664	10.74768
15557	M615T10_	1.019275	-0.02754	-0.1051	0.918897	0.899693	DOWN	615.019	615.0179	615.0209	9.964092	9.859233
15558	M316T9_2	1.017477	-0.025	-0.10551	0.918994	0.899703	DOWN	316.2119	316.2117	316.212	8.893558	8.803967
15559	M181T10_	1.036458	0.051662	0.104919	0.919025	0.899706	UP	180.984	180.9837	180.9841	9.968992	9.859233
15560	M229T10_	1.061121	-0.08559	-0.10543	0.919267	0.89973	DOWN	229.0324	229.0323	229.0324	9.90185	9.806367
15561	M524T41_	1.011948	0.017135	0.107658	0.919271	0.89973	UP	524.3061	524.306	524.3062	40.88792	40.74067
15562	M634T10_	1.019651	0.028076	0.104546	0.919423	0.899745	UP	633.5857	633.5853	633.5861	9.972917	9.8753
15563	M496T9_8	1.021815	-0.03113	-0.10467	0.919428	0.899745	DOWN	495.976	495.9745	495.9763	9.250817	9.1445
15564	M1497T10	1.04421	-0.06241	-0.10549	0.919464	0.899749	DOWN	1497.448	1497.446	1497.449	9.956917	9.853533
15565	M398T9_5	1.064992	0.090842	0.10425	0.919548	0.899757	UP	398.1748	398.1736	398.1782	9.160617	9.142767
15566	M568T10_	1.034904	-0.0495	-0.10467	0.919693	0.899771	DOWN	568.009	568.0086	568.0091	9.946367	9.827283
15567	M778T10_	1.011218	-0.01609	-0.1053	0.919866	0.899788	DOWN	777.6581	777.657	777.6597	9.917167	9.811217
15568	M815T11_	1.019822	-0.02832	-0.10461	0.919973	0.899799	DOWN	815.484	815.4838	815.4843	10.60297	10.55068
15569	M166T10_	1.040531	-0.05732	-0.10475	0.919995	0.899801	DOWN	166.4398	166.4397	166.4398	9.81635	9.728083
15570	M378T20	1.034679	-0.04918	-0.10375	0.920001	0.899802	DOWN	378.2636	378.2634	378.2641	19.92558	19.894
15571	M410T10_	1.039201	0.055475	0.104051	0.92018	0.899819	UP	409.8506	409.8502	409.8509	9.967367	9.859233
15572	M1036T10	1.023288	0.033212	0.103971	0.920221	0.899823	UP	1036.263	1036.262	1036.265	9.7877	9.6681
15573	M1978T10	1.041118	-0.05813	-0.10334	0.920311	0.899832	DOWN	1977.904	1977.903	1977.906	9.915583	9.729367
15574	M378T25_	1.04168	-0.05891	-0.10324	0.920341	0.899835	DOWN	377.6718	377.6716	377.672	25.26125	25.187

15575	M545T10_	1.044623	0.062982	0.103482	0.920351	0.899836	UP	545.36	545.3591	545.3607	9.916225	9.853533
15576	M684T11_	1.023845	0.033998	0.103212	0.920425	0.899843	UP	683.7757	683.7751	683.7776	10.90012	10.82972
15577	M1220T10_	1.01807	-0.02584	-0.10279	0.920689	0.899869	DOWN	1219.658	1219.656	1219.659	9.985117	9.8753
15578	M367T10_	1.038169	-0.05404	-0.10285	0.920924	0.899892	DOWN	367.3894	367.3891	367.39	9.968992	9.859233
15579	M914T9	1.056189	0.078868	0.102683	0.921062	0.899905	UP	913.7849	913.7792	913.7857	9.120075	9.07945
15580	M357T39	1.022765	-0.03247	-0.10229	0.92107	0.899906	DOWN	357.1905	357.1903	357.1908	38.6415	38.525
15581	M261T10_	1.025953	-0.03696	-0.10225	0.921073	0.899907	DOWN	261.0936	261.0933	261.0937	9.939575	9.827283
15582	M1150T11_	1.014182	0.020317	0.102237	0.921101	0.899909	UP	1149.941	1149.941	1149.942	10.89875	10.879
15583	M243T9_3	1.03546	-0.05027	-0.10236	0.921112	0.89991	DOWN	242.5843	242.5834	242.5852	9.280767	9.1322
15584	M318T28_	1.021461	-0.03063	-0.10406	0.921154	0.899915	DOWN	317.6305	317.6303	317.6305	28.12733	28.113
15585	M1107T10_	1.02463	-0.0351	-0.10218	0.92116	0.899915	DOWN	1107.234	1107.227	1107.236	9.95605	9.79535
15586	M507T25	1.0305	0.043345	0.102237	0.921288	0.899928	UP	507.3423	507.3419	507.3431	24.62267	24.59467
15587	M472T25_	1.044206	-0.06241	-0.10194	0.921361	0.899935	DOWN	471.8379	471.8375	471.8385	25.246	25.20167
15588	M176T10_	1.032758	0.046503	0.103019	0.921391	0.899938	UP	176.2236	176.2233	176.2262	9.872917	9.843367
15589	M406T18	1.024836	-0.03539	-0.10213	0.92144	0.899942	DOWN	406.3315	406.3312	406.3317	17.64258	17.61267
15590	M386T10_	1.040979	-0.05794	-0.10254	0.921473	0.899946	DOWN	385.8201	385.8196	385.8202	9.967367	9.859233
15591	M342T11_	1.025122	0.035796	0.101848	0.921477	0.899946	UP	342.4737	342.4623	342.4754	10.93468	10.85018
15592	M1002T11_	1.024843	0.035403	0.102173	0.921511	0.899949	UP	1001.697	1001.696	1001.698	10.8926	10.879
15593	M751T10_	1.01109	-0.01591	-0.1042	0.921523	0.899951	DOWN	750.9429	750.9396	750.944	9.825767	9.715683
15594	M478T19	1.046118	-0.06505	-0.10207	0.92155	0.899953	DOWN	478.3523	478.3521	478.3524	18.64592	18.6435
15595	M318T11_	1.021962	-0.03134	-0.10191	0.921644	0.899962	DOWN	318.2857	318.2851	318.2864	10.89875	10.89125
15596	M1922T10	1.025163	-0.03585	-0.10229	0.921663	0.899964	DOWN	1922.293	1922.289	1922.293	9.983467	9.859233
15597	M246T23	1.015953	-0.02283	-0.10209	0.921683	0.899966	DOWN	246.1848	246.1847	246.1849	22.53192	22.52367
15598	M325T9_6	1.015205	-0.02177	-0.10373	0.921733	0.899971	DOWN	325.0217	325.0214	325.0223	8.82795	8.730433
15599	M281T10_	1.030684	0.043602	0.101537	0.921787	0.899976	UP	280.5244	280.5241	280.5246	9.979342	9.8753
15600	M361T29	1.017248	0.024672	0.103104	0.921798	0.899977	UP	361.3504	361.3503	361.3506	29.29092	29.27117
15601	M580T44_	1.011664	-0.01673	-0.10117	0.921908	0.899988	DOWN	580.3327	580.3324	580.3328	44.35092	44.13517
15602	M437T11_	1.016372	-0.02343	-0.10208	0.922012	0.899998	DOWN	437.4037	437.4035	437.4046	10.90519	10.88747
15603	M679T10_	1.033917	-0.04812	-0.10146	0.92214	0.900011	DOWN	679.3287	679.3252	679.3317	9.707583	9.40135
15604	M351T9_5	1.0482	0.067915	0.100837	0.922249	0.900021	UP	350.7084	350.7078	350.709	9.23865	9.048117
15605	M536T22_	1.036829	0.052178	0.100648	0.922307	0.900027	UP	535.6246	535.6231	535.6255	21.59817	21.50033
15606	M276T44_	1.03429	0.048641	0.101651	0.922381	0.900034	UP	276.1439	276.1438	276.144	43.74717	43.47383
15607	M478T44_	1.012088	-0.01733	-0.10048	0.922681	0.900064	DOWN	478.3006	478.3005	478.3008	44.31517	44.2215
15608	M456T11_	1.0118	0.016925	0.10016	0.922712	0.900067	UP	455.555	455.5547	455.5551	10.8914	10.8646
15609	M422T11_	1.024748	-0.03527	-0.10025	0.922926	0.900088	DOWN	421.8062	421.8056	421.8064	10.90551	10.879

15610	M770T9_2	1.037726	-0.05343	-0.09968	0.923051	0.9001	DOWN	770.1778	770.1674	770.1783	9.146383	9.110833
15611	M448T11_	1.025545	-0.03639	-0.09961	0.923118	0.900106	DOWN	448.3553	448.3547	448.356	10.9161	10.879
15612	M375T20	1.009943	-0.01427	-0.09937	0.923302	0.900124	DOWN	375.3005	375.3004	375.3007	20.24517	20.23017
15613	M299T42_	1.015638	-0.02239	-0.10013	0.923363	0.90013	DOWN	299.185	299.1849	299.1851	42.12167	41.92017
15614	M188T9_1	1.054256	-0.07623	-0.09979	0.923475	0.900141	DOWN	188.2458	188.2454	188.2461	9.171817	9.1587
15615	M155T10_	1.023552	0.033584	0.099177	0.923505	0.900144	UP	154.8003	154.8003	154.8004	9.951392	9.859233
15616	M262T9_2	1.0241	0.034356	0.099066	0.923537	0.900147	UP	262.245	262.2438	262.2472	9.237342	9.111033
15617	M210T11_	1.032045	0.045505	0.099099	0.923574	0.900151	UP	209.6224	209.6223	209.6228	10.89875	10.85018
15618	M166T9_9	1.036983	0.052392	0.0992	0.923614	0.900155	UP	166.3074	166.3045	166.3078	9.174917	9.145433
15619	M271T9_5	1.028954	-0.04118	-0.099	0.923618	0.900155	DOWN	270.9059	270.9019	270.9071	9.311167	9.142767
15620	M434T10_	1.028821	0.040992	0.098976	0.923644	0.900157	UP	433.6485	433.6481	433.6489	9.972917	9.859233
15621	M1348T10	1.039966	0.056537	0.099302	0.923873	0.90018	UP	1348.205	1348.196	1348.209	9.939233	9.853533
15622	M348T10_	1.006302	-0.00906	-0.10027	0.923921	0.900184	DOWN	348.3445	348.3443	348.3446	9.8397	9.73145
15623	M261T7	1.024419	-0.03481	-0.09858	0.923969	0.900189	DOWN	261.1303	261.1302	261.1304	6.772533	6.691517
15624	M576T9_4	1.038365	0.054313	0.098626	0.924015	0.900193	UP	575.8372	575.8357	575.8388	9.145083	9.110833
15625	M633T10_	1.024995	-0.03562	-0.09838	0.924051	0.900197	DOWN	633.0227	633.0224	633.024	9.939575	9.827283
15626	M346T9_5	1.047014	-0.06628	-0.09879	0.924151	0.900207	DOWN	345.9051	345.8994	345.9054	9.373792	9.275917
15627	M638T11_	1.019198	0.027435	0.09831	0.924242	0.900216	UP	637.5091	637.5082	637.5096	10.88871	10.86253
15628	M792T11	1.016355	-0.0234	-0.09816	0.924245	0.900216	DOWN	792.3453	792.3444	792.3475	10.90659	10.879
15629	M206T9_3	1.038415	-0.05438	-0.09828	0.924317	0.900223	DOWN	205.563	205.5614	205.5639	9.38595	9.1322
15630	M504T10_	1.025071	0.035724	0.098052	0.92435	0.900226	UP	504.4257	504.4254	504.4267	9.977442	9.8753
15631	M725T10_	1.021739	0.031027	0.098879	0.924367	0.900228	UP	725.4544	725.4539	725.4557	10.32011	10.26307
15632	M456T10_	1.011964	-0.01716	-0.09837	0.924427	0.900234	DOWN	456.1577	456.1575	456.1577	10.06476	10.04377
15633	M357T38	1.015298	-0.0219	-0.09855	0.924511	0.900242	DOWN	357.1906	357.1904	357.1909	38.1795	38.0935
15634	M456T9_3	1.014651	-0.02098	-0.09765	0.924685	0.900259	DOWN	456.003	456.0024	456.0031	9.277017	9.129317
15635	M431T11_	1.008082	-0.01161	-0.09761	0.924729	0.900263	DOWN	431.2875	431.2873	431.2876	11.09236	11.08157
15636	M512T19	1.033888	0.04808	0.097603	0.924758	0.900266	UP	512.3567	512.3564	512.3577	18.8785	18.84883
15637	M216T10_	1.031089	-0.04417	-0.0976	0.924972	0.900286	DOWN	216.1985	216.1984	216.2047	9.968992	9.859233
15638	M400T10_	1.021731	0.031016	0.099643	0.92507	0.900296	UP	400.2589	400.2587	400.2602	9.547133	9.523633
15639	M448T10_	1.030384	0.043182	0.097218	0.925094	0.900298	UP	447.687	447.6866	447.6872	9.964258	9.843367
15640	M846T10_	1.031153	-0.04426	-0.09705	0.925119	0.900301	DOWN	845.5223	845.5217	845.5232	9.902117	9.79535
15641	M674T10_	1.02941	0.041818	0.097207	0.925151	0.900304	UP	673.9102	673.9087	673.9113	9.964167	9.960817
15642	M787T11_	1.01798	-0.02571	-0.0969	0.925194	0.900308	DOWN	786.6699	786.6693	786.6717	10.892	10.879
15643	M650T11_	1.073815	-0.10275	-0.09704	0.925268	0.900315	DOWN	650.3583	650.3575	650.3647	11.45298	11.41063
15644	M409T9_3	1.025512	0.036344	0.096804	0.925311	0.900319	UP	408.7167	408.7165	408.7299	9.064833	8.985083

15645	M796T11_	1.023977	-0.03418	-0.09721	0.925408	0.900329	DOWN	795.9482	795.9478	795.9495	10.51713	10.45613
15646	M1087T10_	1.02134	-0.03046	-0.09673	0.925486	0.900336	DOWN	1086.765	1086.764	1086.765	9.82645	9.699733
15647	M367T10_	1.035583	-0.05044	-0.09684	0.925535	0.900341	DOWN	366.5941	366.5937	366.5946	9.968992	9.859233
15648	M358T9_2	1.032567	-0.04624	-0.09647	0.925619	0.900349	DOWN	357.8295	357.8293	357.8347	9.118742	9.048117
15649	M655T10_	1.029042	-0.0413	-0.09676	0.925668	0.900354	DOWN	654.7817	654.7813	654.7845	9.830283	9.715683
15650	M453T10_	1.07353	-0.10236	-0.09652	0.92571	0.900358	DOWN	452.8236	452.8123	452.8237	9.746142	9.62495
15651	M273T10_	1.023075	-0.03291	-0.09682	0.925726	0.90036	DOWN	272.8026	272.8023	272.8031	9.9847	9.8753
15652	M554T10_	1.042325	-0.05981	-0.09914	0.925734	0.90036	DOWN	554.1186	554.1184	554.1191	9.9351	9.853533
15653	M794T30	1.024878	0.035453	0.096288	0.92578	0.900365	UP	793.5718	793.5711	793.5722	30.222	30.19383
15654	M301T10_	1.04159	-0.05879	-0.09614	0.925846	0.900371	DOWN	300.7409	300.7407	300.7409	9.914217	9.88865
15655	M730T10_	1.014283	0.02046	0.095969	0.925943	0.900381	UP	729.999	729.9982	729.9998	9.825492	9.699733
15656	M504T11_	1.03084	0.04382	0.097028	0.926102	0.900396	UP	503.925	503.922	503.9264	10.94208	10.88747
15657	M255T10_	1.024193	-0.03449	-0.09567	0.926157	0.900401	DOWN	255.102	255.1016	255.1021	9.915933	9.811217
15658	M505T9_6	1.025886	0.03687	0.095698	0.92619	0.900405	UP	505.3295	505.3289	505.3296	9.085542	9.048117
15659	M228T10_	1.045429	0.064094	0.09582	0.926382	0.900423	UP	228.3791	228.3789	228.3792	9.970617	9.8914
15660	M524T38	1.011647	-0.01671	-0.09561	0.926503	0.900435	DOWN	524.306	524.3059	524.3066	38.2085	37.96467
15661	M449T9_2	1.025658	-0.03655	-0.09582	0.926517	0.900436	DOWN	448.5786	448.5775	448.5794	9.206233	9.129317
15662	M428T12_	1.015418	-0.02207	-0.09694	0.926545	0.900439	DOWN	427.8054	427.8051	427.8056	12.0987	12.08183
15663	M251T10_	1.008554	0.012289	0.09563	0.926567	0.900441	UP	250.8847	250.8846	250.8849	9.746783	9.636483
15664	M300T10_	1.013254	0.018996	0.095122	0.926653	0.900449	UP	299.5604	299.5602	299.5605	9.957333	9.843367
15665	M491T8	1.039601	0.05603	0.096235	0.926697	0.900454	UP	491.3194	491.3193	491.3198	7.557142	7.2878
15666	M300T10_	1.023141	-0.033	-0.09492	0.926716	0.900455	DOWN	300.4778	300.4774	300.4779	9.972483	9.859233
15667	M446T9_4	1.030311	0.04308	0.094874	0.926794	0.900463	UP	446.3045	446.2971	446.3051	8.80505	8.682683
15668	M594T22	1.016313	0.023345	0.094627	0.926948	0.900478	UP	594.4129	594.4125	594.4141	22.44883	22.4095
15669	M601T36	1.052743	-0.07415	-0.09487	0.926978	0.900481	DOWN	601.4713	601.4708	601.4718	35.94917	35.92
15670	M431T12	1.013343	-0.01912	-0.09459	0.927159	0.900498	DOWN	431.2877	431.2876	431.2879	11.97903	11.97343
15671	M665T30	1.018442	0.026363	0.095599	0.927167	0.900499	UP	665.4446	665.444	665.4451	30.26608	30.25233
15672	M496T17_	1.029294	-0.04166	-0.09419	0.927282	0.90051	DOWN	496.3626	496.3625	496.3628	17.0595	17.0435
15673	M461T23	1.04477	-0.06319	-0.09411	0.92734	0.900516	DOWN	461.3449	461.3447	461.3451	22.74858	22.741
15674	M336T11_	1.010507	-0.01508	-0.09436	0.927402	0.900522	DOWN	336.2336	336.2334	336.2345	10.91987	10.84487
15675	M201T10_	1.017632	0.025216	0.094403	0.927465	0.900528	UP	201.33	201.3298	201.33	9.970617	9.8753
15676	M755T10_	1.024233	-0.03454	-0.09431	0.927469	0.900528	DOWN	755.4831	755.482	755.4833	9.932417	9.8753
15677	M356T10_	1.009821	-0.0141	-0.09475	0.927555	0.900537	DOWN	355.616	355.6154	355.6163	9.831142	9.715683
15678	M168T23	1.02031	0.029007	0.094892	0.92756	0.900537	UP	168.0733	168.0729	168.0736	22.88567	22.84267
15679	M383T11_	1.018787	-0.02685	-0.0944	0.92767	0.900548	DOWN	383.1178	383.1176	383.1187	10.89875	10.879



15680	M1675T10	1.08906	0.123084	0.094782	0.927692	0.90055	UP	1674.825	1674.824	1674.827	9.970617	9.960817
15681	M419T9_4	1.019822	0.028318	0.095454	0.927737	0.900554	UP	418.747	418.7468	418.7471	9.311167	9.219483
15682	M304T9_2	1.010931	0.015685	-0.09526	0.927807	0.900561	UP	304.3582	304.3579	304.3583	9.312075	9.250817
15683	M226T9_6	1.060347	0.084536	0.093711	0.927878	0.900568	UP	226.2118	226.2108	226.2122	9.40325	9.10275
15684	M595T10_	1.022454	0.032037	0.094994	0.927884	0.900568	UP	594.866	594.8652	594.8666	9.979667	9.8914
15685	M152T10_	1.02379	-0.03392	-0.09338	0.927902	0.90057	DOWN	152.1073	152.1072	152.1075	9.948825	9.859233
15686	M413T13	1.016544	0.023673	0.093508	0.927983	0.900578	UP	413.277	413.2766	413.2773	13.11228	13.05443
15687	M399T10_	1.017415	-0.02491	-0.09344	0.928023	0.900582	DOWN	398.5461	398.5457	398.5463	9.924267	9.827283
15688	M290T22	1.058279	0.08172	0.093431	0.928108	0.90059	UP	290.2686	290.2684	290.2689	22.18375	22.1665
15689	M459T11_	1.030024	0.042678	0.093411	0.928197	0.900598	UP	459.0263	459.0257	459.033	10.89125	10.877
15690	M188T10_	1.029017	0.041267	0.092846	0.928338	0.900612	UP	188.0334	188.0332	188.0335	9.968992	9.859233
15691	M307T10_	1.021501	0.030691	0.092784	0.928407	0.900619	UP	307.2707	307.2704	307.2708	9.971292	9.8753
15692	M562T15	1.037067	0.052509	0.093024	0.928412	0.900619	UP	562.3326	562.3318	562.3335	14.6037	14.51685
15693	M295T11_	1.016478	-0.02358	-0.0927	0.928427	0.900621	DOWN	295.462	295.4612	295.4626	10.8926	10.88995
15694	M288T23_	1.084305	-0.11677	-0.09255	0.928546	0.900632	DOWN	288.3194	288.3154	288.3222	22.89325	22.85683
15695	M251T9_6	1.040187	0.056843	0.092568	0.928607	0.900638	UP	251.4915	251.4883	251.4928	9.3471	9.26025
15696	M505T11_	1.024104	0.034363	0.092448	0.928619	0.900639	UP	505.1198	505.1177	505.121	10.90553	10.879
15697	M206T9_1	1.038446	0.054426	0.092914	0.928712	0.900648	UP	205.9773	205.9764	205.9778	9.37735	9.205717
15698	M657T11_	1.015427	-0.02209	-0.0923	0.928747	0.900651	DOWN	657.4567	657.4563	657.457	11.41137	11.38072
15699	M292T10_	1.031052	-0.04412	-0.09279	0.928908	0.900667	DOWN	291.8873	291.8868	291.8874	9.972917	9.859233
15700	M623T11	1.020355	-0.02907	-0.09237	0.928919	0.900668	DOWN	622.8958	622.8956	622.8962	11.49657	11.47593
15701	M373T44	1.007779	-0.01118	-0.09433	0.928928	0.900669	DOWN	373.2218	373.2217	373.222	44.164	43.94833
15702	M430T44_	1.044319	-0.06256	-0.0939	0.929102	0.900686	DOWN	430.2432	430.2431	430.2435	43.819	43.67067
15703	M416T9_9	1.027308	-0.03887	-0.09228	0.929168	0.900692	DOWN	416.3506	416.3441	416.3515	9.261033	9.12675
15704	M212T10_	1.020506	0.029285	0.091715	0.929204	0.900695	UP	212.1508	212.1505	212.1511	9.972917	9.859233
15705	M225T22	1.014047	-0.02012	-0.09164	0.929239	0.900699	DOWN	225.0907	225.0906	225.0909	22.04633	21.98167
15706	M472T10_	1.06646	-0.09283	-0.09226	0.92927	0.900702	DOWN	472.3729	472.3725	472.3731	9.994767	9.8914
15707	M390T9_6	1.016017	-0.02292	-0.09388	0.929274	0.900702	DOWN	390.3435	390.3434	390.3437	9.29345	9.053483
15708	M293T10_	1.030742	-0.04368	-0.09157	0.929291	0.900704	DOWN	292.5684	292.5675	292.5687	9.903017	9.811217
15709	M1760T10	1.023583	-0.03363	-0.09209	0.929331	0.900708	DOWN	1759.598	1759.593	1759.6	9.964417	9.843367
15710	M1001T10	1.02313	0.032989	0.092595	0.929336	0.900708	UP	1001.103	1001.102	1001.104	9.772833	9.743767
15711	M343T18	1.014793	-0.02119	-0.09173	0.929354	0.90071	DOWN	343.1877	343.1877	343.1879	17.74733	17.7355
15712	M235T10_	1.018462	0.026392	0.09274	0.929369	0.900711	UP	235.0479	235.0478	235.0479	9.895025	9.79535
15713	M677T10_	1.07637	0.106174	0.091391	0.929446	0.900719	UP	677.4653	677.4649	677.4668	9.830083	9.715683
15714	M256T10_	1.11906	0.162287	0.091321	0.929516	0.900725	UP	256.0965	256.0963	256.0987	9.770733	9.746783

15715	M249T10_	1.026232	-0.03736	-0.09233	0.929539	0.900728	DOWN	248.7123	248.7122	248.7126	9.93355	9.714783
15716	M281T45	1.033952	-0.04817	-0.09261	0.929603	0.900734	DOWN	281.1744	281.1743	281.1745	44.71767	44.538
15717	M403T11_	1.014832	0.021241	0.091496	0.929607	0.900734	UP	403.1965	403.1964	403.197	10.89875	10.879
15718	M208T10_	1.032882	0.046675	0.091119	0.929658	0.900739	UP	208.1518	208.1516	208.1519	9.932033	9.811217
15719	M181T10_	1.034567	-0.04903	-0.09125	0.929764	0.900749	DOWN	180.9395	180.9392	180.9395	9.964092	9.859233
15720	M442T11_	1.037689	0.053374	0.091191	0.929797	0.900753	UP	442.4135	442.413	442.4138	10.89839	10.87765
15721	M384T11_	1.02354	-0.03357	-0.09076	0.929938	0.900766	DOWN	384.2957	384.2956	384.2959	11.1244	11.09068
15722	M213T9_3	1.053139	0.074696	0.090704	0.929958	0.900768	UP	212.5863	212.5859	212.5869	9.295208	9.132267
15723	M375T24	1.022954	0.032742	0.090698	0.929978	0.90077	UP	375.2142	375.214	375.2145	23.74733	23.73417
15724	M243T10_	1.030698	-0.04362	-0.09058	0.930051	0.900777	DOWN	243.1619	243.1617	243.162	9.958617	9.843367
15725	M704T27	1.142197	0.191812	0.090519	0.930127	0.900784	UP	703.7081	703.7069	703.7089	26.73917	26.69383
15726	M423T11_	1.082962	-0.11498	-0.09048	0.930138	0.900785	DOWN	423.2226	423.2198	423.2287	10.94063	10.84828
15727	M327T44_	1.014765	0.021146	0.090701	0.930144	0.900786	UP	327.2163	327.2162	327.2166	43.934	43.7615
15728	M348T10_	1.063834	0.089273	0.090392	0.930222	0.900793	UP	347.7948	347.7946	347.7949	9.870017	9.747533
15729	M485T10_	1.018057	0.025818	0.091293	0.930263	0.900797	UP	485.3411	485.3409	485.3413	10.36782	10.31365
15730	M446T9_1	1.02382	0.033963	0.090167	0.930373	0.900808	UP	445.6359	445.6356	445.6361	8.772642	8.672483
15731	M432T9_4	1.019265	-0.02753	-0.09095	0.930458	0.900816	DOWN	431.9174	431.9168	431.919	9.26575	9.129317
15732	M588T10_	1.012013	0.017228	0.092017	0.930556	0.900825	UP	588.0154	588.0154	588.0162	10.44737	10.42742
15733	M242T9_4	1.029703	0.042229	0.090715	0.930565	0.900826	UP	242.1752	242.175	242.1754	8.941383	8.909
15734	M411T11_	1.010456	0.015006	0.089957	0.930617	0.900831	UP	410.7181	410.7173	410.7186	10.90519	10.879
15735	M361T14	1.020719	-0.02959	-0.09027	0.930634	0.900833	DOWN	361.4862	361.4855	361.4865	13.71013	13.62438
15736	M731T10_	1.022963	-0.03275	-0.08975	0.930689	0.900838	DOWN	731.3129	731.3124	731.3132	9.939575	9.827283
15737	M234T9_1	1.021991	0.031382	0.089599	0.930824	0.900851	UP	234.2493	234.2478	234.2501	9.329492	9.1322
15738	M418T10_	1.024692	0.035191	0.089605	0.930842	0.900853	UP	417.8386	417.8379	417.8391	9.970617	9.859233
15739	M281T44_	1.019965	0.02852	0.089765	0.930878	0.900856	UP	281.1744	281.1743	281.1746	43.50283	43.1575
15740	M183T9_6	1.045494	0.064185	0.090312	0.930948	0.900863	UP	182.9522	182.9519	182.953	9.250817	9.147367
15741	M343T11_	1.048988	-0.069	-0.08931	0.931125	0.90088	DOWN	343.1212	343.121	343.1215	10.87487	10.83572
15742	M512T10_	1.009381	0.013471	-0.09034	0.931161	0.900883	UP	511.9632	511.963	511.9634	9.970617	9.8914
15743	M665T10_	1.034927	0.049529	0.089086	0.931204	0.900888	UP	665.2384	665.2379	665.239	9.787433	9.715683
15744	M428T9_2	1.029147	-0.04145	-0.08905	0.931235	0.900891	DOWN	427.6226	427.6223	427.6233	9.324108	9.204617
15745	M460T44_	1.010768	-0.01545	-0.08957	0.931342	0.900901	DOWN	460.2538	460.2535	460.2539	43.57267	43.31533
15746	M908T10_	1.019878	0.028397	0.089734	0.931363	0.900903	UP	907.6876	907.6845	907.6881	10.17253	10.08517
15747	M380T30	1.022681	-0.03236	-0.08986	0.931381	0.900905	DOWN	380.3084	380.3081	380.3086	30.16583	30.165
15748	M270T10_	1.028193	0.040111	0.089514	0.931396	0.900906	UP	270.4767	270.4764	270.4769	9.979342	9.859233
15749	M1968T10	1.01928	-0.02755	-0.08968	0.931491	0.900915	DOWN	1968.438	1968.436	1968.446	9.830283	9.699733

15750	M496T9_7	1.013178	-0.01889	-0.08879	0.931504	0.900916	DOWN	495.8978	495.8976	495.898	9.277017	9.129317
15751	M363T9_7	1.022772	-0.03249	-0.08872	0.931552	0.900921	DOWN	362.8824	362.8817	362.8829	8.953483	8.8398
15752	M435T10_	1.029878	0.042473	0.088553	0.931616	0.900927	UP	434.743	434.7424	434.7434	9.968992	9.859233
15753	M234T10_	1.030317	-0.04309	-0.08864	0.931643	0.90093	DOWN	233.9533	233.9524	233.9663	9.842	9.7124
15754	M307T9_1	1.022694	0.032375	0.08954	0.931684	0.900934	UP	306.5348	306.5346	306.5355	9.317	9.234417
15755	M445T10_	1.011526	-0.01653	-0.08845	0.931696	0.900935	DOWN	445.3906	445.39	445.3908	9.960817	9.843367
15756	M341T10_	1.030247	0.04299	0.088403	0.931798	0.900945	UP	341.2327	341.2292	341.2335	9.960817	9.885167
15757	M708T10_	1.021303	-0.03041	-0.08832	0.931808	0.900946	DOWN	707.9258	707.9249	707.9269	9.95165	9.843367
15758	M326T10_	1.010889	-0.01562	-0.08938	0.931843	0.900949	DOWN	326.3464	326.3461	326.3473	9.831142	9.715683
15759	M362T24	1.029939	0.042558	0.088276	0.931845	0.900949	UP	362.0908	362.0906	362.091	23.9525	23.906
15760	M378T10_	1.010461	-0.01501	-0.08911	0.931986	0.900963	DOWN	378.385	378.3845	378.3851	9.924267	9.811217
15761	M430T24	1.024117	0.034381	0.088188	0.931991	0.900963	UP	429.783	429.7826	429.7834	24.43042	24.4045
15762	M396T19	1.018386	0.026284	0.088285	0.932036	0.900967	UP	395.5843	395.5841	395.5844	18.9655	18.951
15763	M373T23_	1.023763	-0.03388	-0.08786	0.93215	0.900978	DOWN	373.269	373.2689	373.2691	22.53825	22.49417
15764	M817T10_	1.018819	0.026897	0.088896	0.932159	0.900979	UP	816.6231	816.6225	816.6244	9.959533	9.859233
15765	M494T10_	1.029184	-0.0415	-0.0883	0.932178	0.900981	DOWN	494.2862	494.2856	494.2866	10.09898	10.07688
15766	M347T10_	1.029277	0.041632	0.088214	0.932181	0.900981	UP	347.4769	347.4766	347.4773	9.81635	9.766367
15767	M244T10_	1.039266	-0.05556	0.088124	0.932195	0.900983	DOWN	243.9842	243.9736	243.9843	9.948825	9.843367
15768	M191T10_	1.020832	-0.02975	-0.08779	0.932212	0.900984	DOWN	190.8943	190.8942	190.8944	9.956417	9.843367
15769	M360T10_	1.021564	-0.03078	-0.08788	0.932218	0.900985	DOWN	360.1191	360.118	360.1199	9.826792	9.699733
15770	M551T11_	1.016156	-0.02312	-0.08769	0.932291	0.900992	DOWN	550.8024	550.7999	550.8035	10.91376	10.879
15771	M272T11_	1.022933	0.032711	0.088955	0.932501	0.901012	UP	271.5476	271.5473	271.548	10.88995	10.8646
15772	M366T9_2	1.034204	-0.04852	-0.08738	0.932514	0.901013	DOWN	365.5684	365.5679	365.5751	9.250817	9.160617
15773	M1561T10	1.016429	-0.02351	-0.0887	0.932518	0.901013	DOWN	1560.773	1560.77	1560.78	9.917167	9.79535
15774	M297T11_	1.014936	0.021389	0.088402	0.932569	0.901018	UP	297.4232	297.4231	297.4234	10.92598	10.873
15775	M299T40_	1.021714	0.030992	0.087799	0.932578	0.901019	UP	299.1487	299.1486	299.1489	40.05017	39.89183
15776	M239T10_	1.034354	0.048729	0.08765	0.932685	0.901029	UP	239.0126	239.0123	239.0129	9.962617	9.843367
15777	M347T21_	1.031704	-0.04503	-0.08708	0.932792	0.90104	DOWN	347.3871	347.3867	347.3876	20.62308	20.62
15778	M538T10_	1.046065	-0.06497	-0.087	0.932809	0.901041	DOWN	537.8815	537.8811	537.8818	9.983433	9.916767
15779	M434T24	1.054082	-0.07599	-0.0873	0.932877	0.901048	DOWN	434.3075	434.3061	434.3082	23.93275	23.89133
15780	M456T9_1	1.064124	0.089667	0.086864	0.933026	0.901062	UP	456.4295	456.4293	456.4299	9.352117	9.324917
15781	M331T10_	1.058129	-0.08152	-0.08681	0.933093	0.901068	DOWN	331.0548	331.0545	331.0548	9.816167	9.743667
15782	M1126T10	1.055328	0.077692	0.088834	0.933195	0.901078	UP	1126.437	1126.434	1126.438	9.970617	9.8753
15783	M264T11_	1.012476	0.017888	0.086484	0.933213	0.90108	UP	263.7836	263.7835	263.7836	10.8926	10.873
15784	M716T10_	1.010738	-0.01541	-0.08631	0.933413	0.901099	DOWN	715.5094	715.5091	715.5096	10.13125	10.03658

15785	M540T28	1.01889	-0.027	-0.08632	0.933496	0.901107	DOWN	540.4258	540.4251	540.4264	28.491	28.46133
15786	M957T11	1.014073	-0.02016	-0.08631	0.933497	0.901107	DOWN	957.006	957.0053	957.0072	10.892	10.879
15787	M283T11_	1.013461	-0.01929	-0.08596	0.933688	0.901125	DOWN	282.6953	282.6951	282.6955	11.49742	11.47298
15788	M355T11_	1.020344	-0.02906	-0.08575	0.933819	0.901138	DOWN	355.1691	355.1688	355.1694	10.8926	10.88995
15789	M1036T18	1.040356	-0.05708	-0.08601	0.933832	0.901139	DOWN	1036.172	1036.171	1036.172	17.8625	17.835
15790	M263T10_	1.024368	0.034734	0.087452	0.933918	0.901147	UP	263.016	263.0157	263.016	9.853633	9.747533
15791	M210T10_	1.022371	0.031919	0.086007	0.933943	0.90115	UP	210.4936	210.4936	210.4937	9.900133	9.806367
15792	M785T10_	1.017267	-0.0247	-0.08741	0.933949	0.90115	DOWN	784.9532	784.9526	784.9543	10.22983	10.12287
15793	M328T9_5	1.056844	-0.07976	-0.08552	0.933955	0.901151	DOWN	328.3231	328.323	328.3233	9.075083	9.023483
15794	M293T10_	1.054693	-0.07682	-0.08553	0.933975	0.901153	DOWN	293.3567	293.3565	293.3568	9.967533	9.8914
15795	M503T9_5	1.023678	-0.03376	-0.08666	0.934106	0.901165	DOWN	503.1057	503.1035	503.106	9.168575	9.12675
15796	M342T16	1.020342	-0.02905	-0.08526	0.934247	0.901179	DOWN	341.7673	341.767	341.7674	16.17003	16.0965
15797	M557T9_5	1.031947	-0.04537	-0.08539	0.93427	0.901181	DOWN	557.2051	557.2021	557.2073	9.2585	9.0637
15798	M802T27_	1.007005	0.010071	-0.08538	0.934371	0.90119	UP	802.0847	802.0821	802.0855	26.767	26.70817
15799	M476T22_	1.014919	-0.02136	-0.08511	0.934389	0.901192	DOWN	475.834	475.8338	475.8345	22.12792	22.1175
15800	M1717T10	1.015413	0.022066	0.08619	0.934511	0.901204	UP	1717.246	1717.244	1717.247	9.8207	9.7124
15801	M854T12	1.014588	-0.02089	-0.08575	0.934579	0.90121	DOWN	853.6017	853.6012	853.6022	12.09976	12.06212
15802	M207T9_5	1.03562	-0.05049	-0.08669	0.934672	0.901219	DOWN	206.7695	206.7688	206.7762	9.3919	9.132267
15803	M423T11_	1.051148	-0.07197	-0.08472	0.934677	0.90122	DOWN	423.415	423.4095	423.4178	10.95122	10.80547
15804	M804T11_	1.023625	0.033688	0.084494	0.934749	0.901226	UP	804.0895	804.0889	804.0901	11.23607	11.19512
15805	M244T10_	1.025604	0.036474	0.086479	0.934805	0.901232	UP	243.9387	243.9283	243.9394	9.768233	9.636483
15806	M178T10_	1.019004	0.02716	0.084261	0.935004	0.901251	UP	178.204	178.2038	178.2102	9.979958	9.8753
15807	M356T10_	1.060013	-0.08408	-0.08393	0.935178	0.901267	DOWN	356.358	356.3574	356.3584	9.8232	9.715683
15808	M227T9_1	1.078153	0.108562	0.083901	0.935231	0.901272	UP	227.2338	227.2257	227.2381	8.725033	8.624367
15809	M501T41	1.013987	0.020039	0.083879	0.935246	0.901274	UP	501.4849	501.4845	501.4864	40.56083	40.52483
15810	M613T10_	1.012185	-0.01747	-0.08444	0.935285	0.901277	DOWN	613.4172	613.4169	613.4175	10.39613	10.34372
15811	M295T9_3	1.045075	-0.06361	-0.08452	0.935293	0.901278	DOWN	294.6719	294.6714	294.672	9.306925	9.129317
15812	M1567T10	1.029934	-0.04255	-0.08396	0.93531	0.90128	DOWN	1567.003	1567	1567.006	9.970617	9.859233
15813	M813T10_	1.02619	0.037297	0.083609	0.935463	0.901294	UP	812.9665	812.9646	812.9675	9.964092	9.859233
15814	M304T9_1	1.069549	-0.097	-0.08355	0.935546	0.901302	DOWN	304.2074	304.2071	304.2079	9.077867	9.031633
15815	M237T11_	1.012285	-0.01762	-0.0837	0.935569	0.901304	DOWN	237.4905	237.4904	237.4907	10.892	10.879
15816	M1212T10	1.064103	-0.08964	-0.08423	0.935596	0.901307	DOWN	1212.113	1212.113	1212.115	9.964167	9.843367
15817	M773T10_	1.028653	-0.04076	-0.08433	0.935669	0.901314	DOWN	773.4914	773.4912	773.4921	9.962617	9.859233
15818	M342T10_	1.01075	0.015426	0.08474	0.935707	0.901318	UP	342.0884	342.0881	342.0887	9.960417	9.8753
15819	M433T9_9	1.030843	0.043825	0.083223	0.935758	0.901322	UP	433.1172	433.1167	433.1179	9.202642	9.1175

15820	M327T11_	1.023791	0.033921	0.083145	0.935806	0.901327	UP	327.444	327.4437	327.4444	10.89728	10.879
15821	M442T10_	1.011225	-0.0161	-0.08413	0.935826	0.901329	DOWN	442.3334	442.3328	442.3342	9.7881	9.681183
15822	M647T11	1.019623	0.028036	0.084424	0.935856	0.901332	UP	646.5847	646.5839	646.5852	11.49547	11.47298
15823	M495T9_5	1.013426	-0.01924	-0.08303	0.935884	0.901334	DOWN	494.6819	494.6815	494.6821	9.277017	9.129317
15824	M215T11_	1.011192	-0.0171	-0.08421	0.935888	0.901335	DOWN	214.7558	214.7549	214.7561	10.90765	10.87487
15825	M214T10_	1.011168	-0.01602	-0.08291	0.935989	0.901344	DOWN	213.6794	213.6793	213.6795	9.872067	9.774967
15826	M492T9_4	1.020197	0.028847	0.083294	0.936014	0.901347	UP	492.301	492.3008	492.3029	9.365833	9.12675
15827	M777T10_	1.015256	-0.02184	-0.08281	0.936044	0.90135	DOWN	777.3299	777.3293	777.3312	9.945775	9.843367
15828	M378T23	1.036217	-0.05133	-0.08278	0.93607	0.901352	DOWN	378.2635	378.2633	378.2636	22.75583	22.741
15829	M386T10_	1.025325	-0.03608	-0.08286	0.936103	0.901355	DOWN	386.0368	386.0365	386.0415	9.929783	9.822117
15830	M848T10_	1.01799	-0.02572	-0.08319	0.936217	0.901366	DOWN	848.2532	848.2516	848.2543	9.949242	9.853533
15831	M603T10_	1.023196	-0.03308	-0.08251	0.936292	0.901373	DOWN	602.5039	602.5037	602.5042	9.956417	9.843367
15832	M291T10_	1.019754	-0.02822	-0.08416	0.936405	0.901384	DOWN	291.0631	291.0628	291.0632	9.975142	9.8753
15833	M231T10_	1.009999	-0.01435	-0.08317	0.936406	0.901384	DOWN	231.1527	231.1526	231.1527	9.917167	9.811217
15834	M1871T11	1.035505	0.050334	0.082796	0.936439	0.901387	UP	1870.537	1870.532	1870.538	10.93913	10.91977
15835	M438T12_	1.014236	0.020394	0.082677	0.936547	0.901397	UP	438.2645	438.2644	438.2715	11.87443	11.86875
15836	M241T10_	1.015333	0.021952	0.082207	0.936577	0.9014	UP	240.6142	240.6141	240.6143	9.956417	9.843367
15837	M286T30	1.017543	0.02509	0.083256	0.936679	0.90141	UP	286.3103	286.31	286.3108	29.97833	29.97817
15838	M511T9_1	1.11016	-0.15077	-0.08252	0.936684	0.90141	DOWN	510.7094	510.7089	510.7096	9.315033	9.29015
15839	M401T11_	1.031717	0.045048	0.081977	0.936692	0.901411	UP	400.8818	400.872	400.8851	10.95047	10.92208
15840	M219T8	1.024139	0.034411	0.084098	0.93672	0.901414	UP	218.9195	218.9194	218.9196	7.517417	7.395283
15841	M318T10_	1.014035	-0.02011	-0.08193	0.936722	0.901414	DOWN	317.5953	317.595	317.5964	9.8214	9.699733
15842	M450T44	1.006572	0.00945	0.083802	0.936739	0.901416	UP	450.233	450.2329	450.2332	43.90517	43.76167
15843	M271T11_	1.011032	-0.01583	-0.08175	0.936902	0.901431	DOWN	271.0358	271.0355	271.0359	10.89875	10.879
15844	M437T11_	1.009818	-0.0141	-0.08222	0.936923	0.901433	DOWN	436.5915	436.5913	436.5922	10.90551	10.879
15845	M829T10_	1.03231	-0.04588	-0.08176	0.937046	0.901445	DOWN	828.7287	828.7274	828.7296	9.954767	9.843367
15846	M225T43_	1.005481	-0.00789	-0.08167	0.937069	0.901447	DOWN	225.1118	225.1117	225.1119	43.3425	43.22933
15847	M498T9_3	1.022284	0.031796	0.083724	0.937069	0.901447	UP	497.7115	497.7114	497.7116	9.16125	9.129317
15848	M163T10_	1.014062	-0.02015	-0.08157	0.93709	0.901449	DOWN	163.0952	163.095	163.0953	9.97155	9.859233
15849	M218T11_	1.019947	0.028494	0.081638	0.937147	0.901454	UP	218.0687	218.0685	218.0689	10.90522	10.87708
15850	M416T11_	1.020757	0.029639	0.082114	0.937155	0.901455	UP	416.086	416.0858	416.0868	10.90785	10.82972
15851	M254T10_	1.043145	-0.06094	-0.08104	0.93743	0.901481	DOWN	253.8868	253.8866	253.8903	9.834267	9.8161
15852	M243T9_7	1.043352	-0.06123	-0.08116	0.937432	0.901481	DOWN	243.0075	243.0074	243.0076	9.432533	9.38595
15853	M485T9_2	1.013938	-0.01997	-0.08246	0.937433	0.901481	DOWN	485.3679	485.3677	485.3697	9.311883	9.234417
15854	M381T42	1.003129	0.004507	0.081051	0.937451	0.901483	UP	381.3361	381.3359	381.3363	41.60383	41.58967

15855	M633T10_	1.033089	-0.04696	-0.081	0.93757	0.901494	DOWN	633.1734	633.1723	633.1816	9.9009	9.445217
15856	M351T11_	1.027971	0.0398	0.082298	0.937608	0.901498	UP	351.2503	351.2502	351.2504	11.06392	11.03783
15857	M277T30	1.006678	-0.0096	-0.0806	0.937759	0.901512	DOWN	277.1796	277.1795	277.1797	29.83383	29.8195
15858	M1039T19	1.019489	0.027846	0.080637	0.937776	0.901514	UP	1038.534	1038.533	1038.535	19.40883	19.372
15859	M334T9_8	1.020034	-0.02862	-0.08051	0.937836	0.901519	DOWN	334.4786	334.4777	334.4787	8.806967	8.686867
15860	M243T7	1.032942	-0.04676	-0.08205	0.937929	0.901528	DOWN	243.1829	243.1827	243.183	6.706117	6.648383
15861	M323T11	1.019905	-0.02844	-0.07994	0.938307	0.901564	DOWN	323.4909	323.4908	323.4911	10.89953	10.89125
15862	M417T9_1	1.027914	-0.03972	-0.08048	0.938595	0.901591	DOWN	417.1731	417.1668	417.1733	8.899467	8.597167
15863	M508T45_	1.021609	-0.03084	-0.07983	0.938613	0.901593	DOWN	508.3111	508.3108	508.3114	44.77217	44.30783
15864	M478T41_	1.013429	-0.01925	-0.0811	0.938728	0.901604	DOWN	478.3006	478.3003	478.301	41.25867	41.1005
15865	M562T42_	1.015162	0.02171	0.079742	0.938752	0.901606	UP	562.3219	562.3217	562.3221	42.43817	42.35183
15866	M388T21	1.014394	0.020618	0.079385	0.938848	0.901615	UP	387.7819	387.7809	387.7823	21.1015	21.08267
15867	M464T11_	1.016955	-0.02426	-0.08	0.938885	0.901619	DOWN	463.7412	463.7409	463.7419	10.89193	10.84487
15868	M240T10_	1.015653	-0.02241	-0.07947	0.938892	0.901619	DOWN	240.2981	240.2977	240.2987	9.97155	9.859233
15869	M509T11_	1.009469	-0.0136	-0.07936	0.938916	0.901622	DOWN	508.6589	508.6579	508.6595	10.90657	10.879
15870	M699T9_4	1.076378	-0.10618	-0.07908	0.938952	0.901625	DOWN	699.4064	699.4058	699.4088	9.098833	8.924217
15871	M784T10_	1.023931	-0.03412	-0.07898	0.93899	0.901629	DOWN	783.5042	783.5028	783.5053	9.958617	9.843367
15872	M452T9_3	1.025042	0.035683	0.079075	0.939027	0.901632	UP	451.697	451.6954	451.6984	9.446008	9.204617
15873	M245T10_	1.011238	-0.01612	-0.07871	0.939394	0.901667	DOWN	245.1859	245.1858	245.186	9.964092	9.843367
15874	M540T10_	1.010726	-0.01539	-0.07851	0.939539	0.90168	DOWN	539.7103	539.7098	539.7117	9.934533	9.827283
15875	M390T10_	1.016411	-0.02348	-0.07994	0.939638	0.90169	DOWN	390.2363	390.2359	390.2364	10.32433	10.25853
15876	M335T30	1.017844	0.025516	0.079126	0.939659	0.901692	UP	335.279	335.2788	335.2791	30.09342	30.07833
15877	M243T10_	1.022806	0.032533	0.078626	0.93968	0.901694	UP	243.1783	243.1782	243.1795	9.951283	9.920517
15878	M452T9_9	1.024224	0.034532	0.079619	0.939711	0.901697	UP	452.4803	452.4802	452.4812	9.18975	9.12675
15879	M501T9_6	1.04206	-0.05944	-0.07858	0.939743	0.9017	DOWN	501.1844	501.1794	501.1876	9.324967	9.048117
15880	M216T10_	1.023628	-0.03369	-0.07849	0.939761	0.901701	DOWN	216.3627	216.3625	216.3628	9.977442	9.8753
15881	M960T10	1.030346	-0.04313	-0.07787	0.939849	0.90171	DOWN	960.2577	960.2573	960.2586	9.907917	9.859233
15882	M239T9_1	1.018515	0.026467	0.077881	0.93996	0.90172	UP	238.662	238.6617	238.6621	8.92085	8.730433
15883	M763T10_	1.028364	0.040351	0.078094	0.940014	0.901725	UP	763.4651	763.4649	763.4655	9.746783	9.665433
15884	M302T32	1.033463	0.047486	0.079133	0.940106	0.901734	UP	302.144	302.1437	302.1443	32.46025	32.43117
15885	M519T10_	1.034977	-0.0496	-0.07781	0.940155	0.901739	DOWN	518.5135	518.5129	518.5155	9.96445	9.859233
15886	M322T11_	1.011855	-0.017	-0.07773	0.940245	0.901747	DOWN	321.5135	321.5133	321.5139	10.892	10.879
15887	M166T7	1.038022	0.053837	0.078083	0.940265	0.901749	UP	166.0472	166.0471	166.0472	6.530858	6.396517
15888	M649T10_	1.017034	0.024368	0.078623	0.940285	0.901751	UP	648.6983	648.6975	648.6987	9.9754	9.8914
15889	M242T10_	1.009415	0.01352	0.077577	0.940288	0.901751	UP	242.1751	242.1749	242.1751	9.957333	9.843367

15890	M415T12	1.015934	0.022806	0.07904	0.940326	0.901755	UP	415.2802	415.2798	415.2803	11.87451	11.85617
15891	M484T9_4	1.020459	0.029218	0.078395	0.940356	0.901757	UP	484.3149	484.3133	484.3155	8.95245	8.89395
15892	M264T9_4	1.024068	0.034311	0.077644	0.940449	0.901766	UP	263.9346	263.9345	263.9347	8.735017	8.6152
15893	M449T9_7	1.017028	-0.02436	-0.07688	0.940757	0.901795	DOWN	449.3625	449.362	449.3632	9.364642	9.1322
15894	M497T9_5	1.032068	-0.04554	-0.07692	0.940804	0.9018	DOWN	496.7984	496.7947	496.7995	9.128033	9.106183
15895	M1339T10	1.027383	0.038973	0.077129	0.940808	0.9018	UP	1338.95	1338.949	1338.954	9.972917	9.859233
15896	M540T11_	1.027237	0.038769	0.076678	0.940812	0.9018	UP	539.7488	539.748	539.7489	10.87521	10.83572
15897	M397T11_	1.015125	-0.02166	-0.07696	0.940851	0.901804	DOWN	396.5784	396.5781	396.5796	10.91263	10.88747
15898	M363T9_1	1.020957	0.029922	0.0765	0.940948	0.901813	UP	363.4054	363.404	363.4083	9.2033	9.147367
15899	M224T7_2	1.047444	0.066873	0.076378	0.940996	0.901818	UP	224.1619	224.1617	224.1713	7.317642	7.061517
15900	M759T11_	1.012295	0.01763	0.07664	0.941013	0.901819	UP	759.2547	759.2535	759.2556	10.8926	10.8646
15901	M564T42_	1.008053	-0.01157	-0.07846	0.941059	0.901824	DOWN	564.3374	564.3373	564.3377	41.58292	41.2585
15902	M391T9_4	1.018546	-0.02651	-0.07671	0.941144	0.901832	DOWN	391.0248	391.0242	391.0272	9.250133	9.142767
15903	M953T11_	1.022967	0.03276	0.076504	0.941332	0.901849	UP	953.3281	953.3268	953.3287	10.8852	10.86253
15904	M271T11_	1.018749	-0.0268	-0.076	0.941367	0.901853	DOWN	270.5655	270.5652	270.5657	10.94208	10.89125
15905	M597T10_	1.016275	0.023291	0.075801	0.941439	0.901859	UP	597.2605	597.259	597.2607	9.977025	9.843367
15906	M768T34	1.032785	0.046541	0.075947	0.941441	0.90186	UP	767.5351	767.5346	767.5354	34.22383	34.19067
15907	M320T22	1.013831	-0.01982	-0.07685	0.941525	0.901868	DOWN	320.2944	320.2942	320.2949	22.32958	22.31117
15908	M156T10_	1.023875	0.03404	0.075635	0.941658	0.90188	UP	156.0434	156.0433	156.0435	9.94785	9.827283
15909	M1764T10	1.018172	-0.02598	-0.07591	0.941658	0.90188	DOWN	1764.119	1764.116	1764.121	9.830833	9.715683
15910	M366T28	1.032613	0.046299	0.075398	0.941756	0.901889	UP	366.2848	366.2846	366.285	28.24383	28.23
15911	M677T10_	1.060893	-0.08528	-0.07528	0.941943	0.901907	DOWN	676.6441	676.6436	676.6444	9.857683	9.747533
15912	M426T9_2	1.026769	0.038111	0.075166	0.941944	0.901907	UP	426.2765	426.2761	426.2766	8.848167	8.742633
15913	M804T16	1.017676	-0.02528	-0.07669	0.941946	0.901907	DOWN	804.4226	804.4222	804.4233	15.70177	15.65182
15914	M271T10_	1.018768	-0.02683	-0.07508	0.941996	0.901912	DOWN	270.6181	270.6116	270.6182	9.9847	9.874317
15915	M219T9_1	1.056186	0.078864	0.075228	0.942034	0.901915	UP	219.4924	219.4909	219.4955	9.250817	9.023483
15916	M189T9_1	1.022607	-0.03225	-0.07507	0.942063	0.901918	DOWN	189.0343	189.0337	189.0347	9.220208	9.146383
15917	M288T23_	1.066772	-0.09325	-0.07499	0.94207	0.901919	DOWN	288.3036	288.3014	288.3068	22.87142	22.79933
15918	M873T11	1.017237	0.024656	0.074518	0.942457	0.901955	UP	872.6859	872.6825	872.6882	10.90548	10.8914
15919	M239T10_	1.015684	-0.02245	-0.07468	0.942528	0.901962	DOWN	238.8484	238.8479	238.8487	9.914217	9.811217
15920	M451T9_4	1.023953	-0.03415	-0.07444	0.942533	0.901962	DOWN	450.7037	450.7034	450.7057	9.240042	9.12675
15921	M319T11_	1.017092	0.02445	0.07488	0.942676	0.901976	UP	319.1369	319.1363	319.1378	10.89907	10.8646
15922	M380T23	1.01839	-0.02629	-0.07418	0.942766	0.901984	DOWN	380.2791	380.279	380.2793	23.46533	23.4255
15923	M252T11_	1.054435	-0.07647	-0.07416	0.942817	0.901989	DOWN	251.9279	251.9277	251.9281	10.91808	10.87765
15924	M415T11_	1.022359	-0.0319	-0.07395	0.942887	0.901995	DOWN	414.9437	414.943	414.9441	10.90659	10.879

15925	M610T10_	1.014165	-0.02029	-0.07424	0.942966	0.902003	DOWN	609.9061	609.9059	609.9065	10.39007	10.34372
15926	M455T10_	1.028219	-0.04015	-0.07384	0.943062	0.902012	DOWN	455.4436	455.4432	455.4439	9.8887	9.746783
15927	M613T11_	1.026878	-0.03827	-0.07367	0.943115	0.902017	DOWN	612.9067	612.9063	612.9072	10.87708	10.85018
15928	M340T10_	1.066061	-0.09229	-0.07356	0.943171	0.902022	DOWN	340.3135	340.3018	340.3157	9.857167	9.746783
15929	M423T11_	1.067815	-0.09466	-0.07353	0.943194	0.902024	DOWN	423.2113	423.201	423.2129	10.92083	10.8646
15930	M732T11_	1.014625	-0.02095	-0.07364	0.943355	0.902039	DOWN	731.9395	731.9386	731.9399	10.89193	10.85018
15931	M592T38	1.010538	-0.01512	-0.07541	0.943434	0.902047	DOWN	592.3325	592.3323	592.3329	37.97833	37.53233
15932	M594T11_	1.010028	0.014395	0.073052	0.943564	0.902059	UP	593.5271	593.5266	593.5293	10.90519	10.85018
15933	M359T10_	1.055372	-0.07775	-0.07335	0.943569	0.902059	DOWN	358.6828	358.6825	358.683	9.994767	9.8914
15934	M193T10_	1.039606	0.056036	0.073628	0.943577	0.90206	UP	193.4602	193.4599	193.4674	9.841658	9.8207
15935	M690T10_	1.016849	-0.0241	-0.07307	0.943632	0.902065	DOWN	690.3542	690.354	690.3546	9.617975	9.587217
15936	M355T10_	1.008987	-0.01291	-0.07307	0.943689	0.902071	DOWN	355.2228	355.2195	355.2229	9.900733	9.699733
15937	M709T10_	1.013556	0.019426	0.072898	0.943711	0.902073	UP	708.9925	708.9919	708.9937	9.962617	9.843367
15938	M546T10_	1.010696	-0.01535	-0.07302	0.943766	0.902078	DOWN	546.0745	546.0741	546.0751	9.985117	9.8753
15939	M334T22	1.061865	-0.0866	-0.07281	0.94377	0.902078	DOWN	334.2373	334.2366	334.2379	22.27875	22.2315
15940	M452T10_	1.048836	0.068789	0.073031	0.943934	0.902093	UP	451.5343	451.534	451.5344	9.969925	9.859233
15941	M228T10_	1.012745	0.018271	0.072562	0.943949	0.902095	UP	227.5629	227.5628	227.563	9.873192	9.806367
15942	M684T9_3	1.026868	-0.03825	-0.07252	0.943971	0.902097	DOWN	684.1764	684.1719	684.1812	9.221767	9.110833
15943	M230T10_	1.010963	-0.01573	-0.07261	0.944076	0.902107	DOWN	229.6895	229.6852	229.6899	9.842183	9.827283
15944	M478T41_	1.005767	-0.0083	-0.07339	0.944161	0.902115	DOWN	478.3006	478.3004	478.301	40.91333	40.68317
15945	M387T18	1.020322	-0.02902	-0.07222	0.944203	0.902119	DOWN	387.2488	387.2486	387.2489	18.2775	18.26933
15946	M426T34	1.029747	-0.04229	-0.07174	0.94459	0.902155	DOWN	426.3937	426.3933	426.3939	33.84583	33.8165
15947	M171T10_	1.010091	-0.01449	-0.07213	0.944637	0.902159	DOWN	170.6491	170.649	170.6493	9.8397	9.715683
15948	M328T15	1.006176	-0.00888	-0.07166	0.94475	0.90217	DOWN	328.2844	328.2843	328.2846	15.16129	15.1316
15949	M335T11_	1.008001	0.011497	0.071511	0.94482	0.902176	UP	335.4668	335.4665	335.4676	10.90551	10.879
15950	M774T10_	1.013184	0.018897	0.071383	0.944845	0.902179	UP	774.4367	774.4357	774.4374	10.45967	10.39197
15951	M229T11_	1.02055	0.029347	0.07166	0.944937	0.902187	UP	229.4436	229.4432	229.4437	10.91987	10.879
15952	M508T9_1	1.009257	0.013294	0.071368	0.94494	0.902187	UP	507.9815	507.981	507.9822	9.346658	9.283817
15953	M283T22	1.046426	0.06547	0.071177	0.945021	0.902195	UP	283.1666	283.1666	283.1672	22.024	21.9265
15954	M1420T9	1.019698	-0.02814	-0.07085	0.945286	0.90222	DOWN	1419.812	1419.805	1419.813	9.481367	9.38665
15955	M220T9_1	1.072215	-0.10059	-0.07091	0.945309	0.902222	DOWN	220.1228	220.121	220.1271	9.295167	9.159717
15956	M550T10_	1.016563	-0.0237	-0.0715	0.945346	0.902225	DOWN	549.7091	549.7082	549.7097	9.951283	9.827283
15957	M326T11_	1.021746	0.031037	0.07056	0.945512	0.902241	UP	325.5478	325.5476	325.5483	10.873	10.82972
15958	M335T9_4	1.019072	0.027256	0.070419	0.945629	0.902252	UP	334.7292	334.7291	334.7295	8.78005	8.682683
15959	M391T15_	1.054387	-0.0764	-0.07064	0.945689	0.902257	DOWN	391.3068	391.3064	391.3148	15.30765	15.29263



15960	M659T9_2	1.036369	-0.05154	-0.07018	0.94581	0.902269	DOWN	658.8518	658.8515	658.8526	9.340908	9.234417
15961	M755T10_	1.012713	-0.01823	-0.07016	0.945921	0.902279	DOWN	754.7042	754.7027	754.7045	9.962617	9.843367
15962	M337T10_	1.030784	0.043742	0.070183	0.945967	0.902283	UP	337.3962	337.3959	337.3965	9.958617	9.843367
15963	M250T10_	1.070009	0.097623	0.070242	0.945978	0.902284	UP	249.6479	249.6475	249.6481	9.956417	9.843367
15964	M318T17	1.02396	-0.03416	-0.06969	0.946178	0.902303	DOWN	318.2788	318.2785	318.279	16.81158	16.797
15965	M493T11_	1.021511	0.030705	0.06959	0.946312	0.902315	UP	492.743	492.7386	492.7439	10.90553	10.89125
15966	M206T9_1	1.034364	-0.04874	-0.07002	0.946362	0.90232	DOWN	205.956	205.9552	205.9563	9.18975	9.1175
15967	M357T11_	1.011109	0.015938	0.069352	0.946468	0.90233	UP	356.9677	356.9675	356.9684	10.892	10.8646
15968	M974T10_	1.017591	-0.02516	-0.06922	0.946526	0.902335	DOWN	974.4149	974.414	974.4151	10.09898	10.00428
15969	M209T10_	1.018155	-0.02596	-0.0702	0.946629	0.902345	DOWN	209.4743	209.4741	209.4744	9.972917	9.8753
15970	M263T10_	1.024247	-0.03456	-0.06971	0.946702	0.902352	DOWN	263.0943	263.0942	263.0944	9.964167	9.8753
15971	M172T10_	1.018502	-0.02645	-0.06899	0.946717	0.902353	DOWN	171.9501	171.95	171.9504	9.825767	9.715683
15972	M480T9_4	1.022066	-0.03149	-0.06889	0.946768	0.902358	DOWN	479.9113	479.9108	479.9114	9.3771	9.249433
15973	M396T9_1	1.016514	-0.02363	-0.06902	0.946807	0.902361	DOWN	396.1148	396.1144	396.1155	9.339583	9.24215
15974	M453T9_9	1.031041	0.044102	0.068801	0.946845	0.902365	UP	453.185	453.1787	453.1901	9.3261	9.219483
15975	M408T10_	1.026848	0.038222	0.068735	0.947033	0.902383	UP	408.1447	408.1442	408.1448	9.958617	9.843367
15976	M1670T10	1.025029	0.035664	0.068919	0.947069	0.902386	UP	1670.416	1670.416	1670.418	9.975217	9.859233
15977	M445T30	1.013133	-0.01882	-0.06986	0.947155	0.902394	DOWN	445.3131	445.3128	445.3133	30.2315	30.2225
15978	M532T42	1.019157	0.027377	0.069666	0.947203	0.902398	UP	532.3112	532.3108	532.3116	42.136	41.77633
15979	M644T10_	1.01048	0.015041	0.069243	0.947229	0.902401	UP	644.3342	644.3337	644.3347	9.659383	9.5731
15980	M564T42_	1.02648	-0.03771	-0.07041	0.94723	0.902401	DOWN	564.3012	564.3009	564.3015	41.84108	41.73333
15981	M336T11_	1.022082	-0.03151	-0.06898	0.947259	0.902404	DOWN	336.1314	336.1291	336.1333	10.92253	10.83417
15982	M512T30	1.01301	-0.01865	-0.06879	0.94729	0.902406	DOWN	512.3869	512.3861	512.387	30.2805	30.266
15983	M264T11_	1.018829	-0.02691	-0.06821	0.947344	0.902411	DOWN	263.9049	263.9046	263.9051	10.86769	10.83572
15984	M406T40_	1.021549	0.030759	0.067906	0.947577	0.902433	UP	406.2069	406.2068	406.2071	40.02133	39.84917
15985	M374T9_6	1.017716	-0.02533	-0.06776	0.947656	0.90244	DOWN	374.2364	374.2362	374.2367	9.317	9.262217
15986	M1395T10	1.003768	-0.00543	0.067972	0.947698	0.902444	DOWN	1394.98	1394.979	1394.983	9.931675	9.843367
15987	M234T9_6	1.031006	0.044052	0.067763	0.947763	0.90245	UP	233.9034	233.9023	233.9063	9.251742	9.160617
15988	M239T11_	1.007058	-0.01015	-0.06797	0.947851	0.902459	DOWN	239.0503	239.0502	239.051	10.91987	10.84487
15989	M583T10_	1.016126	0.023079	0.067663	0.947882	0.902461	UP	583.269	583.2684	583.2697	9.983433	9.8753
15990	M331T10_	1.011493	-0.01649	-0.06735	0.94806	0.902478	DOWN	330.7022	330.702	330.7023	9.967533	9.859233
15991	M484T10_	1.010968	-0.01574	-0.06729	0.948066	0.902478	DOWN	484.4871	484.4867	484.4874	9.968992	9.859233
15992	M368T10_	1.023638	0.033706	0.067518	0.948135	0.902485	UP	368.0075	368.0072	368.0077	9.870017	9.766367
15993	M425T13_	1.019811	0.028301	0.067018	0.948261	0.902497	UP	425.3105	425.3103	425.311	12.7041	12.64618
15994	M503T9_8	1.035766	0.050698	0.067116	0.948295	0.9025	UP	503.3062	503.3044	503.3075	8.981917	8.88765

15995	M438T12_	1.01773	0.025355	0.066688	0.948468	0.902516	UP	438.2946	438.2944	438.2952	12.09943	12.0789
15996	M642T9_1	1.014726	0.02109	0.066656	0.948506	0.902519	UP	641.6349	641.6279	641.6363	9.280767	9.12675
15997	M418T9_2	1.033476	0.047505	0.066768	0.948555	0.902524	UP	417.803	417.8025	417.8049	9.388367	9.129317
15998	M401T11_	1.025348	0.036113	0.066605	0.948639	0.902532	UP	400.8617	400.8518	400.8637	10.95222	10.8914
15999	M477T10_	1.015303	-0.02191	-0.06631	0.9488	0.902547	DOWN	476.5615	476.5598	476.5618	9.788267	9.46925
16000	M320T43_	1.029564	0.042034	0.065887	0.949092	0.902574	UP	320.1702	320.17	320.1702	42.7835	42.5675
16001	M1854T10_	1.0124	-0.01778	-0.06585	0.949115	0.902576	DOWN	1853.741	1853.737	1853.748	9.836042	9.715683
16002	M567T10_	1.027049	-0.03851	-0.06583	0.949136	0.902578	DOWN	567.2443	567.2438	567.2448	9.946467	9.827283
16003	M407T10_	1.009719	-0.01395	-0.06592	0.949204	0.902584	DOWN	407.3048	407.3043	407.305	9.902008	9.79535
16004	M834T19_	1.005651	-0.00813	-0.0659	0.949304	0.902593	DOWN	834.2416	834.2406	834.2421	18.73167	18.71867
16005	M1087T10_	1.01443	0.020669	0.065969	0.949523	0.902614	UP	1086.67	1086.669	1086.672	9.82645	9.715683
16006	M643T10_	1.012073	0.017313	0.06558	0.949568	0.902618	UP	643.3303	643.3298	643.3312	9.683667	9.58735
16007	M159T10_	1.041836	0.059129	0.066172	0.949595	0.90262	UP	158.6517	158.6514	158.6517	9.8322	9.816167
16008	M1985T10_	1.019085	0.027275	0.065855	0.949672	0.902627	UP	1984.735	1984.733	1984.737	9.946467	9.859233
16009	M327T10_	1.005663	-0.00815	-0.06647	0.949686	0.902629	DOWN	327.014	327.0137	327.0151	9.830558	9.715683
16010	M404T11_	1.015799	-0.02262	-0.06505	0.949843	0.902643	DOWN	404.2031	404.2028	404.2077	10.90669	10.873
16011	M806T36	1.015569	-0.02229	-0.06483	0.949911	0.902649	DOWN	805.5717	805.5714	805.5722	35.74708	35.71867
16012	M727T10_	1.017356	-0.02482	-0.066	0.950068	0.902664	DOWN	726.7168	726.7136	726.7196	9.830558	9.715683
16013	M340T10_	1.010931	-0.01568	-0.06454	0.950178	0.902674	DOWN	339.7905	339.7902	339.7906	9.95825	9.853533
16014	M494T26	1.01575	0.022545	0.06558	0.950238	0.90268	UP	494.4043	494.4041	494.4047	26.36433	26.3335
16015	M464T20	1.011425	-0.01639	-0.06403	0.950647	0.902718	DOWN	464.4204	464.4201	464.4208	19.96908	19.94033
16016	M231T10_	1.008315	-0.01195	-0.06387	0.950693	0.902722	DOWN	231.3471	231.347	231.3472	9.933	9.827283
16017	M231T10_	1.012992	-0.01862	-0.06404	0.950716	0.902724	DOWN	230.5434	230.5433	230.5435	9.929783	9.827283
16018	M544T11	1.018985	-0.02713	-0.06369	0.950836	0.902735	DOWN	543.6571	543.6556	543.6574	10.57914	10.53485
16019	M150T32	1.009359	-0.01344	-0.06356	0.950907	0.902742	DOWN	150.0264	150.0263	150.0265	32.46017	32.45933
16020	M337T9_9	1.025597	-0.03646	-0.06341	0.951072	0.902757	DOWN	336.9022	336.9017	336.9028	8.765242	8.667783
16021	M490T30	1.011873	0.017029	0.064714	0.951169	0.902766	UP	490.3426	490.3421	490.3431	30.26667	30.25233
16022	M463T11_	1.014437	0.020679	0.06368	0.951215	0.90277	UP	463.2385	463.2381	463.2387	10.91982	10.86275
16023	M707T10_	1.007641	-0.01098	-0.06315	0.951316	0.902779	DOWN	706.9718	706.9709	706.972	9.81635	9.715683
16024	M348T10_	1.004463	0.006424	0.064058	0.951375	0.902785	UP	347.9941	347.994	347.9942	9.8397	9.73145
16025	M592T42_	1.018218	0.026047	0.064484	0.951482	0.902795	UP	592.3324	592.3323	592.3327	41.78283	41.69017
16026	M963T10_	1.020853	0.029775	0.062761	0.951527	0.902799	UP	962.7105	962.7096	962.7122	9.523383	9.416817
16027	M318T11_	1.011914	-0.01709	-0.06274	0.951597	0.902805	DOWN	317.7209	317.7207	317.7222	10.90522	10.879
16028	M309T10_	1.013194	0.01891	0.063465	0.951629	0.902808	UP	308.9026	308.9023	308.9074	9.615617	9.1503
16029	M426T9_1	1.020168	-0.02881	-0.06243	0.951753	0.90282	DOWN	425.7748	425.7744	425.775	8.85555	8.727567

16030	M528T9_5	1.022406	-0.03197	-0.06245	0.951806	0.902824	DOWN	528.0396	528.0367	528.041	9.253508	9.129317
16031	M610T10_	1.011198	0.017181	0.063045	0.95182	0.902826	UP	609.8732	609.8728	609.8742	9.921917	9.811217
16032	M408T11_	1.011052	-0.01586	-0.06269	0.951827	0.902826	DOWN	407.6056	407.6053	407.6073	10.91219	10.82972
16033	M795T11_	1.020124	0.028744	0.06243	0.951871	0.90283	UP	795.3462	795.334	795.3476	10.89355	10.86008
16034	M419T10_	1.019372	0.027681	0.06244	0.95188	0.902831	UP	419.2494	419.2441	419.2497	9.914217	9.811217
16035	M436T11_	1.017488	-0.02501	-0.06242	0.951927	0.902836	DOWN	435.6002	435.5984	435.6022	10.94603	10.90548
16036	M766T10_	1.020924	-0.02988	-0.06215	0.951984	0.902841	DOWN	766.4545	766.4529	766.457	9.946467	9.843367
16037	M442T12	1.012912	-0.01851	-0.0624	0.952024	0.902845	DOWN	442.3141	442.3134	442.3148	12.30289	12.2663
16038	M383T16_	1.012402	0.017782	0.062761	0.952102	0.902852	UP	383.11	383.1098	383.1102	15.95777	15.92052
16039	M406T10_	1.032655	-0.04636	-0.06214	0.952133	0.902855	DOWN	406.1455	406.1448	406.1458	9.967367	9.859233
16040	M546T39_	1.016317	0.023351	0.062431	0.952154	0.902857	UP	546.3268	546.3267	546.3273	38.64017	38.49617
16041	M286T7_2	1.020276	0.028959	0.062505	0.952175	0.902859	UP	286.2437	286.2435	286.2445	7.0112	6.954633
16042	M329T9_5	1.023362	-0.03332	-0.06181	0.952274	0.902868	DOWN	329.3582	329.3578	329.3586	8.924217	8.892117
16043	M479T9_6	1.01586	0.022701	0.062306	0.952276	0.902868	UP	479.1928	479.1924	479.1957	9.419733	9.04725
16044	M541T9_4	1.014118	-0.02023	-0.062	0.95237	0.902876	DOWN	540.6281	540.6278	540.6285	9.445092	9.355317
16045	M375T10_	1.022873	-0.03263	-0.0618	0.95237	0.902876	DOWN	374.9511	374.9509	374.9514	9.918833	9.843367
16046	M366T10_	1.022811	0.032539	0.061683	0.952506	0.902889	UP	366.1424	366.1421	366.1447	9.960817	9.843367
16047	M444T9_2	1.008649	-0.01242	-0.0627	0.952604	0.902898	DOWN	444.2697	444.2694	444.2698	9.300733	9.234417
16048	M474T11_	1.010672	0.015315	0.061363	0.95267	0.902904	UP	474.0359	474.0357	474.0361	10.89953	10.85018
16049	M184T9_6	1.019122	-0.02733	-0.06206	0.952685	0.902905	DOWN	183.9476	183.9474	183.9489	9.175017	9.111033
16050	M367T11_	1.01173	0.016824	0.061263	0.952687	0.902906	UP	366.6668	366.6666	366.6671	10.8926	10.879
16051	M401T10_	1.012137	-0.0174	-0.0613	0.952689	0.902906	DOWN	400.7382	400.7379	400.7388	9.909525	9.811217
16052	M251T10_	1.046424	-0.06547	-0.06128	0.952709	0.902908	DOWN	250.5322	250.5321	250.5325	9.951283	9.859233
16053	M1750T10	1.021765	0.031064	0.062203	0.952781	0.902914	UP	1749.682	1749.681	1749.684	9.859983	9.7634
16054	M316T7_2	1.014332	0.02053	0.061766	0.952871	0.902923	UP	316.2114	316.2114	316.2117	6.982017	6.954633
16055	M501T11_	1.013881	-0.01989	-0.06074	0.953071	0.902941	DOWN	501.2252	501.2232	501.2262	10.90765	10.85018
16056	M1842T10	1.032295	-0.04586	-0.06106	0.953137	0.902947	DOWN	1842.092	1842.088	1842.092	9.970617	9.967367
16057	M846T18	1.023927	0.034113	0.060573	0.953185	0.902951	UP	845.6479	845.6464	845.6485	18.32425	18.30517
16058	M422T11_	1.010232	-0.01469	-0.06062	0.953263	0.902959	DOWN	422.0835	422.0829	422.0838	10.90522	10.879
16059	M219T11_	1.008401	-0.01207	-0.06068	0.953288	0.902961	DOWN	219.45	219.4499	219.4502	10.892	10.879
16060	M446T30	1.013631	0.019533	0.061697	0.95334	0.902966	UP	446.3164	446.3162	446.3166	30.2315	30.2225
16061	M400T10_	1.027501	0.03914	0.060689	0.953383	0.90297	UP	400.0181	400.018	400.0189	9.964417	9.8914
16062	M1068T10	1.009597	-0.01378	-0.06032	0.953384	0.90297	DOWN	1067.583	1067.582	1067.584	9.637333	9.510117
16063	M175T10_	1.024703	0.035206	0.060654	0.953431	0.902974	UP	174.6907	174.6905	174.6907	9.967367	9.859233
16064	M403T42_	1.011581	0.016611	0.061125	0.95359	0.902989	UP	403.2323	403.232	403.2325	42.17925	42.04983

16065	M1570T10	1.018672	-0.02669	-0.0603	0.953697	0.902998	DOWN	1570.21	1570.206	1570.212	9.970617	9.859233
16066	M379T11_	1.009865	0.014162	0.059985	0.95371	0.903	UP	379.2308	379.2307	379.2317	10.892	10.879
16067	M327T10_	1.009361	-0.01344	-0.05993	0.95374	0.903002	DOWN	326.877	326.8769	326.8777	9.836042	9.715683
16068	M196T9_2	1.023596	0.033647	0.059622	0.953938	0.903021	UP	195.6387	195.6268	195.6398	9.329083	9.235933
16069	M420T10_	1.020081	-0.02868	-0.05949	0.954065	0.903032	DOWN	420.1346	420.1255	420.1351	9.963017	9.8445
16070	M581T11_	1.011224	0.016102	0.060302	0.954161	0.903041	UP	581.3907	581.3903	581.3913	11.08603	11.06723
16071	M207T9_3	1.028419	-0.04043	-0.05945	0.954166	0.903042	DOWN	206.7268	206.7264	206.7277	9.3494	9.18975
16072	M328T10_	1.00742	-0.01067	-0.05958	0.954228	0.903047	DOWN	327.6222	327.622	327.6224	9.985733	9.8753
16073	M367T10_	1.008033	-0.01154	-0.05971	0.954502	0.903072	DOWN	367.219	367.2188	367.2193	9.909492	9.79535
16074	M303T24	1.019343	0.02764	0.059511	0.954549	0.903077	UP	303.3003	303.2996	303.3003	24.18233	24.088
16075	M527T9_5	1.011756	0.016862	0.059237	0.954549	0.903077	UP	526.7839	526.7818	526.7847	9.214392	9.129317
16076	M240T10_	1.029909	0.042516	0.059257	0.954581	0.90308	UP	240.0921	240.0918	240.0922	9.622983	9.49445
16077	M626T10_	1.018177	0.025988	0.058801	0.954607	0.903082	UP	625.9948	625.9933	625.995	9.911767	9.79535
16078	M775T10_	1.019179	-0.02741	-0.05954	0.95461	0.903082	DOWN	775.498	775.4972	775.4991	9.960467	9.859233
16079	M328T21	1.010649	-0.01528	-0.05876	0.954622	0.903083	DOWN	328.2117	328.2116	328.2118	20.60667	20.591
16080	M454T10_	1.011951	0.017139	0.059222	0.954677	0.903088	UP	453.8448	453.8447	453.8451	10.16706	10.08517
16081	M357T10_	1.00523	0.007525	0.059297	0.954775	0.903097	UP	356.5143	356.5137	356.5146	9.825492	9.715683
16082	M244T16	1.008202	0.011784	0.058338	0.955	0.903118	UP	244.1905	244.1904	244.1906	16.46093	16.4323
16083	M280T10_	1.020634	-0.02946	-0.05886	0.955025	0.90312	DOWN	279.5461	279.5457	279.5462	9.967367	9.859233
16084	M252T9_1	1.013284	0.019039	0.058133	0.955151	0.903132	UP	251.5206	251.5173	251.5275	9.333667	9.160617
16085	M603T9_2	1.014661	-0.021	-0.05819	0.955206	0.903137	DOWN	603.3412	603.3411	603.3414	8.872733	8.802417
16086	M637T30	1.00902	-0.01295	-0.0577	0.955407	0.903155	DOWN	637.392	637.3914	637.3924	30.28083	30.25167
16087	M419T33	1.01639	-0.02345	-0.05814	0.955529	0.903166	DOWN	419.3131	419.313	419.3134	33.36917	33.35433
16088	M623T10_	1.007157	0.010289	0.058186	0.955581	0.903171	UP	623.4043	623.4039	623.4048	9.679933	9.5731
16089	M400T9_9	1.016553	-0.02369	-0.05806	0.955755	0.903187	DOWN	400.4785	400.478	400.479	9.37735	9.219483
16090	M270T10_	1.019705	0.028152	0.05817	0.955776	0.903189	UP	270.2252	270.225	270.2253	9.9847	9.8753
16091	M496T9_5	1.010086	-0.01448	-0.05715	0.955837	0.903195	DOWN	495.7469	495.7465	495.7475	9.273908	9.129317
16092	M550T10_	1.014687	0.021034	0.05708	0.955889	0.903199	UP	550.4048	550.4044	550.4051	10.44737	10.40807
16093	M336T10_	1.031241	0.044381	0.058382	0.955908	0.903201	UP	335.8397	335.839	335.841	9.816183	9.715683
16094	M225T11_	1.018528	0.026486	0.05675	0.956141	0.903222	UP	224.537	224.5367	224.537	10.8914	10.879
16095	M471T9_1	1.041026	-0.05801	-0.05751	0.95619	0.903227	DOWN	471.4279	471.4271	471.4282	9.457083	9.311883
16096	M219T11_	1.013245	0.018983	0.056713	0.956224	0.90323	UP	219.1923	219.1919	219.1924	10.90553	10.88747
16097	M386T11_	1.014331	0.020528	0.057306	0.956349	0.903241	UP	386.202	386.2017	386.2023	11.22813	11.2071
16098	M804T11_	1.016331	0.02337	0.05644	0.956486	0.903254	UP	803.5882	803.5873	803.589	11.24152	11.19848
16099	M200T9_1	1.019806	-0.02829	-0.05738	0.956502	0.903255	DOWN	200.0927	200.083	200.0935	9.227217	9.07145

16100	M228T9_4	1.035964	0.050975	0.056331	0.956723	0.903276	UP	227.8102	227.8098	227.8119	9.3522	9.1175
16101	M1421T10	1.013891	0.019902	-0.05699	0.956731	0.903276	UP	1421.175	1421.175	1421.177	9.964167	9.859233
16102	M265T10_	1.017106	-0.02447	-0.05639	0.956764	0.903279	DOWN	265.3465	265.3465	265.3466	9.76855	9.746783
16103	M243T9_9	1.011708	0.016793	0.056077	0.956767	0.90328	UP	243.1465	243.1463	243.1468	8.923883	8.832317
16104	M513T10_	1.007392	-0.01063	-0.05649	0.956813	0.903284	DOWN	512.988	512.9868	512.9884	10.4121	10.39197
16105	M370T9_6	1.012181	0.017468	0.055928	0.956935	0.903295	UP	370.1761	370.1758	370.179	9.455075	9.355317
16106	M484T12	1.018313	0.026181	0.055936	0.956962	0.903297	UP	484.2264	484.2256	484.2267	12.16481	12.14723
16107	M351T10_	1.069244	-0.09659	-0.05586	0.957075	0.903308	DOWN	351.2	351.1991	351.2073	9.568858	9.46855
16108	M567T37	1.016109	0.023055	0.055784	0.957112	0.903311	UP	567.4104	567.4088	567.4117	36.81367	36.741
16109	M262T10_	1.024725	0.035237	0.055483	0.95714	0.903314	UP	261.9633	261.963	261.9634	9.948825	9.843367
16110	M579T10_	1.008544	-0.01227	-0.05574	0.957184	0.903318	DOWN	579.2057	579.2052	579.206	9.972483	9.8753
16111	M421T9_1	1.014143	0.020261	0.055773	0.957229	0.903322	UP	420.5132	420.5128	420.514	9.294408	9.129317
16112	M523T9_5	1.020862	0.029788	0.05534	0.957233	0.903322	UP	523.2974	523.2893	523.2992	9.1587	8.936617
16113	M377T10_	1.014233	-0.02039	-0.0552	0.957389	0.903336	DOWN	377.2128	377.2124	377.2131	9.970617	9.859233
16114	M610T10_	1.005793	0.008334	0.054978	0.957513	0.903348	UP	609.5237	609.5231	609.5241	9.91875	9.827283
16115	M614T10_	1.012036	0.01726	0.054994	0.957517	0.903348	UP	614.1569	614.1564	614.1588	9.958617	9.843367
16116	M287T41_	1.022035	0.031444	0.055871	0.957528	0.903349	UP	287.1487	287.1485	287.1488	41.19392	41.12917
16117	M460T40_	1.008627	0.012393	0.054905	0.957604	0.903356	UP	460.2901	460.2901	460.2904	40.42417	40.381
16118	M480T10_	1.017442	0.024946	0.055008	0.95763	0.903358	UP	479.8985	479.8981	479.8988	9.968992	9.859233
16119	M1667T10	1.021663	0.03092	0.054901	0.957632	0.903359	UP	1666.564	1666.563	1666.566	9.977442	9.859233
16120	M732T10_	1.020576	-0.02938	-0.05468	0.957908	0.903384	DOWN	732.2267	732.226	732.2273	9.967367	9.843367
16121	M445T10_	1.021968	0.03135	0.054356	0.95802	0.903394	UP	445.4059	445.405	445.4063	9.979325	9.859233
16122	M249T10_	1.024501	0.034922	0.054775	0.958035	0.903395	UP	249.281	249.2775	249.281	9.907917	9.65225
16123	M462T30	1.038686	-0.05476	-0.05428	0.958044	0.903396	DOWN	462.2902	462.2895	462.2908	30.22342	30.18017
16124	M361T11_	1.013029	0.018675	0.054646	0.958113	0.903402	UP	360.5656	360.5655	360.5666	10.89875	10.879
16125	M163T10_	1.012084	-0.01733	-0.05396	0.958293	0.903419	DOWN	163.181	163.1808	163.1811	9.970617	9.859233
16126	M201T42	1.007877	0.01132	0.05387	0.958396	0.903428	UP	201.1119	201.1118	201.112	42.208	42.04983
16127	M434T9_1	1.019375	-0.02768	-0.05401	0.958398	0.903428	DOWN	434.2835	434.2826	434.2843	8.963	8.909
16128	M417T29	1.075386	0.104854	-0.05401	0.958408	0.903429	UP	416.6205	416.62	416.621	28.9775	28.908
16129	M198T10_	1.009547	0.013708	0.053919	0.958418	0.90343	UP	197.8299	197.8297	197.83	9.972917	9.859233
16130	M413T11_	1.016645	0.023816	0.054348	0.958445	0.903433	UP	412.5828	412.5814	412.5841	10.93018	10.8926
16131	M369T11_	1.047632	-0.06713	-0.05373	0.95847	0.903435	DOWN	369.209	369.2022	369.2123	10.95643	10.873
16132	M812T34	1.020613	-0.02944	-0.05369	0.958504	0.903438	DOWN	811.5613	811.5609	811.5614	34.15592	34.13367
16133	M542T28_	1.022871	0.032624	0.053852	0.958558	0.903443	UP	542.3243	542.3239	542.3248	28.24317	28.21417
16134	M520T10_	1.012311	-0.01765	-0.05361	0.958591	0.903446	DOWN	519.9331	519.9328	519.9333	9.9847	9.8753

16135	M843T10_	1.002906	-0.00419	-0.05425	0.958742	0.90346	DOWN	842.7902	842.7898	842.7906	9.970617	9.8753
16136	M508T40_	1.004065	0.005853	0.054298	0.958788	0.903464	UP	508.2747	508.2745	508.2751	40.15083	40.02133
16137	M538T10_	1.042221	-0.05966	-0.05332	0.958844	0.903469	DOWN	537.9735	537.9732	537.9742	9.967367	9.8914
16138	M343T16	1.007853	0.011285	0.05343	0.958925	0.903476	UP	343.1746	343.1745	343.1747	15.61598	15.59217
16139	M455T9_4	1.023863	-0.03402	-0.05309	0.958974	0.903481	DOWN	454.6108	454.6105	454.6182	9.382183	9.314683
16140	M524T9_8	1.010113	0.014516	0.053138	0.958984	0.903482	UP	524.3692	524.3668	524.3697	9.255333	9.11405
16141	M607T10_	1.022582	-0.03222	-0.05319	0.958985	0.903482	DOWN	606.5629	606.5624	606.5635	9.956242	9.827283
16142	M521T30	1.02464	-0.03512	-0.05329	0.958986	0.903482	DOWN	521.3418	521.3407	521.3425	30.45133	30.42383
16143	M454T39_	1.020177	-0.02882	-0.05446	0.959012	0.903484	DOWN	454.2645	454.2639	454.2646	38.66883	38.6545
16144	M404T9_7	1.012276	-0.0176	-0.05318	0.959014	0.903484	DOWN	404.3692	404.369	404.3695	9.4498	9.355317
16145	M317T10_	1.008947	-0.01285	-0.05301	0.959099	0.903492	DOWN	316.5961	316.5959	316.5968	9.972917	9.859233
16146	M593T11_	1.015524	0.022224	0.053809	0.959106	0.903493	UP	593.3872	593.3869	593.3883	10.53828	10.45613
16147	M683T10_	1.015135	-0.02167	-0.05266	0.959299	0.90351	DOWN	682.9382	682.9377	682.9392	9.830733	9.715683
16148	M191T11_	1.011303	-0.01621	-0.05267	0.959299	0.90351	DOWN	191.0215	191.0215	191.0218	10.90553	10.87765
16149	M450T9_1	1.024041	-0.03427	-0.05265	0.959326	0.903513	DOWN	450.4886	450.4866	450.4897	9.442208	9.333267
16150	M319T10_	1.010803	0.015502	0.052858	0.95935	0.903515	UP	319.2011	319.2008	319.2022	9.8207	9.715683
16151	M358T9_4	1.028034	-0.03989	-0.05265	0.959451	0.903524	DOWN	357.9161	357.916	357.9256	9.488133	9.046783
16152	M301T11_	1.006987	0.010045	0.052516	0.959544	0.903532	UP	301.4652	301.4651	301.4653	10.892	10.879
16153	M464T44_	1.011469	0.016452	0.053007	0.959605	0.903538	UP	464.2849	464.2847	464.2851	44.466	44.26467
16154	M222T10_	1.009107	0.013079	0.052086	0.959773	0.903553	UP	221.6026	221.6025	221.6027	9.888342	9.79535
16155	M1491T10	1.019172	-0.0274	-0.05203	0.959778	0.903554	DOWN	1491.195	1491.194	1491.196	9.900767	9.79535
16156	M357T11_	1.014308	0.020496	0.051963	0.959884	0.903563	UP	357.2151	357.2144	357.2167	10.90785	10.873
16157	M292T10_	1.017608	-0.02518	-0.05228	0.959889	0.903564	DOWN	291.605	291.6047	291.6052	9.967367	9.8753
16158	M719T36	1.009934	0.014261	0.05198	0.959913	0.903566	UP	718.5222	718.5215	718.5226	36.1115	36.1075
16159	M328T9_3	1.020526	-0.02931	-0.05178	0.959978	0.903572	DOWN	328.1995	328.1991	328.1998	9.20585	9.048117
16160	M288T23_	1.024087	0.034338	0.0518	0.960042	0.903578	UP	288.4843	288.4775	288.4913	22.91458	22.84233
16161	M252T11_	1.012803	0.018354	0.051932	0.960071	0.90358	UP	252.0835	252.0832	252.0837	10.8926	10.879
16162	M371T11_	1.010817	-0.01552	-0.05146	0.960294	0.903601	DOWN	370.9443	370.9441	370.9452	10.90802	10.87487
16163	M299T22_	1.014235	-0.02039	-0.0512	0.96045	0.903615	DOWN	299.3057	299.3051	299.3059	21.95183	21.93
16164	M850T10_	1.016411	0.023484	0.051228	0.960537	0.903623	UP	849.7741	849.7738	849.7743	9.914217	9.79535
16165	M574T10_	1.006141	-0.00883	-0.05091	0.960714	0.903639	DOWN	573.8828	573.8821	573.8832	9.92825	9.822117
16166	M531T10_	1.019789	-0.02827	-0.05112	0.960767	0.903643	DOWN	531.4757	531.4752	531.4762	9.975217	9.8753
16167	M1304T10	1.007176	0.010316	0.050606	0.960881	0.903654	UP	1303.746	1303.745	1303.747	10.15733	10.07528
16168	M775T10_	1.00032	-0.00046	-0.0509	0.960938	0.903659	DOWN	775.4054	775.4014	775.4111	9.82845	9.715683
16169	M377T11_	1.008722	0.012529	0.050337	0.96109	0.903673	UP	376.6159	376.6149	376.6172	10.91977	10.89125

16170	M749T30	1.011816	-0.01695	-0.05069	0.961097	0.903673	DOWN	748.542	748.5412	748.5422	30.2375	30.2225
16171	M441T11_	1.009663	-0.01387	-0.05032	0.961102	0.903674	DOWN	440.997	440.997	440.9975	10.90659	10.8646
16172	M314T10_	1.012049	-0.01728	-0.05023	0.961202	0.903683	DOWN	313.7781	313.7779	313.7783	9.956417	9.843367
16173	M1824T10	1.01273	0.01825	0.050058	0.961312	0.903693	UP	1824.305	1824.304	1824.309	9.977442	9.859233
16174	M286T10_	1.00645	-0.00928	-0.0504	0.961327	0.903694	DOWN	286.0979	286.0978	286.0979	9.945775	9.843367
16175	M1039T22	1.012166	0.017446	0.050098	0.961419	0.903703	UP	1038.716	1038.714	1038.716	22.2625	22.24833
16176	M1867T10	1.005057	0.007278	0.050086	0.961456	0.903706	UP	1866.953	1866.951	1866.96	9.828367	9.715683
16177	M644T30	1.012905	0.018499	0.04994	0.961626	0.903721	UP	644.4658	644.4647	644.4669	30.2405	30.19383
16178	M655T10_	1.004436	0.006386	0.050752	0.961671	0.903725	UP	654.8282	654.8279	654.8286	9.823575	9.715683
16179	M805T36	1.012313	-0.01766	-0.04933	0.961863	0.903743	DOWN	804.5682	804.5678	804.5687	35.74675	35.71983
16180	M1216T10	1.015794	-0.02261	-0.05032	0.961994	0.903755	DOWN	1216.266	1216.265	1216.268	9.983467	9.9009
16181	M357T10_	1.019874	-0.02839	-0.04915	0.962008	0.903756	DOWN	357.1547	357.1545	357.1549	9.810767	9.715683
16182	M431T9_2	1.008312	0.011942	0.049059	0.962079	0.903762	UP	430.7677	430.7671	430.7688	9.25985	9.129317
16183	M288T10_	1.02519	0.035892	0.049758	0.962158	0.903769	UP	288.22	288.2096	288.2202	9.870333	9.747533
16184	M368T10_	1.01913	0.027338	0.048869	0.962326	0.903785	UP	367.917	367.9167	367.9177	9.958617	9.843367
16185	M266T10_	1.010578	0.015181	0.048741	0.962344	0.903786	UP	266.2814	266.2812	266.2816	9.958617	9.843367
16186	M340T11_	1.009383	-0.01347	-0.04879	0.962473	0.903798	DOWN	339.8164	339.8162	339.8211	10.9212	10.879
16187	M565T12	1.00867	0.012454	0.048554	0.962509	0.903801	UP	565.357	565.3565	565.3577	11.95388	11.92938
16188	M580T10_	1.008102	-0.01164	-0.04887	0.962552	0.903805	DOWN	580.4069	580.4064	580.4076	10.04697	9.955733
16189	M262T10_	1.012759	-0.01829	-0.04839	0.962591	0.903809	DOWN	261.6047	261.6044	261.6048	9.944392	9.827283
16190	M370T9_3	1.012162	0.01744	0.048448	0.962594	0.903809	UP	369.5915	369.5903	369.5917	9.160933	9.126783
16191	M661T30	1.010022	-0.01439	-0.04867	0.962622	0.903811	DOWN	661.4927	661.4921	661.4929	30.26617	30.2515
16192	M546T11	1.006561	0.009434	0.048951	0.962757	0.903823	UP	546.4017	546.4012	546.4027	10.54836	10.50403
16193	M238T9_2	1.013471	-0.0193	-0.0482	0.962867	0.903833	DOWN	237.8758	237.8756	237.8761	9.326325	9.12675
16194	M432T21_	1.014956	-0.02142	-0.04837	0.962873	0.903834	DOWN	432.0128	432.0123	432.0133	21.40767	21.34183
16195	M365T11_	1.005196	0.007477	0.048213	0.962914	0.903838	UP	364.7333	364.733	364.7342	10.91371	10.879
16196	M363T11_	1.043367	-0.06125	-0.04796	0.962924	0.903839	DOWN	363.1992	363.1919	363.2054	11.24214	11.17827
16197	M189T11_	1.013964	-0.02001	-0.04793	0.962947	0.903841	DOWN	188.7886	188.7885	188.7888	10.90537	10.85018
16198	M541T11_	1.007302	-0.0105	-0.04791	0.962997	0.903845	DOWN	540.7511	540.7507	540.7514	10.892	10.8646
16199	M326T10_	1.031832	-0.04521	-0.04782	0.963034	0.903848	DOWN	326.1941	326.1933	326.1948	9.796408	9.66805
16200	M617T10_	1.00749	-0.01077	-0.04806	0.963076	0.903852	DOWN	616.9585	616.9581	616.9589	10.39613	10.34372
16201	M538T13_	1.010277	0.014751	0.047858	0.963077	0.903852	UP	538.3845	538.3844	538.3847	13.08369	13.06962
16202	M475T9_6	1.017572	-0.02513	-0.0477	0.963125	0.903857	DOWN	475.02	475.0164	475.0285	9.174967	9.12675
16203	M554T10_	1.016424	0.023502	0.048511	0.963192	0.903863	UP	554.457	554.4563	554.4577	9.938142	9.827283
16204	M619T34	1.009453	0.013574	0.048485	0.963192	0.903863	UP	619.4029	619.4025	619.4032	33.60033	33.58633

16205	M885T10_	1.02871	-0.04084	-0.04765	0.963204	0.903864	DOWN	885.2436	885.2434	885.2442	9.9677	9.90755
16206	M624T10_	1.012891	0.018479	0.048047	0.963214	0.903865	UP	623.8451	623.8447	623.8486	9.817017	9.699733
16207	M389T10_	1.006532	0.009393	0.047985	0.963225	0.903866	UP	389.0232	389.0229	389.0235	9.972917	9.859233
16208	M202T9_6	1.013334	-0.01911	-0.04758	0.963232	0.903866	DOWN	201.8468	201.8463	201.8474	9.292008	9.18975
16209	M727T10_	1.03956	0.055974	0.047772	0.9633	0.903872	UP	726.8188	726.8182	726.8191	9.816242	9.7124
16210	M836T22_	1.008307	0.011935	0.047215	0.963612	0.903901	UP	835.5823	835.582	835.5828	21.538	21.49417
16211	M705T10_	1.005113	-0.00736	-0.04725	0.963622	0.903902	DOWN	704.9159	704.9152	704.9165	10.27258	10.19852
16212	M851T11_	1.007491	-0.01077	-0.04709	0.963741	0.903912	DOWN	851.4952	851.4945	851.4958	10.892	10.879
16213	M620T45	1.0079	0.011352	0.04816	0.963868	0.903924	UP	620.3641	620.3638	620.3644	44.847	44.75333
16214	M397T37_	1.012784	-0.01833	-0.04674	0.963873	0.903924	DOWN	397.331	397.3308	397.3312	37.46042	37.44517
16215	M640T9_2	1.023751	-0.03386	-0.04701	0.963896	0.903926	DOWN	639.9284	639.9277	639.9287	9.46855	9.416817
16216	M286T9_1	1.01204	0.017266	0.047026	0.963976	0.903933	UP	285.7424	285.7423	285.7425	8.719975	8.623117
16217	M299T11_	1.006782	-0.00975	-0.0466	0.964103	0.903945	DOWN	298.7084	298.7083	298.7085	11.48993	11.47298
16218	M1871T10	1.004787	-0.00689	-0.04672	0.964113	0.903946	DOWN	1871.303	1871.302	1871.305	9.830283	9.715683
16219	M343T10_	1.00981	-0.01408	-0.04647	0.96422	0.903955	DOWN	342.5292	342.5289	342.5294	9.802117	9.715683
16220	M353T10_	1.007191	0.010337	0.047319	0.964239	0.903957	UP	352.6273	352.6271	352.6275	9.825767	9.699733
16221	M566T11_	1.016958	0.02426	0.046156	0.964317	0.903964	UP	565.9939	565.9923	565.9945	10.69022	10.63083
16222	M1558T11	1.015676	-0.02244	-0.04609	0.964385	0.90397	DOWN	1557.64	1557.638	1557.643	10.87504	10.82972
16223	M403T10_	1.018429	0.026346	0.045881	0.964564	0.903986	UP	403.4766	403.4761	403.4768	9.95825	9.914217
16224	M1281T10	1.013823	-0.01981	-0.04624	0.964727	0.904001	DOWN	1280.964	1280.96	1280.966	9.77345	9.65225
16225	M356T9_2	1.014662	0.021	0.04543	0.964905	0.904017	UP	355.8461	355.846	355.8463	9.252858	9.175017
16226	M643T10_	1.013494	-0.01934	-0.04524	0.96514	0.904038	DOWN	642.5782	642.577	642.5815	9.842	9.715683
16227	M642T11	1.011968	-0.01716	-0.04506	0.965168	0.904041	DOWN	642.163	642.1622	642.1632	10.8926	10.8646
16228	M425T11_	1.006709	-0.00965	-0.04497	0.965242	0.904047	DOWN	425.3393	425.3391	425.3395	10.892	10.879
16229	M895T10_	1.01542	0.022077	0.045293	0.965273	0.90405	UP	894.785	894.7842	894.786	9.948875	9.843367
16230	M414T9_1	1.017369	0.024843	0.04494	0.965352	0.904057	UP	413.5974	413.5969	413.5999	9.189092	9.110833
16231	M393T9_4	1.01045	-0.015	-0.04513	0.9654	0.904062	DOWN	392.8623	392.8617	392.8638	9.29345	9.09495
16232	M465T10_	1.002247	0.003238	0.045582	0.965468	0.904068	UP	465.2696	465.2694	465.2697	9.820192	9.683817
16233	M324T11_	1.01777	0.025411	0.044702	0.965504	0.904071	UP	324.217	324.2163	324.2177	10.90785	10.8937
16234	M434T11_	1.01115	0.015997	0.044851	0.965508	0.904071	UP	434.2562	434.2559	434.2566	10.91813	10.8214
16235	M208T10_	1.010068	0.014452	0.044627	0.965515	0.904072	UP	207.6691	207.6689	207.6691	9.968992	9.859233
16236	M350T11_	1.009082	-0.01304	-0.04449	0.965607	0.90408	DOWN	349.7734	349.7732	349.7742	10.91813	10.89125
16237	M452T10_	1.009798	0.014067	0.04497	0.965681	0.904087	UP	452.2542	452.2538	452.2596	9.858675	9.747533
16238	M767T34	1.017988	0.025721	0.044471	0.965743	0.904092	UP	766.5315	766.5311	766.5318	34.22017	34.17983
16239	M376T15_	1.023843	0.033995	0.044577	0.965747	0.904093	UP	376.2116	376.2103	376.2118	14.53128	14.44353



16240	M423T11_	1.006653	0.009566	0.044401	0.96581	0.904098	UP	423.1616	423.1613	423.1683	10.90553	10.879
16241	M200T10_	1.013899	0.019914	0.044421	0.965917	0.904108	UP	199.5314	199.5313	199.5314	9.858833	9.774967
16242	M215T11_	1.00785	-0.01128	-0.04496	0.965937	0.90411	DOWN	214.7699	214.7698	214.7706	10.91082	10.879
16243	M259T9_3	1.011795	-0.01692	-0.04473	0.965965	0.904112	DOWN	259.2013	259.2012	259.2015	8.795142	8.701267
16244	M328T10_	1.011281	-0.01618	-0.04401	0.965972	0.904113	DOWN	327.5306	327.5303	327.5316	9.82645	9.699733
16245	M315T41_	1.010647	0.01528	0.044884	0.96603	0.904118	UP	315.18	315.1799	315.1802	40.93783	40.6975
16246	M631T10_	1.018895	0.027005	0.044029	0.966079	0.904123	UP	631.2674	631.2671	631.2677	9.91765	9.811217
16247	M321T31	1.014644	-0.02097	-0.04434	0.966148	0.904129	DOWN	321.2395	321.2391	321.2398	31.25592	31.234
16248	M164T9	1.010593	0.015202	0.043809	0.96624	0.904137	UP	164.1886	164.1883	164.1891	9.344258	9.234417
16249	M902T10_	1.011454	-0.01643	-0.04475	0.966302	0.904143	DOWN	901.7951	901.7936	901.7959	9.972483	9.859233
16250	M911T10_	1.015095	0.021615	0.043734	0.96639	0.90415	UP	911.1817	911.18	911.1824	9.979342	9.8753
16251	M697T18	1.022196	-0.03167	-0.04319	0.966659	0.904175	DOWN	696.7827	696.782	696.7835	18.26217	18.23833
16252	M328T11_	1.006445	0.009268	0.043606	0.966798	0.904187	UP	328.4752	328.4742	328.4778	10.94208	10.91977
16253	M626T16	1.007546	0.010845	0.043067	0.966968	0.904202	UP	626.3021	626.301	626.3029	16.34885	16.31547
16254	M404T44_	1.006365	-0.00915	-0.04336	0.967059	0.90421	DOWN	404.2639	404.2638	404.264	44.24317	44.164
16255	M608T36	1.004226	-0.00608	-0.04383	0.967063	0.904211	DOWN	608.3639	608.3638	608.3644	36.064	36.04133
16256	M201T10_	1.009534	0.013689	0.042461	0.967173	0.904221	UP	201.3798	201.3796	201.3798	9.967367	9.859233
16257	M432T39	1.005501	0.007915	0.043616	0.967252	0.904228	UP	432.2226	432.2225	432.2228	39.12208	39.04283
16258	M224T10_	1.012875	0.018456	0.042234	0.967397	0.904241	UP	223.8581	223.8578	223.8582	9.979342	9.8753
16259	M412T11_	1.008618	-0.01238	-0.04236	0.9674	0.904241	DOWN	411.6208	411.6186	411.6212	10.95602	10.8926
16260	M343T10_	1.006992	-0.01005	-0.04195	0.967568	0.904256	DOWN	342.5935	342.5887	342.5941	9.960967	9.78305
16261	M187T9_7	1.019911	0.028443	0.042565	0.967586	0.904258	UP	187.4622	187.462	187.463	9.279417	9.132267
16262	M722T10_	1.005067	-0.00729	-0.04226	0.967645	0.904263	DOWN	721.9069	721.9054	721.9077	9.8397	9.699733
16263	M650T10_	1.005153	0.007415	0.041846	0.967656	0.904264	UP	650.2075	650.2069	650.2085	9.858258	9.73145
16264	M431T10_	1.010729	-0.0154	-0.04176	0.967753	0.904272	DOWN	431.3577	431.3566	431.3654	9.784792	9.65225
16265	M734T11_	1.010607	-0.01522	-0.0417	0.967789	0.904276	DOWN	734.3607	734.3584	734.3612	10.90657	10.8646
16266	M532T41_	1.005894	0.008479	0.041908	0.967835	0.90428	UP	532.3114	532.3111	532.3117	40.81267	40.55383
16267	M407T10_	1.018172	0.025981	0.041841	0.967853	0.904281	UP	406.6089	406.6082	406.6097	9.958617	9.843367
16268	M617T10_	1.010673	0.015316	0.041844	0.967856	0.904282	UP	616.5032	616.5026	616.5041	9.965892	9.843367
16269	M1088T10	1.007378	0.010606	0.04165	0.967992	0.904294	UP	1088.031	1088.03	1088.033	9.983433	9.8753
16270	M401T11_	1.02003	-0.02861	-0.0413	0.968072	0.904301	DOWN	400.9257	400.9181	400.9288	10.92103	10.87487
16271	M594T30	1.012628	-0.0181	-0.04157	0.96815	0.904308	DOWN	594.1607	594.1603	594.1614	29.62358	29.569
16272	M483T10_	1.006796	0.009771	0.041029	0.968296	0.904321	UP	482.9807	482.9797	482.9811	9.972917	9.859233
16273	M330T9_1	1.025181	0.035879	0.041527	0.968428	0.904333	UP	329.5015	329.4969	329.5017	9.008417	8.90715
16274	M518T11_	1.010812	-0.01551	-0.04078	0.968474	0.904337	DOWN	518.3486	518.3478	518.3497	10.90519	10.87765

16275	M243T45	1.005404	0.007775	0.041314	0.968519	0.904341	UP	243.1587	243.1587	243.1588	44.64575	44.40833
16276	M677T11_	1.007049	-0.01013	-0.04074	0.968527	0.904342	DOWN	677.4782	677.4779	677.4785	10.89193	10.8646
16277	M782T10_	1.007909	0.011366	0.040848	0.968588	0.904347	UP	782.1767	782.1742	782.1794	9.917208	9.827283
16278	M377T10_	1.015447	0.022115	0.040449	0.968758	0.904362	UP	376.899	376.895	376.8997	9.85925	9.636483
16279	M1157T11	1.008883	-0.01276	-0.04145	0.968781	0.904364	DOWN	1156.842	1156.84	1156.843	10.51754	10.48782
16280	M412T11_	1.008031	-0.01154	-0.04092	0.968828	0.904369	DOWN	411.6775	411.6766	411.678	10.90519	10.879
16281	M1108T10	1.012486	0.017902	0.040127	0.968998	0.904384	UP	1107.724	1107.723	1107.724	9.802992	9.699733
16282	M852T10_	1.010407	-0.01494	-0.04045	0.969037	0.904387	DOWN	851.9967	851.9958	851.9968	10.3736	10.36838
16283	M911T10_	1.009912	-0.01423	-0.04013	0.969083	0.904391	DOWN	911.361	911.3604	911.3617	9.967517	9.859233
16284	M612T10_	1.016878	0.024146	0.03979	0.969236	0.904405	UP	612.4785	612.4779	612.4809	9.91765	9.811217
16285	M250T9_5	1.005713	0.008218	0.040182	0.969246	0.904406	UP	250.1604	250.1603	250.1605	8.749758	8.63795
16286	M310T10_	1.014028	0.020097	0.040638	0.969252	0.904406	UP	310.2305	310.2304	310.2306	10.16231	10.08517
16287	M322T9_3	1.016958	-0.02426	-0.04003	0.969316	0.904412	DOWN	321.7424	321.7418	321.7463	9.174967	9.110833
16288	M230T11_	1.012316	0.01766	0.039522	0.969452	0.904424	UP	230.0621	230.0617	230.063	10.8926	10.88995
16289	M378T10_	1.015061	-0.02157	-0.03949	0.969553	0.904433	DOWN	378.3124	378.3121	378.3145	9.887133	9.779267
16290	M507T11_	1.008317	-0.01195	-0.03936	0.969594	0.904437	DOWN	507.2326	507.2316	507.2333	10.91371	10.879
16291	M756T10_	1.008636	-0.01241	-0.03903	0.969834	0.904458	DOWN	755.8241	755.8224	755.8246	9.960817	9.859233
16292	M331T10_	1.007587	-0.0109	-0.03901	0.969864	0.904461	DOWN	331.0267	331.0255	331.0271	9.967367	9.859233
16293	M486T10_	1.007994	-0.01149	-0.03881	0.970105	0.904482	DOWN	485.7794	485.7788	485.7799	9.972917	9.859233
16294	M231T10_	1.013037	-0.01869	-0.03877	0.970161	0.904487	DOWN	231.4047	231.4044	231.4048	9.979342	9.8753
16295	M470T10_	1.012289	-0.01762	-0.03871	0.970161	0.904487	DOWN	470.1898	470.1893	470.1902	9.94785	9.843367
16296	M544T31	1.019878	-0.0284	-0.0385	0.970232	0.904494	DOWN	544.3395	544.3392	544.3397	30.52367	30.50817
16297	M480T40_	1.009251	-0.01329	-0.03924	0.970249	0.904495	DOWN	480.2798	480.2796	480.2801	40.43867	40.36667
16298	M313T43_	1.007719	0.011094	0.038879	0.9703	0.9045	UP	313.2006	313.2005	313.2011	42.60367	42.40917
16299	M570T9_2	1.016797	-0.02403	-0.03841	0.970313	0.904501	DOWN	570.4591	570.4563	570.4683	9.198483	9.01555
16300	M196T9_5	1.011304	-0.01622	-0.03841	0.970341	0.904503	DOWN	195.9923	195.9922	195.9925	9.390175	9.235933
16301	M403T11_	1.025631	0.036512	0.038392	0.970387	0.904508	UP	403.4082	403.4077	403.4089	10.88943	10.8646
16302	M354T11_	1.005807	-0.00835	-0.03838	0.97043	0.904511	DOWN	354.0892	354.089	354.0894	10.892	10.879
16303	M1954T10	1.007774	0.011172	0.038188	0.97054	0.904521	UP	1953.713	1953.712	1953.714	9.828483	9.699733
16304	M455T10_	1.013412	-0.01922	-0.03839	0.970756	0.90454	DOWN	455.1629	455.1628	455.1631	9.972917	9.885167
16305	M1853T10	1.008288	0.011907	0.038217	0.970774	0.904542	UP	1853.349	1853.346	1853.356	9.8214	9.715683
16306	M169T10_	1.012208	0.017506	0.037664	0.97089	0.904552	UP	168.919	168.9189	168.9191	9.8374	9.715683
16307	M454T11_	1.00789	-0.01134	-0.03767	0.970897	0.904553	DOWN	453.7712	453.771	453.7727	10.90765	10.8646
16308	M515T11_	1.005432	-0.00781	-0.0378	0.97092	0.904555	DOWN	514.8309	514.8306	514.8313	10.892	10.879
16309	M402T11_	1.019053	0.027229	0.037666	0.971055	0.904567	UP	401.5062	401.5029	401.5162	10.91524	10.83417

16310	M267T9_3	1.028066	0.039933	0.03739	0.97109	0.90457	UP	267.0166	267.0156	267.0171	9.29345	9.111033
16311	M357T11_	1.007452	-0.01071	-0.03741	0.971092	0.90457	DOWN	357.2818	357.2809	357.283	10.90765	10.8914
16312	M441T10_	1.004277	0.006157	0.037588	0.971152	0.904576	UP	440.8459	440.8451	440.8467	9.816317	9.699733
16313	M262T10_	1.012862	0.018438	0.037219	0.971237	0.904583	UP	262.1615	262.1612	262.1616	9.95385	9.843367
16314	M427T10_	1.009191	-0.0132	-0.03711	0.971327	0.904591	DOWN	427.2004	427.1997	427.2022	9.967742	9.9009
16315	M236T10_	1.010124	-0.01453	-0.03708	0.971328	0.904591	DOWN	235.7542	235.7447	235.7545	9.95385	9.827283
16316	M704T10_	1.008865	-0.01273	-0.03743	0.971389	0.904597	DOWN	704.219	704.2187	704.2209	9.830283	9.699733
16317	M267T10_	1.007781	0.011183	0.037134	0.971468	0.904604	UP	266.5615	266.5612	266.5617	9.958617	9.859233
16318	M155T10_	1.008116	-0.01166	-0.03705	0.971481	0.904605	DOWN	154.7462	154.746	154.7516	9.903017	9.811217
16319	M403T10_	1.006362	-0.00915	-0.03669	0.971641	0.904619	DOWN	402.7535	402.7534	402.7537	9.967533	9.8914
16320	M386T10_	1.017284	-0.02472	-0.03703	0.971808	0.904634	DOWN	385.742	385.7419	385.742	9.970617	9.951283
16321	M571T11_	1.012494	0.017913	0.036431	0.971843	0.904637	UP	570.8801	570.8795	570.8812	10.86253	10.83417
16322	M1500T10	1.012867	0.018444	0.036462	0.971882	0.90464	UP	1500.127	1500.126	1500.127	9.971292	9.859233
16323	M489T11_	1.008792	0.012629	0.036335	0.971909	0.904643	UP	488.7837	488.783	488.7842	10.92828	10.89125
16324	M1385T10	1.006805	0.009784	0.036628	0.971929	0.904645	UP	1385.479	1385.479	1385.48	9.800692	9.715683
16325	M537T10_	1.028288	0.040245	0.036303	0.97193	0.904645	UP	537.2682	537.2679	537.2686	9.903742	9.822117
16326	M414T9_5	1.022722	-0.03241	-0.03625	0.971978	0.904649	DOWN	413.7769	413.775	413.7776	9.387158	9.235933
16327	M413T9_4	1.012625	0.0181	0.036425	0.972006	0.904651	UP	412.7262	412.7239	412.7291	9.2723	9.158833
16328	M508T11_	1.007048	-0.01013	-0.03613	0.972077	0.904658	DOWN	508.0509	508.0507	508.0518	10.91264	10.873
16329	M317T9_6	1.006188	0.0089	0.036069	0.972295	0.904677	UP	317.2153	317.2151	317.2155	8.878875	8.803967
16330	M499T10	1.010381	-0.0149	-0.03572	0.972448	0.904691	DOWN	499.297	499.2968	499.2974	9.772833	9.732983
16331	M438T41_	1.009674	0.01389	0.036546	0.972454	0.904691	UP	438.2693	438.2693	438.2694	40.74067	40.68117
16332	M798T11	1.008721	-0.01253	-0.0356	0.972507	0.904696	DOWN	797.6616	797.661	797.662	10.87737	10.84487
16333	M626T9_4	1.009418	-0.01352	-0.03593	0.972621	0.904706	DOWN	626.3779	626.3764	626.3791	8.91115	8.8486
16334	M553T10_	1.009057	0.013008	0.036053	0.972672	0.90471	UP	552.7154	552.7151	552.7162	9.932983	9.827283
16335	M210T10_	1.002213	-0.00319	-0.03568	0.972673	0.904711	DOWN	210.1489	210.1487	210.1489	9.951283	9.843367
16336	M298T10_	1.008417	-0.01209	-0.03524	0.972756	0.904718	DOWN	297.5048	297.5045	297.505	9.948875	9.843367
16337	M347T10_	1.013954	-0.01999	-0.03549	0.972759	0.904718	DOWN	347.4283	347.428	347.4284	9.8063	9.715683
16338	M485T10_	1.005956	-0.00857	-0.03554	0.972762	0.904718	DOWN	485.0628	485.0622	485.0632	9.968992	9.859233
16339	M177T9_2	1.011947	0.017134	0.035261	0.972783	0.90472	UP	176.6538	176.6533	176.6542	9.148342	9.111033
16340	M538T9_3	1.015156	0.021702	0.035179	0.972837	0.904725	UP	538.0938	538.0937	538.0941	9.443225	9.370583
16341	M349T10_	1.003568	0.005138	0.035019	0.972926	0.904733	UP	349.2149	349.2147	349.215	9.840717	9.699733
16342	M201T10_	1.011066	0.015877	0.035083	0.97293	0.904733	UP	200.8067	200.8065	200.8068	9.967367	9.859233
16343	M318T9_1	1.007874	0.011315	0.034952	0.973015	0.904741	UP	317.5026	317.5025	317.5032	9.311883	9.234417
16344	M466T23_	1.014372	-0.02059	-0.03489	0.973027	0.904742	DOWN	465.5823	465.5821	465.5831	22.713	22.66917

16345	M1043T11	1.00761	0.010937	0.034719	0.973159	0.904754	UP	1043.133	1043.131	1043.135	10.89907	10.879
16346	M839T9_1	1.015813	0.022635	0.035372	0.97322	0.904759	UP	838.8311	838.8292	838.8361	9.42475	9.288883
16347	M1121T10	1.00803	-0.01154	-0.03449	0.973405	0.904775	DOWN	1120.678	1120.677	1120.679	9.92825	9.827283
16348	M241T10_	1.00672	0.009662	0.034629	0.973406	0.904775	UP	241.343	241.3428	241.3431	9.9847	9.8753
16349	M380T11_	1.007704	-0.01107	-0.03485	0.973499	0.904784	DOWN	379.7221	379.7218	379.7232	10.90519	10.879
16350	M306T10_	1.004705	-0.00677	-0.03463	0.973502	0.904784	DOWN	306.3166	306.3164	306.3168	9.984083	9.8753
16351	M1171T10	1.006991	0.010051	0.034353	0.973558	0.904789	UP	1171.411	1171.41	1171.412	9.972917	9.8753
16352	M190T13	1.010109	0.014512	0.034301	0.973662	0.904798	UP	190.1224	190.1223	190.1226	12.93722	12.85008
16353	M418T9_3	1.006104	-0.00878	-0.03391	0.973856	0.904815	DOWN	417.8598	417.8595	417.8605	9.2585	9.129317
16354	M1988T10	1.005676	0.008166	0.034096	0.973924	0.904821	UP	1987.883	1987.881	1987.887	9.856867	9.747533
16355	M1046T10	1.006059	0.008715	0.033986	0.974003	0.904828	UP	1046.226	1046.226	1046.227	9.823575	9.699733
16356	M471T9_5	1.008626	0.012391	0.034025	0.974213	0.904847	UP	471.1969	471.1966	471.1972	9.176533	9.12675
16357	M210T11_	1.007263	0.01044	0.033584	0.974402	0.904864	UP	210.0009	210.0008	210.0013	10.9344	10.89355
16358	M445T10_	1.029647	0.042149	0.032996	0.974498	0.904872	UP	445.1946	445.1938	445.1948	9.960967	9.8753
16359	M299T44_	1.010171	0.014599	0.033523	0.974506	0.904873	UP	299.185	299.1848	299.1852	43.9485	43.6175
16360	M353T10_	1.010452	0.015001	0.033054	0.974521	0.904874	UP	353.0954	353.0913	353.0956	9.967367	9.816183
16361	M191T11_	1.007517	-0.0108	-0.03334	0.974617	0.904883	DOWN	191.351	191.351	191.3511	10.892	10.85018
16362	M250T10_	1.022022	0.031427	0.032846	0.974629	0.904884	UP	250.338	250.338	250.3381	9.914217	9.811217
16363	M413T9_1	1.013205	-0.01893	-0.03254	0.974847	0.904903	DOWN	413.0761	413.0758	413.0762	9.1339	9.07945
16364	M224T10_	1.011601	0.01664	0.032512	0.97486	0.904904	UP	223.6228	223.6227	223.6236	9.823225	9.715683
16365	M374T10_	1.005328	0.007667	0.032639	0.974862	0.904904	UP	374.2219	374.2214	374.2222	9.956417	9.859233
16366	M350T10_	1.01336	0.019147	0.032549	0.974882	0.904906	UP	350.3606	350.3603	350.3608	9.968992	9.843367
16367	M388T44_	1.007565	-0.01087	-0.03337	0.974904	0.904908	DOWN	388.2327	388.2326	388.2329	44.0635	44.03467
16368	M745T10_	1.005083	0.007315	0.033073	0.974978	0.904914	UP	745.3178	745.3147	745.3189	9.830783	9.715683
16369	M727T10_	1.005161	0.007427	0.032594	0.975025	0.904919	UP	726.9293	726.9288	726.9301	10.33764	10.26307
16370	M415T19_	1.003457	-0.00498	-0.03233	0.975031	0.904919	DOWN	415.2925	415.2922	415.2927	18.95142	18.95083
16371	M377T11_	1.004636	0.006673	0.032305	0.975064	0.904922	UP	376.9656	376.9655	376.9659	10.892	10.8646
16372	M325T9_2	1.005644	-0.00812	-0.03243	0.975085	0.904924	DOWN	324.6385	324.6382	324.6387	9.486892	9.416817
16373	M223T10_	1.007265	-0.01044	-0.03256	0.97519	0.904933	DOWN	222.9029	222.9028	222.9033	9.856867	9.747533
16374	M805T11	1.010799	0.015496	0.032097	0.975245	0.904938	UP	804.5911	804.5899	804.592	11.23931	11.22427
16375	M641T10_	1.021713	-0.03099	-0.0324	0.975334	0.904946	DOWN	640.6239	640.6226	640.6253	9.744917	9.4159
16376	M250T11_	1.006781	-0.00975	-0.03179	0.975428	0.904954	DOWN	250.0101	250.0099	250.0104	10.90522	10.879
16377	M501T10_	1.009429	-0.01354	-0.03215	0.97547	0.904958	DOWN	501.2284	501.228	501.2287	9.984083	9.8753
16378	M704T9_1	1.026953	0.03837	0.031688	0.975524	0.904963	UP	703.6919	703.691	703.6926	9.096242	9.06855
16379	M391T12	1.008518	0.012237	0.031982	0.97559	0.904968	UP	391.1996	391.1987	391.1998	11.57007	11.51945

16380	M444T10_	1.009855	0.014149	0.031573	0.975598	0.904969	UP	443.7244	443.7242	443.7247	9.897925	9.843367
16381	M472T9_8	1.029249	-0.04159	-0.03151	0.97564	0.904973	DOWN	472.2609	472.2591	472.2633	9.365833	9.046783
16382	M562T44_	1.003613	0.005203	0.032257	0.975713	0.904979	UP	562.3219	562.3218	562.3224	43.85483	43.80467
16383	M1012T10	1.004855	-0.00699	-0.0322	0.975724	0.90498	DOWN	1012.026	1012.024	1012.034	9.830833	9.728083
16384	M576T9_7	1.007851	-0.01128	-0.03146	0.975933	0.904999	DOWN	576.369	576.3688	576.3698	8.813067	8.7575
16385	M826T10_	1.012385	0.017758	0.031067	0.975997	0.905004	UP	826.4027	826.4019	826.4033	9.953592	9.869467
16386	M234T11_	1.005106	0.007347	0.03095	0.976195	0.905022	UP	233.5132	233.5131	233.5135	10.892	10.879
16387	M380T10_	1.008208	-0.01179	-0.03116	0.976245	0.905026	DOWN	380.408	380.4075	380.4083	9.972917	9.8753
16388	M195T11_	1.003669	0.005283	0.030708	0.976257	0.905027	UP	195.0113	195.0112	195.0117	10.90519	10.879
16389	M399T11_	1.005431	-0.00781	-0.03093	0.97638	0.905038	DOWN	399.4791	399.4701	399.4795	10.90551	10.879
16390	M1492T10	1.011457	0.016435	0.030473	0.976579	0.905056	UP	1492.066	1492.06	1492.068	9.960817	9.859233
16391	M580T17_	1.007164	-0.0103	-0.0306	0.976638	0.905061	DOWN	579.8743	579.873	579.8752	16.51967	16.50535
16392	M380T27_	1.014668	-0.02101	-0.02981	0.976967	0.90509	DOWN	380.2555	380.2549	380.2558	27.16475	27.1435
16393	M435T9_6	1.011919	-0.01709	-0.02967	0.977073	0.905099	DOWN	434.7889	434.7878	434.7916	9.346	9.12675
16394	M774T10_	1.0106	0.015212	0.030156	0.977087	0.9051	UP	774.495	774.4943	774.4955	9.964092	9.859233
16395	M1127T10	1.008192	0.01177	0.029641	0.977159	0.905106	UP	1127.476	1127.475	1127.478	9.84095	9.728083
16396	M282T11_	1.004214	-0.00607	-0.0298	0.977189	0.905109	DOWN	282.1936	282.1935	282.1939	11.49131	11.47593
16397	M259T11_	1.025858	-0.03683	-0.02945	0.977224	0.905112	DOWN	259.1618	259.161	259.1738	10.93208	10.90197
16398	M396T20_	1.005403	0.007773	0.029636	0.977241	0.905114	UP	395.5841	395.5841	395.5844	20.24492	20.23017
16399	M291T9_6	1.012725	-0.01824	-0.02949	0.977281	0.905117	DOWN	290.8578	290.8575	290.8585	8.791683	8.712633
16400	M684T10_	1.006755	0.009713	0.029359	0.977309	0.90512	UP	683.9936	683.9923	684.0031	9.828367	9.699733
16401	M355T43_	1.002175	0.003135	0.029998	0.977377	0.905126	UP	355.2113	355.2112	355.2115	42.841	42.81217
16402	M273T10_	1.0093	0.013355	0.029368	0.977426	0.90513	UP	273.167	273.1669	273.167	9.519758	9.237017
16403	M1136T9	1.011216	-0.01609	-0.0293	0.977451	0.905132	DOWN	1135.51	1135.509	1135.518	9.36515	9.295817
16404	M502T10_	1.012545	0.017986	0.029222	0.977472	0.905134	UP	501.9742	501.9682	501.9748	9.9677	9.869467
16405	M342T10_	1.023114	-0.03297	-0.02907	0.977545	0.90514	DOWN	341.5234	341.5232	341.5238	9.956417	9.843367
16406	M439T10_	1.005545	0.007977	0.029081	0.977576	0.905143	UP	438.6928	438.6926	438.6929	9.977442	9.859233
16407	M783T10_	1.008935	-0.01283	-0.02903	0.977577	0.905143	DOWN	782.9399	782.9379	782.9405	9.932033	9.811217
16408	M474T43	1.006139	0.00883	0.029875	0.977579	0.905143	UP	474.2694	474.2692	474.2696	42.99917	42.74033
16409	M415T15	1.004279	0.006161	0.029416	0.977632	0.905148	UP	415.2835	415.2831	415.2841	15.26215	15.24867
16410	M285T9_4	1.006014	-0.00865	-0.02917	0.977701	0.905154	DOWN	285.2407	285.2406	285.2408	8.719975	8.629617
16411	M718T10_	1.003927	-0.00565	-0.02906	0.977716	0.905155	DOWN	718.4915	718.4914	718.4917	9.544775	9.432183
16412	M1460T11	1.005661	-0.00814	-0.02877	0.977783	0.905161	DOWN	1460.087	1460.086	1460.09	10.892	10.8646
16413	M623T12_	1.006825	-0.00981	-0.02893	0.977785	0.905162	DOWN	623.3603	623.36	623.3617	11.59273	11.5607
16414	M367T10_	1.01068	0.015327	0.028779	0.977789	0.905162	UP	366.9915	366.9911	366.992	9.958617	9.843367

16415	M383T10_	1.006518	-0.00937	-0.02882	0.97782	0.905165	DOWN	383.3037	383.3034	383.3056	9.729367	9.4632
16416	M341T10_	1.002371	0.003417	0.028756	0.978016	0.905182	UP	341.4567	341.4565	341.4569	9.831142	9.715683
16417	M261T10_	1.020103	0.028714	0.028343	0.978093	0.905189	UP	260.6281	260.6279	260.6282	9.949233	9.916767
16418	M355T10_	1.00602	-0.00866	-0.02843	0.978143	0.905193	DOWN	354.8187	354.8181	354.8189	9.999	9.8753
16419	M385T19	1.006071	-0.00873	-0.02854	0.978165	0.905195	DOWN	385.3422	385.342	385.3425	19.2665	19.23333
16420	M324T9_4	1.006592	-0.00948	-0.02801	0.978369	0.905213	DOWN	323.7229	323.7114	323.7233	8.857533	8.643767
16421	M983T10	1.005604	0.008062	0.028238	0.978405	0.905216	UP	983.0509	983.0503	983.0511	9.9847	9.8914
16422	M221T10_	1.008335	-0.01198	-0.02772	0.978594	0.905232	DOWN	221.2862	221.2812	221.2902	9.8235	9.696683
16423	M754T10_	1.00371	0.005342	0.027665	0.978607	0.905234	UP	754.4441	754.4388	754.4459	9.842	9.715683
16424	M449T11_	1.007005	-0.01007	-0.02778	0.978643	0.905237	DOWN	449.1758	449.1747	449.1761	10.90537	10.879
16425	M711T10_	1.005494	-0.0079	-0.0281	0.978647	0.905237	DOWN	711.2096	711.209	711.2099	9.80185	9.699733
16426	M1413T10	1.010891	0.015628	-0.02738	0.979061	0.905273	UP	1412.969	1412.962	1412.971	9.94455	9.885167
16427	M286T10_	1.005355	0.007706	0.02707	0.979132	0.90528	UP	286.3235	286.323	286.3238	9.968992	9.859233
16428	M416T11_	1.007898	-0.01135	-0.02702	0.979151	0.905281	DOWN	415.9098	415.9096	415.9102	10.88982	10.8214
16429	M448T17	1.016596	0.023747	0.026973	0.979198	0.905285	UP	448.3053	448.305	448.3059	17.29975	17.2335
16430	M850T10_	1.004317	-0.00621	-0.02705	0.979215	0.905287	DOWN	849.6415	849.641	849.6421	9.934533	9.843367
16431	M450T24	1.006477	0.009314	0.026747	0.979318	0.905296	UP	450.3572	450.3569	450.3574	24.01633	24.00117
16432	M427T9_1	1.011699	0.01678	0.0265	0.979535	0.905315	UP	426.7778	426.7773	426.7787	8.85555	8.745033
16433	M335T10_	1.003887	0.005597	0.026598	0.979553	0.905316	UP	335.1303	335.1299	335.1307	9.831925	9.699733
16434	M617T10_	1.005116	-0.00736	-0.02651	0.979586	0.905319	DOWN	616.8179	616.8172	616.821	9.825492	9.7124
16435	M232T11_	1.003268	0.004707	0.026529	0.979732	0.905332	UP	232.3491	232.349	232.3493	10.90519	10.879
16436	M327T10_	1.004275	0.006154	0.02619	0.979803	0.905338	UP	326.6138	326.6136	326.614	9.830283	9.715683
16437	M561T10_	1.005678	-0.00817	-0.02602	0.979901	0.905347	DOWN	560.6711	560.671	560.6712	10.37437	10.29792
16438	M1037T18	1.011394	-0.01635	-0.02599	0.979927	0.905349	DOWN	1036.84	1036.84	1036.841	17.864	17.8495
16439	M386T10_	1.010734	-0.0154	-0.02597	0.980045	0.905359	DOWN	386.2492	386.2488	386.2495	9.958617	9.843367
16440	M474T38	1.009613	0.013802	0.025919	0.980065	0.905361	UP	474.2695	474.2692	474.2698	38.06433	37.74817
16441	M596T11_	1.01231	-0.01765	-0.02579	0.980076	0.905362	DOWN	596.3241	596.324	596.3244	10.8646	10.86008
16442	M335T11_	1.005664	0.008149	0.025747	0.980116	0.905366	UP	335.3063	335.3057	335.307	10.92378	10.88995
16443	M705T10_	1.013494	0.019338	0.025596	0.980227	0.905375	UP	704.9903	704.9894	704.9921	9.762917	9.746783
16444	M200T9_7	1.008095	0.011632	0.025466	0.98032	0.905383	UP	199.7797	199.7683	199.7812	9.295167	9.142767
16445	M219T10_	1.00713	-0.01025	-0.02573	0.980338	0.905385	DOWN	219.4739	219.4738	219.4739	9.9351	9.827283
16446	M473T10_	1.031787	0.045145	0.025375	0.98038	0.905389	UP	472.5272	472.5203	472.5314	9.532283	9.346
16447	M324T10_	1.007672	0.011026	0.025253	0.980478	0.905397	UP	323.7547	323.7542	323.7552	9.830658	9.77435
16448	M631T28	1.007228	-0.01039	-0.02514	0.980565	0.905405	DOWN	631.4455	631.4449	631.4462	28.21533	28.157
16449	M199T10_	1.01075	-0.01543	-0.02494	0.980753	0.905421	DOWN	199.286	199.2833	199.2862	9.8371	9.715683

16450	M213T9_1	1.012154	-0.01743	-0.02484	0.980802	0.905426	DOWN	212.5168	212.5148	212.5182	9.2946	9.166033
16451	M353T30	1.006652	-0.00956	-0.02509	0.980815	0.905427	DOWN	353.3089	353.3086	353.309	30.08658	30.07833
16452	M334T10_	1.007664	-0.01101	-0.02472	0.980889	0.905433	DOWN	334.44	334.4384	334.4403	9.8371	9.715683
16453	M310T9_6	1.006111	0.00879	0.024669	0.980924	0.905436	UP	310.4695	310.469	310.4698	9.333667	9.275917
16454	M729T10_	1.007176	-0.01032	-0.02461	0.980981	0.905441	DOWN	728.7214	728.7207	728.7217	9.94785	9.827283
16455	M158T10_	1.013246	0.018985	0.024633	0.980994	0.905442	UP	157.6946	157.6945	157.7058	9.8378	9.811217
16456	M239T10_	1.011585	-0.01662	-0.0248	0.981011	0.905444	DOWN	239.1429	239.1427	239.143	9.959492	9.8914
16457	M178T9_5	1.009936	0.014264	0.024454	0.981092	0.905451	UP	177.8615	177.8614	177.8621	9.152608	9.1175
16458	M215T10_	1.009119	0.013096	0.024331	0.981186	0.905459	UP	214.7547	214.7545	214.7548	9.828267	9.8161
16459	M438T11_	1.004034	-0.00581	-0.02433	0.981213	0.905462	DOWN	438.1691	438.1628	438.17	10.89308	10.877
16460	M1055T10	1.019102	0.027299	-0.0244	0.981269	0.905466	UP	1054.759	1054.759	1054.759	9.964092	9.8753
16461	M157T9_4	1.006525	-0.00938	-0.02426	0.981284	0.905468	DOWN	157.25	157.2497	157.2503	9.314442	9.219483
16462	M176T9_5	1.007306	-0.0105	-0.02428	0.98131	0.90547	DOWN	176.3941	176.393	176.3944	9.197467	9.079083
16463	M709T9_4	1.010982	-0.01576	-0.02418	0.981319	0.905471	DOWN	709.4556	709.4553	709.4567	8.939267	8.832317
16464	M276T11_	1.006735	0.009684	0.023951	0.981485	0.905485	UP	275.5394	275.5393	275.5395	10.84923	10.84395
16465	M216T10_	1.010155	0.014576	0.023971	0.981501	0.905487	UP	216.1246	216.1242	216.1247	9.9174	9.811217
16466	M169T10_	1.003535	-0.00509	-0.02434	0.98161	0.905496	DOWN	169.2379	169.2378	169.2382	9.8397	9.715683
16467	M533T30	1.004657	0.006703	0.024189	0.981674	0.905502	UP	533.3653	533.3649	533.3655	30.2805	30.266
16468	M698T10_	1.015915	-0.02278	-0.02378	0.981674	0.905502	DOWN	698.3989	698.3976	698.3995	9.84305	9.743667
16469	M327T29_	1.004099	-0.0059	-0.02412	0.981873	0.905519	DOWN	327.2527	327.2526	327.2528	28.65942	28.58833
16470	M289T11_	1.004017	-0.00578	-0.02342	0.981891	0.905521	DOWN	289.2745	289.2743	289.2746	10.892	10.8646
16471	M734T10_	1.006122	0.008805	0.023393	0.981911	0.905522	UP	733.7113	733.711	733.7116	9.943183	9.827283
16472	M526T10_	1.008053	0.011572	0.023543	0.981921	0.905523	UP	526.1476	526.1471	526.1491	9.979342	9.8753
16473	M317T32	1.006367	0.009156	0.023364	0.981932	0.905524	UP	317.1147	317.1144	317.1155	32.44583	32.43117
16474	M624T11_	1.005983	-0.00861	-0.02336	0.981944	0.905525	DOWN	623.8882	623.8879	623.8886	11.48928	11.47298
16475	M362T11_	1.003678	0.005297	0.023303	0.981981	0.905528	UP	362.1425	362.1422	362.1436	10.892	10.879
16476	M381T11_	1.003468	-0.005	-0.0233	0.981984	0.905529	DOWN	381.0218	381.0216	381.0227	10.892	10.879
16477	M159T13	1.003506	-0.00505	-0.02339	0.98209	0.905538	DOWN	159.0802	159.0801	159.0803	13.02546	12.96833
16478	M1319T9	1.008143	0.0117	0.023133	0.98214	0.905542	UP	1319.04	1319.038	1319.043	9.361783	9.17485
16479	M216T10_	1.007404	-0.01064	-0.0231	0.9822	0.905548	DOWN	215.5617	215.5615	215.5619	9.965717	9.843367
16480	M245T10_	1.024302	-0.03464	-0.02285	0.982328	0.905559	DOWN	245.1728	245.1727	245.1737	9.934533	9.827283
16481	M200T28	1.016905	-0.02418	-0.0227	0.982509	0.905574	DOWN	200.2006	200.2004	200.2007	27.59783	27.56833
16482	M380T10_	1.016627	0.023791	0.022611	0.982516	0.905575	UP	379.5824	379.582	379.5826	9.932033	9.827283
16483	M334T10_	1.013337	-0.01911	-0.02266	0.982627	0.905585	DOWN	334.1104	334.1095	334.1112	9.81635	9.715683
16484	M178T9_1	1.009254	0.013289	0.022641	0.982633	0.905585	UP	178.3377	178.3376	178.3381	9.314408	9.132267

16485	M900T34	1.012845	0.018413	0.022412	0.98272	0.905593	UP	899.6141	899.6133	899.6144	34.00367	33.93183
16486	M168T10_	1.005909	-0.0085	-0.02217	0.982857	0.905605	DOWN	168.0906	168.0885	168.0908	9.830833	9.715683
16487	M497T17	1.006646	0.009556	0.022004	0.982991	0.905616	UP	497.3659	497.3658	497.3661	17.0595	17.0435
16488	M364T9_5	1.007017	-0.01009	-0.0219	0.983067	0.905623	DOWN	364.0267	364.0249	364.0298	9.182125	9.0839
16489	M311T26	1.006459	0.009288	0.021848	0.983183	0.905633	UP	311.3419	311.3416	311.3423	25.57992	25.56417
16490	M172T10_	1.005463	-0.00786	-0.02166	0.983292	0.905642	DOWN	171.5304	171.5302	171.5367	9.97155	9.853533
16491	M642T18_	1.002607	0.003756	0.021869	0.983324	0.905645	UP	642.4644	642.464	642.4645	18.01525	17.99367
16492	M661T10_	1.002062	-0.00297	-0.02152	0.983383	0.90565	DOWN	660.503	660.5024	660.5047	9.834117	9.715683
16493	M398T10_	1.010018	0.014382	0.021496	0.983396	0.905652	UP	398.374	398.3738	398.3742	9.972483	9.946367
16494	M430T45	1.002467	-0.00356	-0.02153	0.983443	0.905656	DOWN	430.2433	430.2432	430.2436	44.854	44.739
16495	M736T22	1.004674	-0.00673	-0.02139	0.983683	0.905676	DOWN	736.4595	736.4591	736.4598	21.73608	21.71267
16496	M371T11_	1.005772	-0.0083	-0.02104	0.983731	0.905681	DOWN	371.1463	371.146	371.1465	11.03413	11.02038
16497	M408T10_	1.007569	-0.01088	-0.02117	0.983733	0.905681	DOWN	407.6785	407.6781	407.6788	9.968992	9.859233
16498	M913T10_	1.007523	0.010813	0.021413	0.983756	0.905683	UP	912.7397	912.739	912.7404	9.979342	9.8753
16499	M454T13	1.004312	-0.00621	-0.02083	0.983893	0.905695	DOWN	454.1034	454.1031	454.104	13.22232	13.2008
16500	M520T9_8	1.005772	-0.0083	-0.02072	0.984012	0.905705	DOWN	520.4182	520.417	520.4213	9.34615	9.2946
16501	M258T19	1.005741	0.008259	0.02068	0.984065	0.90571	UP	258.1849	258.1845	258.1851	18.74617	18.73167
16502	M243T9_1	1.009377	0.013465	0.02079	0.984096	0.905712	UP	243.4011	243.3955	243.4013	9.277967	9.1322
16503	M378T9_9	1.011394	-0.01634	-0.02053	0.984189	0.90572	DOWN	378.2924	378.2921	378.2926	9.333667	9.275917
16504	M908T10_	1.007999	-0.01149	-0.02034	0.984326	0.905732	DOWN	907.5783	907.5779	907.579	9.979342	9.859233
16505	M214T11_	1.005031	0.00724	0.020062	0.98449	0.905747	UP	214.2423	214.242	214.243	10.8926	10.85018
16506	M582T10	1.004308	-0.0062	-0.02043	0.98452	0.905749	DOWN	582.4726	582.4723	582.4734	9.969158	9.8753
16507	M316T39_	1.002857	0.004117	0.020422	0.984646	0.90576	UP	316.1752	316.175	316.1754	39.03833	38.95667
16508	M466T19	1.004806	-0.00692	-0.02	0.984685	0.905763	DOWN	466.3058	466.3056	466.3061	18.85658	18.8455
16509	M338T9_6	1.005687	0.008182	0.019914	0.984726	0.905767	UP	338.1139	338.1134	338.1141	8.88575	8.84285
16510	M254T10_	1.006494	-0.00934	-0.01975	0.984749	0.905769	DOWN	253.9642	253.9605	253.9645	9.946467	9.827283
16511	M299T42_	1.004676	-0.00673	-0.02028	0.984749	0.905769	DOWN	299.1487	299.1486	299.1488	41.58967	41.51883
16512	M372T11_	1.003674	-0.00529	-0.0197	0.984786	0.905772	DOWN	372.0199	372.0196	372.0202	10.89907	10.879
16513	M730T10_	1.006526	0.009384	0.019782	0.984882	0.905781	UP	729.9487	729.9465	729.9496	9.818525	9.696683
16514	M420T20	1.021762	0.03106	0.019454	0.984958	0.905787	UP	420.31	420.3097	420.3106	20.28817	20.23033
16515	M203T20	1.002885	-0.00416	-0.01934	0.985043	0.905794	DOWN	203.1063	203.1063	203.1064	19.68767	19.6415
16516	M172T9_3	1.00609	0.00876	0.019227	0.985196	0.905808	UP	172.0565	172.0563	172.0568	9.175017	9.126783
16517	M370T10_	1.002448	-0.00353	-0.01921	0.985197	0.905808	DOWN	370.2419	370.2419	370.242	9.959533	9.843367
16518	M384T9_5	1.01036	-0.01487	-0.01953	0.985224	0.90581	DOWN	384.2503	384.2444	384.2511	9.078567	8.90715
16519	M446T11_	1.003067	-0.00442	-0.01909	0.985235	0.905811	DOWN	445.9077	445.9071	445.9081	10.892	10.879



16520	M271T11_	1.003019	-0.00435	-0.01926	0.985253	0.905813	DOWN	270.7993	270.7991	270.7995	10.90628	10.85838
16521	M436T10_	1.007288	-0.01048	-0.01912	0.985323	0.905819	DOWN	435.8466	435.8463	435.8479	9.825392	9.729367
16522	M1229T20	1.00702	0.010093	0.018966	0.985452	0.90583	UP	1228.618	1228.616	1228.619	19.66908	19.6495
16523	M272T26_	1.006054	-0.00871	-0.01878	0.985488	0.905833	DOWN	272.2854	272.2853	272.2856	25.748	25.72567
16524	M419T9_5	1.005036	-0.00725	-0.01908	0.985579	0.905841	DOWN	418.8301	418.8297	418.8312	9.272133	9.189117
16525	M220T10_	1.057155	0.080186	0.018929	0.985641	0.905846	UP	220.0862	220.0772	220.0863	9.892133	9.82645
16526	M360T10_	1.00364	-0.00524	-0.01855	0.985694	0.905851	DOWN	360.3736	360.3733	360.3739	9.979342	9.859233
16527	M320T10_	1.005847	0.00841	0.01854	0.985696	0.905851	UP	319.77	319.7644	319.7701	9.948875	9.64815
16528	M403T9_4	1.005213	0.007501	0.018474	0.98572	0.905853	UP	403.0095	403.0089	403.01	9.4098	9.370583
16529	M352T9_5	1.005119	-0.00737	-0.01822	0.985908	0.905869	DOWN	352.2224	352.2223	352.2226	8.764617	8.623117
16530	M364T9_8	1.012028	-0.01725	-0.01817	0.985958	0.905874	DOWN	364.0984	364.0981	364.099	9.250817	9.219483
16531	M423T26_	1.004857	-0.00699	-0.01834	0.98596	0.905874	DOWN	422.9586	422.9578	422.9586	25.57883	25.57867
16532	M522T9_6	1.007574	-0.01089	-0.01819	0.986065	0.905883	DOWN	522.4092	522.4078	522.4097	9.148833	9.1175
16533	M635T10_	1.005348	-0.0077	-0.01803	0.986071	0.905883	DOWN	635.1207	635.1205	635.1218	9.94785	9.843367
16534	M793T11_	1.005398	0.007767	0.017859	0.986202	0.905895	UP	793.0986	793.0979	793.0991	11.23619	11.20953
16535	M728T10_	1.006539	-0.0094	-0.01784	0.986209	0.905895	DOWN	728.2829	728.2823	728.2833	9.885075	9.636483
16536	M321T10_	1.005183	-0.00746	-0.01745	0.986565	0.905926	DOWN	321.0068	321.0064	321.0073	9.958617	9.843367
16537	M321T11_	1.004021	-0.00579	-0.01735	0.986587	0.905928	DOWN	320.5073	320.5069	320.5085	10.90551	10.879
16538	M453T10_	1.00393	-0.00566	-0.01739	0.986642	0.905933	DOWN	452.6219	452.6212	452.622	9.972483	9.8753
16539	M357T42_	1.00646	0.00929	0.017234	0.986672	0.905935	UP	357.1906	357.1906	357.1907	42.30867	42.20783
16540	M490T38	1.002759	-0.00397	-0.01712	0.986762	0.905943	DOWN	490.2644	490.2643	490.2645	37.82008	37.73383
16541	M706T33	1.058704	0.082299	-0.01715	0.986762	0.905943	UP	705.5775	705.5775	705.5782	32.77767	32.7775
16542	M680T45_	1.005311	-0.00764	-0.01753	0.986769	0.905944	DOWN	680.3854	680.3853	680.3857	44.96183	44.83967
16543	M199T42	1.002016	0.002906	0.017145	0.986789	0.905945	UP	199.1326	199.1326	199.1327	42.23667	42.179
16544	M486T9_2	1.005094	0.007331	0.017331	0.986803	0.905947	UP	486.4796	486.4793	486.4798	9.300733	9.22495
16545	M349T10_	1.001126	-0.00162	-0.0173	0.986839	0.90595	DOWN	348.5124	348.5123	348.5125	9.8397	9.73145
16546	M181T10_	1.006247	0.008985	0.017109	0.986845	0.90595	UP	180.8019	180.8016	180.8019	9.968992	9.859233
16547	M356T10_	1.002645	-0.00381	-0.01698	0.986895	0.905955	DOWN	356.2261	356.226	356.2262	9.964092	9.859233
16548	M481T9_8	1.008403	-0.01207	-0.01717	0.987061	0.905969	DOWN	481.4504	481.4472	481.4548	9.440308	9.295817
16549	M171T10_	1.003706	0.005337	0.016514	0.987229	0.905983	UP	170.8465	170.8464	170.8467	9.8207	9.715683
16550	M1493T10	1.005964	-0.00858	-0.01658	0.987479	0.906005	DOWN	1492.969	1492.968	1492.972	9.95165	9.853533
16551	M345T43_	1.004093	-0.00589	-0.01628	0.987557	0.906012	DOWN	345.1906	345.1905	345.1908	43.445	43.215
16552	M815T11_	1.005836	-0.0084	-0.01616	0.987596	0.906015	DOWN	815.0803	815.0792	815.0824	11.22677	11.18982
16553	M377T10_	1.003731	0.005373	0.016155	0.987605	0.906016	UP	376.9521	376.952	376.9522	9.887133	9.872067
16554	M651T10_	1.00314	-0.00452	-0.01617	0.987674	0.906022	DOWN	651.49	651.4886	651.4904	10.28725	10.2024

16555	M392T20_	1.00524	0.007539	0.015807	0.987841	0.906036	UP	392.0513	392.051	392.0518	20.24492	20.21583
16556	M939T11	1.003117	-0.00449	-0.01563	0.987915	0.906043	DOWN	939.3135	939.3124	939.3153	10.89875	10.8646
16557	M541T10_	1.003664	0.005276	0.015695	0.987942	0.906045	UP	541.0822	541.0816	541.083	9.9847	9.8753
16558	M250T11_	1.001775	-0.00256	-0.01561	0.988014	0.906051	DOWN	249.5181	249.5179	249.5183	10.90519	10.879
16559	M452T38	1.004857	-0.00699	-0.01546	0.988046	0.906054	DOWN	452.3578	452.3576	452.358	37.73383	37.73367
16560	M324T11_	1.003959	-0.0057	-0.01513	0.988317	0.906077	DOWN	323.6792	323.6787	323.6793	10.89827	10.82935
16561	M1267T10	1.003145	-0.00453	-0.01501	0.9884	0.906084	DOWN	1267.237	1267.231	1267.237	9.976033	9.8753
16562	M675T9_1	1.065914	0.092091	0.014815	0.988548	0.906097	UP	675.2209	675.2206	675.2218	9.46855	9.416817
16563	M397T9_3	1.004334	-0.00624	-0.01477	0.988627	0.906104	DOWN	396.7007	396.6953	396.7038	9.244708	9.09495
16564	M477T9_2	1.001717	0.002476	0.014538	0.988771	0.906116	UP	476.5691	476.5685	476.5696	8.903533	8.730433
16565	M585T9_1	1.004666	-0.00672	-0.0144	0.988876	0.906125	DOWN	585.183	585.178	585.1838	9.174967	9.12675
16566	M316T11_	1.00253	0.003645	0.014335	0.988972	0.906134	UP	316.0791	316.0781	316.0797	10.90683	10.80695
16567	M427T12	1.002295	-0.00331	-0.01404	0.989152	0.906149	DOWN	427.3037	427.3034	427.3039	12.10025	12.0908
16568	M202T8	1.005365	-0.00772	-0.01369	0.989479	0.906177	DOWN	202.1799	202.1691	202.1801	8.3059	8.175433
16569	M338T10_	1.005929	0.008529	0.013585	0.989499	0.906179	UP	338.4895	338.4864	338.4927	9.851867	9.699733
16570	M631T10_	1.003539	0.005097	0.013534	0.989533	0.906182	UP	631.1004	631.1	631.1015	9.943183	9.827283
16571	M321T11_	1.002361	0.003402	0.013463	0.989591	0.906187	UP	320.8512	320.8509	320.8517	10.89923	10.88747
16572	M203T9_5	1.002221	-0.0032	-0.0133	0.989723	0.906198	DOWN	203.3296	203.3294	203.3298	9.285508	9.129317
16573	M318T11_	1.003731	-0.00537	-0.0133	0.989811	0.906206	DOWN	317.6364	317.6361	317.6366	10.84847	10.84395
16574	M478T38_	1.003409	0.004909	0.013377	0.989824	0.906207	UP	478.3007	478.3006	478.3009	37.8205	37.63283
16575	M288T23_	1.011349	-0.01628	-0.01305	0.98991	0.906214	DOWN	288.261	288.255	288.2639	22.93633	22.8425
16576	M205T10_	1.002009	0.002895	0.013254	0.989921	0.906215	UP	205.012	205.012	205.0198	9.816183	9.445217
16577	M227T11_	1.001486	-0.00214	-0.01301	0.989941	0.906217	DOWN	227.1195	227.1192	227.1197	10.90519	10.879
16578	M340T10_	1.017802	-0.02546	-0.01296	0.989977	0.90622	DOWN	339.8887	339.8816	339.894	9.864892	9.73145
16579	M256T10_	1.00308	0.004437	0.013026	0.990033	0.906225	UP	255.8649	255.8647	255.8651	9.88865	9.62055
16580	M741T22	1.001824	0.00263	0.012864	0.99008	0.906229	UP	741.4153	741.4149	741.4155	21.73783	21.68017
16581	M478T10_	1.004097	-0.0059	-0.01289	0.990082	0.906229	DOWN	478.3155	478.3148	478.3161	10.41773	10.39197
16582	M403T15_	1.005766	-0.00829	-0.01302	0.990084	0.906229	DOWN	403.2583	403.2544	403.2588	15.14124	15.08812
16583	M413T11_	1.004433	0.006381	0.012847	0.990101	0.906231	UP	412.6617	412.6597	412.6639	10.93906	10.84395
16584	M550T10_	1.002164	0.003119	0.0129	0.990129	0.906233	UP	550.0131	550.0128	550.0133	9.954767	9.843367
16585	M434T10_	1.004212	-0.00606	-0.01273	0.990172	0.906237	DOWN	433.7194	433.7188	433.7197	9.968992	9.859233
16586	M1794T10	1.004299	-0.00619	-0.0127	0.990241	0.906243	DOWN	1793.61	1793.609	1793.611	9.799767	9.728083
16587	M747T9	1.009849	-0.01414	-0.01255	0.990295	0.906247	DOWN	746.5827	746.5817	746.5831	9.078567	9.048117
16588	M402T9_1	1.003495	-0.00503	-0.0126	0.990296	0.906247	DOWN	401.5555	401.5548	401.5561	9.25985	9.129317
16589	M682T11_	1.002044	0.002946	0.012478	0.99035	0.906252	UP	681.5538	681.5536	681.5542	10.89193	10.8646

16590	M1654T10	1.005072	-0.0073	-0.01244	0.990395	0.906256	DOWN	1653.849	1653.848	1653.852	9.956417	9.859233
16591	M564T10_	1.035253	0.049984	-0.01233	0.990468	0.906262	UP	564.4692	564.469	564.4698	9.946367	9.885167
16592	M744T9_4	1.005438	0.007824	0.012315	0.990482	0.906263	UP	744.4365	744.4352	744.437	8.952283	8.8486
16593	M411T10_	1.004129	-0.00594	-0.0123	0.990509	0.906266	DOWN	410.5532	410.5529	410.5535	9.933967	9.827283
16594	M620T42	1.000902	0.001301	0.012382	0.990595	0.906273	UP	620.3639	620.3637	620.3641	41.96358	41.93467
16595	M245T10_	1.002927	-0.00422	-0.01235	0.990644	0.906277	DOWN	245.0783	245.0781	245.0786	10.33471	10.26307
16596	M424T36	1.003948	0.005685	0.012013	0.990747	0.906286	UP	424.3629	424.3625	424.3633	36.275	36.26567
16597	M698T9_4	1.003754	-0.00541	-0.01145	0.991149	0.90632	DOWN	698.4848	698.4844	698.4849	9.191092	9.129317
16598	M717T10_	1.001557	-0.00224	-0.01153	0.991166	0.906322	DOWN	717.488	717.4879	717.4882	9.550533	9.432183
16599	M404T10_	1.00402	-0.00579	-0.0115	0.991224	0.906327	DOWN	403.5335	403.5333	403.534	9.830083	9.787433
16600	M201T10_	1.00282	0.004063	0.011352	0.991241	0.906328	UP	200.5647	200.5642	200.565	9.860817	9.728083
16601	M189T9_2	1.007011	-0.01008	-0.01132	0.991254	0.906329	DOWN	188.6693	188.6688	188.6697	9.26575	9.160617
16602	M300T10_	1.003484	-0.00502	-0.01134	0.991313	0.906334	DOWN	300.2211	300.2135	300.2213	9.52345	9.509533
16603	M228T11_	1.001339	0.00193	0.011264	0.991327	0.906336	UP	227.5138	227.5134	227.5139	10.90551	10.879
16604	M406T13	1.002363	0.003405	0.011127	0.991403	0.906342	UP	406.3061	406.3029	406.3066	12.76235	12.57265
16605	M580T42_	1.001438	0.002073	0.010808	0.991673	0.906365	UP	580.3326	580.3323	580.3328	41.8915	41.71867
16606	M446T9_2	1.003989	0.005744	0.010852	0.991724	0.90637	UP	445.738	445.7374	445.7395	9.230225	9.191133
16607	M261T13_	1.003382	-0.00487	-0.01081	0.991726	0.90637	DOWN	261.1094	261.1093	261.1095	13.30228	13.2878
16608	M469T9_3	1.002629	0.003788	0.010659	0.991787	0.906375	UP	469.0115	469.0101	469.0123	9.313383	9.175017
16609	M218T11_	1.007158	-0.01029	-0.0105	0.991883	0.906383	DOWN	218.0162	218.0161	218.0163	10.9361	10.879
16610	M469T11_	1.002571	0.003705	0.01046	0.991953	0.906389	UP	469.3383	469.3379	469.3448	11.23408	11.2174
16611	M654T10_	1.001126	-0.00162	-0.01051	0.992039	0.906397	DOWN	653.6939	653.6932	653.6957	9.823575	9.715683
16612	M444T10_	1.002141	0.003086	0.010295	0.992049	0.906397	UP	443.6544	443.654	443.6547	9.918833	9.811217
16613	M458T10_	1.00141	-0.00203	-0.00988	0.992364	0.906424	DOWN	458.2337	458.233	458.2343	9.779267	9.729367
16614	M247T10_	1.00171	-0.00247	-0.00989	0.992366	0.906425	DOWN	246.807	246.8068	246.8071	9.932033	9.827283
16615	M442T10_	1.000475	0.000685	0.010021	0.992401	0.906428	UP	441.8702	441.87	441.871	9.820192	9.683817
16616	M772T10_	1.004819	-0.00694	-0.00993	0.992459	0.906433	DOWN	771.7531	771.7491	771.7542	9.830733	9.73145
16617	M577T30	1.001843	0.002657	0.009847	0.992504	0.906436	UP	577.3918	577.3914	577.3919	30.2805	30.26683
16618	M252T9_6	1.002982	-0.0043	-0.00969	0.992583	0.906443	DOWN	252.3494	252.3487	252.3507	9.234417	9.146383
16619	M311T11_	1.00301	-0.00434	-0.00964	0.992593	0.906444	DOWN	310.7679	310.7597	310.7685	10.90553	10.71928
16620	M293T10_	1.005993	-0.00862	-0.00963	0.992599	0.906444	DOWN	293.3757	293.3755	293.3831	9.977533	9.8914
16621	M437T23	1.004118	0.005928	0.009625	0.992645	0.906448	UP	437.1928	437.1924	437.1933	22.84942	22.81383
16622	M215T10_	1.0027	-0.00389	-0.0095	0.992681	0.906452	DOWN	214.8698	214.8695	214.87	9.964092	9.843367
16623	M273T37	1.002002	0.002885	0.009725	0.992702	0.906453	UP	273.1693	273.1692	273.1695	37.23633	37.02933
16624	M317T10_	1.001648	-0.00238	-0.00943	0.992733	0.906456	DOWN	317.0461	317.0457	317.0468	9.97155	9.859233

16625	M413T9_8	1.002721	-0.00392	-0.00938	0.992881	0.906469	DOWN	412.9651	412.9641	412.9665	9.182317	9.12675
16626	M529T11_	1.003225	0.004645	0.0092	0.992884	0.906469	UP	529.1889	529.1884	529.1893	10.91926	10.82972
16627	M1185T9	1.002828	0.004074	0.009196	0.992905	0.906471	UP	1185.496	1185.495	1185.498	9.258358	9.06855
16628	M454T39_	1.001533	-0.00221	-0.00917	0.99298	0.906477	DOWN	454.2644	454.2641	454.2647	39.03142	38.87033
16629	M379T10_	1.003156	-0.00455	-0.00918	0.993006	0.906479	DOWN	379.3181	379.3173	379.3198	9.8235	9.715683
16630	M1949T10	1.017879	0.025566	0.00926	0.99302	0.90648	UP	1948.628	1948.625	1948.636	9.831142	9.728083
16631	M375T19_	1.00101	0.001457	0.009005	0.993068	0.906485	UP	375.3004	375.3002	375.3006	18.9655	18.95117
16632	M438T9_3	1.00198	-0.00285	-0.0091	0.993084	0.906486	DOWN	437.6917	437.6909	437.6924	8.88395	8.772383
16633	M788T10_	1.001091	-0.00157	-0.00895	0.99309	0.906486	DOWN	787.9322	787.9313	787.933	10.21166	10.13368
16634	M353T11_	1.003375	0.004862	0.008867	0.993184	0.906494	UP	352.9915	352.9911	352.9918	10.94208	10.8628
16635	M313T9_3	1.002966	0.004272	0.008812	0.993223	0.906498	UP	312.6332	312.633	312.6332	9.22495	9.174917
16636	M399T10_	1.009369	-0.01345	-0.00883	0.993237	0.906499	DOWN	399.3507	399.3505	399.3608	9.977867	9.8914
16637	M320T11_	1.001969	-0.00284	-0.0087	0.993274	0.906502	DOWN	319.7932	319.7927	319.7944	10.91381	10.87765
16638	M558T10_	1.005278	0.007594	0.008705	0.993328	0.906507	UP	557.9898	557.9892	557.9909	9.914108	9.874067
16639	M520T45_	1.001388	0.002001	0.008522	0.993412	0.906514	UP	520.3113	520.3111	520.3115	44.92483	44.76783
16640	M208T10_	1.002282	-0.00329	-0.00856	0.993415	0.906514	DOWN	208.3914	208.3912	208.3915	9.933967	9.827283
16641	M352T10_	1.002432	-0.0035	-0.0084	0.993511	0.906522	DOWN	351.5403	351.5398	351.5404	9.964092	9.843367
16642	M508T11_	1.001977	0.00285	0.00841	0.993513	0.906522	UP	508.2522	508.2519	508.2528	10.9049	10.85018
16643	M1516T11	1.002155	-0.00311	-0.00839	0.9936	0.90653	DOWN	1515.619	1515.617	1515.621	10.8914	10.8646
16644	M331T9_4	1.007126	-0.01024	-0.00813	0.993724	0.906541	DOWN	330.8922	330.8921	330.894	9.305225	9.234417
16645	M213T10_	1.001262	-0.00182	-0.00816	0.99385	0.906551	DOWN	212.8407	212.8406	212.8408	9.823575	9.699733
16646	M250T10_	1.007041	0.010122	0.007616	0.994111	0.906574	UP	250.2772	250.2769	250.2774	9.964167	9.859233
16647	M1949T10	1.001525	-0.0022	-0.00765	0.994163	0.906578	DOWN	1949.495	1949.493	1949.497	9.836142	9.699733
16648	M262T10_	1.002187	0.003152	0.007426	0.994261	0.906586	UP	261.6488	261.6485	261.6489	9.94785	9.827283
16649	M1981T10	1.002058	0.002966	0.007342	0.994324	0.906592	UP	1980.832	1980.831	1980.836	9.856867	9.7634
16650	M1157T10	1.001957	-0.00282	-0.00706	0.994554	0.906611	DOWN	1156.639	1156.639	1156.641	9.701875	9.5889
16651	M938T10	1.003268	0.004708	0.007052	0.994563	0.906612	UP	938.0113	938.0103	938.0124	9.958617	9.843367
16652	M734T23	1.002044	-0.00295	-0.00705	0.994582	0.906614	DOWN	734.49	734.4898	734.4911	23.133	23.08867
16653	M795T11_	1.00157	0.002263	0.006765	0.994783	0.906631	UP	795.4467	795.4462	795.4473	10.5189	10.47197
16654	M1758T10	1.002556	0.003682	0.006712	0.994811	0.906633	UP	1758.221	1758.22	1758.221	9.830283	9.73145
16655	M616T10_	1.001351	-0.00195	-0.00668	0.994836	0.906635	DOWN	616.4269	616.4262	616.4277	10.40847	10.34372
16656	M228T10_	1.000552	-0.0008	-0.00668	0.994892	0.90664	DOWN	228.2322	228.2321	228.2323	10.31737	10.26307
16657	M810T36	1.001489	-0.00215	-0.00658	0.99494	0.906644	DOWN	809.5241	809.5222	809.526	35.7595	35.70583
16658	M723T10_	1.001697	-0.00245	-0.00646	0.995005	0.90665	DOWN	722.9538	722.9526	722.9547	9.857275	9.715683
16659	M1834T10	1.001562	0.002252	0.006392	0.995101	0.906658	UP	1834.325	1834.323	1834.328	9.834117	9.699733

16660	M1049T11	1.00125	-0.0018	-0.0063	0.995131	0.90666	DOWN	1049.47	1049.464	1049.471	10.892	10.63137
16661	M263T11_	1.000744	0.001073	0.006153	0.995242	0.90667	UP	263.262	263.2616	263.2622	10.90519	10.879
16662	M361T10_	1.00126	-0.00182	-0.00608	0.995333	0.906678	DOWN	360.7429	360.7426	360.7431	9.983467	9.8753
16663	M219T11_	1.001305	0.001881	0.00594	0.995407	0.906684	UP	218.6865	218.6865	218.6866	10.90553	10.879
16664	M387T10_	1.004798	-0.00691	-0.00572	0.995577	0.906698	DOWN	386.7987	386.7981	386.8055	9.915583	9.822117
16665	M476T9_2	1.002897	-0.00417	-0.00576	0.995587	0.906699	DOWN	475.5798	475.572	475.5839	9.229333	9.126783
16666	M221T30_	1.007829	0.011251	0.005594	0.995674	0.906706	UP	221.1001	221.0984	221.1045	29.87008	29.76133
16667	M1954T10	1.001122	0.001618	0.005585	0.995684	0.906707	UP	1954.374	1954.371	1954.377	9.821308	9.73145
16668	M752T10_	1.001003	-0.00145	-0.00561	0.995732	0.906711	DOWN	752.4234	752.4218	752.4244	10.4133	10.32952
16669	M494T10_	1.001119	-0.00161	-0.00549	0.995763	0.906714	DOWN	494.3361	494.3352	494.3365	9.972917	9.859233
16670	M569T9_8	1.001444	-0.00208	-0.00533	0.995885	0.906724	DOWN	569.4747	569.4745	569.4748	8.694433	8.63795
16671	M639T10_	1.000567	0.000818	0.005253	0.995937	0.906729	UP	638.6197	638.619	638.6227	9.830558	9.715683
16672	M477T9_1	1.003069	-0.00442	-0.00525	0.995938	0.906729	DOWN	476.5483	476.5461	476.5495	9.22495	9.1602
16673	M454T38	1.000682	0.000984	0.005268	0.995994	0.906734	UP	454.2646	454.2641	454.2647	38.40967	38.338
16674	M443T9	1.001842	-0.00266	-0.0051	0.996058	0.906739	DOWN	442.7914	442.7906	442.7917	8.963	8.892117
16675	M324T11_	1.001555	-0.00224	-0.0051	0.996071	0.90674	DOWN	323.8821	323.8818	323.8825	10.90646	10.8926
16676	M195T9_1	1.003586	-0.00516	-0.00506	0.99609	0.906742	DOWN	195.0606	195.0591	195.0633	9.272133	9.03845
16677	M404T42_	1.000918	-0.00132	-0.00508	0.996104	0.906743	DOWN	404.264	404.2638	404.2641	42.4235	42.23667
16678	M219T11_	1.000755	0.001089	0.005007	0.996138	0.906746	UP	219.3674	219.3673	219.3676	10.892	10.879
16679	M565T10_	1.00139	0.002004	0.004986	0.996146	0.906747	UP	564.6618	564.6614	564.6621	9.9847	9.8753
16680	M624T10_	1.000937	-0.00135	-0.0049	0.996237	0.906754	DOWN	623.8045	623.8037	623.8087	9.830458	9.7124
16681	M391T20	1.000918	0.001323	0.004876	0.996243	0.906755	UP	391.0565	391.0564	391.0567	20.245	20.23017
16682	M548T43	1.000863	-0.00124	-0.00477	0.99632	0.906761	DOWN	548.3062	548.3061	548.3064	43.19333	42.91267
16683	M403T44_	1.001372	-0.00198	-0.00464	0.996441	0.906772	DOWN	403.2323	403.2321	403.2326	44.02017	43.86233
16684	M793T11_	1.001353	0.001951	0.004579	0.996465	0.906774	UP	792.5969	792.5964	792.5972	11.24773	11.20953
16685	M1220T18	1.000632	-0.00091	-0.00461	0.996528	0.906779	DOWN	1219.557	1219.557	1219.558	18.08533	18.05517
16686	M719T10_	1.001126	0.001624	0.004459	0.996586	0.906784	UP	719.415	719.4141	719.4155	10.05184	9.955733
16687	M219T10_	1.001883	0.002714	0.004082	0.996846	0.906806	UP	218.8398	218.8396	218.8398	9.967367	9.859233
16688	M784T10_	1.000484	0.000698	0.004055	0.996865	0.906808	UP	783.859	783.8585	783.8598	9.970617	9.885167
16689	M568T10_	1.000866	0.001249	0.003984	0.996943	0.906814	UP	568.0369	568.0365	568.0375	9.902617	9.79535
16690	M306T15	1.001923	-0.00277	-0.00388	0.997088	0.906826	DOWN	306.2037	306.2034	306.2038	14.83908	14.79363
16691	M198T11_	1.000583	-0.00084	-0.0037	0.997139	0.906831	DOWN	198.4997	198.4995	198.4998	10.8926	10.8646
16692	M614T10_	1.000926	0.001335	0.003673	0.99716	0.906833	UP	614.386	614.385	614.3925	10.04697	9.840617
16693	M224T11_	1.000423	0.00061	0.003656	0.997173	0.906834	UP	223.5235	223.5234	223.524	10.90519	10.879
16694	M489T30	1.000658	-0.00095	-0.00374	0.997175	0.906834	DOWN	489.3392	489.3388	489.3393	30.26608	30.25233

16695	M259T11_	1.000876	0.001263	0.003635	0.997189	0.906835	UP	259.4235	259.4234	259.4239	10.892	10.8646
16696	M337T9_6	1.001178	-0.0017	-0.00367	0.997202	0.906836	DOWN	336.8249	336.8248	336.825	9.170325	9.130683
16697	M239T11_	1.000932	0.001343	0.003603	0.997216	0.906837	UP	238.8548	238.8545	238.8554	10.892	10.85018
16698	M264T11_	1.000411	0.000593	0.003368	0.997415	0.906854	UP	263.7541	263.7537	263.7543	10.90551	10.879
16699	M389T10_	1.039878	0.056414	0.003163	0.997586	0.906869	UP	389.4189	389.4186	389.4195	9.981567	9.960967
16700	M1761T10	1.000724	-0.00104	-0.00313	0.997595	0.906869	DOWN	1760.95	1760.949	1760.95	9.977067	9.859233
16701	M352T10_	1.000522	-0.00075	-0.00316	0.997598	0.90687	DOWN	351.8798	351.8796	351.8799	9.825492	9.7124
16702	M239T10_	1.00072	0.001038	0.003054	0.997684	0.906877	UP	239.0571	239.0568	239.0572	9.954217	9.843367
16703	M161T9_1	1.032505	0.046148	-0.003	0.997704	0.906879	UP	161.0373	161.0372	161.0374	9.324708	9.26575
16704	M318T9_2	1.000689	-0.00099	-0.00297	0.997716	0.90688	DOWN	317.521	317.5208	317.5211	8.863725	8.802417
16705	M888T11_	1.000743	0.001072	0.002917	0.997747	0.906882	UP	888.4204	888.4198	888.4251	10.91734	10.88995
16706	M554T11_	1.000727	0.001049	0.002771	0.997858	0.906892	UP	553.9131	553.912	553.9138	10.89907	10.88747
16707	M316T10_	1.000879	0.001268	0.002681	0.997928	0.906898	UP	315.9746	315.9742	315.9752	9.884917	9.811217
16708	M485T11_	1.000424	-0.00061	-0.00265	0.997953	0.9069	DOWN	485.3692	485.3691	485.3696	11.48533	11.47593
16709	M452T10_	1.000693	-0.001	-0.00255	0.998036	0.906907	DOWN	452.1785	452.1779	452.1838	9.903017	9.822117
16710	M211T10_	1.000706	0.001018	0.0025	0.998067	0.906909	UP	211.2945	211.2942	211.2945	9.823575	9.73145
16711	M298T10_	1.000922	0.00133	0.002424	0.998126	0.906914	UP	298.1768	298.1765	298.1769	9.948875	9.843367
16712	M357T41_	1.000776	-0.00112	-0.00242	0.998156	0.906917	DOWN	357.1907	357.1906	357.1909	41.47558	41.388
16713	M561T11	1.000517	0.000746	0.002357	0.998179	0.906919	UP	561.0226	561.0224	561.023	10.9176	10.8888
16714	M371T9_1	1.000648	0.000934	0.002225	0.998306	0.90693	UP	370.9158	370.9154	370.9161	9.4592	9.355317
16715	M562T11_	1.070198	0.097878	0.00213	0.998377	0.906936	UP	562.1098	562.1088	562.1103	10.87487	10.85838
16716	M410T19	1.000555	0.0008	0.002019	0.998447	0.906941	UP	410.0301	410.0295	410.0303	18.588	18.57017
16717	M728T10_	1.000183	0.000263	0.001993	0.998459	0.906942	UP	727.8771	727.8754	727.8778	9.825492	9.715683
16718	M1964T10	1.000244	0.000352	0.00179	0.998644	0.906958	UP	1963.515	1963.513	1963.519	9.842908	9.73145
16719	M456T10_	1.00034	0.000491	0.001676	0.998731	0.906965	UP	456.2464	456.2455	456.2465	9.970617	9.8914
16720	M359T24	1.000501	0.000722	0.001571	0.998803	0.906972	UP	359.2401	359.2399	359.2402	23.75133	23.74233
16721	M811T10_	1.00073	0.001053	0.00147	0.99887	0.906977	UP	810.9267	810.9258	810.9272	9.970617	9.8753
16722	M599T10_	1.000162	-0.00023	-0.00144	0.998887	0.906979	DOWN	598.8346	598.8343	598.8351	9.9149	9.811217
16723	M342T38	1.000062	-8.92E-05	-0.00135	0.998971	0.906986	DOWN	342.3082	342.308	342.3084	37.69775	37.69017
16724	M1066T10	1.000453	-0.00065	-0.00132	0.99899	0.906987	DOWN	1066.332	1066.33	1066.333	9.951283	9.714783
16725	M402T11_	1.001132	-0.00163	-0.00127	0.999021	0.90699	DOWN	402.3026	402.2997	402.305	10.88236	10.83393
16726	M428T9_1	1.000382	-0.00055	-0.00127	0.999035	0.906991	DOWN	427.5991	427.5987	427.5999	9.289925	9.18975
16727	M397T10_	1.000369	-0.00053	-0.00119	0.999082	0.906995	DOWN	396.8192	396.819	396.8194	9.538267	9.416817
16728	M856T10_	1.000327	0.000471	0.001201	0.999088	0.906996	UP	855.5204	855.5192	855.5223	9.954217	9.843367
16729	M381T11_	1.000191	-0.00028	-0.00105	0.999187	0.907004	DOWN	380.9507	380.9506	380.9516	10.892	10.879

16730	M238T11_	1.00012	-0.00017	-0.00101	0.999224	0.907007	DOWN	238.1671	238.167	238.1677	10.90551	10.879
16731	M569T9_5	1.000616	0.000888	0.000887	0.999318	0.907015	UP	569.3252	569.3251	569.3253	9.429367	9.370583
16732	M260T11_	1.000122	-0.00018	-0.00085	0.999342	0.907017	DOWN	259.6823	259.6821	259.6823	10.892	10.879
16733	M1420T10	1.000083	0.000119	0.00077	0.999405	0.907022	UP	1419.664	1419.661	1419.664	9.932033	9.827283
16734	M484T9_2	1.00014	-0.0002	-0.00073	0.999433	0.907025	DOWN	483.9809	483.9793	483.9813	8.977608	8.892117
16735	M322T10_	1.000147	0.000213	0.000736	0.999434	0.907025	UP	322.0365	322.0358	322.0369	9.924267	9.811217
16736	M565T10_	1.000153	-0.00022	-0.0006	0.999534	0.907033	DOWN	564.8206	564.8202	564.8209	9.664767	9.541483
16737	M331T10_	1.000083	0.00012	0.000393	0.999696	0.907047	UP	331.0423	331.0421	331.0425	9.918833	9.811217
16738	M383T10_	1.000068	9.79E-05	0.000386	0.999702	0.907047	UP	383.3197	383.3196	383.3199	9.985733	9.8914
16739	M484T10_	1.000072	0.000103	0.000331	0.999748	0.907051	UP	484.3379	484.3377	484.338	10.37466	10.32768
16740	M426T11_	1.000162	0.000234	0.000225	0.999827	0.907058	UP	426.2838	426.2834	426.2853	10.93415	10.77772
16741	M409T11_	1.000023	3.28E-05	0.000202	0.999846	0.90706	UP	409.0697	409.0696	409.0755	10.90657	10.879
16742	M507T17	1.000024	-3.44E-05	-0.00019	0.999853	0.90706	DOWN	507.3982	507.3978	507.3985	17.045	17.03033
16743	M904T10	1.035774	0.050709	0.000167	0.999871	0.907062	UP	904.0282	904.0276	904.0295	9.951392	9.859233

rtmax	npeaks	DMSO_Aq	11oxoETE_maxint	mean1	sd1	mean2	sd2	Untreat1	Untreat2	Untreat3	Untreat4	
9.659033	5	0	5	4449025	30561031	2604976	4310609	3088789	30961100	31545530	33994410	29296591
9.40135	6	0	5	1727247	15233735	1176732	3808250	2000885	17126982	15303381	14146480	15234130
43.33	8	0	5	1470469	19897893	577584	5122652	2657779	20308385	20573761	19364208	19253067
9.324967	6	5	1	394658.3	1392086	185576.4	678795.8	163413.3	1398178	1599845	1102867	1493275
10.25853	4	0	4	22817678	1.81E+08	28129560	21145032	45756321	2.24E+08	1.71E+08	1.77E+08	1.85E+08
21.8415	5	0	5	2021432	353565.3	44639.04	13562626	2711776	426341.7	329344	312264.3	363268.8
9.3735	3	0	3	381925	3514407	498536.5	1692236	196998.7	4164687	3235267	3844920	3426233
17.65867	3	0	3	401784.2	430524.1	58197.98	5331466	1117385	489551.8	416886.1	385471.8	367713.7
20.245	4	0	4	131047.8	550897.1	107433.7	183959.7	106508.7	574365.1	702896.8	431837.8	464609.8
9.370583	6	1	4	1076033	3915571	694476.1	1628590	710589.9	4808899	3620051	4021010	4190617
9.82645	4	4	0	4851155	5425110	5040665	19936308	3379456	1997459	14349760	3850103	3286106
21.11583	4	0	4	1933552	292356.7	19943.83	10787973	2802176	317258.8	269746.6	309054.7	282329.8
9.77345	4	3	1	665961.6	1628925	180080.8	1082389	68658.24	1634110	1937923	1495098	1542990
9.392767	4	4	0	494103.7	1027032	311348.7	123363.6	142574.2	974619.6	1016972	854219.2	740101.2
9.388367	10	5	5	1169871	3770858	495274.8	2196730	558633.7	4326908	4034456	3208091	3286882
9.445217	9	3	5	4595949	22331545	3203845	13059194	3064220	19560674	19651099	20982939	24938487
21.74	4	0	4	348920.3	212151.1	43368.57	2095348	579506.9	199582.7	149624.6	228151.2	268658.7
21.11817	3	0	3	496377.3	766313.3	33150.49	2812146	651311.8	793949.2	796140.6	760250.7	766924.8
12.36858	3	0	3	71009	63446.23	28484.74	224961.3	61424.86	31558.36	55196.19	109300.3	65154.07
9.856867	10	5	5	2439362	12636427	1291148	7805239	1914195	12536854	11786443	11071960	13488384
9.358417	5	1	4	4392405	43102299	7214311	16401548	10686764	39773128	35217146	40790343	45500759
20.78217	5	0	5	2870806	298616.3	22247.17	18799126	6080244	296077.7	330555.7	289191.9	306860.1
22.87133	6	1	5	200481.3	2128854	298085.1	1375648	231590.2	1604149	2220701	2209930	2344862
21.46183	5	0	5	2311349	680677	25142.39	20381649	6579944	653136	689836.9	655916.7	710688
8.8977	9	5	4	385645.3	2397526	571946.8	901510.3	543115.2	2561685	3099221	2564110	1543333
9.43325	10	5	4	498635.6	2772024	608900.1	1150479	615759.2	1998419	2626998	3268639	3496776
9.3141	5	0	4	4.71E+08	2.13E+09	2.53E+08	3.27E+08	7.21E+08	2.13E+09	2.1E+09	2.5E+09	2.15E+09
11.39828	9	5	4	170130.3	591606.5	51396.05	278266.2	127843.3	572625.9	591056.7	677996.5	542250
24.15683	5	0	5	1811574	318643	63434.03	11595530	4041079	353320	365524	344418	320970.5
9.46265	10	5	5	1246874	5056538	653999.3	3511915	494522.9	5838971	5697736	4671198	4534733
9.388367	9	5	4	1046035	3708649	563270.6	2328334	519586.4	4336488	4007447	2829402	3760567
21.56017	6	3	3	102439.3	549656.8	94106.82	327452.2	38044.09	629566.3	639352.1	577474.6	431815.5
10.31365	7	3	3	277663	1056271	40299.89	703779.4	143768.9	1024813	1042244	1094069	1103998
9.95825	4	1	3	2050352	4620265	1002029	1906184	1140607	6286354	3949738	4319288	4752020



9.830833	9	5	4	559762.8	1635226	144018.4	1961288	101170.6	1432566	1664105	1552982	1735664
21.50117	3	0	3	1211486	308782.4	37996.9	7914977	2891446	321998.3	340686.5	307116.5	329691
20.78217	5	0	5	807494.9	823589.9	48133.8	4380804	1363880	823648	815618.6	900724.9	809694.9
10.9645	4	3	1	312348.1	689739.9	145861.8	349352.9	125133.9	811436.3	595323.4	523391.5	649646.7
9.219483	3	0	3	10549683	60416094	4912332	20232241	16874301	66421741	60342006	61988728	60525415
9.46265	10	5	5	846927.6	2920872	344600.5	2000063	396139.9	3211450	3320407	2781141	2472548
23.249	4	0	4	88702.7	154594.9	39933.01	606832.1	185625.9	174436.5	214253.9	114705.4	129789.5
11.72232	8	4	4	144455.1	1301229	387113.7	450859.2	251573.5	1869802	932189.1	1518952	1040125
9.64815	4	3	1	464665.4	1258268	300667.4	566345.1	258551.7	1235317	1527445	1334104	1437094
9.41815	3	0	3	394637.7	1267622	143448.5	776176.8	226769.5	1023071	1382679	1279074	1359569
21.4725	4	0	4	554396.6	1787689	69419.86	5084810	1335328	1845687	1862387	1776659	1764341
20.0125	7	3	4	121749.1	544279.3	82408.42	328344.9	95691.39	584834.9	452911.2	464256.9	642932.7
21.8415	3	0	3	439769.3	836696.4	53836.67	3095152	919385.8	842412.6	896209.7	815897.6	757038
9.8322	7	3	4	752446.8	2794293	467080.8	1443554	627002.9	2697243	2618442	3611962	2609501
21.88483	5	0	4	1347801	840748.8	40645.05	8675100	3243687	897221.3	834686.5	786163	828803.4
9.328967	5	1	4	603867.6	4218452	1443966	1184430	776247.7	4629342	5903485	5029759	3238008
9.388367	10	5	5	1182937	3878658	597628	2514403	560595.1	3975122	4195813	3112644	3476119
26.9835	6	5	1	113957.6	335069.8	154911.8	678207.7	135972.4	221524.5	481655.2	122403	413684.4
9.93625	3	0	3	2489631	10314407	2333312	3882998	3039121	9061269	8541769	14290385	10473716
9.023433	4	3	1	178342.3	392558.7	107047.3	158046.5	93277.63	424198.7	487695.2	296155.6	263289.5
10.23515	6	4	2	332694.1	1006138	212285.1	555797	176168.8	1064132	1251001	1092402	681597.9
10.55887	4	3	1	86893.98	177992.8	39411.37	97670.36	27114.23	179089.1	192104.5	127435.7	158038.4
10.33295	4	3	1	355432.9	467774.4	369678.9	1314061	373241	888802.4	225324.3	159527.9	210754.3
9.487883	15	5	5	6940831	23714414	2661134	17636188	2695011	26530721	22452670	19851971	24086902
9.388367	10	5	5	1616657	6779774	692263.2	4702210	1031702	7564610	7181590	5718542	6665052
33.19617	3	0	3	83181.81	420446.8	36423.92	260687.3	79535.23	376758.4	450159.4	420429.9	392676.8
9.842	5	4	1	377734.8	1419738	203543.2	791568.6	318581.8	1744226	1445384	1230996	1264471
9.4775	8	3	5	1047010	4208482	1115965	1980201	802643.1	3760803	4270682	2908540	4138216
9.346	3	0	3	748041.8	7521471	1159994	3048126	2302157	7848770	5728569	8680353	8253918
10.63273	4	0	4	773921.1	2716775	437336.5	1369739	694854.9	3445543	2711774	2674247	2382152
9.438833	9	5	4	3489280	4998744	2380944	13524623	4440108	5090201	5927089	8331579	2039843
9.406667	5	1	4	2095918	14203863	5124552	4394586	2506596	16447890	5323028	18435021	15820796
9.522017	8	5	3	346833.2	815630.2	141039.8	415918.8	207845.1	876331.6	1016022	651875.5	721275.5
9.450483	7	2	4	1074613	4760527	1166101	1916701	1434173	4781838	5825690	3157667	4123832
17.60183	4	0	4	282134.4	387085.3	62356.35	1716570	642811	345880.7	479712	338818.1	347160.6

8.8977	10	5	5	519986.8	7121974	555821.9	2770771	2187463	7500553	7618517	6213532	7038503
9.649833	8	4	2	714829.3	1200862	112483.6	1706627	265518.2	1290115	1028841	1143739	1272416
9.1476	3	0	3	8165399	38047714	14266972	10718674	10336123	41675914	60411134	30910802	34629269
10.3061	7	3	4	840133.3	2347246	687512.3	1059158	429281	3365677	2579427	2312219	1911979
9.650367	9	5	4	1612678	6467989	585296	4277533	1173984	7263443	5637954	6313566	6621108
9.523383	4	0	4	1.41E+08	8.43E+08	63381790	1.56E+08	3.44E+08	9.35E+08	8.58E+08	8.45E+08	8.19E+08
9.56645	12	4	4	386795.5	1012034	200044.4	554078.6	229262.2	1124011	1032759	773275.1	859548.5
9.445217	12	5	5	2296752	27436780	4302753	17193517	5228861	26563781	23767684	24489394	27783203
10.03167	3	3	0	866796.9	2096130	515978.8	1089230	138929.1	1813003	2674872	1972793	2566670
10.52898	10	5	5	291782	1094760	265669.1	604794.2	135104.6	960627.4	1507921	1207173	945818.4
11.59415	6	1	4	133856.7	573099.2	115043.7	280033.7	155077.5	607833.4	605007.1	460275.9	460321.9
9.673333	10	5	5	733307.5	2591902	440628.1	1731815	372228.3	3118778	2697702	2044197	2245912
10.97857	10	5	5	402316.1	1663745	350652.3	1020459	198796.7	1926161	1961331	1459997	1146916
10.94538	5	5	0	435940.3	417536.6	178422.9	911086.5	266182.9	329253.7	291643.2	404939.7	333661.7
25.20317	8	5	3	164587.4	450406	154596.7	942569.4	268829.5	449913.3	498783.6	202189.7	626671.1
10.7349	6	4	2	160964.3	309809.8	130998.2	576128.9	124734.8	317362.2	255080.6	374219.5	476254.4
9.43325	5	1	4	684090.4	4188310	1060812	1843346	1183277	5238661	4561072	4694051	3979890
9.842	5	2	3	1104453	3514106	718458.3	2136110	585687.1	2720880	3232231	3998379	4497637
9.433	6	1	5	3236746	29667997	10449332	10315796	7263404	37445869	11460508	34832969	33751360
10.01477	10	5	5	910743.8	2539965	457008.1	1553585	491599.4	2730893	2852266	2771163	1737840
9.46265	10	5	5	813490.4	2958167	427903.5	1955209	524260.2	3325836	3479180	2729875	2794702
9.903567	8	5	3	1542475	2882328	875447.7	5045543	1163430	2287863	1778003	2862200	3655295
9.445217	12	5	5	34510636	4.41E+08	80315308	2.94E+08	56161108	4.41E+08	3.64E+08	3.69E+08	4.72E+08
9.4775	10	5	5	3869508	16778257	1596397	11840245	2765932	18579369	16757612	15652861	14797174
11.04868	9	5	4	910616.1	6701565	1303181	3984181	1362242	8000324	6679539	6776697	4578834
18.44917	5	0	5	400007.6	328117.8	57065.96	1776577	748994.2	389577.8	343845.8	279476.6	258041.4
10.16043	7	4	3	152518.3	463182.8	110746.9	237752.9	111240.8	425644	642643.4	491110.5	367307.9
10.77857	7	4	3	144666.7	511999.2	129014	272180.7	102931.2	679327.9	547978.8	390422.6	373245.5
9.94455	7	3	4	802211.1	2190317	350656.1	1130558	598944.9	2758133	1829571	1997358	2152010
9.507167	4	1	3	450957.1	2334859	312502.2	1409737	522367.9	2411926	2409938	1812780	2657780
13.25843	10	5	5	26370.69	137801.7	27163.46	88880.77	19117.62	162330.1	166072.5	123994.6	100989.4
9.450483	3	0	3	12137075	1.44E+08	16897023	41721052	56451784	1.59E+08	1.16E+08	1.49E+08	1.54E+08
9.62055	5	3	2	655161.8	2773478	622593.3	1189844	884594.4	3024707	3700311	2667587	2091848
9.43325	8	3	5	901963.7	6680110	2112587	2953165	899537.4	8090588	5332550	7427801	8839875
19.08267	9	4	5	166469.1	767760.6	92887.93	507832.6	147969.6	833174.5	799582.5	627733.6	723209.4

10.8914	3	0	3	382860.4	1057869	242708.5	521218.2	288542.7	1208047	1134994	679582.2	971144.6
9.999217	7	2	5	648870.1	1644686	508733.9	747309.5	196807.9	2260853	1387349	2001781	1607319
9.5876	10	5	5	529425.1	1909185	123161	1302698	342613.5	1999693	1832600	1760079	1889461
39.7335	7	3	4	326217.8	5175096	1220497	2977977	917134.3	7280916	4503428	4342947	4558534
30.32467	4	0	4	215210.5	1549592	78110.4	469208.4	583825.5	1563231	1419354	1601741	1616892
9.743767	3	0	3	23595562	1.34E+08	28866829	40896544	54055137	1.09E+08	1.79E+08	1.25E+08	1.13E+08
12.25275	9	5	4	326276.9	3148992	424375	1800050	781189.8	2765448	2796512	2971827	3587078
9.64815	4	4	0	122139.6	315885.1	86538.97	137991	92869.84	305396.7	298467.3	257171.5	253497.7
13.34628	6	3	3	121602.3	1655913	182161.4	806981.2	485208	1846339	1461133	1510195	1616855
42.17917	4	0	4	1512405	28968492	981622.1	10773810	9834844	29920007	27647273	29715290	28243978
9.655117	7	4	3	249528.7	843924.3	97131.83	572049	156895	879885.9	906401.6	786942.2	942434
41.25867	5	0	4	308490.3	4281071	124026.1	3430162	477435.5	4319139	4134587	4303570	4455228
42.74033	8	3	2	410221	4835598	932038.2	3227993	621571.6	5111883	3820880	5372204	3921504
9.1503	3	0	3	262409.5	1174444	218673.5	627066.6	315603.6	1305122	933304.8	1135506	1476488
9.46265	6	1	5	2388459	28155616	13680541	3367775	1603142	3908091	31280536	35864355	35737372
44.96917	5	0	4	1630679	29700347	955900.6	10831095	10394273	29629117	29417702	29060589	29042372
40.39533	7	0	4	1373090	24839298	264168.7	8789600	8796484	24911843	24625317	24653148	24738724
9.40615	4	3	1	349572.5	781211.9	129369.8	161132.6	360303.4	953730.1	837775.8	720938.8	607076.9
44.9835	16	4	4	476197.9	8723610	1421790	5652638	1695627	9897268	8410317	6923649	7983234
9.43325	9	3	5	567947.7	3722094	1202982	1640461	855516.6	5238215	3328368	4434197	3561560
8.911617	6	5	1	268962	597358.2	178678.8	217441.3	209434.5	449575.7	635687.6	459333.8	886509.1
9.516467	9	3	5	830280.6	9707954	1705814	4390815	3151665	11402894	8675561	10786476	10421983
12.48643	7	3	4	82675.68	228409.4	57732.78	130353.1	36859.97	156905.4	190817.8	294160.2	222298.6
9.664767	4	3	1	113455.7	287349.1	55270.17	137004.5	88923.55	265420.6	354798.5	327063.8	276188.1
9.3919	7	1	5	5723330	33607403	17416092	2641205	1779937	40320777	2920007	43699310	44309592
9.610767	10	5	5	3572202	14114346	2500493	9683582	2046638	16032100	16755633	10566471	12815971
24.58017	10	5	5	127544.4	521329.5	27564.18	672034.8	88635.36	535134.2	546583.5	474635.6	525963.2
9.514333	7	5	2	409941.5	876711.3	232937.2	279191.9	354377.3	937469.6	1145254	640089.8	1031553
42.74033	6	0	4	1477388	23847336	920731	8626156	8658887	23292485	24367336	22820016	23606013
11.6216	9	5	4	297357.2	2606640	484883	1620281	546019.6	3292870	2206851	2906452	2158644
40.88467	7	1	4	249168.9	4718204	841810	3261350	663099.6	4224460	6212780	4492117	4276950
10.96452	6	5	1	173864.4	377318.3	127078	135318.8	128576.7	419310.7	255156.9	298936.2	335772.7
9.856867	10	5	5	4742724	31507174	1364496	27454876	2466339	31592546	32324817	29232753	32766549
11.27298	10	5	5	254496.1	775429.4	183228	438624.2	172293.1	956519.3	676097.6	983777.4	685783.5
9.874317	3	0	3	6460036	43892186	9885696	18648790	15182104	48387923	27647479	53415720	47615634

10.9645	5	3	2	250222.1	588332.2	116144.1	370118.4	115382.6	756843.8	571145.4	610839.6	431950.6
43.57417	5	3	2	299595.6	3247446	829654.3	1877303	526867.1	2302436	4237723	3518141	3704452
12.22425	6	3	3	103837.1	687381	56126.44	365417.5	192945.9	732243.9	693701.3	611674	747160.5
10.96997	4	4	0	843648.5	1524555	960385	3551494	1171924	1109061	728365.3	937957.5	3102592
24.1605	5	0	5	507765.6	1123218	77165.18	2996795	1089252	1239766	1078455	1143151	1034772
8.94625	9	5	4	429361.8	1308114	197044	734240	354706	992299.4	1485490	1423909	1247187
10.76405	7	5	2	176305.8	536941.4	147778.4	295318.5	48863.32	778477	484385.5	558299.8	388906.5
9.616167	10	5	5	1086120	4265113	882163	2837975	516809.4	5139705	5042463	2970130	4125177
10.5972	4	3	1	71960.68	187041.3	50398.81	100809.1	40978.35	124814.5	188558.3	209103.6	156105.1
9.858833	8	4	4	1019504	4336726	774637.4	2850524	823668.4	4622383	4044680	3698587	3759426
9.887133	3	0	3	1277924	6954779	2187516	3441662	1161081	7694596	4038163	9793627	7574731
11.6196	10	5	5	321041.9	1801488	384475.6	1146147	310649.8	2446620	1697064	1827754	1480809
10.90765	4	1	3	442128.6	1292104	374252.2	676933.1	258556.2	1338455	922332.3	899582.4	1575854
41.762	11	3	4	310943.5	4644597	940242.7	2932521	912657.8	6034553	3684932	4736829	4902114
9.445217	13	5	5	1641680	14880237	4544515	6731272	4299858	20511849	17623322	15555475	11346298
10.67637	10	5	5	269618.3	1368214	198290.9	1004859	196832.7	1629388	1493709	1185185	1168716
9.644783	10	5	5	3775523	15934226	2236608	9132907	4284735	17731092	15706521	12276019	17741818
40.79817	6	3	2	379447.8	5300306	1332994	3178934	762036.4	5001702	7434955	5613556	4389578
9.46265	10	5	5	822409.7	2809777	506826.7	1912342	469753.2	3299203	3353059	2700114	2513731
8.8696	3	3	0	159687.6	370574.5	89907.99	140624.3	143677.9	375387.4	324088.5	474371.8	432909.7
10.32433	4	3	1	152528	465877	92966.74	319114.8	44543.55	416774.1	494605.4	351044	600591.4
17.32117	5	2	3	39658.85	167433.3	14395.04	100289.6	42038.43	185365.2	162435.8	150600.7	179165.3
9.295167	3	0	3	7806533	41887504	3850724	13172123	17610396	41828924	44438554	45784548	41625418
9.960817	9	5	4	617491.6	1610936	352862.3	973684.9	345694.3	2119968	1787354	1565191	1267543
9.447983	4	4	0	14503731	23854108	38319153	88856186	32193432	11320509	2465167	9590264	92074564
22.37867	7	5	2	1154703	14235425	2787359	9435136	2445343	13172485	14162104	16920394	10179763
9.433	5	1	4	13684848	84627734	48297331	6714963	12605175	1.26E+08	2042484	1.07E+08	1E+08
9.601917	10	5	5	5592283	21944645	2861834	16810349	2769730	19613665	26387603	19728627	20841050
9.68775	11	5	5	4674803	19301615	2417936	13066846	3933864	22003552	21588814	16356109	18491583
9.243433	3	3	0	643740.4	1314700	229668.1	567190.8	478123.6	1604423	1062311	1105806	1450465
9.23865	7	3	4	559771.6	1847769	433079.4	1153298	298029.3	1938535	1806638	1144931	2302791
9.40325	6	1	4	4418183	38338254	17912847	9197184	13255472	50474833	43671858	51751169	7880925
44.322	5	0	4	1455316	13959598	1138253	5457693	5274133	15093867	12683186	12869667	14175798
19.81117	3	0	3	899293.9	508477.1	43198.95	6440275	3602029	520594	534117.2	507747.4	435308.6
10.38125	10	5	5	740035.8	2332855	384475.4	1526363	492612.6	1854685	2896886	2416465	2355721

9.999217	7	3	4	503937.8	1399313	197710.1	1055292	183822.7	1478006	1520816	1568350	1353734
9.960467	5	3	2	478187.8	997284.2	264141.6	506128.4	281647.6	1255021	828256.5	1014507	1242795
9.43365	5	1	4	423657.1	2135742	765352.1	916514.2	534675.7	2759133	807022.9	2369526	2479015
43.75633	5	0	4	1557643	34767174	789578.5	14348554	12587738	35799081	33748696	34984020	35050830
9.856867	8	4	4	768122.8	3024239	367854.6	1852436	760583	3115613	2514257	3528512	3067653
9.406667	5	1	4	13320275	91888784	51163179	13125534	24013032	1.2E+08	1.2E+08	1.1E+08	1.09E+08
9.45945	8	4	3	1228513	8317561	2150302	3388819	3116061	11128585	8877390	9263522	5975230
8.94625	5	1	4	36316948	48807386	27022898	5682903	4226296	61957916	5437201	51773630	78036429
44.02017	10	2	5	547965.9	8147373	1692812	5271933	1525376	7626217	11011610	7815868	6488180
10.01477	11	5	5	270655.5	1065174	85988.73	822069.4	158427.6	1155015	1150644	964688.2	1002237
43.97717	7	3	4	370468.5	9051062	2637312	5016141	1297814	12882358	6493821	9361767	6638331
9.49445	4	3	1	247916	564781.9	238564.6	178076.3	189089.5	809136.1	802985.2	501575.1	453289.6
9.842	8	4	4	685788.9	2613482	385826.2	1940224	374062.3	3196094	2194080	2637870	2695641
10.95602	3	3	0	204826.6	479336.2	177288.4	209463.5	82135.12	459118.2	643404.3	423751.7	648993.5
9.37735	3	0	3	3067006	11289614	821850.1	4058835	4594032	10921487	11199692	12713377	10626836
9.43325	11	4	5	1303986	8270290	2744136	3363716	2808362	12578587	8617167	6588780	8230972
9.673333	10	5	5	1135429	4498002	632016.6	2887099	1050535	5216808	4548930	3641977	4954669
9.845483	8	4	4	1202272	4898632	649637.3	3351435	1004760	5147658	4351885	5912611	4686280
9.811217	6	3	2	488463.7	1187937	252049.3	752105.9	243432.3	815540.1	1236513	1511292	1122910
9.872883	3	0	3	6389892	42956528	8377083	19126057	15778196	45171080	30671718	53930848	43925216
40.597	7	4	2	346637.3	7143412	942897.6	5158703	1258252	6527445	6097168	8092735	6819098
26.02517	10	5	5	1442705	15312719	1991517	12069580	1691528	15875985	16244046	17349806	12081645
11.27298	9	5	4	125718.6	475285.4	119750	262831.7	123827.9	612009.4	469912.4	555716.8	439189.9
9.43325	6	4	2	393464.8	1786195	642287.8	818426.3	373775.2	2615884	1931561	995346.1	2080234
9.445217	6	2	4	509075.6	3364576	1093570	1537055	999835.7	4522625	4020005	2496377	1939998
9.487883	4	1	3	424669.9	3278406	338422.7	1744837	1018791	3545858	2818248	3528163	3014467
17.59967	5	0	5	366813.7	640626	73667.06	1977173	861950.1	690297.9	516943.1	668661.1	631212.4
21.58767	5	4	1	79192.62	555994.3	63075.99	438741.7	71482.06	594039.8	564674.1	498193.3	635657.7
9.644783	10	5	5	5668518	24464766	2972512	16290513	5485745	26316174	24468580	22408060	28284732
10.8914	3	0	3	152473.8	131348.8	114532.1	336657	122214.4	217216.6	279842.6	64215.43	95469.58
9.43325	10	5	4	734280.9	5904452	1122576	3320852	1702165	7293296	5394762	6795350	5515303
9.433	9	5	4	1768305	5366386	1565273	9945184	3088085	6138125	7403983	5649541	3511102
2.524867	5	3	2	571071.9	14310805	4615863	7302024	959351.4	8181288	11454630	18844818	14411790
9.928667	6	2	4	777471.1	1918072	239432.2	1247394	452409.4	2010577	1925702	2258093	1762077
10.95835	4	1	3	209643.4	592979	88333.31	420140.4	109145.7	556352.2	717371.5	556618.7	490618.7

9.46265	4	0	4	3413078	19023983	2591281	7646768	7652262	20262934	22194822	19713375	15527389
10.97242	3	0	3	216243.3	126610.6	88255.48	357241.7	155242.6	244010	111645.8	118363.2	159034.2
18.32183	6	5	1	130742.4	221449	105468.9	825053.5	401980.1	307569.3	350519.4	97545.89	154590.3
9.976317	4	3	1	423778.6	1057788	216289.4	424906.6	430742.2	1362077	1108681	811273.9	1115858
10.03035	10	5	5	838188.8	2954550	716836.3	1835790	563748.4	3929866	3043416	2429300	3266106
9.41815	5	1	3	1058135	6469744	933918.1	4387823	1380426	7154254	5071354	5937718	7039930
9.37735	9	4	5	981178.6	8868456	2119932	5289591	2062072	9610853	6502265	8288458	7841773
10.17547	7	5	2	397854.3	696577.5	225121.3	367884.5	114911.1	481259	1051736	743522.5	675883
9.3919	9	4	4	1099721	9538398	2271981	4892979	3040357	12325132	11079821	9261116	6458436
9.650367	8	5	3	473924.7	1301135	169844.4	688448.6	420797.7	1393550	1318402	1032224	1484575
10.93468	8	3	4	271296.3	1401494	223041.5	942847.2	301238.7	1282423	1239559	1257078	1460514
9.946367	8	3	2	2274136	3937839	387905	2627410	902100.7	4028889	3777802	4260392	3346411
9.8445	7	4	3	658091.6	1993509	462556.7	1264613	387064	2140857	1819785	2527848	2180783
30.42833	3	0	3	129906.4	988063.1	40924.33	489993	331698.4	966702.7	1033408	1024555	980478.9
9.45945	13	5	5	4063454	51251416	11235088	34626202	7193923	58195348	44009548	49755171	37999344
11.30483	6	4	2	136248.3	346217.6	124650	165778	54388.86	450664.9	485324.4	186432.6	342086.6
9.859983	6	2	4	1018024	3873947	1238484	2082176	607669.4	3622255	5601181	2674526	2838125
10.76405	13	5	5	626426	2516863	610029.8	1506645	585014.4	3424285	2615460	2264832	1747669
9.3494	5	2	3	631739.5	3662164	767931.9	2160154	976799.7	4442043	4260014	3543750	2491082
15.7312	6	3	3	33421.08	138563.2	25140.38	73950.68	44468.6	134117.1	141551.1	104843.9	136868
14.41662	4	1	3	37791.05	189542.7	19717.82	133054.7	39106.34	173974.1	193335	215275	198979.3
9.4925	6	1	4	768000.6	6395062	1106775	3622724	1905221	7665677	4794590	6210903	7180183
27.05617	4	1	3	132297.3	738584.9	142620.7	478992.1	163777.6	619825	734178.8	589149.5	812626.3
9.36565	7	3	3	1175492	2213197	991832.4	786430.7	405236.8	1543821	1876705	3956594	2020824
9.848417	8	5	3	483821.7	2178725	413901.8	1437279	464037	2686079	1652478	1948078	2485953
9.992233	7	4	3	1162094	1049522	470088.9	2383599	931362.1	1195159	293100.2	1502436	1319450
9.970617	10	5	4	321610	602355	235902	1110648	344253.1	745653.3	666043.6	882816.8	375157.1
10.07098	3	3	0	200699.4	387659.5	108135.5	181516.9	134273.7	259998.4	378656.5	505423.4	487519.2
9.531583	10	5	2	4097044	8498111	1745387	18925492	7175084	8861360	10762465	6969845	6536639
9.933967	9	4	4	1229208	3328065	519667.4	2465798	510068.3	2765955	4128813	3206685	3044222
10.46923	9	5	4	183835.6	648041.9	90852.46	444872.3	138796.3	643300.9	770780.5	700915.3	546245.5
9.701933	5	2	3	316536.8	1138914	359125.7	623499.9	197485.6	1438203	1569910	705262.6	925389
9.920517	6	2	4	2206319	9823738	1497639	6046873	2625436	9574229	7697978	9447399	11680831
26.02517	10	5	5	1524986	21765202	4490593	15285395	1221184	19810383	19355613	26268380	16658653
38.98533	5	1	4	387527	6183206	731962.2	3375930	1965985	7481592	5855121	5717233	5879442

9.840617	3	0	3	4414673	25681042	3095584	10901547	10292191	23361021	25444046	30614659	26184962
9.311883	4	1	3	3420696	13708371	7423923	3104768	2626357	20846631	1729534	16571776	17512762
9.49445	10	5	4	1113906	10530216	3062104	4827200	3701760	14202381	10906417	12670328	7161323
9.787633	5	4	1	613748	1626735	833526.5	2838459	537686.5	963237.9	1480295	1073644	3043967
13.74138	3	3	0	30417.47	109592.2	56018.94	28116.95	9611.131	65367.44	192128.2	143566.9	70486.72
22.92933	5	1	4	215109.5	1321478	459552.9	668311	237786.5	1587732	1551991	1565456	511303.6
10.94962	4	4	0	3.3E+08	4.9E+08	1.09E+09	2.03E+09	4.29E+08	2.43E+09	7222280	2246169	3912637
9.388367	6	4	2	470906.9	1300356	419436.6	706024.1	160529.7	1759288	1390595	668492.8	1544526
44.883	5	3	2	166850.9	1162711	268208.3	1552320	41621.06	801159.2	1431469	1370298	972816
9.523633	6	2	3	3019415	21670884	5584573	9910299	8031651	24950595	13076849	19014127	26465266
9.597067	8	4	4	1689751	10177884	2594635	4090004	4243138	10185502	11726663	12189625	11050585
41.10033	8	0	5	1446840	27233912	611804.3	10325956	11562774	26275929	27305683	27143437	27511082
10.6411	5	3	2	172692.8	691928.4	114835.5	507448.1	107855.1	551789.4	863470.6	726771	647082.3
8.981583	6	5	1	177284.3	469835	115876.9	257184	138579.1	488159.3	568686.7	316210.2	586389.3
24.92833	3	0	3	127390	1115820	51960.36	524460.6	407828.7	1157570	1030298	1117312	1116385
9.673333	10	5	5	1002627	4222289	434752.3	3081491	805931.9	4315673	4419383	3751787	4797531
11.66582	7	4	3	145877.3	705971.1	236224.3	362789.4	160257.2	882619.1	869492.3	473380	881723.6
9.858833	12	5	5	1217894	6009619	855699.8	3362761	1880531	5457027	4948029	5915647	6743628
9.979667	11	5	5	937447.4	4859119	1062522	3278307	804618.8	5763393	5371665	4075544	3397746
9.419733	3	3	0	25850342	38421528	36281662	90334706	8312738	18540232	78083336	77685786	6420568
42.03517	8	4	1	593983.5	5369879	2815166	9384781	1688351	3834589	10195935	3017871	4700338
10.4188	5	2	3	192875	749730	136581.8	437151.4	218276.3	591682.4	934800.4	645868.9	816864.1
9.092333	9	4	5	1191656	3864362	550772.8	2795612	718677.6	4205285	3832729	3621937	3111495
9.419733	8	4	4	960797.4	3828218	929082.5	2467456	672861	3402072	4349869	5209142	3123059
9.245983	7	3	4	1474347	11451715	3896588	5795790	2734120	5509858	10610252	16213543	12491194
9.092333	9	4	5	1246287	2851416	828799.8	1668675	530019.9	2719766	3045792	2059221	2267761
9.8322	9	5	4	1122629	4484793	412899.8	3611052	606265.4	4785487	4177636	4262017	4140459
21.58767	10	5	5	985947.2	15934275	3262641	9511457	4376317	13532656	15630405	15565835	13480066
9.8374	3	3	0	30286492	26710491	35964683	84092722	34281888	1642880	1380048	997625.4	77923266
9.64815	9	5	4	461489.4	1587650	242182.9	865119.4	520224.4	1980098	1350050	1567871	1434594
9.36565	6	5	1	374340.5	883443.3	204462.6	238512.6	465636.8	1021314	920052	603858.8	758259.7
9.872883	3	0	3	13458958	91705654	19337425	33682837	41914774	1.05E+08	58475064	92904823	96726940
11.27298	10	5	5	346221.8	1957734	520505.9	1176792	427270.9	1879399	1385302	1859792	2811680
10.16158	8	3	5	569573.4	3503398	1239272	1789149	544636.3	4487145	3249083	4313628	1455093
9.970617	4	3	1	365783	797922.9	225520.4	279438.7	368322	577060	815557.9	1020727	559537.9

20.63483	5	0	5	353155	234513.3	36256.26	1591731	950359.7	257100.7	252316	254980.1	171219.5
9.311417	3	3	0	352498.4	790935.2	196987.3	311075.2	343635.7	997425.3	995249.8	689085.7	716249.3
9.952017	11	5	5	5041650	19634737	5689814	11543064	3768699	24448031	17430417	10861727	21057580
9.43325	5	3	2	472308.1	3033167	833509.1	1504080	1023550	3592809	3673918	3442095	2773027
9.91875	3	3	0	3909622	11921574	7484754	23226329	6314794	11254159	11525630	7256238	5160183
9.295167	7	3	4	1351916	11960909	2597280	7325336	3065792	14787735	8500418	10351439	14060047
10.95835	3	0	3	6013886	19375779	4587397	6856580	9055903	26616484	19024359	17576910	14052670
30.28183	7	5	2	285042	618009.2	182071.1	1988394	975805.6	734959.5	842510.2	444417.4	644304.3
9.311883	5	1	3	348351.7	1486796	621489	611785.6	394852.4	875292.8	956097.2	2134967	2150500
9.445217	4	0	3	593897	2118492	510778.3	976227.4	814142.5	2365727	1877487	1453560	2083637
9.280767	4	3	1	292796.3	1366761	482042.9	626496.8	429832.8	1953217	1606020	1310292	1320685
15.57042	5	1	4	38398.31	283076.3	71738.2	184390.7	25656.74	397780.6	300843.3	257195.1	210259.5
9.37735	8	3	4	744088.4	8158550	1031349	4751437	2483389	9502329	7392288	8904785	7959706
9.7038	5	2	3	130366.5	541331	136167.8	354028.8	69602.47	553409.6	417113.6	651572.8	389905.3
9.983433	7	3	4	738776.8	3417929	655141.6	2389109	619027.7	2965002	3829043	2643021	4278332
23.8935	6	1	5	116487	1324265	591901.1	491329.8	62832.08	269603.4	1623478	1508322	1575137
9.479567	4	1	3	610828.5	3730283	1867831	1132518	409319.4	5083924	6147253	1988266	3486979
9.9677	7	4	3	718281.3	2265991	404463.1	1571419	453364.5	2079931	2537544	2792677	2161427
9.928667	5	3	2	696020.4	1812607	370337	968383.2	605951.4	2325441	1741546	2005028	1641151
13.37615	5	1	4	39084.36	160181.6	16284.06	102691	42007.72	174296.2	155109	177946	155746.5
9.328967	4	0	3	1375968	10933605	587297.4	4796431	4386937	11188614	10594595	10270589	10816649
9.421167	8	2	4	2099207	11311772	3663954	6276875	2020532	8778452	8613132	10916283	17590130
8.841533	4	3	1	136683.4	421540.4	171273.2	183150.3	107089.8	366570.2	616890.6	428819.7	528265.4
9.379233	8	5	3	741052.6	2182693	670434	969014.5	821818.9	2299197	2288106	1610983	1525361
20.3175	3	0	3	29553240	2.52E+08	38489472	87368835	1.21E+08	2.65E+08	3.08E+08	2.53E+08	2.05E+08
9.616167	9	5	4	701261.3	3171507	750569.3	2113691	514260.1	3144927	4183136	2736389	2229917
9.845483	10	5	5	1509527	7164141	1146559	5326161	1149578	7035490	5898316	7889307	8700809
21.42283	3	3	0	18540954	25658684	35944542	74448092	14911869	206239.6	51284720	76351908	216040.7
10.94443	5	1	4	1167884	3522897	1770081	1080607	1065932	574767.4	5329511	3812015	3693612
9.6501	8	5	3	473625.8	1602490	481039.9	904259.5	375186.7	1374612	1752131	1492138	2337610
42.35183	7	1	4	227021.5	3467937	451589.9	2185636	945772.5	3145907	3010621	3610066	4160490
9.487883	10	5	5	2789235	11322515	1653925	9067546	901038.6	10839552	9438129	10467267	12148423
14.25337	4	1	3	281959	3705854	1096120	2217227	559762.1	3484649	1978692	4258929	4900784
19.3595	3	3	0	291521.8	878898.2	468190.6	1804859	653654.9	555353.5	832234.4	335080.9	1167845
9.999217	7	3	4	414449.9	1813644	152094.5	1225951	433736.4	1939218	1841445	1597085	1961631



9.644783	10	5	5	3308662	12793465	2265654	7975261	3463137	13326312	12152338	9222743	15033091
9.40325	4	1	3	548711.8	3243432	837181.4	1885464	867181.9	3074105	2472464	4602214	3385311
11.08087	7	5	2	1071619	1477069	947662.2	4212752	2025649	2297463	1647071	227180	802321.7
40.755	6	1	3	430779	6506774	729710.7	4395726	1566846	6218940	6491958	6114985	5945087
9.346	6	3	3	1046035	4117550	1600814	1962937	725451.7	1964864	5631565	3183630	5683397
36.30967	7	2	5	105150.1	562991.1	102780.8	387557.2	117043.2	423849	506172.1	644481.9	677121.6
11.17508	10	5	5	750592.2	4399424	1012892	2944026	787109.8	5468824	2996150	5308034	4100441
18.673	5	3	2	42992.54	103122.4	30825.73	147297.5	23768.83	142061.1	86558.39	125803.7	96099.84
9.644783	9	5	4	1418429	5286697	925571.8	3175877	1548460	4966938	5137173	4056501	6551548
42.913	6	4	1	296401.4	3542679	294013.6	3120056	230535.1	3743179	3461953	3464390	3139792
8.816267	5	1	4	274215.3	1357843	766231.4	330670.7	275457.5	1822211	2175886	1570300	222365
12.37287	3	3	0	78587.97	192730.5	39508.24	376778.8	136633.7	222107.1	243530.7	186622.5	152567.8
9.46855	16	5	5	29114702	2.61E+08	57679730	1.44E+08	84565038	3.31E+08	2.91E+08	2.78E+08	1.89E+08
10.9645	9	3	5	513184.6	1432869	179800.1	982110.8	335061.3	1177393	1419220	1440942	1685295
11.27298	10	5	5	313787.6	2059232	274581.9	1350998	528448.6	2003082	1621803	2344156	2209026
11.26983	4	3	1	77872.84	361978.9	93912.54	228532	71846.8	388427.6	209985.7	400553.4	461172.6
9.845483	6	2	4	2302883	10082074	3393359	5557701	1198376	13966876	9053529	13381621	7199084
18.98017	3	3	0	47843752	1.06E+08	1.44E+08	2.98E+08	38644822	1739569	1316346	2.55E+08	2.71E+08
20.63417	3	3	0	132403.5	462662.6	349618.5	930329.3	100433.2	777334.9	105316.6	115998.6	839333.8
10.72028	10	5	5	272248.3	1098699	304132.6	650260.4	262869.9	781090.3	1368993	1279181	754076.6
9.610767	9	4	5	370076.1	972830.5	188390.8	651876.2	217808	1159629	1171049	940401.9	844331.6
10.97857	5	2	3	372527	1020577	216457.4	701410.4	187706	1312818	1145121	964943.9	744637.5
9.190317	4	3	1	286359.1	989655.5	530483.8	275547.4	308782	1045200	543450.3	1757033	1164368
9.3919	5	2	3	1419380	8355388	1985419	4956830	2316253	6640815	9333280	5849647	10386560
10.02372	7	4	3	847003.1	522174.9	393529.7	1535847	761024.1	553043.5	0	1054221	677788.6
9.915583	9	4	5	2622174	8442151	3156481	4220393	1759809	9042385	8781550	13229976	5415816
9.406667	5	2	3	599088.5	4156039	1959884	1563714	817328.8	2455041	2053506	6548055	5678074
9.447733	5	3	2	310283.8	1191038	441375.9	579001.7	314492.6	1855755	1431194	859539.3	956586.5
20.69683	4	0	4	302653.6	412882.9	42851.34	2086781	1236625	415178.5	423270.6	462942.5	344380.1
17.07333	3	0	3	31326.44	37554.24	10195.02	63919.97	19915.06	35474.57	23173.29	51236.46	41546.73
9.445217	10	5	4	1588547	10009544	3261127	5119071	3002926	14677914	11518536	9503653	6141738
9.842	3	3	0	2111864	4087155	3447428	9061443	2876068	9280733	5956260	1199600	2095505
9.976317	10	5	5	1626289	4778887	398946	3779629	756249	5415258	4661233	4798509	4700156
22.944	8	3	4	346836.6	3432415	167547.7	2887448	415952.8	3633697	3411864	3262978	3572677
9.605683	9	3	5	10549683	97230804	18290254	49979149	35912230	1.09E+08	96928182	66624771	1.13E+08

19.38733	9	5	4	43890.5	217981.9	57645.12	140783.3	35635.3	192270.4	261716.9	137184.7	282682
9.636567	6	4	2	292461.7	792714.7	109016.8	533962.2	195485.2	905467.7	766738.7	623642.1	800856.2
18.96567	3	3	0	20656424	50821198	69271719	1.42E+08	25262073	638661.3	364067.9	429367.1	1.17E+08
9.473717	4	1	3	785179.4	3399009	1033128	1676664	1177991	4411608	1686891	3699119	3865996
10.98385	8	5	3	360942.3	1060564	324542.3	1611838	382884.3	965609	1259730	578451.3	1434973
10.31255	4	4	0	117024.2	275513.7	76403.87	154573.3	80313.96	306531.3	267609.7	343896.2	147717.7
8.931783	4	1	3	159248.3	481775.5	153253.9	252967.3	143042.3	406537.1	662926	613794.7	432580.4
9.872917	8	4	4	1576119	6014526	718591.9	3929048	1604555	6906982	5199940	6114540	6463936
43.85633	5	1	3	552481.6	6688104	526113.3	4239079	1876515	6828170	5985147	6537660	7442488
9.522017	10	5	5	726904.1	1820578	343530.9	1318034	307143.4	2252453	2130341	1517569	1629309
20.24533	3	0	3	131047.8	350534.3	49917.65	189302	124307.4	343858.2	389301.3	289471.9	318806.8
9.554967	4	3	1	179545	463898.9	114461.2	220885.3	182633.6	396178	646253.1	482723.8	448678.6
9.568783	6	4	2	343020.8	750841	229167.4	405679.6	219433.3	925069	1025269	744557.9	586746.1
9.587217	5	3	2	214418.7	619019.9	120721.1	867488.5	186144.7	438761.6	771325	602068.8	667054.5
9.960817	12	5	5	5649572	21614765	4435156	12519715	6813270	25708209	16052380	17872535	22915826
9.460217	4	3	1	380539.9	1738258	586063.5	884796	522825.9	2320059	2051363	2023778	865973.7
9.673333	9	5	4	818724.4	2001219	507712.1	1328137	318659.8	2275731	2693233	1539895	1487456
38.3955	10	5	5	1012685	14194229	1792052	11850484	1018555	14889224	15606198	12656129	11929700
9.382183	9	4	4	1559500	4400945	2108637	1661393	523790.1	2653783	7817148	2672135	4241357
31.39267	10	5	5	437721.8	3218514	730175.3	2264261	125977.1	4473076	3043612	2603943	2840615
10.64708	8	5	3	169039.7	408389.8	147456	210077.5	102111.9	360803.7	632421.9	370522.8	230743.8
9.845483	8	4	4	1042830	3645678	321328.7	2757005	689060.3	3795169	4121609	3511538	3512909
36.1655	3	3	0	139412.3	492156.2	205051.6	801558.4	199973.6	464751.7	768740.3	625274.1	292680.4
9.4925	10	4	5	540788.8	3804780	1783812	1495155	913495.8	3035285	4155282	1177648	5813494
9.37735	7	2	4	701961.1	5938984	1369161	3048468	2189881	6999518	5165334	7184920	6407082
9.445217	13	5	5	1019654	11027993	2128162	7890514	1977100	12943632	10662593	11139718	12738621
30.266	4	4	0	140825.7	737100.3	316827.8	1146818	162462	616505.1	967594	1165247	414257.3
9.946367	11	5	5	2273740	6624870	1484684	4532472	1232111	6204673	6438533	5559111	5718643
9.388367	8	2	5	1631857	13756021	5921541	6128855	1751727	20434394	5860312	10004911	18097950
9.388367	4	1	3	549069.3	2403575	712732.9	1330496	695927.7	2555792	2471854	2540222	1244782
9.176533	4	1	3	489035.4	3989778	1192061	2210731	1142539	4546375	1902957	4842221	4506248
42.23683	3	0	3	290614.1	5416129	186463.2	4242217	905497.3	5286278	5268271	5716062	5333799
9.976317	8	5	3	834315.6	1451682	312339.6	2168175	551085.1	1452908	1690873	1827967	1118248
13.43468	5	3	2	193184.1	1272873	474392.9	660769.2	244193.9	1706478	1418008	1623831	1068578
42.74017	12	4	3	342455.7	4636058	1407727	2826717	432921	4850033	3340410	4504080	3592367

9.8445	5	2	3	671220.1	2937607	696052.5	1623826	974112	2056678	3777991	2581572	2782148
9.338567	10	5	5	795513	4553775	654498.6	3298160	935675.4	5559286	4742417	4122882	4480271
9.445217	5	1	4	1356979	12439073	2014305	7297130	3992782	13824166	9293884	11607413	13305564
11.97977	10	5	5	2390541	16278906	2556228	11614879	3425101	20207855	14057095	17485845	14997227
9.3919	4	1	3	2615205	10592930	5219653	3909168	2237799	1698674	10595456	14032737	14579309
18.1515	4	0	4	172983.9	72946.74	32215.66	533575	353156.1	36327.7	40272.59	105384.2	93770.08
10.10223	7	5	2	337265.6	1014761	379241.5	526760.4	193544.3	1240915	1525665	918279	850437.5
9.45945	9	3	5	2143849	13601109	7358525	4176759	2400667	9024963	7252301	8812976	19340306
9.365833	7	5	2	412196.1	1742238	621725.7	865304.7	525016.7	2311294	1216789	2382039	1790011
9.976317	11	5	5	1979047	4943150	1068036	3374327	1000207	4573237	3395648	4849794	5927412
9.473717	9	3	5	1291460	9528557	4271852	4078164	1885708	14584805	8409879	6667353	13315420
9.824233	12	5	5	536793.9	1629629	272091.5	1112056	387208.2	1800225	1649980	1255031	1487540
8.230333	5	3	2	389765.1	15868673	4374086	7665569	6120442	13151999	23077958	11969352	16519573
9.284283	9	5	4	529838.8	2036294	307879.6	1091886	742543.8	2490216	2132168	1653330	1911984
10.01545	3	3	0	146858.5	351807.6	75592.97	193858.7	121168.5	279302.5	349067.9	287489.2	378479.6
9.46265	6	4	2	450779.9	1301388	367135.2	689952.4	436180.9	1370647	1778221	1265463	1342581
15.76082	10	5	5	121243.4	1062122	195649.5	731676.3	238130.2	905072	1076955	1078863	879830.3
9.952017	11	4	4	1189952	1928905	203373.8	1655930	149781.2	2021149	2176958	1942340	1624249
9.379233	7	5	2	649158.1	1934905	248477	931078.2	792611.6	1865637	1847953	1883279	1714530
9.37735	9	4	4	676285.9	5187388	1076490	3256122	1431766	4947680	3826407	4707602	6634576
9.43325	6	3	3	514106.2	3971706	1060740	2545801	787712.4	4777462	5106639	3663150	3909374
42.07867	8	4	3	325461.1	4596242	584056.4	2954187	1298253	4575285	4519531	5035719	3681493
11.63327	10	5	5	454350.9	2518471	543097.2	1525504	741878.8	3216326	1998766	2663221	1938907
39.417	3	0	3	1472266	22721674	1113440	11703966	8596312	22515396	21661926	21705838	24143679
24.62183	5	1	4	441095.9	2069378	455519.9	1245767	613850.7	1367517	2264303	1901493	2554290
9.445217	8	3	5	544801.9	5637272	722762.8	3852353	1405821	6255451	6251435	4504544	5732668
9.406667	10	4	4	1580420	9153538	2252399	6230226	1436482	9758390	6676054	7327261	12347087
9.40325	9	4	4	964372.8	6930455	2117885	4048493	1664603	6142187	5867885	5465690	6520747
19.84017	10	5	5	320609.1	1173783	235088.9	1712046	421955.1	1186401	911071.3	1068242	1154735
9.684583	9	4	5	255529.5	1459553	502319.1	822073.3	267173	2141419	1673500	1530905	862418.3
9.659033	10	5	5	775523	3446523	673651.4	2250811	889602.3	2638336	3155398	3153506	4247935
10.57272	10	5	5	414592.5	1297330	421778.5	732953.3	314290.2	923558.9	1806824	1614793	1304004
9.842	8	5	3	1472099	6487745	1329488	3304394	2511428	7070823	6230030	4334868	6977847
9.544833	9	5	4	781954	1654711	446145.6	1045482	359691.2	1209955	1271475	1622310	1884509
9.445217	8	4	3	1131304	8130675	1655268	4922569	2462326	8218032	7614687	6527832	7406695

9.932033	6	3	3	1338724	2439765	697771.6	1502716	535667.5	2183913	2561181	2532488	3424434
9.392767	8	4	3	885311.7	2707044	944897.8	1416917	766289.2	3354273	2612860	1801646	1819800
12.631	3	0	3	8140619	51671018	4417562	19004190	25857019	55698145	54053438	47588299	46218658
10.0704	12	5	4	1168636	1515468	936987.9	3437143	1497763	3013612	1091866	1516689	1482205
9.4775	8	2	5	3563855	22899476	8772423	10755670	7460889	33014388	18866147	15681470	31728956
9.365833	4	4	0	1397872	2683609	3380220	7632863	3290319	1505473	1368669	952426.9	879916.9
9.9847	6	5	1	1838572	587513.9	314710	4333816	2963217	1147497	476266.3	467455.9	393307
9.824233	3	0	3	1066741	3385360	879666	2107449	844079.8	3054638	3990987	4469762	3215267
10.78937	8	5	3	135064.7	321926.9	96816.84	196789.3	64456.88	316378.9	460887.2	359657.6	268640.9
9.379233	4	3	1	409343.7	961320.1	455307.3	296941.1	441591.8	1157628	152252.8	1135352	1249836
28.6055	3	0	3	513390.4	3757901	167459.1	1449009	1828927	3747143	3661931	3739212	3603091
8.9256	8	5	3	276444.4	868522.7	447767.8	284288.2	313488.3	491119.3	979393.6	710057.4	1596694
9.979667	7	4	3	289636.2	913450.8	255444.9	495398.7	304271.2	621890.6	1233835	977932.7	686736.7
21.25633	3	0	3	81959.9	435099	85446.7	309119.2	85289.94	406954.8	548009.5	499686.8	347407.4
8.94605	4	1	3	362697	764060.8	324955.6	355413.9	184304.3	715871.6	979684.1	971440.2	937431.2
41.7475	3	0	3	1435515	27137020	467260.1	14063452	10389747	27415112	26579272	26698036	27365988
9.43325	5	3	2	1878254	12369515	3365439	8208250	1416960	13563756	15201151	12018439	14339015
9.419733	6	2	3	811643.6	6741705	1527654	3979763	2109865	8205633	5895211	7146198	7932135
11.17508	11	5	5	2540887	14117503	2467612	10214422	2803540	18093640	12391961	14895980	12169603
9.445217	11	5	5	900811.1	5404215	937253.4	3059379	1886518	5451172	6980451	4607754	5150468
9.856867	8	3	5	1762390	8820097	750557.2	6482654	1892921	9208763	8645670	8603978	9827304
11.59415	6	3	3	113116.8	519474.3	190733.8	281158.1	27729.33	775749.4	611675.4	262730.6	498253.2
10.01837	11	5	4	2167079	4609874	641078	3729966	545885.9	4791146	3852014	4051456	4976430
9.43325	6	3	3	399691.8	2149721	426377.8	1472490	489738.2	2741102	2037989	1555165	2157790
23.016	10	5	5	102038.8	339661.9	129052.3	571774.5	177946.7	206291.9	383602.2	461828.6	448671.2
9.952017	6	3	3	769084.6	2231399	647502	1304867	614045.7	2866743	1751129	2537429	1351713
9.61395	10	5	5	634929.6	2683583	439080.8	1997350	492413.2	2169514	3077084	2353693	2642567
9.842	5	5	0	537232	1644102	217830.1	763540.1	715657.5	1864948	1898561	1490701	1461536
9.601917	10	5	5	14478855	59027686	7256040	47246050	8668289	54275687	70420448	53113967	55273916
42.1795	6	4	2	220551.6	3150966	756573.1	2174486	528572.2	4076145	2092508	2765560	3533329
9.365833	4	3	1	298255.4	1285629	308318.4	619761.4	532175.1	1796003	962712.2	1184742	1270260
10.05535	8	5	3	1108227	603867.9	266234.2	2453322	1493522	371249.9	572673.6	732449.7	989886.7
9.328667	6	1	4	2009695	4586895	2782653	1135121	418186.8	7775441	1178127	6366697	5356665
9.445217	11	5	5	1435800	9497580	3143939	5187983	2721639	8911633	8560375	7734207	15001257
40.194	6	3	2	322884.1	4070718	542579.5	3372957	379736.8	4191735	3521492	3495946	4690376

24.5925	10	5	5	4371950	26818846	1475059	31279890	3652263	26987690	28702054	24566692	26784729
10.9645	5	4	1	1568078	2644948	2341523	7470402	3852857	1448610	1759602	1715236	6826206
9.43325	7	2	3	563079.5	3165330	859430.4	1616197	1201468	3887871	2768630	3933500	3355389
10.95835	6	4	2	375882.2	962932.8	288055.9	1604571	518740.4	1053549	1152570	809571.3	541603.8
39.01417	7	2	3	437035.2	5439912	1750665	2786989	1888988	4700674	5827054	4480492	8307280
22.1025	3	0	3	37447232	1.78E+08	17176748	66476120	91235966	1.89E+08	1.97E+08	1.62E+08	1.86E+08
9.840617	3	0	3	2360112	7154346	1151361	5390501	1268315	6421431	8229293	8391426	7010039
9.46265	12	5	4	706600.4	5552580	1087341	3303119	1804089	6761562	5725282	6150462	3884206
9.43325	8	4	4	512496.3	3119940	601698.8	1613852	1231517	3924698	3516092	3048861	2566936
16.50493	4	1	3	42985.92	159062.1	60477.82	85617.81	20929.09	262205.1	128351.3	133747.9	110029.7
10.95835	6	2	4	440416.4	1741347	730228.2	805664.4	515135.7	2266876	1350180	680395	1931840
8.791683	5	3	2	249661.6	841819.3	522945.9	206778.1	174436.5	614446.2	1192403	820760	1466621
9.41815	5	2	3	629022.6	4545905	1350363	2303712	1695088	5509167	4077215	5871611	4804565
8.98945	10	5	5	671268	2566658	199282.3	1661572	744057.1	2814925	2456798	2514959	2324916
9.431017	8	4	4	1222896	2799031	1062868	1506336	261227.2	2676227	1202546	2847603	3106709
9.431017	3	0	3	489256.2	2103224	861162.1	1022273	555427	1999806	1233251	1485395	2373884
10.94208	8	5	3	388543	788203.9	358398.2	1249600	260872	393459.5	469296.4	926707.4	886449.1
9.986767	5	1	4	5379817	17283120	9080673	5851419	5960077	21002775	1923941	18754613	25988911
19.98517	3	0	3	15234069	67779988	26751792	21508549	35668881	27539216	77243787	73504899	60216560
10.98385	5	4	1	59943296	43892009	95442207	2.27E+08	1.46E+08	2.15E+08	925721.1	1327144	1439439
9.314683	4	1	3	931478.1	6774595	2415114	3327109	2347734	8666323	6911042	2628792	7443552
9.379233	12	4	5	2597277	7891113	3975913	13386890	3596027	8395117	3956639	3832709	12857265
9.379233	13	5	5	2552857	8685777	4050839	15591805	5298306	8531705	6184930	3657175	14036531
9.4468	4	3	1	298252.1	1286024	224558.9	709040.2	474855.2	1240910	1408724	1468289	913575.5
10.02372	8	5	3	1492003	792969.4	286174.6	3035666	1836572	790073.7	671355.9	1146016	963330.4
9.84525	5	3	2	454841.7	1289958	395384.9	804033.4	222052.5	1306452	662147.1	1543553	1242317
11.26148	4	3	1	98599.35	216643.5	67794.34	101516.5	88385.65	211393.5	131751.4	318875.7	192913
9.983433	9	4	5	830641.8	1940173	189708.7	1452369	402171.6	2006851	2210573	1715884	1814033
9.4873	3	3	0	466703.3	657992.5	300529.1	247890.5	266218.1	818509.6	974548.2	174021.4	684308.3
10.24195	8	4	4	781878.6	2190374	804863.6	1188196	514245.9	3251172	2717240	2090803	1257624
9.842	8	4	4	1098153	5053275	812385	3081347	1627562	4857731	5099283	4003527	5029054
11.17828	7	4	3	167509.3	434769.5	58645.4	249203.3	154397.5	493244.4	361137.2	493812.7	397545.3
13.24483	10	5	5	313260.7	2100071	364424.2	1655829	197983.4	2690029	2153509	1730510	1907270
9.976317	7	4	3	344699.5	1015030	165736.6	624522.5	322028.3	1221752	959069.7	1139607	804614.1
9.559117	16	5	5	2431044	21079469	5116994	11510565	7626852	26192366	25667438	22001898	15403655

40.64	14	4	2	398715.6	3389827	1000362	4646621	675926.4	4542922	4085343	3128822	3252207
9.929783	5	3	2	1395942	2988277	196472.5	1382451	1325198	3292995	2889717	2801146	2887550
10.7349	4	4	0	149336.7	302035.5	146798.6	124025.9	78255.28	488447.8	410607.1	169135.3	154420.4
9.392767	7	5	2	770182.8	1623106	552201.4	911797.3	418896.8	2361784	1607501	1128459	1059976
9.644783	10	5	5	2465940	8675576	1205525	6152860	2061921	8827947	8684003	8476737	10390122
12.61743	6	2	4	59950.97	375257.9	104372.9	250019.6	47153.18	470052.8	459820.8	224846.1	313906.4
11.26148	5	3	2	56947.36	158787.8	44615.15	71374.34	70717.64	185173.3	136799	197744.2	183613.9
9.896717	5	3	2	5053736	6437796	1594239	3764874	2067522	8763642	4600246	5865310	5755685
11.76832	4	0	3	89420.82	429043.8	56590.86	206445.3	186143.2	410784.5	374672.2	404991.2	431190.2
12.25275	10	5	5	376057.6	4112112	479334.4	2580194	1283280	3697860	3625272	4012925	4599808
10.93415	5	1	4	236637.1	672383.4	243017.4	359353.6	186330	403002.9	990200.1	454151.3	739733
44.9835	9	4	5	188542.8	1070059	94415.59	1206118	96155.08	1175066	948382	1029137	1041878
9.311883	5	1	3	856854.8	5376593	1828950	2596786	2051063	7080693	2856196	6813568	6032265
9.16125	6	4	2	368130.5	1746701	382567.8	1052707	553985.4	1796861	1751918	1363356	2347808
8.926833	5	4	1	30180326	20213073	43612660	1.06E+08	70011034	715838.9	604336.9	425178.5	1091459
8.911617	9	5	4	1199237	3035305	1588094	1122884	831274.5	2171534	3128135	1835186	5745744
10.31835	4	3	1	98089.14	364646	96992.59	220145.7	105400.2	298248.5	536236.4	327007.9	324547.7
9.94455	4	3	1	718619.1	1528775	615584.9	2459099	687149.4	1188534	1125156	1012002	2455281
24.60717	5	3	2	110677	193267.6	69837.5	277703.2	39368.12	295107.9	233710.5	125691.4	147402
9.392767	6	2	4	1616543	10763265	4098630	5661549	2790055	13556829	8452394	8261004	16555846
20.274	3	0	3	320574.6	1596794	197150.7	708514.9	747577.2	1830857	1792927	1447477	1440892
9.644783	10	5	5	4697140	20074367	2535978	13749177	5313652	22335587	19944582	17680814	22928598
12.41195	4	1	3	74276.63	323688.2	72690.58	214894.4	80258.19	438168.6	339862.9	290060.5	244107.6
9.960467	8	5	3	846699.9	1052467	317279.3	1950401	758672.3	1398098	1307440	1094767	800802.5
15.31398	10	5	5	125229.5	849007.4	204983.8	605952.8	92893.49	854643.7	1144326	756958.9	585596.9
42.43817	6	3	3	423526.5	6709375	1121394	5384755	349245.8	7968316	5872415	7905701	5944979
9.473733	9	5	4	786730	2407405	247863.2	1543328	733233.9	2413812	2353901	2040737	2721046
9.343517	6	2	4	655831.1	5235741	3167138	1461775	305561.5	8976117	2974289	1357409	7680124
42.40917	5	2	3	387781.1	6248348	1599795	4354856	330592	7361573	5320288	8513943	5042626
30.31	7	2	5	307562.6	2426269	1500894	652439.4	336400.3	791334.9	3366267	782161.6	3507822
9.8322	4	3	1	474175.2	1103055	353492.8	447508.8	533498.6	1602068	1228917	1038082	630741.3
9.928667	7	4	3	1254602	3373905	391554.1	2162360	1030684	3705608	2923266	3362403	3057341
9.568567	20	5	5	7729703	62549197	12526897	37892002	20342838	54245834	75576364	75957870	48747254
9.88815	6	4	2	4311007	5185379	5253677	14572445	7583049	2930702	2335890	3669678	2454094
12.25275	10	5	5	473956.3	4990337	682801.8	3200340	1519711	4492712	4083257	5231004	5744162

10.94443	5	2	3	165498.5	371080.8	88647.87	615049.6	207466.1	461070.9	270151.8	462048.6	302157.5
10.33625	9	4	5	499362	980173.2	470075.8	429009.3	140139.4	1678021	1255665	613933.3	640701.2
10.32122	7	4	3	386515.7	1207647	547701.7	563316.1	117263.9	1936657	1649335	745620.5	787019.1
9.43325	7	5	2	463777.9	3355041	1552042	1538975	562884.2	4571483	2438769	5104384	3368456
18.23183	9	4	5	1340039	8061154	5725692	1318133	1030962	11499899	1426067	11527306	13549160
19.09717	10	5	5	329988.9	1839482	378223.2	1356189	298895.9	1832277	2062412	1300016	1702158
9.952017	10	5	5	2145454	5022126	555699.1	3000070	1729424	5651567	5533580	4939893	4421104
9.77345	4	3	1	519487.1	925611.5	76084.96	534491.3	333640.3	880409.3	924118.7	957137.5	833192.9
12.25173	11	5	5	739602.3	5102521	738261.1	3738546	1118316	6243538	4608234	5427046	4785562
9.421167	5	1	4	3413078	15868127	6510367	6494451	6851456	22486881	4985874	18186225	16695397
31.379	10	5	5	2672928	59725591	2331075	56614959	2091741	56041208	58900761	61154891	61854951
10.61757	5	4	1	110364.9	399956.5	109978.6	254548.7	96518.77	390594.1	390706.1	349521.1	287374.4
9.596017	10	5	5	495340.5	1971202	455668.1	1407714	322849.9	1690871	2345950	1347045	2034049
9.673333	10	5	5	2674467	7894109	1789384	5578529	1483698	8962965	10351929	5864716	6706783
7.348883	7	4	3	826768.6	23773988	15366192	5881862	5446003	46527650	9768859	25303471	28001106
28.19967	3	3	0	130095.5	196620	103894.2	341597.4	103290.1	138411	122179.6	277904.8	107585.4
21.77067	5	2	3	39659.66	167804.8	38247.57	120687.5	26805.76	143618.6	204807.4	120730.8	161539.2
11.27298	9	5	4	201070.6	637891.7	271953	297611.8	203450.3	566096	354138.8	611549	1090131
9.994767	8	5	3	261968.5	477243.9	121184.5	730868.2	213656.8	540497.6	570857.1	565516.8	418468.3
9.659033	10	5	5	1083175	4094794	839264.5	2916460	847344.9	3710631	3858377	3681176	5588653
9.684583	5	3	2	206327	814611.6	337485.1	410236.6	206989.8	1263470	750430	431381	586814.7
11.287	4	3	1	135411.4	422696.7	205664.3	183960.2	54952.67	713134.3	517286.9	378535.7	163256
37.40283	6	4	2	367412.4	6196975	735442.9	5342059	167863.2	5663694	5247076	7092468	6457564
9.541433	9	2	4	4958916	26028155	6696783	15509175	8221450	32854960	22968166	22939072	33227415
15.99403	10	5	5	1088265	11279426	1269395	9062399	1806520	13170596	11269505	9638319	10888464
39.82	7	3	4	357894.1	6308980	525363.7	5022504	1102931	6651802	6472181	5413213	6705741
10.7349	7	4	3	290403.9	773623.1	428001.2	275359.2	72162.44	1370965	1073150	554983.5	369680
11.17508	9	4	5	548827.8	3148273	783166.5	1807588	1087896	4181154	2466114	3405516	2265399
37.48917	3	3	0	493647.1	8574017	297431.4	8072194	405330.6	8765485	8258663	8511220	8980715
9.9677	10	5	5	2195810	7342234	1560460	5036317	1744068	7495506	6639139	6311812	6273330
10.13878	8	4	4	536358.9	1689417	366322.3	1202353	332414.8	1406454	2065440	1888052	1885115
9.8887	5	1	4	1116893	6252781	2754132	3061765	1188616	6624190	1716754	9039897	7616334
9.4159	4	1	3	5345196	25352713	6987078	13030406	10122834	28313317	12930738	28804377	27300645
7.252767	8	5	3	775423.3	9052429	1536822	5906740	2664220	10089486	9357249	7284526	7674428
9.445217	11	4	5	2864609	12103944	3675335	7264404	3278530	8035620	11583978	10293523	12708943

9.983433	10	5	5	1146131	3819360	328711.3	2994586	712305.7	4140870	3308706	3815980	3758264
41.22983	7	3	2	320844.9	4272909	968964.9	3061754	745700.5	5695796	3836151	4844198	3517185
9.445217	13	5	5	4324550	28299265	5516642	19764079	6674926	33803775	30490119	27044787	19407946
26.78117	9	5	4	630543	2079878	998791.2	3971628	1584556	3709728	1404686	1143094	2058375
22.799	8	5	3	795260.6	21077013	7272692	12710476	2309619	21689932	16267710	24436723	30887515
9.976317	5	4	1	860182.9	2367417	442264.3	1663349	559229.6	2082891	1776263	2410445	2825367
9.992233	4	3	1	759964.5	1061453	448506.7	1633130	368379.2	800645.9	599788.2	887257.4	1723244
9.914217	5	4	1	1632664	2607836	741548.7	4787840	1895112	3438158	2039798	3306075	2473000
9.43325	6	4	2	382708	2165011	823739	1133011	641870.5	1567675	3530303	1736454	2350342
10.97857	7	5	2	937530.2	575628.9	138992.1	3072499	2149708	651624.1	478051.4	456844.8	783684.4
20.3895	7	4	3	88358.93	422336.5	113299.8	279052.7	91159.16	249960.5	535267.9	371485.4	467188.1
25.20167	3	3	0	97092.65	370576.4	126172.3	520509.8	78614.81	472365.7	340715.1	529675.4	240471.3
11	10	5	5	1460591	5324667	1618034	3107621	1591411	6278897	7113779	4183831	3149524
9.848417	7	3	4	1463511	4435035	1645480	2523741	849492.3	4859273	2113114	4046749	6695053
10.99268	4	3	1	296975	1198545	273120.4	851272.3	224907.4	876939.5	1275186	967681.2	1330231
8.960667	10	5	5	1173812	3957727	592852.6	3020863	745457.7	3580875	4532777	3984834	3171620
8.803133	9	5	4	743846.2	12892887	2590620	9731803	1856795	9385744	16641990	12498860	13370542
9.6501	10	5	5	757879	4704047	922967	3388252	984179	5491272	5230693	4829899	3130326
9.858833	8	4	4	1561998	9256740	1158078	6914471	1997573	8923310	9023666	7816853	9513947
9.40325	10	5	5	3567146	15842964	3825561	11267961	2524870	15791954	13988106	11190453	16678330
6.882217	9	5	4	1509010	98245334	26364722	67741830	13545150	1.31E+08	84721086	78731229	74555180
9.999217	7	4	3	1064929	1082078	601799.7	2195237	935527.6	1175298	498215.1	2047773	1008357
9.920517	5	2	3	1369736	2542375	756655.7	1588924	611971.8	3317995	3281523	2091746	2442115
10.43932	7	4	2	152906.4	404665.3	107804.6	274314.4	75211.78	455354.6	533811.9	319449.2	445391.7
28.1855	3	3	0	22130550	48943350	67707729	1.28E+08	37667312	521295.1	1.4E+08	324408.5	1.03E+08
11.05325	8	5	3	952055.6	5812930	962727.7	4500948	945728.4	7288636	4983663	6179492	4994554
9.445217	13	5	4	849341.8	5381696	646597.2	4333432	847888.8	5192955	5786964	6243033	4569188
9.932033	3	0	3	4092827	9074441	2303640	5516962	2816091	9250955	11846991	10740648	6564025
9.388367	5	3	1	963115.1	4596496	1651912	2618855	1106580	4399310	3545573	3280338	7420046
9.609367	4	3	1	189677.5	490707.7	152760.4	254912.9	186672.8	477713.5	706191.8	422601.4	294922.1
9.82645	7	4	3	1911378	5410923	2040787	3036601	1137541	2869062	6392504	6235471	7813999
27.09967	9	5	4	322481.5	1145618	391290.3	2309043	1020901	1351178	904378.1	755028	1725200
9.3735	5	2	3	389856.5	3420101	776798.6	1833446	1360877	4172800	2956159	2409116	4198928
10.95055	5	4	1	241673.9	623028.3	137884.7	368983.8	213974.2	726224.8	782770.3	553773.6	435829.2
9.447733	14	5	5	4145740	45604631	7813877	34021501	8975525	56060808	44045359	51045762	38250923



9.40325	4	1	3	2734489	14995098	5611777	8348861	3576048	15618673	11326941	12784054	24457544
10.76405	10	5	5	598044.5	2434985	631734.3	1673032	442257.3	3368688	2534293	2460198	1628263
9.673333	9	5	4	806842.1	2280797	477049.1	1521729	611558.8	2468152	2416925	1792788	2913053
10.94208	8	3	5	333006.8	1106089	571545.2	457089.6	178990.1	1249472	928662.6	721732.9	601369.6
11.0035	3	3	0	665305.1	1662964	1610389	3504414	752422.6	3726351	563017.9	3061457	765565.1
9.554967	5	3	2	218576.4	434030.6	74446.59	168119.5	234668.4	375244.3	553024.4	377369.6	406401.4
9.62555	9	2	5	16238832	1.52E+08	1.21E+08	13505044	7808452	2.64E+08	2.19E+08	23056700	2.38E+08
9.77355	10	5	5	1441237	4529559	762138.6	2894616	1419485	4155124	5515134	5053939	4344016
8.981583	5	2	3	426625.7	713512.5	427073.4	230231.8	145553.5	956296.2	1317868	280189.2	633068
44.9835	7	2	3	533962.8	3301918	436443.3	1843217	1291116	2959297	2840574	3197978	3822039
10.03947	3	3	0	1773105	2126605	1410145	5194629	2672385	1541366	1290993	1527213	1634510
13.83868	10	5	5	235880.5	1806048	212101.1	1345831	400851	1493461	1950278	1695027	1874732
37.6905	5	2	3	325146.3	3562860	1792522	5693521	1206376	5067144	4626059	4631778	2667963
9.38065	6	1	4	1777047	10516944	3469802	5629393	3692826	12616595	10645307	4477863	12437718
9.419733	7	5	1	815728.3	1457320	905804.5	3407119	1698849	1141783	3028193	1283325	693268.1
10.24195	5	3	2	219823.8	618446.4	312269.9	265421.1	71442.37	998564	881496.7	546108.4	268965.5
10.16453	3	3	0	1254975	1125410	762664.6	2496945	1162109	855926.3	669560.7	1749665	2084631
9.473733	10	5	5	4879772	14224102	2114730	11726316	1395624	15515379	13829017	11502945	13266438
9.431017	9	4	3	704846.5	4929721	1324997	3314256	999547.7	6064727	6322743	3352912	3800281
9.56645	20	5	5	6550813	48097501	10010533	28907063	16498756	58074962	56589213	48366559	33553873
10.97857	10	5	5	945535.4	3687395	707497.9	2508527	979913.1	3314179	4433134	2785306	4372186
43.27233	6	4	1	723493.3	6683560	4335637	11761018	2761084	14081888	3400730	3695583	5879902
10.6311	7	4	3	163920.2	665386.8	153927.6	477625.3	117252.5	713673.4	817027.2	665667.9	408109.8
9.473717	10	5	5	2049006	6796242	1108865	5496429	712315.6	6549171	7702420	5345650	6292352
9.284283	8	5	3	534291	1802889	208771.4	1156170	575772.7	1924240	2070347	1813175	1538775
9.4468	6	2	4	559625.9	3463109	1794711	1440744	340011.1	5013660	2246362	3716319	5262789
10.25713	5	4	1	266688	609434.2	341007.1	225259.8	150642.5	1199834	485903.5	556999.6	322579.1
9.553017	9	3	5	15848287	82184959	46162810	28694947	27991430	1.32E+08	23273911	90661402	1.18E+08
44.52367	6	1	3	391581.5	5257510	308420.7	4334617	823366.2	5577941	4868864	4995161	5382121
44.03467	7	3	2	405325.9	4592872	1394152	6390742	1256762	2930367	5657766	5970169	3287657
26.07167	5	2	3	76890.95	253423.4	41197.91	171033.5	71803.59	227462.8	320659	218381.5	263481.3
9.691583	4	3	1	223503.5	533313.9	149971.6	303344.9	186067.8	481161.6	790662.5	428443.5	533087
15.10643	7	2	5	56905.25	366967.2	91066.7	240777.9	95671.56	300763.3	498404.6	329907.8	283082.1
16.14095	7	4	3	63361.8	408124.4	82768.64	286420.7	96396.24	451947.7	431757.7	373474.6	284053
11.13665	4	1	3	206174.4	496638.8	271755.1	192886.1	67439.89	868216	662894.6	250665.1	235386.3

10.94443	4	1	3	317656.4	213504.6	236392.6	564009.9	279058	174899.6	616666.3	0	102598.1
9.018167	8	4	4	450203.3	1246743	331536.3	848100.3	244769	1196497	1570964	1065935	816108.2
9.56645	19	5	5	16400841	1.43E+08	29121707	1.04E+08	29362360	1.79E+08	1.53E+08	1.51E+08	1E+08
9.40325	7	2	5	12582149	68213372	52951421	8732254	2896720	8060857	13543169	1.07E+08	1.17E+08
44.03467	9	2	5	282346.9	4746386	959341	3410924	1022126	3966321	4327938	4652988	6405875
9.45135	13	4	5	2744914	21329265	6054800	10411124	9385271	28977486	23129409	24151890	16102278
9.82645	4	3	1	485189.2	1039140	283518.7	564085.7	400489	979952.2	1423775	679863.3	913872.5
9.41815	3	0	3	1145171	3276263	473555.3	2388694	769824.7	3659777	2468076	3317345	3571767
43.6465	6	3	3	1072224	15424783	521163.5	14634510	641226.8	14996669	14836763	16140221	15562179
38.453	6	1	4	446207.6	7845012	310423.8	5919827	1726709	7558590	7809807	7771453	7711940
38.87017	10	5	5	681246.6	20669439	8134823	11603267	1346889	10889529	12755835	26969955	27323253
28.72267	7	2	5	408552.2	2945400	2181462	515767	382982.5	696435.4	421976.7	4578881	4428327
10.30302	6	5	1	233085.8	531102.1	327636.3	167101.7	69236.44	1048167	606812.8	275325.8	232049.5
44.98333	5	4	1	635164.9	4879590	3865230	9430734	2692294	2867885	11070176	1804244	2414310
9.8445	3	0	3	922297.8	2466402	768994.2	1474647	709346.8	1704016	1833500	3263064	3299459
9.960467	12	5	5	2917758	9243727	1677494	7381933	690019.5	10375987	10587793	8062909	6873488
20.17333	10	5	5	263189.8	1761418	383492.1	1275808	339046.5	1952248	2045504	1124391	1680920
9.473717	5	4	1	288204.3	950010.2	450218.8	412158.1	334679.2	552824.6	617252.9	840153	1071914
9.842	9	5	4	824668.1	3448103	358616.8	2120628	1200859	3831529	3401863	2870369	3604173
23.806	10	5	5	542619	4088804	572363.4	3124716	820154.4	4437778	4567709	3875194	3179600
10.35132	9	4	5	347899.2	1703419	648991.5	890052.9	559687.7	2529148	762348.3	1781641	1486914
44.72467	6	3	3	359729.2	3277267	54266.89	3550293	246707.1	3227942	3321584	3306416	3209333
22.9005	10	5	5	156599.9	901971.4	193002.2	640171.2	198479.8	811874.2	1185554	1015279	765360.6
10.0614	9	5	4	718550.3	1609631	462497.6	2147403	308437.6	1437688	2331793	1731946	1451440
28.0545	7	5	2	315066.3	569553.4	101132	2259503	1520020	716786.9	602097.9	442862.4	524113.9
9.95825	11	5	4	2606682	8321501	3145940	4597259	2279217	8128106	7523225	6520320	5732401
42.76917	8	3	1	310251.9	3975522	555463.8	3361015	240492.9	3534545	3558194	3766549	4153968
9.43325	9	5	3	1121347	8986769	1230127	6914725	1772133	10735870	9589917	8893303	8044346
9.770733	3	3	0	5526660	5054011	4829766	11863372	5358372	9898513	1691945	1458623	10767457
20.18783	10	5	5	359896.8	1612564	439241.8	1111385	269304.4	1724325	1977713	932504.5	1446937
12.2597	10	5	5	151110.9	728224.4	118104	547176.5	149799.6	637655.4	832543.1	622145.1	671447.6
9.398583	4	1	3	13816060	72429124	42132612	22899748	30132310	98341729	1E+08	94250670	668468.9
9.38595	3	0	3	2255056	11444509	1240510	5312539	5577155	13029361	9880125	12222223	11414892
9.949233	7	4	3	2014196	2256359	1595127	4344379	1543930	1862051	4761424	2774145	1052026
31.28017	10	5	5	1053032	22340930	1264336	19449851	2608126	23080196	21597276	22909898	20507585

9.45945	7	3	4	746001.3	3397406	1099770	1964562	1057168	3971512	2309890	4016073	2132878
9.38665	4	1	3	6305556	51352527	28658400	17604066	20927560	71731938	1953611	66710891	51096149
11.60568	8	4	4	109171	691581.2	160873.5	361805.7	295140.8	944957.6	553805.3	669958.8	556683.5
9.498117	3	3	0	251603.9	392192.5	243413.4	124682.5	105766.2	580851	609996.9	390197.2	379917.5
9.8445	4	1	3	2206709	7226146	2228943	3771064	2892658	8859252	3718569	7069937	7054814
41.3735	12	3	5	512034	9931095	4103151	5426592	1756804	9120519	4986878	8709511	10554509
9.859983	8	4	4	590418.8	2449696	690455.6	1464023	791641.3	2145380	1577519	2401335	3450158
9.986767	15	5	5	61054188	1.47E+08	40485972	88646681	46632826	1.9E+08	1.44E+08	83414130	1.43E+08
11.58417	4	3	1	108945.6	209748.9	109948.3	88337.89	54060.01	336650.4	232258.8	286932.1	88901.05
9.859983	7	4	3	918127.6	3011678	542217.6	1928772	969180.8	3276552	2846847	3701262	2998565
9.43325	7	4	3	609879.6	3558419	1702933	1701238	649273.7	6045547	3052908	2462831	4450647
9.3919	11	5	4	744667.8	4562010	1388591	2503919	1695581	4673015	4741221	4353197	6473406
10.16453	7	5	2	831068.8	2373751	998645.4	1287038	293377.2	2938491	3859984	1517114	1692000
9.644783	10	5	5	1289787	4756064	952791.8	3278458	1244049	5484989	5576116	3406343	4115217
44.07783	3	3	0	1641377	9105579	10247875	20309667	980743.4	1407014	19610127	2109224	21017428
9.8322	9	5	4	1244335	6328755	797368.7	4970728	1181948	5707455	5436998	7105185	7190926
9.488133	15	5	5	1354742	11728284	2163785	8817725	2250104	14226972	12834754	12246952	8550989
8.9256	7	5	2	580869.6	1423817	765875	577861.1	394724.9	629322.2	1722668	892571.6	2576109
11.27298	9	5	4	423516.8	1638351	484347.4	970129.6	527556	1576228	1183736	1494147	2463098
9.38065	6	3	2	1971463	9804983	4538047	4853216	1932537	11187146	5525353	7745669	17059578
9.554967	6	4	2	195441.5	421303.9	134599	179441.3	213485.5	635660.1	470343.7	308403.7	341414.2
10.63232	3	3	0	106985.7	276633	126572	138942.1	24566.51	140251.4	483702.6	261484	228463.5
9.559117	7	3	4	454880.4	1033253	394734.8	596030.8	212445.4	1377434	1406148	523865	723608.2
9.346	7	2	4	5723504	15142660	10231727	4040282	2483222	28406240	15188811	21700626	6317561
9.960467	7	4	3	762227.4	2094009	322890	1650253	350588.5	2475584	2253992	2186719	1911216
9.840617	10	5	5	864867.4	3916089	319760.1	3275876	576633	3919478	3751109	3485770	4315493
9.419733	10	5	5	2430438	5838473	1133820	4257456	1262764	5259993	4715846	5411414	6160819
9.976317	7	5	2	2483036	1764142	712397.1	5740912	3666427	1352131	1375502	1733382	3005279
9.3735	5	1	3	1437190	9848527	1708527	5887449	3623927	11487045	7096065	9518379	10933738
21.58033	5	1	3	66619.63	295922.2	78772.59	205746	53247.34	168224.1	367532.8	298546.5	291432.1
43.31583	7	3	3	224511	2762348	637315.2	3975718	1087341	3426141	2230383	3487638	2395851
10.13878	6	3	3	367811.7	458862.2	77662.41	789383.3	305781.3	560239.6	431282	458604.2	494147.1
26.34583	4	1	3	87765.3	323391.9	71894.24	223742	79606.53	272614.5	402175.5	228754.1	375598.4
9.4468	11	5	5	664368.7	4711720	1531383	2344600	2010362	5150971	6823187	5131169	3493480
9.392767	5	4	1	2782658	9589913	2879257	6015286	2557926	10502778	12951534	6644999	6530313

13.25862	9	4	5	91711.76	419349.4	147830.7	248212.3	106042.5	397801.9	415938.1	644159.2	228787.1
16.08187	3	3	0	41185.48	135728.1	20973.14	86899.22	44840.28	129320.9	135888.3	104544.8	149672.6
18.23283	9	5	4	1221605	7493691	5869115	1125742	321274.1	13344157	1605905	9561059	12071409
8.813383	5	4	1	226064.5	930452.5	754700	114193.5	118973.1	360194.4	1096719	666381.3	361001
41.7045	4	1	3	331067.9	5578565	837479.9	4635095	531595.2	5551229	5159354	7020799	5243930
9.445217	14	5	5	615655.6	5285052	1199188	3648520	1298271	6741138	5891154	5688667	4227737
9.3735	5	3	2	758579.5	1118249	459894.7	524793.4	447178.3	1741899	1403513	894305	989016.1
12.27392	6	3	3	82098.68	260073.6	79584.97	144254.8	95970.56	131422.8	236555.8	326462.8	311459.3
42.62533	5	3	1	274475.5	2788803	506188.9	2155634	460580.6	3202595	3462802	2377914	2423126
11.92818	4	1	3	256580.5	1915998	962794.7	725908.3	851914.3	2156165	206058.8	2341475	2440779
11.60763	7	3	4	127528.7	623579.7	150157.1	371868.3	220898	736364.5	498158.9	524590.4	528215.6
16.92483	9	5	4	387679.4	3277344	589976.1	2149560	1017892	2716463	3993380	2754893	3125893
9.40615	4	3	1	617176.9	2982284	1726957	1126196	584318.4	4915243	1080951	1628334	4610573
10.97857	3	3	0	832194.2	2140989	1476693	3904592	1193801	1790650	823032.6	3899574	3468077
10.02372	9	4	4	404268.3	449679.3	200063.4	855220.6	369386.7	521330	101610.5	615876.5	512532.1
10.008	7	5	2	2081471	736337.2	83126.54	3328944	2399602	693478.6	764008.5	808998	612452.2
9.964417	13	5	5	2240795	5019031	1484263	3388833	809942.9	5197811	4626790	4016251	3772272
10.94443	7	4	3	470722.7	608999	442358.5	1618176	929931.3	510336.7	469101.9	1382334	262935.3
8.981583	7	5	2	555513	993494.5	256451.8	701021.4	176596.8	1094596	1346545	702734.7	1034912
9.365833	6	2	3	643705.3	3070716	809456.6	2061165	736102.6	3407512	2824231	3545800	1772846
9.4468	11	4	4	711038.7	6313031	1374006	4514875	1387190	7418014	5359420	6729437	7623921
9.842	7	5	2	1428889	2479028	780804.9	5032682	2384076	2347381	2001791	1799781	2451336
9.445217	14	5	5	3158862	27947536	8170265	18399008	6215826	37010668	32224219	31353707	22291753
9.36565	7	5	2	571484.4	1093901	239609.1	585013.7	467658.5	1274086	1258891	1167891	688566.4
39.2445	6	2	3	392218.9	4144190	279981.2	5121327	913747.1	3686953	4087737	4292762	4406046
9.872917	8	4	4	1155047	4367966	1025247	3212803	674891.9	3294887	3698186	5962704	4600548
10.04033	4	3	1	1261149	3641577	1673995	1851120	402582.6	2704965	2877196	3311831	6603332
9.419733	5	2	3	823723.6	4494609	1691954	2579747	1144515	5555486	5661148	5704975	3667460
10.57323	10	5	5	423123.5	1625439	388573.3	1079194	448416.3	1176201	2123781	1856500	1310482
9.9677	5	1	4	748289.8	1645451	331738.6	1212763	335169.3	1655386	1973949	1885095	1124382
32.97967	3	3	0	337861.9	3859686	386301.9	3447697	126565.5	3361371	3649792	4328327	4147135
39.69033	10	3	3	314210.7	4358782	838967	5656648	1119376	5295026	3549376	4159456	3607177
9.857983	7	4	3	4048369	4672189	2533112	13204941	8007426	2645498	7350873	7405916	3747117
10.39408	5	3	2	246134.4	415864.8	191812.4	211049.4	30513.17	596128.4	648211.8	301967.7	227134.9
39.99283	5	3	2	301037	6173514	1492431	7896288	1106158	6189717	7705757	5411616	7464218

9.43325	11	5	4	777658.1	4414970	1462997	2435370	1588761	5708518	3892242	3638871	6151474
9.999217	7	4	3	950441.9	3464920	665758.2	2295082	1050058	3585307	2706240	3900368	2868968
11.71625	10	5	5	3594509	15635239	5498186	28715925	12184961	13469023	14106725	12286697	25396859
10.58813	5	3	2	96530.07	239972	80216.21	152891.8	42179.05	316879.4	307369.2	118990.2	214656.9
26.42133	7	3	4	99134.59	483713.2	171682	286451.4	125257.8	715922.3	430841	494586	242023.6
10.77503	8	3	5	762315.6	794643.6	304903.8	467809.1	134543.6	932744.5	653806.7	574985.7	545299.6
10.93618	7	2	5	401124.5	1387940	949842.7	374828.1	142350.8	508047.2	419370.4	1563934	1740999
9.40325	6	3	3	478634.7	1327175	420195	878850.9	166418.5	951708	1359079	1569414	877611.3
11.27517	7	4	2	221506.2	419030.5	177160.9	230001.2	21061.26	692088.7	203172.2	369139	384777.8
9.388367	8	3	4	663039.8	6193109	1297037	4238266	1675632	6847732	6287824	7032357	3928173
10.90553	3	0	3	1481207	4568185	1674720	1872544	2369704	3380044	7090348	3005606	3983179
29.155	3	0	3	167095.5	1357897	83525.7	827367.7	498835.6	1414580	1218965	1365488	1430910
17.176	5	0	5	593224.8	227183.9	77104.93	2333593	1975791	193210.3	344310.7	152814.8	181935.6
23.61433	9	4	5	155513.2	587811.2	143721.8	382728.9	171507.1	724577.8	735763.3	440322.8	445507.6
9.976317	9	5	4	1084157	3893061	561191.6	2469356	1337259	3938412	4212112	3507324	3194195
9.568567	15	5	5	1758172	11915649	1847783	8379744	3244385	14241983	12514341	11979164	9114240
9.43325	5	2	3	4262831	28381057	7047729	19730378	6342289	34242298	28650793	27827433	34206179
9.859983	5	2	3	777787.3	3100206	532610.8	2349310	625360.4	3366033	2428355	3470858	3605047
9.379233	7	5	2	548603.1	1383307	357922.6	669785	658667.9	1958937	1367297	1007785	1184333
9.887133	10	5	5	3870021	22417339	1203858	16744608	5361857	21225904	22291306	22267828	21873463
17.00133	10	5	5	94093.3	930687.9	169305.5	703885.3	182698.8	1038070	683231.4	1059239	823977.2
9.473717	5	2	3	1222787	8200842	1239050	5018861	2996989	9450170	6358677	7554179	8809708
36.92883	6	3	3	1144786	22814441	506188.5	21838739	897845.2	23251850	22831000	23282188	22045574
9.365833	5	3	2	3556033	13680817	2795690	10023441	2888741	10717628	12180056	16727378	16619391
9.379233	5	4	1	337471.2	670530.3	233321.5	278209.1	351452.2	873423.4	817935.7	668669.6	279339.1
9.856867	6	3	3	638068.3	1439216	688570.9	2388603	781599.7	1385045	479719.3	1554042	2415803
9.994767	6	4	2	1631233	817311.8	444355.8	2103678	1216466	1546469	915568.6	656047.5	501546.1
9.3735	10	5	5	2887722	10395008	1472477	8185776	1905420	10249850	10446628	8087189	12064584
9.93625	8	4	4	2406474	5844142	933549.5	4519591	1111713	6746198	4604286	6553955	5128004
13.46332	3	3	0	72718.69	320617.8	181582.9	599676.8	243297.8	154131.8	438696	409740.4	98446.65
10.00098	5	3	2	232014.2	609075.2	129856.7	298419.3	292343.2	440624.6	731236.5	589761.1	537888.8
8.97505	9	3	5	372739.5	1016819	280755	671933.7	255208.3	1006402	1479603	763920.3	1009725
9.379233	7	5	2	3149360	2586075	1602571	12960395	9825789	2752527	1108268	1259018	2717929
9.379233	9	5	4	638722.8	2061149	347007.3	1154664	856726.7	2382443	1551025	2119633	1895798
9.94455	6	4	2	1457391	2048759	1249470	3562281	1098906	1538911	1352467	1676311	1403611

10.14893	4	3	1	180704.4	361847.9	94114.95	224446.6	117298.5	300682.6	511999.9	268232.3	377746.7
12.61693	3	0	3	67030.84	486941.8	40303.16	309778.2	168233.7	545690.2	454318.9	449205.2	477090
9.799767	3	3	0	2994104	5298040	2210412	9368237	3731555	4759805	5093820	8528304	5739823
9.842	10	5	5	631448.8	2558759	486735.3	2034894	259437.7	2196967	1901760	2742742	2938732
9.858833	10	5	5	17070030	89804898	7676926	73979778	14739788	77643347	88138131	97268983	90854524
9.379233	8	5	3	642277.5	1839184	267524.7	1092160	708010.7	2138430	1890063	1616902	1513959
9.445217	14	5	5	1283165	11344005	2070608	8317812	2588678	13622487	12385654	11869156	8155607
9.508883	16	5	5	1415287	9399804	1996925	5476626	3637533	11330991	11139570	9265722	6422680
10.47023	3	0	3	75942.81	53984.51	48479.49	119639.8	53728.5	32222.22	99321.39	27384.54	0
9.45945	10	5	4	805615.3	5382582	1597447	2442974	2701144	6355246	7658274	4863708	3807806
24.59417	10	5	5	923158.6	4496474	385404.9	5524114	974784.2	4540418	5097005	4067471	4278463
15.16133	8	5	3	924920	610029.5	582686.2	5927292	5045186	890057.8	258361.2	1502950	95831.99
9.40325	5	1	4	449562	4328953	866940.5	2991958	1173426	5341655	4046683	4682695	4557661
10.4842	7	4	3	260562.7	745174.9	188397.4	534604.3	129079.5	518532.5	1033301	660235.1	764013
9.445217	13	5	5	1107160	10189207	2008021	7011618	2820346	12043098	11962779	10562222	7350796
9.929783	5	3	2	804540.9	1428994	363542.6	682057.5	699264	1672891	1559897	1591296	1535576
9.445217	13	5	4	740411.5	6191471	1098713	4269793	1755111	7742671	6610121	6056610	4751766
11.87742	7	5	2	62239.48	232034.5	113516.5	417025.9	165992.9	228374.4	399329.8	275494.5	118243
31.45017	10	5	5	1184742	9991132	1640160	8237281	867745.5	12824449	8951566	8776226	9636198
9.960467	5	2	3	1264705	3062426	761505.1	1973099	928620	3526378	3096907	3850735	1847287
9.554967	8	5	3	443817.5	1057445	213035.3	583864.4	447063.2	1077715	1416748	905632.4	904560.2
43.30133	4	3	1	396224.3	6727410	1793217	4831288	833220.5	7582506	5397511	5405296	9496730
9.46265	11	4	4	592707	5391043	1161715	3607012	1571411	6861261	5314855	3615232	5533991
43.53133	6	3	2	313915.1	6496814	1448505	4821322	1141477	6634196	6110247	8876227	5048413
10.91813	6	2	4	268355	698156.6	404251	275630	92565.15	760223.7	1362682	429777.1	344105.5
17.8785	5	0	5	720337.1	199017.9	41201.63	2784404	2462242	259053.2	217271.6	152399.6	173746.2
10.3771	6	4	1	6.8E+08	6.76E+08	1.48E+09	2.61E+09	1.56E+09	28698207	6336985	19060131	3.32E+09
37.71917	10	5	5	2377288	38495304	2628117	35548759	1861396	43037512	36985982	36581295	38398969
19.37283	5	3	2	57709.29	320551.8	135129.1	179378.3	45803	403592.8	468497.3	290821.2	327441.2
9.559567	14	5	5	5978576	53920936	18223254	34088064	11175596	59017063	44370139	54989849	31075216
13.47807	4	1	3	24439	62887.48	29308.53	99187.76	27661.04	95628.81	57115.54	34668.99	35821
9.992233	7	5	2	1093621	859887.3	330265.6	2080264	1169442	611284.4	1304417	1125313	626241.8
9.061	9	5	4	738276.9	2207892	414600	1525942	616765.7	2683293	2045243	2603943	1737186
9.365833	4	3	1	438392.1	2255314	849418.2	1226825	764502.1	3224684	3125946	1660186	1460637
9.976317	10	5	5	4409960	13228328	1282083	11003913	2039706	15437412	12825820	13156732	12467328

9.531467	3	3	0	176590.2	344136.6	200829.6	134922.8	65595.21	519538.3	442191.5	376178.2	382774.9
10.29105	6	3	3	172181.4	572109.8	63916.25	461198.8	101841	596850	602130.2	578628.9	621805.8
9.9677	7	4	3	894117.9	1973412	473207.3	1067905	847105.4	2480951	2174925	1890858	2104252
9.475667	12	5	5	1909769	5238402	2967861	9102081	3123806	3110539	9938356	6097729	2525277
9.40325	6	3	3	360287.6	2395335	870896.7	1424654	613763.9	2876506	1218564	3230223	2921843
9.56645	8	2	5	3156537	11748356	8308837	3120855	1969989	19225097	3692181	1866393	15760482
20.62117	3	0	3	79939.16	290543.1	40059.08	541778.2	241722.7	285467.7	291853.1	354745.9	275209
9.636567	4	3	1	154365.8	368564.1	152636.5	195927.7	114190.1	404748.3	114661.9	430021.3	522292.8
18.263	3	3	0	101141.5	431172.5	250069.4	172073.8	71701.49	782949.5	176326.1	382312.5	577287.6
9.3919	6	2	3	4540199	20382776	6931393	13144933	2999081	26004261	12324911	13545839	23301057
9.009533	6	3	2	384661.5	1528934	992510.3	2842219	1079986	1697167	569481	2644003	2287781
11	10	5	5	767676.4	2866636	546976.5	1995286	785789.3	2328149	2744891	2389691	3340682
10.45545	10	5	5	84062.12	244772.1	68514.12	331942.2	69321.32	339899.1	211210.1	293953.2	194401.3
9.9014	10	5	5	8345916	22733622	7990575	31553622	5456135	24336804	20010086	11587206	33659183
40.05	6	3	3	326443.3	3654923	692351.8	5166744	1439575	4122622	3832138	4071268	3806488
11.73008	7	2	5	122829.7	439510.7	137540.4	660669	200307.8	206796.1	540839.9	428336.5	532690.5
9.952017	10	5	5	8474260	24357536	2418548	19563907	4524174	27730425	26113555	22849356	22314709
10.94443	7	2	5	3210870	10160661	5885056	4067079	1116352	11957416	17582046	4291953	4003804
9.8322	3	3	0	4128154	6553636	7033473	14231890	4583941	1710428	9864042	1820033	1895094
9.45945	5	3	2	370972.7	987622.3	344142.4	603353.8	249303.9	1360510	867590.7	558846.1	1321509
37.79117	4	1	3	380049.5	7917675	1232134	6349269	1256996	10118664	7423553	7426283	7354362
9.848417	9	5	4	1037445	5929690	470685.2	5299980	526068.3	5685486	6004633	5627250	5609572
12.26695	7	4	3	113075.3	454689.6	197504.1	231137.3	150962.7	457405.4	196199.2	371832.1	735821.6
10.02372	10	5	5	280744.7	1160326	164931.2	842482.5	300161.8	1217981	1262029	990067.4	983987.8
9.498117	7	4	3	427549.6	801068	291120.8	2255279	1410998	690126.8	686109.9	1313375	587122.3
10.05535	8	5	3	956252.8	600915	228931	1384424	761422.8	489292.5	592971.6	521181.9	992880.7
8.981583	8	5	3	292594.1	1096419	180116.5	663588.1	417420.9	1111004	1295930	1192604	814074.3
9.960467	4	3	1	445036.8	1113889	103132.7	605716.6	493857.2	1141812	1075899	1016612	1279584
9.93625	10	5	5	13979296	54078935	10444952	38885088	13351734	65740319	58118302	40178296	46499216
9.8322	9	5	4	2486381	7360925	1429313	4540194	2677479	5732155	6549701	9344656	8229950
10.99268	5	4	1	13144583	8568230	15311894	35858244	25521693	1347083	3007494	1857825	711174.1
9.43325	7	2	3	1726713	10209531	3077808	6218265	3270913	12716009	8477581	13308459	10671172
9.979667	7	4	3	440052.7	848725.9	368217.9	1240114	212441.1	1101348	232948.4	1107055	784713.6
8.911617	8	4	4	664134.9	1869392	1053491	747598.4	618032.5	1483513	1723254	1027378	3700117
42.58217	5	4	1	729265.2	4635975	3142174	8333541	2721159	10050346	2642525	2383924	4525306

9.3735	7	2	5	4010310	25425427	21680897	3115047	1818286	1541794	3549565	49006418	40339448
10.9645	5	3	2	959655.6	2512392	464569.9	1797327	645304.4	2403583	3093986	2792300	1860739
10.05535	7	4	3	203261.3	679442.7	83947.57	425938.8	247049.2	663125.5	597886.8	777230.3	602971.7
9.848417	9	5	4	5097255	16389047	3356502	12232904	3278219	17741245	11019245	16029471	20109314
9.915583	7	4	3	7669280	14559131	5218964	24679524	9624710	12932287	17696981	18915497	17114828
9.655117	8	4	4	1450206	8354627	2504302	5342141	2303025	11059723	9562826	6823932	4804578
38.65467	4	3	1	303049.9	4736777	359504	4341740	252785.3	4314765	4844430	4540390	5273478
11.71625	10	5	5	1141584	4035600	1256393	7479164	3356980	3769806	3761889	2910239	6193967
22.92917	3	3	0	60094.6	214477.2	128069.9	348491.2	67487.99	93218	131973.3	370491.8	141872.5
42.59633	8	4	4	345168.1	5415792	1397292	3936853	813574.9	5049203	4844531	4014071	5435062
9.445217	5	2	3	672269.4	4038829	805740.6	2543902	1419388	4958207	2883491	4096393	4573889
11.46817	4	3	1	97620.96	224780.9	73956.48	129248.3	79073.96	297653.9	272872.9	112220.3	192742.3
9.960467	7	4	3	751135.3	1418019	309329.9	925665.3	452588.8	1835825	1266103	1466813	1518751
9.999217	9	3	5	1276552	4293899	2361074	1875504	947891.3	7819715	5222609	1619022	3039209
10.10048	4	3	1	285223.1	975114.6	164932.4	690199.3	267392.8	946223.7	846091.4	954321.7	1258025
9.37735	6	2	4	2317445	12428756	7210921	4966043	3525962	19983487	4935533	19125115	5369363
20.8125	3	3	0	138993.4	493704.9	344686.5	850574.1	169714.3	265519.5	298713.2	817275.8	172370.4
10.17355	9	5	4	442760.3	1178732	612070.8	556090.4	152665.1	1230735	2209269	650283.6	924569.6
21.251	4	1	3	51734	188071.3	37327.41	146104.2	28987.63	136583.5	241850.3	182956.9	189377.1
10.93618	7	4	3	181062.8	746944.6	222897.1	478682.5	207970.1	804788.1	978547.9	539915.6	487230.3
9.928667	7	3	4	930452	2591222	507878.8	1785011	742994.3	3381881	2480707	2347911	2719071
9.365833	7	4	3	1545369	2566077	1550016	6019558	3360918	1535769	2576401	1780026	1694298
9.983433	10	5	5	1809988	3725153	1556266	2122723	739693.3	5639790	5053502	2251956	2329806
9.445217	8	4	4	1241136	7824851	2454188	4572720	2763132	9369037	8051459	8488887	9628292
9.310917	8	5	3	2711599	2348004	1192351	8292442	5868251	1023508	1459625	4088585	2616892
10.9645	10	5	5	1311622	4598310	1122713	3124027	1249429	4958426	6186599	3541511	4814053
9.37735	5	2	3	624883.3	3774110	1773498	1975397	633497.2	5788521	4350637	2671886	1316874
9.538267	10	4	5	2414891	12029351	4215143	6457891	4743717	15359669	11522513	8765786	17197833
11.43992	3	3	0	74168.51	233528.8	46059.1	182809.1	33862.01	293243.9	240816.4	194559	181072.9
9.43325	6	3	3	911525.7	5480879	1824725	3209369	1843139	3226453	5589280	7652532	6792433
10.95835	5	2	3	201462	362121.7	113365.8	613681.5	245696	292853.1	320904.1	270165.8	374004
9.46265	9	4	5	1047669	6378746	1894866	4103800	1779866	5730147	5174982	5872389	5383920
11.39828	7	4	3	128024.9	547734.8	118330.4	382454.6	145944.3	603748.5	644751.5	624730.4	507133.9
9.479567	12	5	4	3050258	5189382	2362027	16186210	10896079	8898616	5044104	5667476	2904235
10.33625	10	5	5	426899	2075021	568001.3	1465128	380003.7	1872002	2660559	2664219	1797916



8.93965	7	5	2	633454	1376433	965967.6	387928.8	453215.1	808090.7	1378248	1110908	3015713
9.983433	11	5	5	883345.9	3211941	1744215	1438225	738955.2	4804232	4421278	993891.8	4161369
8.911617	9	5	4	2410466	6209155	3973774	2195782	1337552	4074804	5666078	3438038	13163718
9.830833	6	2	4	748956.7	2677611	842014.3	1505698	1035358	2129564	4130570	2162502	2278752
10.20467	6	3	2	1885688	2854358	1746779	1094480	349293	1708431	2221153	1916472	5933351
9.952017	10	5	5	5708271	23986948	2467550	20074315	3640221	25857107	22387066	21466124	22942998
9.43325	6	3	3	789576.9	3616434	902091.5	2159482	1362829	4747262	3474355	3852316	3762609
13.78528	8	5	3	118717.3	491250.7	190411.2	960049.2	462334.4	701811.8	243813.9	639556.7	510574.9
9.964417	9	4	4	2191050	5215115	1801151	3199105	1419428	5566070	4257976	8214473	3821671
9.960467	6	5	1	644152.9	1227926	204684.7	711395.1	510256	1527957	949815.1	1216322	1218814
9.983433	10	5	5	1129948	5134344	705692.1	3986533	1076484	5399926	5550707	4784689	4082014
9.431017	5	1	3	2672617	16073968	5152780	9084071	6100518	20205024	7369016	16012550	17247967
9.7038	7	2	5	229865.7	1052647	244880.5	665715	360267.3	1438647	856666.1	1026254	1109357
9.00395	5	4	1	243589.2	546471.1	216374.8	327499.7	88768.27	656523.6	739651.5	351769.5	275360.1
9.392767	10	5	5	1296472	4064241	715247.7	2743400	1273025	4887710	4049157	3485684	3239803
10.57323	8	4	3	407408.2	610063.3	362017	246209.6	62793.8	1098549	890347.2	338860.8	291599.7
11.26148	4	3	1	92923.78	187706.3	82782.73	77260.54	95619.04	161159.6	120247.9	275606.8	275645
9.5021	11	4	5	1510975	12390289	2745946	7339366	4870595	15200798	12757499	14174630	8088246
11	5	2	3	235120.6	774168.8	129792.7	539994.8	225351.2	626643.5	807348.2	649149	882847.5
9.992233	6	4	2	779096.1	809579.4	299497.5	1402511	578159.9	685837	1226497	921532.8	800748.5
9.644783	4	0	4	2917568	12242029	5259480	5416951	5817826	11499785	6806489	8155265	15011006
9.762917	5	3	2	759778.1	1777276	263346.6	1512386	99062.74	1749038	2160421	1853159	1686900
37.00033	3	3	0	3128087	37037126	41143206	78362810	1314687	9086359	6242768	81118289	83039838
9.644783	6	1	5	509789.1	575667.7	230715.8	2340373	1760047	843332.8	641284.7	501385.4	224909.4
9.673333	10	5	5	1294258	3937059	1253317	2577295	903083	4649397	4833684	2196988	4986333
8.93965	10	5	5	654703.3	2994951	469828	2174462	786492.9	3017697	3762161	2672245	2961984
8.981583	5	3	2	264319.8	532211.6	77044.84	340512.6	190387.5	516273.4	531296.8	413181.9	606811.1
11.17508	10	5	5	1595245	9979089	2326126	6315514	3429982	11152395	7871681	9249523	8173739
42.12083	7	4	2	441691.5	6378841	1869427	4485975	850331.5	5059173	5165375	9582916	5673348
9.8374	5	4	1	3067331	3791471	4501318	9974100	5479603	1941782	2076687	1592499	11832723
43.71833	3	3	0	1682916	15954725	18600361	34581518	1227167	2078145	35113974	2590036	37502634
9.328967	4	1	3	722546.8	6387689	752168.5	4372786	2009797	6654314	5304640	7387495	6260508
29.05767	5	2	3	202903.9	1194760	203336.8	883697	289097.6	1307143	1339792	1145170	858830.2
9.445217	8	2	5	805633.6	5358653	1868336	3483836	732484.9	7797333	4028765	6426823	3100473
9.9677	5	1	3	11809328	42627561	24559506	15479496	19061364	53107955	35839599	64480928	56807386

9.41815	8	4	3	451429	2223169	717642	1379356	657951.8	2616436	2617370	2730039	2148459
9.8322	5	2	3	710705.1	1847781	288081	1411793	404112.2	2017119	1837155	2235951	1612797
9.40325	5	1	3	591680.5	4469875	1750488	2325710	1752757	6124069	1768685	5433765	5315017
10.43932	10	5	5	417387.4	1714100	436105	1169878	452829.6	1476317	2372975	1905860	1256796
8.93965	9	5	4	1629988	4100967	2324533	1729341	1200627	2784160	4426019	2835077	8024715
10.37347	4	3	1	187097.1	668123.1	126072.4	454280	204681.2	780565.1	638529.3	515855.3	813429
10.97242	9	4	5	244421.7	948128.1	280443.3	655350.1	172130.7	765465.8	1419752	722581	862027.3
10.58813	8	4	4	1008655	6218115	1360177	4663517	1167015	8302010	6150984	6183426	4489620
9.43325	7	2	3	1401086	9699425	4448029	5035534	2802984	13817981	7014770	13664091	10512913
9.45945	13	5	5	8165952	83850154	25072088	58651753	10788116	91761294	74495305	80719519	51902286
11.39828	4	4	0	242739.2	2771207	1098562	1665917	484145.6	2764690	2051108	2545890	4626470
11.01378	3	0	3	958874.4	4948435	1004731	2509101	2432953	4775565	6286166	3661196	4483292
10.16453	4	3	1	163356	488617.1	111612.4	268118.2	216569.2	613675.3	554863.5	359257.7	382982.9
10.00385	7	4	3	410487.9	1434175	181117.2	1175688	235115.4	1372827	1243410	1363567	1725917
10.58813	8	4	4	441980.5	1049794	693229.5	360690.8	150826.2	2087899	1323491	480977.5	386640.9
9.45945	11	5	5	6476187	83865625	14815617	62766281	19191241	82083340	72350158	70919439	86257923
9.023433	9	5	4	559932.9	1315679	243476.3	857311.4	448124.7	1161302	1495975	1302417	1008910
10.77503	10	5	5	263487.3	895754.9	277290.6	616150.7	131875.6	693971.3	1260209	1090847	843282.9
39.8055	10	3	3	265112.6	2510295	349419	3067138	527758.3	2287559	2455949	2782454	2938036
10.70375	7	3	4	219936.5	768864.7	94940.18	527308.7	242072	680314.7	824413.3	851320.1	836620.4
10.9645	4	3	1	396702	1023658	432240.6	580408.9	242381.8	1664235	868026.3	1257238	658492.1
9.992233	4	3	1	713177.4	1558843	406649.2	2304956	728072.6	1293892	1083383	1456917	1975597
10.95602	7	3	4	310032.3	907832.9	365773.3	545162.6	95218.12	734986.1	754890.3	548788.6	1006855
10.5677	3	3	0	73818.49	140469.5	53594.77	87268.94	18094.57	166386.7	131046.6	203366.5	143327.2
12.41208	9	4	5	360277.4	2715325	832613.5	4181355	1423144	2784585	2264241	2120592	4134777
9.284283	7	4	3	359106.7	1206279	82815.88	789121.5	421290.9	1230672	1221264	1112373	1323847
9.994767	9	5	4	751173.4	891126.7	376071.5	1650600	751266.7	1156806	1217538	1117946	511975.7
10.6411	6	4	2	169259.5	762159.6	409971	1285678	448934.1	652903.4	1411550	335230.9	863645.7
10.01477	9	5	3	3413119	2324017	1128458	6391353	4108569	1568809	1881606	4078099	2786047
9.00395	10	5	5	778500.6	3168210	891525.9	2242591	549180.4	3526543	3751259	2849258	1758022
9.43325	7	2	4	754419.9	5288247	1094427	3187324	2067504	6571969	3798622	5130313	6115544
42.66833	14	1	4	261579.9	2367406	442979.3	3186062	801648.5	2666414	1594821	2646379	2495275
9.174883	4	3	1	447436	1368013	607194.8	613184.1	634112.5	1160049	428278.9	1697750	2006272
9.842	9	5	4	576325.9	2071988	241895.4	1318778	760603.6	2315882	1748485	1927016	2293089
9.419733	5	3	2	582093.1	1429687	720149.2	593063.5	654171.1	2195705	2073599	1314014	449299

9.830833	6	5	1	474510.8	1764672	243877	913373.4	863135.6	2018213	1588947	1665526	1517767
9.979667	4	3	1	269262.3	666499.1	170914.4	332236.8	331089.2	513956.8	559240.5	599766.1	719521.1
9.416767	6	2	4	699403.1	3941038	1005727	2629567	1149713	2288590	3747491	4250720	4678550
9.009533	6	5	1	674368.3	1254534	488835.1	703982.5	413819.9	1243376	1183543	1094129	2044963
9.420133	6	3	2	1332855	6302625	2848197	9288731	1888946	3580306	8153864	8858341	8073744
11.25905	10	5	5	536158.5	2577634	440383.5	1760443	805138.6	2954580	2318237	2986657	2675207
9.43325	7	4	2	430878.5	2870497	690805.4	1913332	870066.1	2015616	3191052	3640791	3228999
9.488133	7	5	2	3218292	5668700	3303586	18794000	13341989	7311320	7531552	274156.6	8429950
22.18783	10	5	5	206610	1156130	278085.4	836487.2	249194.4	913032.9	1494630	883389.2	1093911
9.009533	9	5	4	625435.9	1606754	187166.3	1175454	434281.2	1700857	1717010	1335415	1493200
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9.419733	9	3	5	10662576	61150518	21954483	37132497	17213467	67216250	57320288	66800568	87320195
9.992233	10	5	5	1108425	4506096	753431.2	3442686	978129.5	4959114	5504498	4169731	4357092
9.431017	9	4	5	1023881	10856573	1417192	7691318	3184916	12502023	12019125	9755217	10811144
10.9645	10	5	5	444380.9	2751166	571953.9	2128664	443117.9	3100260	2920970	2132242	2180795
9.842	4	3	1	1381855	1951609	879524.5	3159678	1098772	2211868	1252518	1966441	1057336
11.5404	6	4	2	1448944	487779.2	402914.5	2193442	1740576	230486.3	220634.8	1191517	413505.3
9.392767	9	5	4	1470583	4891188	1264920	3447683	1121150	5777899	5101762	3539600	3656288
9.3919	8	3	4	584156.9	2795318	1000843	1796403	483972.9	2403139	3693965	2992082	1269098
9.636567	4	4	0	362732	644824.1	351517.5	279298.4	228919	838516.3	331247.4	566191.7	1151835
9.8374	3	3	0	3.18E+08	1.21E+09	1.7E+09	2.88E+09	4.39E+08	3.53E+09	2.54E+09	2991979	2105520
21.00683	8	5	3	386811.4	3043704	279107.5	2525230	513764.6	3418557	2743160	2879023	2931474
9.929783	5	3	2	2700147	5776335	980108.2	3522184	2279562	5723846	5200133	5009108	5488202
9.4925	14	5	5	1091201	11420095	3762091	7031702	3524221	9017182	10992407	11952843	7683711
10.03947	9	5	4	257558.1	816550.1	212836.5	588578.6	157925.2	777604.6	1102528	949903.1	564034.9
22.9435	5	4	1	352029.4	1202077	702338.1	2041253	693038.7	986870.8	1377388	1100622	304303.9
9.40325	7	2	5	673436.8	6366021	1590023	3580502	2742163	8393310	4485524	5894450	7575168
10.97857	9	4	4	219023.5	797317.4	285099.6	507607.5	165776.5	460482.2	959002.3	940168.2	526588
9.960467	3	3	0	499045.7	697414	351743.1	312487.1	280932.9	1013033	189353.2	1012139	760012.3
11.01617	3	3	0	1568078	4316420	4145926	8489242	2256173	8637864	8931701	2279842	1508782
11.02063	4	1	3	1018113	4196145	1636102	2253197	1599476	1398087	5528308	4179541	4890701
9.445217	13	5	5	1843654	13778960	3010914	9443781	4060494	16743766	15509146	14886636	9086485
10.5677	8	5	3	191759.7	714714.7	268016.2	452665.5	96526.79	366581.6	1086895	824688.7	590516.1
9.49445	4	3	1	324287.7	444142.9	107405.1	267485.7	172314.7	515375.2	529712.4	472155.6	440854.7
11.1891	4	3	1	91790.77	271449.6	153459.1	121429.3	55691.33	300496.5	522815.2	226914.1	139945.8

11.1891	6	4	2	142177.5	452673.2	284334.2	175529.3	91713.02	864682.3	629639.1	231994.3	214696.1
27.34033	7	4	3	170603.9	417408.2	256288.4	752667.4	300018.5	788839.1	177925	572210.5	308277.8
9.681483	4	3	1	28298606	11397796	15501733	43336119	32277222	2497208	6339800	3422049	38981838
9.43325	5	3	2	259930	1239049	551674.1	624146.8	469894.6	981363.3	2178672	783353.2	1257902
9.379233	7	4	3	353704.7	903718.9	100402.1	464538.8	452513.5	988959.8	899236.8	733377.5	946567.3
20.17333	10	5	5	1661835	12825908	2872390	9593806	2508074	14021675	15232643	8393557	11539330
10.008	7	4	3	362519.9	1218016	135726.1	835309.1	393051.2	1171678	1394385	1183132	1038743
10.19555	4	3	1	234427.6	728004.3	406191.2	310281.3	261416.5	612332.4	417647.6	660188.7	1435211
20.043	3	0	3	284916.5	636811.3	162679.7	337924.6	298577.7	523434.5	520662.1	717775.4	535133
9.659033	5	3	2	1471025	5229047	1273899	3097045	2096365	5048966	5193931	4539889	4011831
9.45945	8	3	3	425786	3325580	1186900	2034373	948599.7	5029037	2838376	3666971	3310338
18.1965	10	5	5	66389.1	353018.3	74133.1	259592.8	81979.61	295129.9	422786.3	379065.6	255421
42.13583	11	4	3	455943.6	4682567	1645512	6353257	995712.5	6832953	3758901	5884200	2775158
9.522017	9	5	4	906596.9	2889813	717390.8	2152745	463547	2949829	3769933	2938881	3023189
9.9014	4	0	4	7465919	14050762	11040407	3367136	2071111	10034223	33722339	9614054	7480096
10.9645	9	4	5	559689	1042245	231835.5	1644228	618935.9	1224969	713914.7	1142884	1241734
9.37735	7	3	3	887501.1	4560284	1370254	3159639	866765.8	6560687	5378813	3363602	3535988
31.26783	10	5	5	619255.6	3915949	1041168	2903326	392772.9	5619972	3525453	2870697	3506669
11.26338	10	5	5	6463158	33393875	5883085	23397179	9889032	39650569	28164972	38654382	33750499
12.26728	6	4	2	82089.27	570888.4	110133.1	378425.9	191389	533888.4	416805.9	555653.6	704798
9.460217	5	4	1	1349149	2510588	3251564	6866938	3984912	1190411	1071202	8324115	1071730
12.49958	5	3	2	623023.9	6423950	806030.2	4874468	1562569	7744851	5814728	6147837	6600952
9.8445	9	5	4	1588087	8319884	518529.5	5801909	2605752	9060744	8043890	7689930	8261047
18.96567	5	1	4	268884.6	1446643	189512.7	1126332	316818.1	1583791	1622561	1183513	1313463
10.11782	4	3	1	1.19E+09	7.01E+08	1.19E+09	2.37E+09	1.57E+09	561828.5	7.6E+08	892519	2586449
9.388367	5	2	3	617678.4	7105614	1154692	5840567	951935.5	8882709	5843367	6496748	7474169
9.536783	9	5	4	417085.2	1018483	337629.2	637778.5	300119.8	1370911	1318517	788007.4	1030639
10.97857	10	5	5	4037010	28803154	5479751	22317074	5430296	26911413	27874190	22743031	37688194
9.379233	7	5	2	449112.7	1170691	383230.5	585062.3	566671.2	1390253	848611.8	874657.3	1003589
9.473733	6	4	1	1198979	2260658	2021661	5340756	2980990	1773086	5819303	1515387	1403260
9.523633	4	1	3	447665.1	1202426	608170.2	569603.4	424809	2062366	1586638	968848.7	813716
41.71883	8	2	3	238228.5	3177489	449099.9	2498084	656194.4	3363301	3749127	3258674	2549339
11.06905	7	5	2	377146.8	1372797	374589.9	895567.2	425845.6	2029756	1131223	1298856	1263549
9.216183	6	5	1	444828.3	1224066	544948.7	628948	447772.6	1773069	601070.6	687104.7	1637684
10.57323	10	5	5	379125.2	1726561	236654	1483210	157414.2	1895990	2023901	1649314	1419833

10.03947	6	4	2	203154.4	567905.8	95691.33	351862	221800.8	422615.6	678881.1	549050.6	621263.2
9.064833	5	3	2	269580.2	761604	469453.1	309818.2	79730.54	1229117	1315466	453112.1	346233.5
36.5825	7	2	3	367847.4	6105114	533141.7	4484487	1681015	6922432	6095503	6062996	6017295
10.9645	5	4	1	313059.1	947094.8	347795.4	571594.4	276975.1	1474015	1126979	654612.7	704816.8
10.008	6	4	2	261470.7	837563.8	151657.7	479412.5	368877.6	694056.6	810628.3	698453.2	951006.3
8.859667	8	3	5	288994.5	3870976	713170.4	5695441	1886164	3281412	4029126	4077188	3090836
10.94443	3	0	3	248145.8	1341143	455549.7	792856	469038.5	1170624	1641300	808472.2	1126743
9.40255	7	2	4	748041.8	4488031	2253446	2263721	1167280	6360449	2270042	1830824	6387889
10.37908	3	3	0	180607.6	398695.4	268419.7	139907.5	93946.67	728885.3	652852.2	200849.4	186195.3
9.3919	3	0	3	330635.8	1530553	917212.5	621219.6	498409.6	2396593	2200311	1976820	500335.7
9.45945	13	5	5	8142568	83073066	25520544	58314284	10739504	92169900	70713639	80670131	51643157
9.952017	10	5	5	2078365	7396994	476377.2	4988692	2510108	8005904	6834325	7527121	7002307
10.97857	5	3	2	289882.2	666994.7	163701.5	883465.7	198555.2	863988.8	635967.3	516665.8	808678.9
9.388367	6	3	3	436936.9	1550177	572148.4	915033.6	495443	1758622	1500907	826254.1	2371069
10.96278	5	3	2	222639.3	724858.9	86085.53	541219.6	188460.4	710742	594241.8	719902.9	823731.7
9.445217	7	4	2	654038.4	4949412	1222787	3562915	1115817	6194631	6042178	4383574	3243066
20.1875	8	4	4	334713.2	1626577	437694.7	1182535	277269.3	1958927	1949184	907553.6	1530688
9.36565	4	3	0	1.74E+08	5.63E+08	7.7E+08	1.3E+09	2.17E+08	4461136	1.29E+09	4715387	1.52E+09
9.460217	7	2	5	841702.6	4558485	2158613	2470567	882322.2	6918962	1925937	5281163	5993376
9.859983	7	4	3	1013439	3022943	716518.9	1750330	1281022	3151099	2442204	3458537	2162523
9.912633	7	4	3	1121914	3081779	2040586	5048674	767591.6	1902630	3797995	3987574	5490375
7.26575	3	3	0	833121.7	20422293	6889762	12889618	5749558	25219104	19667499	20072196	9650010
9.952017	10	5	3	3874045	6280529	1262816	4460695	1739817	5498024	6934016	4952728	5887502
9.840617	8	5	3	1029518	2020897	468207.7	3245868	1272350	1576861	1793685	2789557	2099661
9.328967	6	2	4	1160020	5388488	3855802	1695860	594856.2	1416930	8279013	8595521	7701538
9.972483	10	5	5	1351246	3088632	933310.1	2123369	649938.9	4595785	3340063	2777314	2313353
11.04953	6	2	4	1536181	5176028	2569812	2405229	2066798	2729662	7809583	6639542	6585752
31.2235	9	5	4	211939.2	947636.1	328025	627337.2	158808.1	1505760	743393.5	684478.2	858587.3
9.992233	7	4	3	533642.3	479453.8	278647.1	897406	405722.2	758086.3	47675.72	679448.5	508053.6
9.568567	7	4	2	1225170	2195634	2005347	5449405	3225482	5342749	603750.5	1781431	2813546
9.853633	8	5	3	855949	1667322	639619.7	2634857	942157	1323079	882501.1	1645287	2588564
21.10133	8	4	4	362495.4	1469233	564187.1	906064.2	330382.5	2288778	869536.4	1134984	1775101
9.338567	10	5	4	782842.3	4668111	1111756	3586676	517300.4	5676105	5689776	4145611	4773421
9.928667	8	4	3	794151.8	1449081	444203.1	751596.3	686726.5	2091052	1681995	1368182	1028250
10.00385	8	4	4	313446.2	837160	179832	559877.2	271730.4	627528.4	741336.1	852627.4	851876.1

10.07683	6	3	3	1326650	3684576	2122970	1652091	688394.4	1520862	4644067	3521260	6762502
31.4365	10	5	5	429859.8	3060687	728083.3	2244213	653072	4227222	2884203	2213160	2991832
8.981583	9	5	4	722343.8	2226729	714326.6	1303237	842532.3	2442426	2732141	2239314	1002627
10.57323	9	4	5	927777.9	4487975	1106958	3320186	837828.2	4094481	5580076	2752164	4968070
9.858833	9	4	5	1090942	5138609	581933.9	4124881	1021776	5581629	4443176	4599195	5347133
8.859667	5	2	3	125875.6	710436	291321.9	417607	180164.8	631154.6	1219855	501167.7	652424.5
11.03478	10	5	5	2693619	12039974	1866640	9649311	2170197	14428977	12785234	10135459	10142269
9.30295	7	3	4	611072.1	1943397	544169.5	1231687	654729.8	1927510	2874703	1673895	1753973
42.76917	9	3	4	321461.1	4705759	2041525	2640336	1309937	3928638	5307447	2928374	7988628
10.94443	5	1	4	233515.7	693510.1	176907.5	481231.2	183954.1	788070.4	958542.5	541105.1	615516.3
9.43325	5	3	2	443244.6	2990708	784057.1	1765902	1209224	2755551	3471636	3375056	3631197
9.880683	9	4	5	3585151	9686837	3021710	6276796	2769857	5821043	14135523	8489241	9707327
9.8322	8	4	4	799308.1	3595098	552508.9	2281718	1367745	3772367	2686275	4179685	3743211
9.445217	7	4	3	515002.7	3928388	1869382	1870676	1613187	5687447	5921405	3481155	3066832
9.4925	6	1	4	1060110	10128861	2188970	6794607	3272160	11772905	7812942	11514627	11884360
9.887133	9	5	4	1444256	3192462	630236.4	4593185	1453541	3159374	3937874	3674649	2802721
17.26333	3	0	3	73271.05	59745.28	27753.77	238291.6	187811.1	70798.32	92946.94	32566.2	73253.73
9.392767	9	4	5	4540199	18306888	6704411	11575021	4196659	17662533	14905213	11397545	29264575
9.858833	9	5	4	999626	4498199	639723.3	3526461	954231.2	4333549	4232671	3680909	5337941
10.94208	3	3	0	1407517	2048606	2067662	4022104	730555	478969.5	670913.5	470426	4375981
9.880683	7	5	2	7278046	3543055	2534332	17922157	15140113	2991471	1896263	2312103	8021757
11.1329	9	5	4	494236.8	2473050	363453.7	1764077	729011.9	2739495	2772069	2012154	2146816
9.3735	5	1	4	3866990	31450335	15637451	15435110	10765858	43350196	4445590	39121576	38390442
9.419733	11	4	5	1640006	8395987	2962633	4890948	3013017	5980382	7975319	8779256	13223959
9.229717	4	3	1	622716.8	1262405	395561.3	715811.4	519693.4	1336754	1323779	675510	1196139
9.976317	10	5	5	1581732	4701632	421466.4	3581783	1174228	5360918	4746361	4717153	4427803
9.94455	5	2	3	1346510	1182522	763547.2	1986074	582861.1	1511600	83782.17	1344189	2121157
9.431017	13	5	5	801380.3	5936545	1060180	4405440	1482468	4696217	6663245	7114767	4963789
39.201	14	5	4	369490	8501988	3641385	4799369	2442887	5429059	7288979	14012339	10236148
10.9645	10	5	5	515009.2	1650964	281355.6	1156605	502579.6	1829026	1419236	1322088	2000209
43.86233	4	1	3	220263.1	1253221	515905.4	1933808	634272.7	335173.2	1462972	1420004	1482799
9.94455	8	4	4	1861876	5359434	1035749	3891704	1414159	4612769	4835246	5643005	4650776
12.2226	3	0	3	67817.02	376471.4	58980.16	263493.4	116316.1	438552.1	407274	365414.5	282446.1
10.9645	10	5	5	364639.9	1226812	183251.3	1010020	187224.5	1488614	1319326	1184337	1129193
11.63327	8	4	4	83643.04	365442	62254.83	256852.6	110409.1	465461.1	379030.9	302521.8	334157.3

39.604	7	3	4	401076.8	5981478	921123.8	4469241	1520893	5293577	6946217	5287288	7033053
18.56783	4	1	3	144031.9	719948.9	310744.1	353417.1	315973.5	801305.8	192486	755167.2	836632
9.392767	6	4	1	381467.4	1736766	479112.5	1056713	656393.9	2436095	1210462	1866851	1796492
10.16043	7	4	3	434069.6	1439549	662726	812638.2	163351.1	2128693	2065536	1233806	544015.5
15.18045	10	5	5	1811350	22395673	4319262	15430052	6980965	29351207	17748794	20662856	21246733
10.95602	8	5	3	545803.1	490149.9	111711	1278494	833599.6	499683.2	665724.8	478600.6	446989.5
9.43325	6	4	2	463490	2642437	537194.8	1654820	1013283	3230637	2970877	2767117	2388931
2.80655	3	3	0	187214.1	1771751	1060643	673607.9	774223.7	0	2677136	1705707	2012149
44.45183	6	1	3	381828.6	2397540	793772.9	3844933	1484971	2467106	2850957	2817101	2845410
9.43325	13	5	5	1455032	11811965	2246532	8696830	2987384	14641817	13005450	12201308	8946957
10.24195	5	2	3	275933.6	512244.3	137004	650771.1	91673.66	296503	458878.2	623242.2	612135.3
9.858833	8	4	4	1107212	3800662	529411	2799663	1033767	4180639	4517977	3603396	3255140
9.864767	10	5	5	2868381	10915363	2393941	13864673	2653428	10141656	8608991	9657467	14818498
9.43325	5	2	3	334282.2	1853593	396272.3	1199817	661168.8	2489526	1767954	1725844	1406959
29.863	7	2	5	44310.09	127584.6	79869.38	211037.7	60763.8	117816.7	83049.97	70922.28	99190.8
9.295167	7	3	4	1110191	7910895	3328235	4463049	2461356	8992004	2333557	8572012	8372088
9.94455	4	3	1	9674362	4236343	6160345	15406477	11486149	1380746	2499388	1443423	15193889
9.845483	10	5	5	875983.9	4511310	286120.9	3389403	1191794	4453264	4103558	4444581	4853677
10.99115	5	1	3	1536181	7686496	3061879	4211821	2902595	8751173	10122872	2548634	7344350
12.32473	8	5	3	95461.45	492685.9	162489.7	768043.6	280248.3	213797	569729.3	508697.7	632365.1
9.842	10	5	5	2749820	13303086	1749102	11596265	967768.2	16023614	13848781	12006517	11640944
44.696	7	3	2	563979.1	11349471	3540018	8010315	1149446	9013981	8758111	10637056	10886646
10.11782	4	3	1	1010102	9212029	2255113	6828062	1790509	10393260	11742167	9748441	5816198
9.976317	5	4	1	758273.8	1218188	334866.9	1907081	719605.9	971855.7	904302	1147057	1327733
9.8322	9	5	4	762271.8	3221220	459457.2	2621367	561973.9	3019252	2959270	2796446	3383013
11.02755	4	1	3	8910135	25390897	16640574	8828690	10481026	46999190	27198294	33242763	3162882
24.6235	5	1	4	10374775	39071054	21707702	11719562	25095292	546724.7	52167870	48206593	44660239
8.827383	8	4	4	1079449	3403430	1369976	1768219	1441345	2078519	5190871	3342820	4314350
9.659033	5	3	2	217390.3	679119.2	229801.5	440739.5	172039.9	736695.6	805880.2	740432.3	275295.6
11.287	6	3	3	89289.86	288257.6	91730.89	200037.9	45196.03	267406.7	228885.7	327329.5	425719.9
9.4468	9	5	4	377594.5	2775330	946059.5	1615756	1044185	3155991	4069586	2956569	1895239
9.328967	4	1	3	523303.4	2310103	398292.2	1450041	902806.2	2343577	2056870	2352618	2923978
41.84833	5	0	3	285021.3	3416679	115854.9	3135451	297128.8	3297133	3409994	3434126	3599781
23.01617	3	3	0	73672.23	129856.2	59789.23	189711.3	39050.59	205848.2	149254.4	49020.56	95123.27
20.73483	3	0	3	162652.5	643664.5	179222.6	390159.3	246863.6	473782.2	794331.3	483887.1	600167.8

9.445217	11	4	5	1422936	10063468	2067778	6331815	3850180	12930939	10817008	10307699	7505180
10.52875	4	4	0	201126.2	411749.3	282451.9	145942.1	93042.33	730274.2	678332.1	215688.3	89803.06
8.9256	9	5	4	1451056	3805001	2322443	1526549	1364770	1979081	3815763	2652091	7789731
23.81317	5	4	1	433847.3	939248.6	1634806	2763711	1504874	146882.7	298682.3	3861991	195156.1
24.60933	10	5	5	414156.1	3770061	318199.2	3465141	154389.4	3923236	3889964	3341249	4140466
25.60983	3	0	3	52350.76	364754.9	40821.61	246475.5	125824.6	302238.3	400763	354561.4	364622.4
9.93625	6	2	3	2410509	7878263	2282312	5660148	1261030	9015123	6897865	11043962	7450497
9.856867	10	5	5	1660442	7827395	639302.4	6934555	866721	7555993	7001212	8624050	7662700
9.554967	10	3	4	1409320	5653969	965515.2	3556660	2207396	7192089	5797463	4577440	5367225
9.4468	6	4	2	408787	2075124	937313.1	1058880	806099.9	3086646	3081411	1686726	1266952
10.22883	5	3	2	295473.8	747777	363883.1	1232622	461352.5	1054976	881368.4	1080941	419646.5
9.445217	12	5	5	1.27E+09	1.43E+10	3.92E+09	1.04E+10	2.47E+09	9.24E+09	1.35E+10	1.3E+10	1.59E+10
18.51267	10	5	5	745776.4	6665576	2179663	4594064	965244.1	6644267	5372222	3900515	9530930
9.43325	10	5	4	1102562	9412233	1936719	6236702	3231912	11747799	10494332	9971157	7142262
10.98605	3	0	3	2716434	14847564	2615675	7782749	7515412	16756259	17475868	12457152	11676898
7.470967	4	3	1	2043143	20476017	14123554	7271361	2268788	5887682	5852620	27986251	37625764
9.960817	9	5	4	1729077	5508304	1374739	3641295	1794920	7230280	6371949	3872777	4432319
21.58767	9	4	5	94699.65	463468.6	58365.22	345932.9	123196.2	426116.2	466648.3	554105.1	400511.9
33.1095	8	5	3	92539.98	526458.8	72029.83	435021.2	84940.26	540676.5	533845.4	507787.7	625350.4
9.219483	12	5	5	1609177	6339378	1131873	4472350	1904969	6249028	8071166	6674843	5510123
9.68775	5	2	3	175640.1	384400.2	111768.1	217699.3	165999.8	468379.5	516379.9	382629.8	241558.5
10.97857	5	3	2	522117.3	1249138	449508.2	1836339	554620.6	835866.3	1786434	1413697	730660
9.856867	10	5	5	988981.2	3820643	739036.6	2534416	1325887	3643059	3243286	4632232	4553745
9.522017	13	4	5	589281.5	2135286	861994.4	1261787	604060.5	1899382	1586786	1156368	3243553
43.8765	4	1	3	587447.8	7252438	721012	5219419	2169489	7922124	7151867	7378061	7730820
9.392767	10	5	5	1698741	4863409	1002704	3444274	1391722	5421384	5081861	3786861	3904728
9.992233	5	2	3	556107	548601	193465.7	759563.7	170299	554997.5	506292.2	723419	711178.6
41.33083	6	3	3	290556.3	4175785	1377478	2887724	438198.5	2864568	5305263	3273294	3454470
9.9677	9	4	5	2273673	7476398	1652557	5284910	2091381	8834165	6538554	5166980	7685555
10.94603	3	3	0	260722.1	500176.6	229867.4	258275.3	184029.1	372915.4	906574.9	435578	355392.8
9.960467	6	5	1	583274.4	1276458	235992	802710.9	497836.8	1541592	1464492	1187059	948012.4
8.917333	5	3	2	296314	529679.6	371454.6	180836.2	141039.5	432834.8	583929.1	597548.4	1034086
9.896717	3	3	0	10809870	10472376	11014674	22555190	9858312	4093838	2394389	23618785	986765.8
9.992233	7	4	3	340425.6	1024318	116095.6	614790.1	439280.3	1166442	982220.3	959912.9	889976.1
10.03947	3	3	0	2902259	901250.5	1507057	3329172	2474735	295606.1	32843.68	291221.2	297066.2



9.845483	10	5	5	1073846	5434978	332527.3	4115514	1416984	5060482	5151313	5501136	5875847
9.41815	3	0	3	341772.2	249194.3	303324.9	691110.2	438701.4	761005.1	82497.62	125116.9	0
43.18617	7	3	3	422192.6	5869637	763020.5	5159318	182990.4	6315332	5649514	6831559	4800843
10.94443	10	5	5	754502.8	1749115	567543	1195933	333217.1	1485903	2077269	1731444	980488.5
9.43325	12	5	4	2548396	16338466	2823063	10691657	5942442	18672476	19256534	14580221	12503349
17.39433	9	4	5	526677.4	2871445	677065	4091329	1270990	1888060	3452377	3464619	3058129
9.371417	6	2	4	973314.3	7064970	5313416	2129986	596717.4	10857236	1116556	1374751	10947406
9.35985	11	5	5	808733.8	4458053	1154232	3161140	1097885	5939585	5297109	4276790	3621670
9.445217	8	4	4	578148.4	3973517	982272.5	2642459	1289700	3918682	5268496	4580544	2820846
9.445217	13	5	5	1123578	9078378	1954284	5823239	3350894	11586579	10038008	9533713	6832184
10.95835	9	5	4	193506.2	593063.4	171595	812098.7	206024.5	871325.4	544443.7	599970.4	545359
9.872883	4	1	3	1126299	1799279	290495.4	2802665	1080100	1837762	2023810	1627029	2108767
12.96833	6	2	4	1129246	8186428	7273674	1391817	2685787	254866.8	13261341	13104278	14107495
10.97857	5	4	1	393093.6	2521092	159993.3	2122923	426120.2	2474240	2578563	2419717	2363369
9.983433	10	5	5	1019184	4562492	590691.4	3429193	1192109	5164180	4467279	4422665	3694404
9.888767	6	1	4	4599465	15434554	8230782	5692561	8711928	17651037	23554616	16285287	18112356
19.94083	7	3	4	99396.47	467925.1	198312	253710.4	172846.1	485021	575604.5	206892	351660.1
12.0494	10	5	5	4151418	15988357	13912163	3100196	1137371	8250505	5052693	24254262	5825877
42.9415	6	4	1	701668.7	5454432	4179865	10143131	3981927	12865056	2842804	4369800	3787600
9.295167	6	2	4	1521371	13131805	4151222	8263759	4325179	15437889	6205468	16420622	15200326
9.554967	6	4	2	321019.3	788567.3	206055	456670.5	340615.5	1092739	896280.1	627781.5	598463.9
10.98385	5	3	2	187994.5	570262.8	195133.9	353651.9	182113.6	351918.5	509336.6	445523.5	728961.8
9.388367	8	4	4	1080218	3174701	831751.3	2245746	787881.8	3484489	3482098	1696620	3708796
9.106183	5	2	3	812228.1	2103434	1093229	948904	903510	3312916	888335.3	3104082	1190622
10.6471	9	4	5	171243.6	623073.5	205730.5	411464.5	157148.6	336456.8	836669.6	691622.1	489628.4
10.4704	6	3	3	134970	645247.4	157663.5	442988.3	192030.3	541188.8	898314.3	690519.7	590757.3
9.976317	8	5	3	299742.6	1042230	241538.9	619918.7	440999.1	1372445	932006.4	1066484	1122290
15.18045	10	5	5	931611	8979101	2422096	6060904	2664448	12194031	6132314	10037342	9467794
10.95055	6	4	1	17802954	16970203	26127599	49038581	29700883	7771394	5275327	2896344	63606843
11.70247	4	4	0	91415.01	366185.3	230856.2	152872.7	67001.77	698841.7	368822.2	116220	188636
9.8322	9	5	4	1172341	7148356	507319.1	4976654	2354882	7283835	6395346	6915770	7693139
11.26338	10	5	5	2905822	13632919	2960874	9312628	4339089	16699449	11303980	16262480	13905884
39.46017	4	3	1	378186.5	6686440	2161046	4357313	1893976	10499664	6267859	5268432	5710567
23.103	9	5	4	2999251	23916719	3129136	19146489	4855989	24956285	23859305	18948452	27561099
9.45135	7	4	3	638752.4	7679564	1039491	5113216	2765312	8689690	6070863	7808598	8456096

20.77783	4	1	3	144050.8	490372.7	237921.2	259097.1	145675.9	333751.9	651958.3	200205.4	473414
10.02372	8	5	3	4204155	813807.2	230071.5	6633990	6321812	757274.7	562850.6	1076886	1030126
9.992233	10	5	5	1080823	4509676	899672.8	3494957	877178.6	4466746	4301168	4202598	3576072
10.58813	4	3	1	228159.1	600201.4	409868.1	223141.8	85430.03	1219004	776262.9	379038.1	164062.8
9.842	9	5	4	1065432	4638353	1076800	2943482	1741523	5352599	3727798	3264058	5126453
9.392767	8	5	3	792348.9	2050609	839287.9	1096279	832774.9	2551602	1889041	1492704	1109755
14.06348	10	5	5	1045912	5938068	1585666	4070722	1683385	8086660	4313599	7025230	5533644
9.9014	6	3	3	2773859	5151406	1223509	3746102	1239468	6928635	4500288	5861893	4560261
9.43325	8	5	3	20764854	10984663	7838153	87784115	83538178	2155571	18344856	5925596	8472840
19.7075	7	1	5	97932.34	371204.4	110461.3	210839.2	161480.8	358262.6	363727.6	250487.5	551433.5
41.79083	5	2	3	333900.6	5415398	424353.5	4558446	914425.4	5341442	5633743	6024654	5115952
10.36388	5	3	2	378412.3	905710	541017.5	408819.8	122637.5	1695838	1146970	359616	472908.6
14.37043	5	2	3	2393452	32355071	5363547	17686110	15899968	29932075	41430647	27302939	31434858
31.2925	10	5	5	709802.9	6028967	1332781	4758553	730986	8213664	5684695	4788866	5230935
9.433	5	4	1	1.77E+08	3.29E+08	7.29E+08	1.12E+09	6.48E+08	4908842	3206054	1.63E+09	2041557
8.911617	3	3	0	161897.1	238641.6	151809.7	97417.21	64617.58	56282.98	320235.8	182656.2	452760.4
44.9835	10	3	4	441640.8	4706128	2435342	6972594	1052092	3742319	7044202	1426662	4116286
9.311883	4	1	3	472769	4002249	475957.2	2345648	1805589	4106152	3379943	4591768	4247777
40.75483	10	3	2	525183.9	5987178	2842170	3292923	1513599	3901790	3275352	7233542	10287597
9.445217	9	5	4	544803.6	1838205	377668.4	1409687	375675.8	1755514	2253016	1353602	1645038
15.69645	3	0	3	363692.3	1269084	302787.4	599063.1	721572	1306440	1039918	1431883	1661666
9.392767	9	5	4	1610659	5362243	1385975	3310647	2084575	6030074	4887924	4168133	4267827
9.830733	4	1	3	524127.2	1792401	625667.6	1044172	687036.1	1730013	1070022	1981402	1447272
9.960817	6	4	2	655236.4	848271.3	288024.5	487951.8	341133.8	750664.6	626041.3	876410.6	1332929
10.02372	8	5	3	1066191	866354	242502.2	1687317	895323	853782.7	693242.2	1157768	1052854
9.93625	10	5	5	8830153	27308300	4996933	19916864	7516004	29230809	32882039	22331246	21737642
9.999217	3	0	3	327950.1	169632.3	163103.5	561278.4	424018.8	0	0	326225.7	322834.4
9.992233	7	4	3	443302.3	1209686	276574.5	887803.4	289685.3	1633530	1336705	981286	1103399
9.842	10	5	5	1336052	3449343	1598126	1987833	356729.5	2075113	2246913	5289377	5087429
11.4384	5	3	1	118230.7	339030.9	145727.2	203127.1	67262.48	580946.1	322190.3	342520.4	226500.1
9.874317	6	3	3	862455.8	3527510	856471	2592336	789095.1	4152403	2121956	3461572	3630356
11.27517	8	4	4	156514.6	482964.1	219037.1	277764.4	107635.7	368953.8	502455.1	255691	837641.7
9.3735	7	2	4	1894518	13451351	5863202	7226225	5054282	20685668	5532425	10077019	16672507
9.445217	11	5	4	3431545	28601958	8242784	19582699	7639302	35207550	37507552	29600998	22748781
31.22067	5	2	3	71272.86	297349.5	106876.7	195112.6	62212.71	451442.1	284737.6	166618.1	243816.4

9.999217	9	5	4	413237.3	1668061	120473.3	1386419	305314	1607504	1868088	1629312	1680166
9.507167	4	1	3	3272174	11231519	4569857	6183877	4325614	3307074	11468567	13813248	13083600
10.008	11	5	5	1403686	5994640	1023378	4576556	1416445	4291093	6213230	5981543	6985637
8.911617	8	5	3	930639.6	2435683	1503879	1024321	758080.5	1224108	2120098	2059495	5049618
9.40615	12	4	5	1792354	14588946	4585031	9668896	4072123	21378544	15731624	15053320	11171062
10.16938	9	5	4	348420.1	835905.3	452487.5	418995.2	180239.1	1560401	975836.7	580840.9	422170.4
9.522017	10	5	5	549425.8	1258766	436023.4	851984.7	209765	1724834	1747436	956271.5	921793.5
9.3735	9	4	4	803931.8	4524221	1801868	2600300	1583569	5778811	4444457	3986451	1869622
10.99775	6	2	4	471419	1273644	704579.3	630596	203334.8	1584030	2145033	374121.7	757620.3
37.71917	10	5	5	1763567	29757214	1346045	27764682	2038607	30579451	29879336	27861990	29111837
10.03947	8	5	3	3709771	660892.4	194765	5151644	4932552	538773.7	759111.3	855867.9	768389.4
10.10223	8	5	3	360953.7	786331.9	145254.4	424209.6	395081	571256	907770.2	885077.4	866321.1
9.55155	5	2	3	391768.3	548577.8	95462.26	353998.7	209890.4	687903.8	608173.9	491621.8	486747.5
8.657767	6	5	1	2255304	15180755	13945052	2493170	3433528	7732490	19954096	6686002	3957041
23.10317	5	2	3	87643.82	488226.6	173015.9	308459.2	142219.2	571337.5	718774.3	273494.6	372902.6
9.976317	10	5	5	1580468	4713471	450175.6	4002149	741287.4	5391441	4660112	4882919	4362068
10.29105	10	5	5	4526482	22816603	6553574	14874261	7451429	30247669	24513441	19995486	13111460
10.97242	7	3	4	217294.1	618753	125423.4	494731.9	87898.99	748406	753828.4	513401.5	493956.8
44.9835	8	3	3	341731.3	5870437	3622113	2572728	1102602	3449255	3278821	3018604	10451230
10.08658	7	4	3	860236.4	1748093	565865.9	2307283	396334.3	2522442	1591373	1576585	1011364
9.523633	8	3	4	2741143	11977134	6331654	5468032	5090828	8666546	17178773	4634956	19878476
11.26148	7	4	3	129063.8	392739.5	157453.3	209705.5	167276.8	176691.1	388727.6	591698.5	482869.7
9.40615	8	5	3	743561.3	1593149	249155.2	904823.9	756545.4	1796143	1675818	1194344	1517761
41.6325	9	3	4	430655.2	5105426	2424397	9743897	4996633	6065665	6582804	811418.8	5683982
9.522017	10	5	5	955658.3	3001596	665954.5	2178857	785794.6	3397201	3735107	2974168	2936463
9.445217	11	5	5	1.41E+08	1.89E+09	3.24E+08	1.46E+09	4.21E+08	1.92E+09	1.51E+09	1.68E+09	1.97E+09
10.77503	10	5	5	2131915	11264759	4744498	5594412	5298262	16620128	7760556	15918306	6241739
15.18045	10	5	5	314521.2	3352269	731072.3	2164216	1251150	4406954	2422716	2990123	3437610
9.388367	10	4	5	668975.4	6394308	1142678	4848037	1546360	7695085	6821034	6192416	4596072
43.28667	6	3	2	335468.2	5353614	1583961	6897792	1061102	6807657	5650540	4051598	6866561
9.714167	8	5	3	658916.6	1102693	272347	691813.4	425811.9	1352393	1435927	960985.9	936282.4
9.43325	8	4	4	568404	2881943	912328.8	1945856	732704.8	3160344	2844740	1529411	4071491
10.70568	4	3	1	202342.4	401696.5	212987.7	200516	120807.9	694450.8	528257.6	262428.3	158902.5
13.7122	10	5	5	468771.5	3941580	760850.4	3084154	764033.8	4681623	4540999	3090820	3165533
9.859983	3	0	3	4806764	19579779	4366341	10541545	9819950	22240773	11947275	20328088	20841071

10.58813	3	3	0	236894.1	523701.4	388156.1	173001.8	70607.07	1196694	460738.3	344624.1	206125.8
9.392767	12	5	4	597872.5	3540669	1018970	2103633	1461917	2235633	3009229	3876135	4972569
9.433	9	4	5	12514048	26063214	8045016	50741232	27257432	22316738	28336282	28082296	14940017
13.47832	6	2	4	291016.3	2357603	2049096	492794.9	750157.2	73535.33	3599257	170769.9	3830367
9.872067	3	3	0	8368740	16091821	14128279	34676327	18413982	7499484	20060654	39251706	7404270
39.71917	4	3	0	280929.1	3037366	585098.8	2509378	87736.61	2564258	2663138	2806983	4007311
10.93618	12	5	5	263646.2	1104806	246717	1538357	463682	1441540	1180954	1097167	1047304
9.392767	10	5	5	2033804	6189384	1134868	4228799	2092837	7190093	6684181	4980166	4950277
15.41187	5	4	1	175520.8	533838.3	545927.3	1174993	594461.4	292693.9	152405.4	1485980	486581.4
25.4215	5	4	1	106958.5	368212.6	312194	684909.9	244161.1	270441.8	906684.4	198688.1	344074.9
9.37735	6	2	4	11705892	84014851	64474672	25893560	12867905	1.31E+08	19689732	1.28E+08	1.33E+08
9.514333	14	5	5	2670893	9863750	2989947	6029696	3759639	10081011	9754918	6024715	9083000
30.569	7	5	2	1396489	6722155	5091056	2131859	1132217	3550845	1358198	14555843	5801454
9.983433	9	4	5	786054.1	3037160	665704.5	2095557	961697.7	3625858	3832312	2471057	2891902
35.96833	8	5	3	367237.3	773147.8	607085.4	1909102	1226816	373431.3	303427.9	397058.9	1693140
9.94455	3	3	0	1551749	2581159	957990	1494727	979669.4	3300024	3795370	2461973	1775689
9.848417	8	5	3	749221.6	2400582	329153.5	2827235	420965.8	2571926	2431821	2653592	2515743
9.928667	6	5	1	596113.4	1320500	182381.8	730019.3	654243.8	1525402	1397162	1422996	1106850
9.872933	9	5	4	1253701	3112888	406962.4	3929406	888226.7	3722803	2709076	3189988	2769585
43.90517	6	3	1	365756.3	5629932	1008141	4618765	764189.3	7411390	4925781	5295343	5322638
9.8374	7	4	3	1084796	4938070	755606.3	2929340	2218530	5517523	4618286	3802550	5669912
9.992233	8	4	4	503112.9	906599.7	128626.4	646656.9	283103.1	1112829	846049.6	852868.6	940837.5
20.38917	4	1	3	126618.5	478269.7	170028.1	287836.6	169990.2	192280.3	586498	449579.5	580907
9.859983	10	5	5	4345863	22218804	2694398	17188342	5438498	22452167	20621814	18555291	25166473
9.03715	9	5	4	1234412	3872113	1455271	2434630	1047302	4451061	5370806	4553663	3392217
10.95835	8	3	5	1041200	4562363	1077098	3381880	1029967	4778971	5200479	2979401	4085198
11.81697	6	2	3	485394.5	4308284	910944.4	3060239	1262762	5609376	3285281	4169294	3713896
10.44062	12	5	5	1762767	6904131	937720.2	5554092	1389438	6875220	7832673	7675343	5492679
9.976317	8	5	3	667591.7	2154826	130669.8	1905234	270626.4	2367150	2110244	2076742	2035456
9.952017	5	1	4	2085146	3509181	2036378	1630947	984571.6	5865127	314149.3	4067538	4138151
10.00098	5	2	3	349357.4	383762.6	112142.3	703544.9	354096.4	274972.5	555956.6	407826.9	293054.3
10.94443	4	1	3	175579.9	220644.5	68256.13	434538	237376.3	185633.2	331795.9	160431.6	187159.1
10.008	10	4	4	392803.3	1412649	446407.7	861343.2	531748.8	1147703	1460674	1031211	2159101
9.43325	9	3	5	1945477	9106922	2180117	5968149	3234032	6709006	10898959	9475113	11449099
22.35333	5	2	3	81965.53	344778.2	73881.21	233200.2	116523	295118.8	447602.8	393398.7	268878.5

9.845483	8	5	3	1069560	4311200	381762.9	2844311	1631901	4889868	4283578	3882891	4081945
9.46265	6	4	2	451300.2	1170150	420818.5	626197.1	538146	1354057	1487272	1497439	1004780
8.9256	9	5	4	2288458	5745378	3755307	2308686	1682516	3468553	4954830	3894154	12392582
13.71187	3	0	3	63042.23	316705	112298.1	211232.4	63952.85	373107.6	454088.8	211730.9	190370.5
9.903567	9	4	4	1184055	2501638	603922.5	4415479	2127058	3330790	2290106	2926619	1944733
9.487883	8	3	3	609386.5	6454980	954753.2	4051772	2657230	7781635	5713867	5882900	5737761
8.949567	8	4	4	86455.83	628834.1	272480.8	1054720	448891.9	474603.1	1061253	686428.5	345794.8
8.93965	7	5	2	330033.2	769159.8	520801	292507.1	236538.8	499989.8	402560.6	424644.4	1632744
9.445217	14	5	5	3561067	21380801	8765133	13399779	3697845	24527312	15231345	18481414	35143274
9.4925	8	2	5	3413431	20987221	18176612	4691377	2291406	23996476	2426308	22370540	48876550
10.05528	4	4	0	1178917	2230722	1487033	897911.1	144922.7	1249613	744780.2	2060283	4590440
9.530583	9	4	5	1315362	6107176	4037839	2424655	1759682	2472705	3448693	4452899	12385546
9.992233	6	3	3	469273.4	888322.5	192790.3	644440	239380.8	616137.2	1059385	825016.6	1088433
43.96267	5	4	1	424856	8537155	1749222	6968892	405126.8	9495162	8954673	10716659	6956685
9.840617	9	5	4	763381.6	3134222	417364	2462099	714385.2	3410223	3026255	3511456	3260317
11.89172	7	4	3	113980.3	324326.3	124243.7	482692.9	156184	506173.6	195488.3	234251.5	302375
30.31033	9	5	4	248539.1	1013517	226773.6	1411369	429021.5	860203.1	1406585	858163.3	972010.6
22.94367	4	3	1	71804.73	163820.8	31749.89	132487.9	23148.88	211125.8	137016.9	176932.4	160037.3
10.818	3	0	3	3654483	44922082	9450184	31316147	14082998	58294119	48650819	39091323	33498955
44.9835	12	5	2	357169.1	5206549	1843761	3556776	334877.2	5181239	8257876	3861061	3636850
9.888767	10	5	5	4157885	24660486	3361939	18890464	6207022	27811483	28225397	22796932	24148419
10.36622	9	5	4	279763.2	1182203	345548.2	861413.6	185477.1	963615.2	1076334	1686571	1364327
26.02467	5	4	1	374548.9	1153929	1811489	3025947	1525006	166645.3	354921.5	4387910	373996.8
33.832	8	3	5	284577.8	2225142	1736779	672831.5	264433.1	921028.3	831937	4116012	1124488
11.01378	9	4	5	741599.8	3214370	656874.3	2264606	985583.3	2569334	3328792	2660035	3309113
8.97505	10	5	5	653426.3	2594750	564112.5	2061613	341619.5	2879710	2866707	2636863	1610933
9.840617	7	4	3	1504938	2727065	1559287	4750688	2018614	2477925	2005956	2293439	1432760
9.856867	5	2	3	1096574	1801174	486911.6	3109509	1455813	2282622	1446166	2097974	2043895
9.595733	5	3	2	487440.6	1300288	361863	788447	527956.9	1519087	1395625	1258869	1626483
9.7144	8	5	3	622828.6	1128401	476082.8	695798.4	206285.9	1585392	1709259	807212.3	755578.8
13.09965	10	5	5	62193.53	307141.3	47717.41	245616.1	61232.27	294953.1	258491.7	268388.3	365045.7
9.3919	5	3	2	854739.4	5564098	1783365	3499949	1921482	8134736	5942993	5926467	3487333
11.3515	3	0	3	120854.2	620081.9	67547.95	486289.4	146647.7	702250.6	663743.4	573734.4	534047.8
9.457083	5	3	2	886135.9	4395370	1707840	2662834	1370889	6815857	3922807	2286302	3726395
38.928	3	3	0	690927	9015608	5700706	14103804	371250.3	15449545	4041468	5251517	15017050

10.13345	7	4	3	275215.7	632719.1	174872.4	413535.5	215159.5	802713.7	620256.2	808157.8	406842.5
42.5245	9	2	5	443589.9	4627214	1983239	6573699	1430511	5975758	1150720	4876046	5588081
9.856867	10	5	5	4988771	29771070	4793095	22552322	7588223	27145311	23127815	30006346	34224578
9.999217	17	5	5	892528.4	3642281	1049149	2560659	881674.6	1829031	4129392	3695353	4099182
9.406667	11	4	5	1022785	8597490	2347386	6107883	2118922	10119531	7234390	8108521	5798329
9.872917	8	4	4	1376159	3842173	920720.6	5179681	1393091	3460526	3877115	3839582	5278372
41.64733	5	3	1	323749.1	4989718	1375172	3759911	385332.7	5177569	4355053	7306441	3981220
9.559117	17	5	5	21598816	1.63E+08	30532799	1.12E+08	54875670	1.95E+08	1.85E+08	1.65E+08	1.18E+08
9.999217	10	5	5	356425.6	1478283	254795.4	1059971	448253.2	1386913	1519188	1540066	1122068
20.869	3	0	3	2252356	23157935	477228.1	14222868	10024044	23085576	23263911	22419171	23734263
9.8445	6	2	4	1538664	4891979	2961840	2244870	868685.1	1416203	1974344	7330721	6265493
10.96997	9	5	4	755505.2	2884878	536293.1	2220975	649317.5	2323006	3307571	2551954	3586650
32.83533	6	3	3	80103.01	259510.9	50958.46	202274.9	52202.6	290283.9	284943.1	204437.4	312608.7
16.36015	6	3	3	321779.4	1226570	693132.9	601142	284057.9	1301319	2389756	896322.2	917870.8
9.992233	10	5	5	879300.9	2765920	219015	2159669	678055	2850246	2383783	2835012	2942732
9.382183	8	2	4	1419380	4173292	2849823	1635345	701948.5	1591243	7019386	6248240	693180.7
9.5876	9	5	4	1311071	4063509	911009.8	2930610	1113185	4227977	5409224	3003292	3480432
9.071467	5	3	2	682359.5	1095295	225678.6	773428.2	334960.2	1418583	940652.1	1037839	858302.6
11.27298	8	5	3	129658	701081.4	119898.4	593805.8	41419.58	845496.3	551947.2	630937.2	680706.3
10.008	8	5	3	529179.3	883103	245116.1	1262030	402810.6	979040.3	913274.1	1216106	737005.7
8.911617	6	5	1	712924.9	1789291	1006757	823161.9	676685.9	1365885	2092488	847446.9	3400130
9.681133	5	3	2	587811.5	229535.1	135799.2	783182.9	623488	427960.5	298652.1	192785.3	142711.5
25.30583	6	2	4	252581.3	1187211	244430.5	856341.9	338779.9	918183.7	1576417	1228638	1119706
10.72028	4	4	0	157794	311436.4	201079	132869.8	46119.07	627994.4	388693.7	162954.5	147464.2
9.845483	6	3	3	941653.4	3752347	930888.4	2352408	1481248	4548414	3557324	4634400	3687797
9.976317	7	4	3	885520.4	1092252	514207.5	567855.5	425806.5	639971.3	1317776	672394.8	1872113
21.60833	6	3	3	206341.4	1298731	404595.5	808076.2	477205.7	972054.4	1345855	967274.5	1251160
18.34933	4	1	3	212733.9	1300289	663436.7	571889.6	654503.5	1744317	1480401	1618164	1531512
9.999217	8	4	4	844776.1	1682218	352494	1048086	693415.8	2118754	1878661	1770442	1323127
11.44292	11	5	5	109119.7	398790.7	146239.4	262163.6	86931.21	475410.7	523957.4	170403.2	336288.9
9.986767	6	3	3	1767702	4492666	1139099	3003662	1507127	6378143	4129436	4633725	3884648
10.95055	5	2	3	139252.6	422244.7	69381.42	486169.1	37911.4	394543.1	453536.4	378236.3	356561.5
9.94455	6	4	2	808339.1	1714415	214509.4	1971287	248700.8	1553847	1461446	2009891	1771673
10.94443	4	1	3	628625.3	1281673	328410.5	939021.5	290720.6	1713594	1500074	913994.6	1245298
11.287	5	4	1	108355.6	368181.2	188177.6	591116.9	214437.3	328948	242671.1	674456.1	196096

21.2385	10	5	5	590548.6	4159245	1183523	3007051	856816.3	4531831	5089505	2635380	3208597
9.787633	8	5	3	1539168	2368599	206523	1762364	684012.9	2067124	2526934	2295638	2590617
9.3735	8	4	3	471863.8	3527671	852447.3	2363154	1204155	4606203	3565247	4058659	2931726
9.920517	6	4	2	1.76E+08	99141264	2.15E+08	5.38E+08	4.88E+08	3387423	4.85E+08	2654305	2337665
31.23933	10	5	5	343527.7	2072653	648359.4	1499210	173746.6	3160033	1940057	1490663	1694810
9.445217	7	3	3	925048.8	5029400	2127809	2944044	1582798	5859826	3586320	2130178	7404240
9.859983	9	5	4	1267987	5799397	382512.7	4313329	1685007	6153521	5956215	5180850	5700100
9.845483	10	5	5	5787287	33902874	4578010	25718241	9003272	30988614	28000347	33723270	38392029
10.95602	4	1	3	397840	1544058	747666.9	860169.3	400422.5	1992182	2100281	303584.9	1380010
9.601917	8	4	4	586500.4	3178666	841837.9	2393067	513427.3	4239274	3352765	3302435	1890528
9.568567	7	5	2	229414.3	1072443	331064.3	748986.2	245546.6	1501954	1036955	1271343	639352.9
41.14367	4	1	3	301215.1	6431914	859211.7	5434204	953621.8	6158712	5902267	7955279	5977840
10.9645	9	4	5	254589.2	920174.3	358216.8	600405	148640.5	843315.5	993681.5	639693	624474.4
9.920517	10	5	5	13887342	92233273	12639820	67061678	28041943	89515786	73231835	92159764	99057616
10.66002	10	5	5	422064.8	1677456	441684.3	1259560	290484.4	1405075	2258232	2044000	1397959
9.848417	10	5	5	1434719	6844495	574889.7	5279151	1771558	6930375	6711470	6163492	6675626
9.888767	10	5	5	9231814	52437749	4429104	45037284	8081479	52357752	47627152	52011340	50568419
9.920517	6	4	2	13182860	13702959	15137176	40074574	28978833	3794337	40291869	11622738	6891381
9.8322	9	5	4	560373.3	2556324	517904.5	1624794	1028164	3056756	2589228	2829211	2612515
9.949233	5	3	2	377000.1	920112.7	154161.2	508475.8	465952.9	1163179	913645.4	940960	825780.4
9.392767	6	4	2	413634.9	888634.9	422817.8	437312.7	399785.7	1029423	1379875	230460.4	800647.7
9.845483	8	4	4	531060.3	1939835	335494.9	1494418	458676.7	1819139	1970456	1587878	1834390
30.20833	4	3	1	71033.88	313442.3	100920.1	405432.5	53654.43	383518.5	280441.1	410230.1	155923.4
9.872933	9	5	4	3380246	12333275	1567364	8176009	4707524	10762955	13051734	11794684	14699978
9.986767	10	5	5	26971084	51792345	22470732	29459678	17747826	78277253	69912348	41426434	46845428
9.473717	12	5	5	1978383	15635617	4122846	10409719	5280052	15169398	10107174	21563600	14652295
21.7165	9	4	3	18540954	2.07E+08	74471824	1.41E+08	23194307	1.59E+08	3.03E+08	2.72E+08	1.47E+08
27.34567	9	5	4	688421.5	2374541	1208524	3892899	1527799	4260388	1745260	1146136	2796542
39.77667	10	2	3	441160.3	1543217	105093.3	7512687	6810089	1448495	1706319	1554763	1451889
8.917333	5	3	2	296130.6	676704.4	548328.4	192677.1	186063.6	609495.4	1579797	507743.4	599780.9
10.51392	8	5	3	492104.8	1032230	675701.6	440197.7	108017	1940066	1548500	531472.8	399460.6
9.445217	14	5	5	876409.6	6571380	1278656	4489561	2269788	7991388	7616309	6471205	4829777
9.317	8	4	4	815448.3	2385445	1069576	1394392	642276.5	4119294	2083329	1516691	1572326
39.2875	5	1	3	358388.2	4272956	228007.1	3618243	744239.4	4128266	4147052	4189781	4675304
13.15673	5	1	4	375151.1	22160.96	31004.86	1464248	1648204	0	7618.198	17740.68	8977.788

9.365833	7	2	4	623368.6	5441849	936174.6	3892549	1697389	6336211	5535948	6271562	4111069
8.97505	5	3	2	400723.8	887874.2	464277	448103.2	313317.4	767327.7	731772	626211.5	1709278
40.43967	4	3	1	213397.6	3225907	698091.8	2616264	103603.7	4445976	2921093	2905048	3138759
22.828	10	5	5	4264035	39284811	2895282	44303321	5541854	38397224	42958308	36436736	36956362
44.9835	5	3	2	265767.2	1659788	629105	2303902	545037.8	1687343	1950562	2179906	1902292
9.3494	7	4	3	722749	6669326	1269874	4327571	2605867	7430861	5182109	7768556	7573536
10.01837	5	3	2	571077.1	1188576	695311.4	569899.4	300555.8	1454301	215845.7	1177074	973912.5
9.976317	6	4	2	451654.7	993867.3	301563.9	619699	376273.6	1030870	533967.2	958757.6	1073258
9.45945	5	1	4	423980.8	2436222	449821.9	1403099	1169680	2805105	2696948	1752859	2724705
10.61192	9	5	4	664493.6	7201119	2134318	4524517	2708725	6754949	9429393	8446086	3826743
9.848417	9	5	4	1721269	7502853	700726.6	5418932	2379285	7381487	6429834	8159754	8104769
9.989483	10	5	5	1302330	4601667	897752.2	3305537	1382259	5241870	3717912	4066682	4141323
10.23568	3	3	0	179651.1	328667.9	130942.6	202147.3	95948.38	106456.7	331133.3	429325.4	419653
11.09082	3	3	0	244550.1	393899.9	295463.2	135776.7	72323.68	848886.4	514901.1	212333.3	105066.1
9.912633	7	4	3	6359663	2936703	1586486	8685572	6582033	3126752	5577034	2316152	2173503
9.845483	7	3	4	451783.2	1653671	528156.8	1161218	336034.8	1838113	1251985	2206633	2014164
11.98077	10	5	5	172456.3	914957.6	170591.5	665996.7	267001.9	1198789	903425.1	753177.8	901127.9
11.80168	10	5	5	66241.15	232595.1	99276.2	144253.3	45180.65	274419.6	370798.2	243809.1	127994.3
9.445217	13	5	4	1232545	7711185	1187738	6341951	1324068	8615812	8591958	6839817	6055887
9.976317	4	1	3	566589.9	254647.7	275789.7	784197.4	594641.2	692255.9	0	350133.7	113218.9
22.091	3	3	0	37447232	96011414	1.31E+08	2.1E+08	30975227	2.39E+08	2.39E+08	571903.7	751406.7
9.328967	5	1	3	486636.7	3125769	1358068	1809561	1016840	3968730	768811	4026604	3669071
9.43325	6	4	2	487612.7	3471135	372914.3	2410896	1214036	3640616	3726447	3673482	3492793
9.93625	10	5	5	3151419	11798271	2162102	8630864	3407400	14310038	11783605	8886632	10622431
9.41815	7	3	3	1031847	6487905	1683474	4714238	1578246	9013780	5279115	7360219	5803971
11.60508	8	5	3	119193	478045.2	112337.1	345382.6	130600.2	519950.1	481914	285115.1	533485.4
10.94962	5	4	1	1.55E+09	2.37E+09	5.23E+09	7.85E+09	4.85E+09	1.17E+10	32603451	55985381	29298056
39.1725	8	3	3	403698.3	8928687	1814725	6810376	2070587	7874947	7929052	12070026	8933987
19.432	7	4	3	106205.4	309776.5	80805.59	427378	126458.6	336873.2	286086.8	323900.9	411621.7
9.859983	9	5	4	1234194	5918818	708838.6	4092275	2089942	6316109	4808384	6698336	5952913
9.992233	6	4	1	1256270	1794887	893067.1	2666369	688393	755257.2	1703089	1133649	2859974
21.5825	9	4	5	155448.2	1076340	140046.2	717454.2	410797.8	1193695	1257808	961832	1012916
10.95835	5	1	3	551162	1858673	313277.1	1208293	736999.9	2080682	1375280	2168750	1912686
9.541433	6	3	3	259111.9	600509.7	177876.6	389232.9	209315.6	813164.3	697840.2	373263.7	650795.7
9.856867	10	5	5	2747002	12696969	2024836	10091281	2691457	14738878	14081158	10324431	10733085



24.87017	8	5	2	96356.82	372072.4	162825.3	558680.6	180742.7	317385.5	567768.9	510189.6	174507.9
42.16417	5	4	1	389822.4	5273977	1205389	6541895	1134547	4498703	4140412	6299014	6830458
43.04233	5	3	1	205413.2	2275861	740027.6	3474063	1322636	1249563	2432914	2910854	2976920
9.999517	7	4	3	954259.9	1768994	972552.8	864379.4	630521.9	2196449	817407.5	663814.6	2854252
10.01545	11	4	4	1281040	2975397	866420.5	1834387	1193148	3755875	1565780	2858587	3108885
21.7095	9	4	3	4039614	37006554	14467233	24442681	4304998	28112970	54058803	24612536	51468207
9.976317	9	5	4	888537.5	3076624	483505.2	2319026	831856	3584335	2510626	2807996	2899943
12.27392	10	5	5	167977.3	1273729	263611.7	823427.4	501652.4	989217.2	1226344	1136231	1689673
23.42417	3	3	0	172594.4	470632.5	482952.6	888448.9	111403	142992.7	95234.75	950285.3	118814.1
9.616167	7	3	4	522637	1762039	731832.1	1128560	205368.6	790723.3	2123165	1315190	2684327
9.061	10	5	5	1094169	3465565	537450.7	2771346	722453.7	4017845	3887963	3518057	2685818
9.713983	7	4	3	677734.6	1311869	181392.5	1062628	265381.9	1424528	1530783	1184755	1079375
35.13833	4	1	3	117898.6	650214.5	319084.5	368273.5	147225.2	497358.6	534892	283525.2	1099189
10.99268	5	1	4	1259140	4756823	1774139	2845234	1767640	1832793	6636724	5263866	4796267
9.406667	12	4	5	1230282	8946774	2369980	6211372	2680785	8780572	11150579	11535770	6931143
9.992233	10	5	5	910913.9	2434230	424205.2	1762153	741884.1	2403771	1753453	2547570	2554531
9.673333	10	5	5	362801.3	1236609	192507.6	851960.8	437263.3	1567362	1172617	1232987	1112428
9.088183	8	5	3	5474886	23673836	4468943	14927163	9929197	26098652	28593712	21591870	17066408
9.3141	5	1	4	876828.3	7331284	933409.9	4553124	3213245	7045347	5828035	7731141	7929774
9.445217	9	5	4	428569.5	1955286	623538.5	1352740	475067.5	2180242	2862950	1412612	1334562
8.798117	3	3	0	455612.1	908923.5	528270.5	415109.1	356375.8	753355.3	1068451	1020201	1575047
20.62683	5	4	1	277503.6	795674.8	1032321	1813699	836549.2	122244.8	256304.5	2574333	200820.8
9.498117	7	4	3	1090581	1647156	2086652	4336794	2805822	5370068	703078	909198.1	764454.4
9.554967	18	5	5	2773313	22827364	4624897	17660899	4955513	28548355	24844954	23646929	16153957
15.07222	4	1	3	511986.9	4400190	2026071	2637407	762467	7411541	3670150	2024882	5212745
10.58733	5	2	3	695754.2	4546045	1088507	3032551	1623326	5719172	4340594	4301656	2959726
9.392767	10	5	5	5176142	15813341	3172154	11772598	4197097	18023177	15846348	12573781	12820691
9.573333	4	3	1	588522.8	2332933	1241948	1147778	911404.7	3844667	2950570	1289583	834771.8
9.659033	4	1	3	231194.3	865099.3	149903.5	633357.7	255351.2	929003.6	1028182	951903.3	743110.2
8.9256	9	5	4	1691524	4362053	2526331	2060370	1516992	2647649	4195851	3170030	8763776
9.952017	10	5	5	5691329	22331137	4578111	16232627	6452308	26177135	18297867	17141096	22634085
11.39648	4	3	1	65928132	35079199	47827214	1.18E+08	93749902	72141212	937465.5	1E+08	139003.4
10.97857	8	2	5	419131.3	1425981	1098279	482561.9	133154.7	303713.3	2538300	266356.8	1623826
10.008	8	5	3	1235660	1056578	214698.5	2884393	2128468	879967	1266492	1310524	954069.5
9.392767	10	5	5	5020326	15708930	3163162	11725265	4120837	17529966	15657981	12642857	12719409

9.4775	13	5	5	3350941	24376212	4125766	15854108	9747933	28767475	19110192	23738525	28256793
9.445217	7	1	4	1863774	11806819	5908379	5978642	4829498	15190345	1645230	16413841	13713395
9.8322	9	5	4	689481.6	2961267	266767.8	1972151	1151054	2855860	2715808	2760361	3135397
11.08352	7	3	4	264337.6	1664250	847416	934525.9	237164.8	962794.5	2909243	2174408	1050774
24.28833	9	5	4	1413239	8921601	2161700	5791736	3407253	12055230	7976420	9296535	6131143
10.33355	9	5	4	333803.1	858958.4	149922.7	709021	127560.9	1014478	876561.3	791587.8	639828.7
9.379233	10	5	5	909289.9	2948560	501674.4	1991718	1090094	3460669	2517151	2465208	2800855
27.96683	10	5	5	4470632	27001721	6328218	21256224	3799189	28804368	25870818	22338771	21061678
9.93625	11	5	5	1668480	7163621	2189374	5230909	1072911	6238254	5282181	9259457	5268326
9.445217	14	5	5	7468010	55791830	9613930	43457796	12919764	47662745	64031168	63357619	43321314
9.445217	9	4	4	1507459	8222020	2524243	5325166	2856629	9413692	8773526	8451390	10534603
9.379233	7	5	2	521738.4	1463362	405317.3	710477.9	855866.6	2097919	1599392	1206311	1344479
25.41967	7	4	3	365276.5	1089256	722057	1918998	819278.6	1053225	388102.4	709640.3	1005462
9.582167	7	4	3	2559156	12937400	1353860	9619841	3840890	13210483	14144225	10721341	13861742
10.24195	4	1	3	181929.6	141251.5	79484.47	271264.1	145495.3	208839.3	234073.1	77097.81	133982.8
10.7349	5	4	1	184341.6	558668.3	376101.6	236359.4	92004.59	1018507	917369.5	280000.6	254781.9
12.70477	8	5	3	383178.8	1468645	1250918	2825186	1280467	2952277	158296	2235565	1808126
9.874317	8	4	4	1044243	2945271	704211.4	2237469	610685.1	3821576	2082134	2620179	2703487
9.730633	10	5	5	2385168	5594457	1940823	3896838	876390	8419982	6757150	3885367	4128149
10.80745	6	4	2	240487.3	636803.2	424198.4	273511.5	105927	1191032	942510.2	263341.2	218425.1
10.42575	7	3	4	244245	1223279	266010.2	951877.8	239443.4	997310.1	1625984	1363316	1061032
10.9645	10	5	5	6789322	29533714	5279379	22635886	7299568	28244901	31993969	21812376	36177923
10.97242	3	0	3	401635.7	1320859	308421.1	856349.8	512604.6	1402943	1740594	978073.4	1057725
21.8195	7	3	4	420589.5	4326975	1226187	3240140	639704.5	3017801	3092181	5082375	4671091
10.72028	9	5	4	202266.3	780750.5	258061.2	558945.6	84594.03	1114440	579743	1005013	620049.7
10.11782	7	3	4	670706.1	1655037	743045.7	1018836	203161.7	1755498	2896462	1048876	1385059
31.33717	10	5	5	1154111	8738232	2372301	6711789	601156.3	12714240	7950045	6441492	7840286
9.4775	6	1	4	500110.8	4414351	1055047	3105781	1358185	4755974	2800206	5267643	5300111
27.96817	10	5	5	777265.4	3261864	968563.7	2387012	579280.7	3485111	3045188	2479206	2479019
9.952017	10	5	5	8465042	30078211	3437729	25140024	5402954	35037915	28707290	27076554	27375131
42.36633	10	3	4	376546.7	3989430	481334	4919931	1067117	3619013	4459663	3482062	3855619
39.57533	4	1	3	281818.8	5415558	817104.5	4165251	1389197	4616116	5348343	5136743	5184171
9.8445	5	2	3	1905910	6359482	1990584	4120780	2194613	5188729	5662738	9045530	7745161
9.3919	6	3	3	572281.1	4427493	1177468	2530417	2128879	4783319	2684761	5532720	5316930
11.07685	5	4	1	239180	475820.2	374170.4	157529.4	43482.78	1128538	302976.5	405592.9	183642

9.445217	12	5	4	555938.6	4946514	1535494	3070519	1936165	5798694	6894158	5213639	3151325
9.536783	15	5	5	1186504	1321495	736253.1	2218023	923994.8	1363371	1113337	770560.1	796232.3
22.8425	3	0	3	39929.86	151058.6	44473.39	235044.2	96227.61	206045.8	170057.8	115740.8	96143.48
9.616167	10	5	5	1056163	3571112	686637.3	2541981	1139278	3649934	4513369	3287541	2636915
9.4468	12	5	5	737902.6	6218862	1937400	3989235	2226856	7685382	6817599	7929072	5438605
9.952017	10	5	5	4319681	15768523	3003938	11281005	4970956	19278670	17528493	11916486	13505086
9.976317	8	4	4	1015111	1022757	449835.2	2164940	1333947	855945.2	417105.2	1642826	1195571
10.43382	6	3	3	94830.68	432074.9	168445.2	288628.8	44071.05	526111.1	511973.5	163176.3	583125.7
10.72028	4	3	1	81996.13	212919	76282.28	145665.5	39613.38	144606	285666.9	258156.8	117241.7
14.50237	7	3	4	57365.05	394868.3	86645.77	265675.7	143186.5	350152.3	448904	293896.6	367498.5
10.94835	4	1	3	1188064	5211362	2414760	2652379	2390811	6018335	7144591	1081530	5229925
16.56375	5	4	1	58590.46	187711.8	107187.7	300861.3	105292.9	136658.1	62693.76	187075.3	353871.8
13.77065	5	3	2	64567.63	395408.8	152450	256996.9	95360.04	545002.2	543312	396125.6	292369.5
43.3585	9	3	2	230619.3	2731169	1267759	4000453	1107071	1131796	1936596	3998911	2587808
9.46265	13	5	5	572369.1	5943998	709184.5	3976587	2306346	7119305	5569459	6055538	5312416
10.58257	8	5	3	248190.5	890625	244630.5	678854.9	105896.7	881361.2	781876.1	1310062	795178.2
9.766367	11	5	5	9247442	24462451	1659846	21258108	3691640	25209497	25502994	21555391	24633638
10.64708	10	5	5	346103.3	1376191	393513.5	1011809	270148.2	1376080	2005579	1214788	1351751
9.431017	8	4	4	575847.1	3760011	1224179	2547054	1042835	3306061	4452928	3949861	1936214
11.60508	10	5	5	323621.5	2447734	448467.2	1575612	1005778	2978062	1778945	2598120	2278557
40.71183	10	4	3	395556.9	7439583	4156476	3919488	144790.5	4362586	7747547	5466146	14522636
9.949233	10	5	4	13298968	3993924	1241048	28483039	28918183	3357744	5032839	4450228	4996108
9.845483	10	5	5	1768810	10063674	1273275	7642922	2787455	9238139	8579064	9766318	11603422
9.932033	10	5	5	721069.1	2499319	301348.6	3044014	624119.9	2784896	2440008	2568882	2690209
9.43325	7	3	4	2774619	17979936	4148509	12262219	6225885	15328179	13467133	22467816	22294845
31.1395	7	3	4	35909.62	112737	88433.12	194656	61118.39	115612.7	79875.31	98033.76	14709.93
8.8977	10	5	5	303193.8	4320518	1057013	6221045	2178507	3472379	5946234	4390445	3287344
9.976317	10	5	5	4498705	13264117	1263526	11344037	2145331	15250382	12677422	13621900	11924799
9.845483	9	5	4	893568.9	3589469	212274.4	2697577	1055258	3758938	3768907	3277860	3467069
9.88815	9	5	4	1268406	3061093	726353.9	4540913	1718866	4156942	2485850	2558223	3455668
44.07783	8	4	3	304222	6264719	2333189	4292004	521691	3227863	9381470	7430233	5048507
9.8322	9	5	4	1177896	5675744	959413.8	4513932	1206426	5060500	4672262	6385799	6960555
9.40325	5	2	3	370177.8	1693885	306383	1188479	574234.7	2082653	1853667	1274316	1714412
9.960467	8	4	4	522897.7	1521927	204624.6	1239485	308845.5	1797076	1681362	1422142	1341186
9.82645	6	3	3	739227.4	2825109	548664.8	2047835	856459.3	2342363	3537339	3068948	2970771

3.672567	4	1	3	59915.69	736031.2	500592	1260507	489728.6	2685.475	553499.4	1305261	755813.2
10.49903	4	3	1	132917.5	445509.9	89536.27	314418.8	145731	323339	550069.5	389930.5	467256
9.43325	5	3	2	413513	2915078	1212281	1553918	1351930	2448966	2353274	4247796	4089896
9.465	14	5	5	2969342	28092909	3878141	17916595	11983395	32145553	24936059	27132850	24072480
9.481367	8	3	5	5444464	31208918	25705225	9543881	3791076	23077223	15884267	50200227	2045363
18.26783	4	0	4	209713.5	111280.8	18187.06	964008.4	1012290	117813.9	99190.68	85800.37	125512.8
9.568567	8	4	4	270402.1	536204.2	183276.1	369342.5	119665.3	383728	853031.8	459721.5	514873
41.302	6	4	2	305065	5089215	1596089	3698070	797551.7	7007058	6062029	5291125	4152345
9.388367	12	5	5	824038.6	7263865	1616687	5300027	2047882	8942769	7211427	8810736	5997672
9.845483	10	5	5	1962975	11423362	1318489	8807012	3040690	10424765	10031858	11047436	12642975
10.00385	10	5	5	805642.8	2569206	337524.4	2051338	582389.3	3033181	2721769	2118273	2479714
9.856867	10	5	5	1280291	7072371	741752.7	5750985	1520548	7549554	7378032	6198706	6372047
10.97857	3	3	0	645220.3	919270.4	565342.7	1568346	655859.3	554559.1	572759.7	1653605	414839.6
8.9256	9	5	4	1246475	3081081	2046984	1309366	959280.8	1786822	3308018	1678167	6553917
10.046	12	5	5	2320288	12544292	3082918	9256570	3134869	17272424	12421971	12829477	8756206
9.40255	10	5	3	6429149	5781153	2949144	15036350	10956187	8766302	6172140	8330979	1905572
10.97857	4	1	3	314762.9	1433791	541557.8	922400.9	408667.5	1228443	1905051	921987.7	1001440
9.9351	7	4	3	930227.8	2162239	843934.9	1407680	507582.9	2712975	1629804	1009396	3109949
9.577683	4	3	1	364244	751482.3	288318.3	410957.2	350420.4	1043157	634149.8	873830.6	898676.2
9.595733	7	5	2	354558.8	863750	350835.1	526105.4	280917.7	889796.6	942569.1	681535.5	1376374
9.36565	8	4	3	870657.1	1841274	1373476	3267466	1325060	4021700	1287073	854237.9	713647.7
9.392767	10	5	5	1827385	5952492	1193622	4207956	1944891	7055225	6550007	4586051	4736060
33.15283	4	1	3	100182.3	770381.9	162434.7	540757.1	253935.3	484293.8	868134.8	871837.3	819770.9
10.97857	10	5	5	779551.9	3049287	455358.3	2430499	676594.3	2745560	2983407	2552928	3246158
10.58813	3	3	0	118302.2	244823.8	108740.4	149219.6	59231.15	374420.3	347061.2	205250.7	147692.1
10.99268	9	5	3	6479373	1911355	285706	13970363	14356885	2111580	2107090	1513157	1700879
38.9135	7	2	3	365245.8	4298657	779474.7	2764842	1785865	5666436	4027322	3941930	4134997
10.67637	7	4	3	222746.4	510612.2	325604	236532.9	76238.26	1002296	665119.9	398869.3	283020.2
12.98132	10	5	5	207685.8	1131772	234372.6	713119.4	483316	1295770	757970.7	1103868	1140926
9.845483	8	4	4	841205.3	4400096	1075023	3408386	751973.6	3212303	3281893	4932241	5516164
9.960467	6	4	2	511451.5	1133113	279283.9	785024.9	369015.9	1406384	1407259	1004844	753437
10.94443	3	0	3	147092.8	152760.9	80881.34	311587.2	185113.4	129389.9	211185.7	77696.72	83961.71
28.21417	10	5	5	259117	1858666	371736.7	1492855	318282.8	1964660	2387328	1625681	1405756
16.38833	3	0	3	419245.8	19438.55	33054.97	1322210	1554172	0	7004.473	6060.489	5764.613
44.60983	7	3	3	330127.6	4718125	1451486	3498135	345589.2	3949017	3818803	3884274	7234360

9.8445	5	2	3	3496455	8418917	5524844	3680989	2434628	11693707	2036963	13272343	12318707
41.7475	10	3	5	316768.9	5064877	998871.7	3851883	1273272	6703457	4720656	5095101	4795885
9.659033	10	5	5	1029186	3807269	817369.1	2794468	1073525	4495582	4604547	3132105	4026033
10.30302	6	4	2	291638.4	913874.3	496718.5	489955.1	205635.1	1576090	1279595	618843.1	375641.3
10.11782	9	5	4	733038.1	2084500	1083212	1161289	438927.8	2467416	3707656	858586.5	1465346
10.9645	10	5	5	244444	1137500	147258.3	858110.8	325390.6	1302593	1114042	986642.5	1007699
9.887133	6	3	3	846027.6	2301945	997074.5	1339385	815097.2	2118657	1015674	2473598	3792563
9.3919	5	3	2	403828.3	2898056	1227795	1448449	1502019	4531728	1264475	3574877	2610875
9.946367	9	3	5	1854635	7070892	1987970	5089415	1768140	4044505	6202315	7625900	8673891
9.960817	3	0	3	293291.8	167271.1	232910.1	451412.3	299661.9	183741.5	0	561012.2	0
9.992233	8	5	3	21766106	1210831	484349.5	21540279	24334315	1648762	451460.2	1486308	1449459
44.00583	10	5	5	1223998	26766977	9897585	18496600	1042750	29967518	42751739	19373066	21847049
9.071517	5	3	2	314013.4	815183.7	326768	536345.5	139812.1	795683.1	825611.7	1327398	700874.6
9.527817	12	5	5	907230	1455034	336396.4	4022951	3074323	1501129	1621632	941186.9	1367511
9.488133	16	5	5	2989034	26052793	6841556	19455250	5612395	34525343	28303951	29398078	19347319
9.999217	4	1	3	1390192	4070319	1978231	2019457	1928255	7121048	3098626	1790616	3866281
9.37735	8	4	2	2001090	11213450	2663277	8764105	1876815	12368031	12420613	9123783	7823325
10.29105	11	5	5	836273.9	4277660	1015015	3002894	1365809	5514458	4662785	4015757	2746296
10.97857	9	5	3	1497997	682429.5	219009.6	3431635	3296241	786631.4	996980.8	640274.6	562577.8
9.445217	12	5	4	1782387	16735912	4751488	11442444	5308688	22272093	18299629	19538458	12190033
9.473733	8	5	3	485805.4	1360364	393422.2	979134.8	327726.8	1757799	1801305	1112159	1189747
9.445217	6	2	4	394774.1	1873286	405943.7	1126493	870894.1	1292609	2287011	1677667	2207562
9.67	7	3	4	242155.9	1211201	306880.6	922907.3	234212.5	1661609	1331104	1152907	843432.1
39.9925	3	0	3	555299.6	7939867	341593.5	6794572	1371036	7785536	8213711	7408502	8126085
25.69517	10	5	5	871027.1	4404923	1021373	5641337	1306743	2983050	5667003	4007530	5033582
37.344	8	2	3	402758	7891177	2856734	5175634	2265594	6614943	6304634	12986125	6620123
9.494433	4	3	1	363538.5	392243.8	154684.2	213567.6	184173.2	536971.3	482901.5	477540	169252.3
9.992233	11	5	5	1978285	4638103	961388.2	3552829	1103774	5096948	4423703	3730654	3874775
9.999217	3	0	3	417480.9	135355.2	114607.4	499413.8	436264.6	0	92993.59	310710.3	165447.3
10.95835	9	5	4	357345.8	1053686	101535.1	1306541	301490.3	1127565	1032852	884570.7	1113862
9.9677	10	5	5	1927140	7320407	945521.6	5481325	2163449	8733497	6260373	6734825	7643561
16.0501	7	5	2	174644.8	1557105	300448.7	1121524	491561.1	1649429	1832221	1220545	1827249
9.445217	6	3	3	541147.6	2807670	553575.6	2217113	576664.4	3100772	3083764	2766097	3223096
9.979667	8	5	3	493487.3	929440.1	305108.1	1370493	497523.5	1059501	838072	1282823	463811
9.842	6	2	4	1334665	2394463	638339.9	3508769	1298508	3322365	2008397	2537415	1624893

10.6624	5	1	4	179217.6	491760.1	170230.2	344633.3	89016.97	257218.8	586994.7	497147.2	412367.9
9.392767	10	5	5	5055794	15635421	3066461	11841534	4069605	17643350	15858682	12538755	12635430
9.5876	6	3	3	538540.8	1824209	774736.9	1089212	616862	3104224	1358557	1672383	1103665
8.931817	10	5	5	689349.3	3019576	431530.7	2129505	1053598	3423684	3129053	3414328	2590067
9.445217	8	4	4	868195.7	4270183	1200342	2840354	1507090	3122510	5332647	5653429	4151014
20.54767	3	3	0	34273.64	80673.84	27799.4	54972.38	20404.97	66394.64	106860.8	59404.22	56154.15
8.9256	9	5	4	1816179	4312743	3032479	1736077	1366898	2718010	2636318	3052962	9706981
40.49617	7	3	3	266123.2	4921456	1223469	3762483	973286.8	4594003	4053735	7079693	4492883
9.392767	9	5	4	725357.7	2126611	583435.1	1413751	762491.7	2669736	2367796	1608981	1399583
9.970617	6	4	2	2130739	1802119	1151092	4635317	3389729	1472289	3557626	1890517	1736254
9.842	9	5	4	1315717	5856982	229666.8	4341786	1831779	5961935	6212172	5661786	5742014
9.530583	7	3	4	879719.4	2153108	457033.4	1589573	605908.3	1569505	2143385	1929416	2797237
8.978067	4	3	1	243904.4	560087.9	393904.5	223193.7	193361.6	768205.1	883338.7	856164.4	292731.3
9.68775	7	3	4	774576	1565192	1088434	653878.7	396109.7	2128532	3117026	1436510	463376.8
10.01477	7	4	3	324700.3	701931.8	267728.5	445884.3	219825.4	761637.1	494687.8	509364.7	1141504
9.976317	9	5	3	807036.1	1007434	237099.8	1509634	597722.7	1193469	1322791	894476.4	849318.5
9.415167	5	4	1	1553622	2800254	2493076	6154215	3730073	2018853	1185976	7206655	1472896
9.388367	5	4	1	636064	1054957	341710.7	518057	619385.4	1402985	1076626	591791.9	850113.3
19.88283	5	3	2	89118.03	292622.8	55577.82	196854.1	112054.1	226919.5	261585.2	275505.3	337295.8
9.445217	14	5	5	1453232	13059552	3842537	9270700	3429542	17584772	14592385	14964693	9747802
9.976317	9	5	4	649099.9	2023806	180537.8	1556611	561784	2244860	1797982	1893517	2138337
31.3215	9	4	5	265914.1	2199662	721583.8	1602140	190886.9	3350227	2198296	1382281	2167485
9.43325	7	4	3	492700.7	1648319	295458.6	1200321	514126.2	1479292	2046975	1767726	1265816
22.56683	8	4	4	173091.7	1549162	387078.5	1050911	547325.3	1090244	2093578	1492598	1324093
23.08917	8	5	3	636859	4701540	704202.2	3829169	943943.9	3574768	4767320	4615951	5424849
9.388367	5	3	2	418477.5	2042436	716264.6	1250935	803781.3	1869975	2404539	2860542	2136144
10.9645	5	4	1	150373.1	389618.2	102107	232172.5	181383.4	483554.3	344607.8	313732.1	291897.5
9.388367	10	5	5	12281706	48723324	4472396	39735414	10686195	52428475	45988204	42665634	49126764
10.97242	7	2	5	1434163	5567894	705939	4157715	1675933	5656454	6522577	5302684	5770966
9.36565	7	4	3	516454.8	1168146	272679.1	686680.1	565918	1629648	1174139	1096200	992610.6
9.43325	5	2	3	1567642	12438629	4432615	7979539	4155577	16942576	9959801	14006900	15292012
44.9835	14	4	4	358033	3067015	787915.5	5430983	2857168	2491512	2086903	3297713	3368569
40.8845	8	2	5	396549.9	6452692	847718.6	4609933	2203822	5044211	7056240	6861293	7025641
9.358417	6	3	3	291141.6	1367309	683964.7	714980.6	562841.3	2148372	1986418	1185464	984691.3
12.98252	9	5	4	115357.1	785339.5	125098.6	587479.4	229218.5	990455.4	708697.4	773847.5	788806.8

15.6697	8	4	4	61216.67	309192.9	137579.8	180871.7	106132.1	409048.7	346578.8	455524.3	130499.4
11.01157	10	5	5	246188.5	748064	342884.3	1088312	312032.1	1009887	624801.2	359126.8	553943
9.903567	10	5	5	963558.8	3213779	610394.6	2589448	593708.9	3000663	2537110	4160310	3396945
10.94443	3	0	3	147335.4	269832.5	83935.87	458242.7	225902.5	304972.1	375281.2	160000	213892.5
9.392767	10	5	5	2142861	7079651	1340737	4986802	2422255	8283878	7609467	5792990	5495103
10.45433	5	3	2	276461.6	742034	450055.8	370797.4	111774.4	1428683	940327.4	425156	320828.1
9.872883	10	5	5	2985506	13733619	1134139	10378402	4060542	14081417	12406122	14721267	14798847
9.554967	6	4	2	273155.9	649155	206401.1	371366.8	310757.5	482179.5	971408.7	487248.1	573597.1
11.287	5	3	2	95040.62	324486.6	56582.92	225729.3	116335.5	261056.3	281974.4	362001.5	318530.3
9.356517	6	4	1	5.26E+09	1.16E+10	2.59E+10	3.63E+10	2.14E+10	39873037	44843438	50151442	21113042
9.845483	8	4	4	1065845	5062285	621719	3559243	1811470	5202291	4090480	4973581	5248127
44.43717	4	4	0	295560.2	3541709	1018656	2706154	105551	5289611	3535626	2729814	3120848
13.0989	9	5	4	188029.5	908486.1	331622.9	1219539	262605	1467161	787783.6	589761.9	801357.2
12.27392	8	5	3	74976.94	366492.5	104749.9	233220.2	146687.5	222526.4	315945.6	361384.3	484448.4
22.03	10	5	5	123702.6	777609.1	210006.2	548880.1	231783	1105086	694708.4	687627.2	845656
9.872067	3	3	0	530209.3	1293287	381790.6	800383.1	546014.6	1475265	827280.5	1828939	1083222
9.960467	6	4	2	456735.2	885467.7	257021.4	668606.9	120192.1	1279965	992122.3	640522.3	804360
9.40255	8	3	4	578107.4	5818766	1300113	3886301	2226344	7206516	6334158	6306278	3764829
11.68858	3	3	0	153391.4	330376.1	338806	53168	18576.38	439817	190538.2	874135.9	64187.6
9.842	5	3	2	1195370	4606055	1221847	3292311	1320697	5977637	3096675	5748745	4131290
9.94455	8	5	3	719493.1	1673550	253617.3	1244787	504738.6	1865342	1533323	1972250	1656967
11.01378	4	1	3	384520.1	1703418	601719.6	1120345	523486.6	2238552	2096130	1754723	701166.3
11.63327	7	5	2	106513.2	406899.3	64950.94	272392	161572.7	463457.1	455183.4	404411.4	300495.5
9.848417	10	5	5	1497289	6499337	569880.6	5185589	1587462	6359195	5859868	7082061	7103522
18.51533	7	4	3	62063.99	372893.6	102000.2	286430.6	50938.41	319580.7	310230.5	273974.8	511744.7
9.842	8	4	4	817142.7	3205398	636572.6	2340678	976585.3	2901297	2561363	4195073	2926441
24.68067	7	4	3	145480.9	219660	66590.12	384145.2	199373.6	157200.3	330319.3	215755.9	180278.6
10.01477	9	4	5	495252	1566253	356341.2	1181008	390423	1416595	1470065	1206409	2154886
9.8207	3	3	0	2302954	3285803	3463802	6584947	2897777	9384154	2779624	1659726	1167637
9.61395	10	5	5	1454633	5835253	741340	4939559	970504.1	5314281	6998020	5205371	5530902
9.928667	5	4	1	1869141	3732080	221540.4	2262078	1801820	3708158	3576373	4069282	3502655
9.999217	10	5	5	2537168	5244006	1803695	3279306	2004591	8343338	3802736	4240900	5150449
9.967367	12	5	5	1138733	4832403	1565068	3401774	1159670	4791255	3658997	3336786	7307712
9.976317	10	5	5	4342409	13023207	1149242	11253345	2061079	14861044	13009040	13136739	11965393
9.3494	5	4	1	470981.8	1631369	551403.4	911986.6	804158	1712794	2074978	1515610	2103344

42.81217	6	4	2	396023	5626570	1649122	3980300	1549973	4775611	4314970	8255267	6234717
9.976317	8	5	3	907942.8	1012024	550238.4	1784496	882749.5	901999.5	216453.1	1567375	1500404
10.89355	3	0	3	505531.6	1398116	709687.1	753905.3	515017.9	697472.1	1949476	755556.7	1297382
28.37367	4	1	3	86031.23	807004	247838.8	549571.2	252898.7	921918	378075.1	913331.8	822421.1
9.8322	8	5	3	2360112	6974730	834588	6062383	935926.2	6556560	5831916	8035023	7391946
44.94033	7	3	3	265012.5	1906477	737071.5	2727970	854274.9	2271642	2498424	2034941	627615.2
23.16083	8	3	5	300774.7	1204313	990404.9	393709.5	273636.9	2420800	2111957	249826.5	731011.3
21.1955	5	4	1	403026.5	1840923	1683445	3260462	826222	413961.1	3128247	225204.2	4039839
27.37	5	3	2	198792.3	433621.9	257211	796751.9	416360.9	310424.4	740544.1	670873.2	295080.5
9.992233	9	5	4	360536.8	1136031	113980.8	822456.8	382899.7	1191947	1042728	1113389	1028532
16.54873	6	2	4	64636.73	319953.9	101688.9	205150.2	120547.5	343303.6	463805.6	183829.8	327987.8
9.972483	8	4	4	1061236	2754925	1010188	1764176	917517.4	3113059	3902985	3169898	2350207
9.928667	4	3	1	586948.6	1091612	271490.5	615847.7	566635.7	1204287	1328206	923992.4	1302085
9.976317	10	5	5	1440919	4486393	350382.5	3567175	1122162	5013392	4535349	4547716	4213160
9.559117	8	4	4	265510	673325.1	125219.5	443734.7	274873.2	664179.2	887742.5	583534.8	646656.6
34.9195	10	5	5	1115750	21100024	2527774	18425040	2687633	21996163	24487956	17780138	21564229
41.5175	6	3	2	285934.1	4446172	1565544	3161660	526031.8	3735524	2885842	6762453	3558106
9.445217	8	1	4	1132459	4679374	971861.3	3243918	1666554	5728777	5378870	3755007	4971781
10.05268	4	1	3	329964.2	729460.4	139819.4	589754.6	132721.8	789491.1	528138.5	674118.1	751395
18.385	5	4	1	289895.4	1094583	442034.6	2231620	1388667	1046568	850649.5	816803.1	889389.2
9.848417	9	5	4	5747458	33098911	2744868	27935016	6201723	31344129	29934258	32717603	34555843
14.06322	12	5	5	1560139	14115128	1370739	12134813	2291352	12084032	15588889	13453253	14588606
11.34257	3	3	0	119378.6	373545.4	264033.1	156000.5	100829.4	730411.9	565909.1	205483.9	100477.6
9.36515	10	5	3	1085494	1863594	1081074	5123318	4000397	1035215	1089870	1759843	1735632
12.32473	5	4	1	86209.65	182729.5	98796.94	308992.9	141155.3	126005.5	123236.5	89638.42	316670.2
8.9343	4	1	3	241865	660006.3	366576.7	345232.3	211799.7	1081302	912460.8	658331	511645
22.103	3	3	0	27833982	25654724	35837823	55479143	15995312	251382.9	50606790	231395.8	76594458
9.992233	10	5	5	714698.4	2991160	188796.4	2429408	689455.7	3120666	2855704	3106988	2726455
9.43325	11	5	4	2112671	11001319	4122145	7618979	1464580	7799487	10087329	9078870	18201067
9.473733	6	4	2	261755.4	955263	414208.3	536299.6	404906	625644.7	438533.7	1019510	1328315
12.2954	9	5	4	105061.9	238828.6	64017.37	534953.7	365230.2	163801.6	340904	228271.5	237547.8
9.445217	11	4	5	1492747	10456732	2025997	7058117	4039614	12362018	12120437	9517177	7456651
9.853633	9	5	4	1463805	4624873	1143982	6503195	2226428	5168183	3511476	4242650	6346097
9.43325	6	3	2	865304.4	4918103	2864318	2463934	1641613	7914224	4202649	7641844	3717408
9.45945	8	2	5	3112255	26839609	5504009	17488535	11141491	30012235	17691170	31675598	26109413



9.928667	9	5	4	2011924	5045658	863933.1	3896567	1304051	6283225	4886527	4163743	4385462
12.1081	8	5	3	509696.5	9028008	4343390	5183539	2937650	9291122	5465175	7635787	6386409
15.08792	7	5	2	282980	252607.3	37352.75	1005694	931875.3	232456.1	208344.7	244674.5	272414.4
9.8322	8	4	4	716537.4	2274323	691276	1579624	669042.5	2853880	2268282	1153073	2838292
9.388617	10	5	5	5683288	24545843	7477067	17030025	7245044	27465043	16766620	18175962	25113156
9.419733	11	5	4	1409716	9833054	2047871	7304353	2799919	11599893	11393479	9340821	6550402
9.379233	7	5	2	1595332	1805146	719772.8	3337395	1864828	1859800	1423453	1008478	1793597
9.43325	10	5	5	2481916	13041757	3842062	8138915	5499216	16788568	15681880	14782036	9973772
43.3445	8	3	2	328293.6	3996445	840167.6	3300220	369358	4129927	3513658	3476518	3450111
38.32367	10	2	5	270423.2	4204462	1184099	2824126	1489527	6108546	4609829	3556672	3277938
8.9536	7	5	2	436670.8	959782.2	799297.8	299502	338148.9	574941.7	123222.5	1024935	2257237
9.43325	7	4	3	712077.5	3034055	572737.5	1987697	1259660	2990748	3749102	2710451	3422848
9.848417	9	5	4	2223170	12510891	1085081	9958283	3123544	11802845	11552151	11999194	13028135
27.01267	10	5	5	215551.7	932584.1	316803.6	664433.9	170351.1	542836.9	1290467	910770.5	714924.8
9.4468	7	4	3	977305.7	1949147	1046182	3279021	1490986	846996	2465324	3477507	1719702
9.830833	5	2	3	964301.6	2170917	1552862	905154	508999.7	3216747	1157628	793785	1306243
36.42433	4	0	3	269132.5	2325731	90259.91	2658452	411462.6	2341760	2409298	2172851	2335713
9.45945	10	3	4	632551.3	4499441	1355007	2961530	1639725	3387767	3409904	6645355	4130357
9.992233	8	5	3	21819286	1348521	310046.8	27322484	32237719	1453806	1099442	1574961	1665459
11.04868	4	1	3	1.4E+08	7.78E+08	4.47E+08	3.24E+08	4.46E+08	992093.5	1.14E+09	9.21E+08	8.7E+08
11.16097	4	3	1	157422.1	333413.1	225169.4	148641.5	88310.03	692989.5	407697.4	241477.5	139177.5
27.73117	7	4	3	350737.3	978993.2	644042.4	1830635	969698.6	1991010	991263.5	245775.4	999087.3
11.48157	3	3	0	110766.1	245868.4	248010	46050.41	37313.33	676762.2	239018.5	94709.28	98529.61
9.416767	13	5	5	880013.8	7895333	2510346	5303447	2583680	10936093	8062095	9712679	5437313
41.57517	5	3	1	208346.8	2051982	275088.4	1541455	617305	2406006	2166779	2058438	1654348
10.8888	3	0	3	109256	82850.57	106994.6	190155.1	103920.7	16728.17	178517.2	0	0
9.392767	8	4	4	706931.1	1931878	631172	1254080	698290.6	2676039	2179553	1007543	1651430
9.4468	8	4	4	963318.2	7881417	2748804	4903115	3088639	9434289	8434539	9741421	8742900
9.35985	8	3	5	3552365	12998541	9980395	4935769	2420682	25862039	8334887	5345515	21457130
14.0634	10	5	5	1435157	12753630	2298668	8644610	4952726	16203129	10194565	11191428	12985752
9.840617	6	2	3	739591.7	783513.2	610873.8	1758281	1158196	1388063	225795.2	1452562	662498.4
9.445217	13	5	5	6121936	55970219	13081410	39013000	19216181	71480672	64054739	59254325	40723500
9.516467	12	5	5	2445576	15273126	7470820	9203300	2428962	9316981	9899007	10493219	25100148
11.17508	8	3	5	86011.26	303759.4	74514.38	231375.7	67602.7	334409.2	359426.7	277505.5	362266.5
10.9645	9	5	4	264130.8	949762.1	240310.5	693490.8	263006.6	1000114	1201911	587041.8	1105377

41.54633	10	4	3	359066	4540556	2380670	2613824	696745.6	6147587	3213729	5433088	6856176
9.960467	8	5	3	512411	1328169	237354	1116154	169961	1627727	1490204	1327852	1058990
9.43325	5	4	1	456953.6	1935122	519359.1	2688198	881061.8	1418355	2795826	1798820	1706922
9.872883	10	5	5	1384198	7282432	541984.6	5807871	1822265	7744346	7440292	6685492	6732450
28.23	10	5	5	281797.8	1809559	455412.4	1438848	162510	1927990	2381067	1317822	1373183
9.840617	8	5	3	1797893	8349857	1066741	7038700	1460561	6841592	7791356	8517103	9041850
9.43325	9	5	3	538715.3	1577721	791009.8	3480071	2342500	1098104	2926355	1650684	1156507
9.830283	11	5	4	303709	794360.9	157956.2	503112.1	353092.2	768709.4	1045180	752114.6	797021
9.554967	11	5	4	9880963	11634014	11964565	43641621	39570460	8892508	14263109	30944433	1327463
9.858833	6	2	4	1246913	4694125	1966244	2863143	1611058	6455737	2074466	6310668	5454548
9.447983	14	5	5	3384418	27417858	5890085	19968609	8396606	34324787	30877255	28320725	19064184
9.920517	10	5	5	1604716	5622987	813604	4773440	860207.7	6747822	6039508	5597978	5036252
41.10017	9	3	3	235599.2	1845233	858435.1	2624384	652117.8	2267539	2215720	2729807	1477078
42.97017	5	3	2	327519.4	3403337	1110886	2451713	667020	4683950	4544915	2636270	2443503
21.49583	4	1	3	105450.4	403513	119966.8	261868	155260.5	429033.7	536757.5	235531.9	334287.9
23.0595	5	3	1	113973.2	477551.1	252741.9	689955.1	134905.9	140743.2	616140	669592.1	687966.7
9.45945	12	5	4	1114669	6156507	1499864	4192960	2240675	7549851	7753629	6164292	4732665
10.94443	4	3	1	549723.3	1318462	772837.5	1963212	389902	552239.7	1241435	1778201	640969.5
44.13533	11	4	5	311093.8	3206756	1553218	5835719	3162177	2951051	2655244	4924442	1031715
9.845483	9	5	4	5653026	32596518	3501210	28121623	5070260	31676177	28593235	31927156	38227776
10.75735	6	4	2	197472.3	471746.8	331167.8	203373.5	111679.3	894953.5	709484.8	135717.8	172605.5
9.388367	8	4	3	1036236	2050015	978207	4571981	3120108	1489751	2824222	1585085	1020820
22.40783	8	4	4	290331.2	2307562	657768.2	1757466	341062.3	1614215	3203486	1982900	1959723
9.845483	10	5	5	731074.6	3240105	232273.2	2510897	906111.4	3016309	3305118	3046894	3592471
9.445217	13	5	4	603259.4	4766815	1299798	3395300	1404965	6383826	5890515	3873131	4276918
43.1	7	1	4	371740.8	4841032	1056636	6619480	2140046	5004096	5602225	3039793	5619306
9.989483	9	3	5	2344202	6018273	1786939	3664261	2696920	6515936	3449029	6824337	8146595
26.43333	10	5	5	603509.6	2770293	1561131	1514420	420203.4	5166392	3130798	1160326	1636669
43.54583	15	3	5	464071.3	11522641	6794997	5852109	3496281	8755675	23031316	11507318	8963204
20.8275	5	4	1	481218	1909183	3448106	5163645	2949805	394227.4	396114	316021.5	362481.4
9.419733	8	4	4	1722218	14693300	4071397	10659888	3900460	17592765	15253436	15485022	17462571
37.94917	3	3	0	209550.6	1751124	519826.5	1335201	84716.9	2042046	1315249	1448152	1420946
42.69717	5	3	2	321406.6	3911573	1602392	2543276	962269.6	6543023	3106047	3005349	4304096
9.848417	9	5	4	2889283	13257709	2158407	9304793	4809426	13527430	11179797	10902379	15460687
9.93625	6	2	4	3387901	7825035	6412646	2572167	2777446	10998695	1798451	16695672	1552621

10.02372	5	3	2	440446.7	312394.9	191005.8	542676.5	256318.3	378047.8	0	509911.5	380640.5
10.95055	6	3	3	266509	735696.3	145326	531924.3	238278.4	837334.9	903414.9	627009.8	552166.2
9.388367	8	3	5	1907965	15048325	4492913	10055113	5333403	16582150	7157582	17019039	16095666
24.95733	6	3	3	371796.8	691965.7	333130.9	1483495	980467.3	1084453	561699.5	971332.4	576390.3
11.27298	10	5	5	973777.9	3467776	898005.6	2144153	1565466	4382298	2521864	3956812	3997466
31.48117	10	5	5	849585.4	6976149	1432715	5806345	604388.3	9107184	7304034	5429575	5906057
9.840617	10	5	5	4158282	22875314	611174.9	19295555	4486449	23577289	21980374	23155978	23074193
9.1503	6	2	4	1654419	8750546	1261501	10837142	2515596	8635414	10009713	6887550	8389754
16.433	6	3	3	557608.8	5672384	3346615	2968777	1176097	4849347	11384741	2841456	5467283
9.3919	13	5	5	794509.4	6461728	2318476	3822626	2861962	9380355	7397317	7270999	4667869
39.3595	6	3	1	512439.3	6912545	1321772	5838730	522324.1	6384847	6301004	7584231	5446998
8.9536	7	4	3	471745	1001076	685032.9	434910.9	334038.3	690332.7	1188587	553840.2	2117761
10.02372	7	5	2	1308365	414702.8	136258.1	1318652	1134328	319725.9	372306.8	601691.1	506624.8
43.2725	7	2	4	312138.9	6433040	1927947	4697621	1454131	5709755	5284645	9868248	5690099
27.34117	5	3	2	174824.6	443513.9	404050.7	120325.4	99034.08	281645.8	628078.1	1063065	158979.2
9.999217	6	3	3	742383.3	2863372	497459.1	1844089	1255199	2325752	3116879	2369586	3039982
40.89883	6	3	2	331759.5	4203556	1882832	5893767	1408651	5022761	4490276	904657.3	5564259
10.01477	4	1	3	1769270	2869426	2024818	1184818	1051180	5339819	493318.1	3513551	3907930
9.406667	12	5	5	7401389	65495349	22727500	44414858	18768117	65617631	60488934	60861922	38835050
12.06353	3	3	0	131495.9	337287.2	372833	40736.34	8636.362	152701.1	88224.08	376874	98025.12
9.960817	4	3	1	445971.3	717841.7	469024.5	315001.1	296551.4	948284.5	1347398	715594.3	112023.4
9.43325	13	5	4	3845205	3363623	1217418	14736312	14301008	4727899	4547828	2978240	1984737
9.8322	9	5	4	691410.1	2300224	502437.7	1548823	894096	2825609	1794005	2390463	2726852
9.406667	4	0	3	538434.3	3917775	759661.1	2764908	1375496	4116678	2606682	4202936	4582794
9.9847	6	3	3	321029.1	883556.9	295540.8	487906	459199.8	1141034	1149761	925554.3	759554.5
9.872883	10	5	5	2347053	11100708	1937665	8283195	3336251	10158079	9868638	9395380	14083840
9.904767	10	5	5	2195249	9617882	1787946	8017698	1332927	9300953	7214685	11369366	11401121
9.5415	13	5	4	3200456	24170147	4837683	15189301	11004339	25617316	19197592	31380488	24329372
44.96767	7	4	3	321799.4	5254376	2388482	3229428	1425153	8902628	4207304	4626485	2525305
9.972483	9	5	4	1449417	3508928	843162.1	2351134	1354549	4565968	3705090	3578041	3483714
9.992233	10	5	5	1061205	4846838	1160174	3738733	1038776	4382478	5312208	4205932	3694319
9.379233	6	4	2	1120164	1979696	622470.9	1128350	995434.7	2166640	1954209	1442853	1407247
9.896717	5	3	2	2058798	3878580	1173026	2908067	597103.7	4104663	5750674	3742262	2847255
9.419733	7	2	5	915334.4	8485898	3303673	4813701	3953315	10989492	6765673	10573531	10652500
44.696	8	2	4	271592.5	2510892	1114647	4689890	2685786	2881665	2895285	552612.8	2861531

9.365833	9	3	4	5710185	24701580	25598377	4392766	3061035	3625136	47287592	57272650	11206934
41.61817	8	1	3	380109.7	5419489	1169482	4338088	966490.7	7462192	4770396	5200851	5095356
9.388617	10	5	5	5723504	24661942	7546232	17184267	7344449	27891920	16020787	18588157	25941402
9.856867	10	5	5	6241367	38515300	4607292	30302384	10045147	35686997	32311856	38800290	43103655
9.842	10	5	5	1379805	5806911	452946.7	4393917	1773340	6234844	6099661	5111336	5610408
12.41208	10	5	5	806051.5	6106359	2062315	8323687	2339214	5954448	5233933	4573182	9688081
20.35283	8	4	4	241616.3	1875720	613934.4	1381490	224769.1	1365934	1965177	1261993	1987483
9.527817	11	5	5	2502652	9996633	2197981	7546113	2646455	11519730	10836072	10927976	10586633
9.311883	6	2	4	449878.3	3170568	1184030	2015408	1116130	4086500	1651646	2473746	4572583
9.799767	7	4	3	1741903	2104901	817400.1	1366156	633829.2	2330227	3224042	2357069	1431308
10.9645	6	4	2	253463.4	769322.5	111938.5	627133.5	162981.1	854534.6	915299.3	682875.2	654511.3
9.388617	10	5	5	5655686	24590125	7316646	17242676	7333418	27608293	16706020	18426794	25411375
10.05805	5	2	3	1327141	877396.5	644928.4	3660534	3508377	892840	263385	1875630	1001713
9.388617	10	5	5	1430492	5402492	1890734	3571907	1755414	6208658	3561013	3860123	5181795
8.9256	3	3	0	142122.9	224109.8	182720.2	78347.26	52897.67	57459.43	312175.9	23677.63	460882.1
9.4468	4	3	1	391413.3	1650564	319818.4	970620	844086	1606501	1604743	1906164	1971459
7.035967	3	3	0	56431.2	347918.5	85952.82	207114	170791.9	309165.6	411522.8	213697.7	404626.6
9.960467	10	5	5	1688685	6177800	688636.8	5116002	1276593	7254282	6036438	5888862	5393285
19.74333	10	5	5	3204624	13709115	2723020	10935889	2808712	12409411	17287151	10466292	12744508
14.19495	6	4	2	57807.8	217648	100059.2	351628.3	156327.6	269286.7	348401	132591.8	104510.2
10.44062	10	5	5	1657311	4831309	3179569	8510679	4066521	2247336	3666169	4167597	10371425
9.864767	8	5	3	1391696	1779035	686561.9	3611744	2298122	1222151	1454540	1230820	2222132
9.379233	11	5	5	964705.3	3134220	457621	2232075	1116111	3688827	3109172	2598735	2788836
13.74132	5	4	1	674227.1	2127461	2566773	98955.93	41458.96	6335131	161799.4	2617733	124164.5
9.37735	8	4	3	2615205	8988999	3309026	5850437	2938625	9313866	5072445	11545306	6244560
10.08665	6	1	4	305530.9	331125.7	267233.4	565232.7	187797	595309.7	465099	505000.7	90219.22
9.275917	4	3	1	350297.3	696793.4	355997.1	330057.4	376241	1172548	876422.4	621685.6	599430.8
8.911617	6	5	1	185522.6	473688.7	188056.5	304996.2	143686.9	340420.8	798075.5	462499.7	350851
10.96452	3	3	0	3258031	6766997	8884464	13931168	3588140	20428661	433678.2	11206721	764804.3
17.60083	7	3	4	62170.56	196862.4	60475.66	147806.7	26615.48	255042.2	165239.2	200306.9	111924.8
10.36622	7	3	4	330756.8	814312	611319.3	332058.5	28671.42	1634488	1270208	383559.7	202595
9.964417	13	5	5	2254504	5554937	2519896	3537442	899140.9	5557077	3228563	5158577	4075377
21.55233	11	5	5	4084892	19522528	11821022	9844339	5747827	37273479	20888133	8680593	8669458
14.40023	5	3	2	128351.7	1050971	96696.49	878829.6	211565.3	1020064	1218109	1029829	966586.9
44.72483	10	5	5	809370.8	9883755	495918.6	9193876	815297.8	9296426	9919999	9469692	10354783

10.44888	8	4	4	265215.6	717239.4	285728.9	452867.2	239476.7	800671.8	902813.2	1035481	347924.5
10.03947	12	5	5	5721320	33574029	4129688	26208303	9056257	31376507	28986485	31596046	37823878
9.912633	4	3	1	1081629	1886799	749252.1	1171636	678422.6	2689501	740440.1	1666830	2368388
9.92825	6	4	1	935806.5	2037762	306968.7	1447125	731285.3	2083948	1913826	2539272	1921084
10.80745	3	3	0	186358.8	470760.6	339026.4	202882.9	69660.93	881520.6	794555.9	290311.1	186300.9
9.859983	6	3	3	569792.2	3116617	1103922	2025805	1080315	3756809	1519165	2401282	3918404
9.960467	7	4	3	2704718	1707123	1183056	2992572	1378208	3429133	196212.2	2105833	1350186
16.35912	7	3	4	115138	845347.2	446329.9	450203.9	329312.8	1061422	629907.2	566814.2	442288.5
42.35183	7	3	4	385040.3	5760389	807602.9	4752693	1155936	5562612	5155392	5112752	5880422
9.845483	8	4	4	1200834	3852823	1190294	2737575	1035063	5066261	2023686	4493791	4308092
10.94853	4	0	3	11517217	24767657	18087104	9029770	12562642	10984737	52195026	9222516	17879441
9.473733	9	5	3	2430958	14762775	1800229	9709771	6375985	17183296	15519987	15034351	13542289
9.986767	10	5	5	7082125	14987740	4899699	10384520	4295421	18107447	18850750	16310586	15026119
21.711	9	4	5	439549.7	3291684	1819241	1748488	1136682	2054199	6464298	2896628	2908772
9.146383	6	3	2	740836.8	4195093	1573008	2903455	807953.1	3757862	2279588	3308809	5869202
39.79133	3	0	3	470542	6332650	102131.7	5064914	1613301	6291690	6189515	6466604	6371088
9.999217	4	1	3	295745.3	790079.8	251468.6	525432.3	278554.7	500521.9	535319.9	941422.3	941401
9.507167	12	5	5	2656140	31616680	9660560	23234321	6683057	36601204	15783472	29179390	36923469
25.21983	6	4	2	3039297	1874759	2221293	8387820	8238281	1321558	738846.1	1085504	5801522
18.32183	10	5	5	181922.6	1006414	324649.6	709293	266929	1350387	646693.4	1258219	1091615
10.97857	9	5	4	311072.3	1363238	349660.3	906997.7	532743	1232861	1245261	992421.2	1418914
9.46265	8	4	4	593353.6	3354606	1501869	1934867	1341897	1427242	2395282	3392926	4372992
9.979667	9	4	5	612972	1284720	583143.7	812319.7	266896.9	1180194	991938.8	1261653	728522.2
10.74945	9	4	5	223616.8	813428.8	260228.5	584665.6	189393.5	907648.1	1142457	854037	730678.8
9.392767	10	5	5	1377826	5270779	1922333	3470645	1680319	5672746	3467663	3654387	5329871
10.92208	8	4	4	170053.1	560946.8	252448.4	346638.2	160074.1	845009.3	444506.5	223316.6	519015.2
9.4468	6	4	2	429617.2	1702134	688531	925225	857576.3	1822797	2789233	1536018	926508
9.859983	7	3	4	1454341	3896331	1428007	2432679	1514410	5239505	2072112	2660049	4650288
9.445217	6	3	3	844801.2	5338560	867970.7	3961412	1680418	4648926	5720354	4988578	4654238
9.392767	7	5	2	732635.7	1352913	416736.6	816716.5	625150.1	1774257	1618985	856237.8	956315.6
44.75333	6	2	4	338005.9	4913221	2474927	2902038	1191509	3288252	3996816	4062938	3912190
9.9014	9	4	4	840578.9	2549399	573851.4	3823655	1601893	2863531	3182760	1928041	2821146
9.856867	10	5	5	14804468	96845950	4542195	90628372	7377156	1.04E+08	95387680	92741790	93758717
8.806967	5	3	2	113281	282728.3	146935.3	132615.7	155055.4	339303.9	420641.8	339968.2	277650.7
10.03947	8	5	3	221463.3	625454.7	149508.2	393379.4	282533.1	492694.3	849342	698973.8	579879.1

9.522017	6	3	3	509345	963875.3	421986.6	611784.2	247409.8	1278189	588029.2	1105754	1397454
9.859983	10	5	5	3308072	14515151	975304.2	12496431	2531238	14226497	13394863	15577545	15487730
9.920517	7	3	4	1221416	2774433	879640.3	1796926	1072471	3088534	2355592	3095384	1505596
9.536783	7	4	3	606455.9	1290551	351556.2	1877675	722529.7	1207106	1438154	1190159	831760.8
10.94962	4	3	1	1.51E+08	2.77E+08	3.82E+08	6.51E+08	3.71E+08	373708.6	1832901	6.07E+08	522678.9
9.8322	9	5	4	1331695	6335356	909545.9	4599738	2164499	5887823	5167013	7177471	7328567
10.94208	4	1	3	226546.2	276466.2	109296.5	408766.1	151290.5	175286.2	321463.3	446546	212190.9
9.392767	5	3	2	852154.5	793885.4	597118.8	1326694	461067	703071	741984.4	544922.8	190795.5
41.2875	13	4	4	281591.4	5275467	1192951	4181011	1000210	6138945	5499702	3960702	6642442
9.445217	11	5	4	1121202	6264878	2088059	4168612	2143124	7487872	7027806	6181616	7915971
9.132467	11	5	5	1476766	4985348	1027173	3493016	1802722	4898695	6771094	4263806	4609515
9.8374	9	5	4	3274147	16694789	1306290	12424698	5450479	17212451	15042396	15611620	17491968
39.69033	6	3	2	353330	6530661	966674.2	5497592	1111950	5987584	6330784	6188942	8234445
9.929783	11	5	5	11116453	67474599	4962446	51718490	20108034	67489148	61002553	64821631	70020185
9.419733	8	3	4	1445055	7940372	2593806	5291711	2755953	5014706	5306510	10613167	9611912
9.94405	4	3	1	1539603	2530392	1335187	1363480	972503.2	3725559	3844005	2691802	756049.4
9.636567	10	5	5	1180366	4982498	891386.1	3510742	1815908	5089179	5094890	5080878	6067597
9.3735	8	4	4	637070.6	5586696	434750.1	4260566	1692349	6066229	4875033	5632533	5670876
21.06033	7	3	3	341571.3	4456376	1487402	3272856	591407.6	5003738	4108600	3954337	2591280
10.008	7	4	3	4589747	2147408	2192149	6716619	5757466	925019.7	5958857	1674225	1697057
11.92417	3	3	0	84933.52	198996.4	146256.3	85017.92	19504.79	442441	220370.1	85963.01	95303.63
27.96683	10	5	5	3369022	22527657	5204739	18262307	2809152	24716807	20997215	18430254	17981162
43.24383	12	2	4	195000.4	2015473	400184.2	2496723	552224.2	1925354	1870966	1968917	2689864
9.976317	6	5	1	1258038	759823.7	141288.4	1286582	674874	749267.7	763635	780908.7	553685.8
10.64708	7	3	4	420558.9	807622.4	587813.5	347382.7	160044.4	1677104	1129179	472295.8	231211.9
9.433	18	5	5	695313.6	1716867	461871.4	1268886	445491.9	2021146	1981580	1407680	1057202
9.8322	4	3	1	545752.8	994878.9	532889.7	534185.9	376584.8	1403930	1619232	600342.7	344529
10.96997	5	3	2	180910.4	564092.6	153248.3	431921.4	107446.8	716775.2	500224.7	333074.6	596022.1
9.856867	10	5	5	4913706	29469931	3581937	23169848	7853149	27163909	24979924	29109007	33274187
10.00385	9	5	4	304575.6	798852.7	233384	524573.3	312294.2	1003585	424528.1	723530.8	930617.6
9.842	5	2	3	579363.6	1814808	321705.7	1277440	666283.5	2062586	1824124	1865615	1271940
9.311883	4	1	3	3426702	26503469	15886112	11111815	15314255	37210211	36189726	37853357	1456215
21.2385	10	5	5	709795.8	5280740	1560820	3977031	954484.9	5885115	6356946	3538266	3701871
10.10432	11	5	5	265318.7	653223	146821.1	1031460	482358.4	440967.4	636482.8	816754.8	763439.4
31.07633	9	5	4	496038.7	1151773	787823.3	2721234	1979066	1311806	996000	107257.8	2304636

9.536783	10	4	4	668061.2	6552670	2028473	4035147	2933335	9115898	6524542	7954626	4290712
8.66735	3	3	0	212235.4	499065.3	346914.2	207902.6	218329.5	442517.7	936161	698294.3	408406.1
12.63082	4	1	3	52470.19	145394.3	43702.53	107758.5	30654.88	168718.1	209138.3	101393.3	133050.3
9.979667	7	3	4	2049106	15275459	5875070	10300988	3853158	17777077	6003147	16224978	21926857
19.23333	5	3	2	68610.92	207486.7	110817.4	310058.5	96623.49	245607.4	66983.9	125513.3	253758.8
9.840617	10	5	5	3988813	21819081	597482.8	18254620	4593660	22419074	20979108	22027544	22233866
9.853633	9	5	4	2128105	4542907	1500765	7259139	3404156	5780479	5629967	4231519	4980645
11.26338	10	5	5	15670602	1.1E+08	11582188	85738832	30265392	1.16E+08	88997345	1.13E+08	1.16E+08
9.82645	5	4	1	585360.1	2006659	827108.9	1348551	353022.3	1723494	1730227	2272482	3263957
9.45135	11	5	5	8882216	87052203	22451368	53845211	40539534	1.11E+08	97732896	1E+08	62473342
9.4925	8	2	5	1352859	10082266	2838032	5579105	5561610	10706179	5358381	9848888	12435918
9.830833	9	5	4	2801900	12441950	930575.2	8513697	5059061	12710485	11918141	11118373	13475462
9.1322	10	5	5	545216.4	1410707	307820	1143668	222849.5	1562712	1533703	998146.7	1195664
44.98333	12	5	3	2929564	3874234	1502015	19320460	19942707	2429597	3038567	3236049	6220272
9.431017	8	5	3	393046.8	2993076	846591	1911971	1274655	3906362	3525642	3111592	1705186
9.848417	9	5	4	1965242	10499021	1796843	8947106	1282743	7953330	9405788	11045730	11763092
9.406667	4	1	3	864438.8	3597593	1821740	2144508	811841.8	4466758	775970.7	5075288	4898379
9.392767	10	5	5	12366885	44549415	7007446	34735520	11873654	51299805	47689754	37464567	36556476
9.2585	13	5	5	1194966	3632359	447889.7	2910810	894577.5	3527197	3566797	2973347	3981897
9.445217	8	3	5	1584735	7361359	6403866	2399754	1140412	2734590	1577442	3914096	15087914
20.8275	8	4	4	108969.5	691261.6	232856.5	483915.4	184370.3	608741.1	805083.3	1043006	504094.6
9.9014	7	4	3	2766993	9108887	2754020	6582981	2364475	8950499	5391519	12718968	7932791
9.419733	9	5	3	681039.6	4715330	2073844	2764853	1893061	7009938	5646341	5491358	3824120
42.75483	5	3	2	1091784	21344165	1788742	19940309	642110.9	23928703	20024603	21364498	19369052
9.362817	4	1	3	2014428	5315561	1389575	3631153	1957789	6400843	5692641	6097402	2913976
10.94208	4	3	1	326752.5	813587.9	206341.2	628282.8	167797.2	801626.8	1104863	646696.5	597454.3
11.49535	10	5	5	314244.1	1112275	387066.3	751832	345518.7	1635726	1350592	730961.3	762811.2
10.008	9	5	4	565799.7	1919371	325423.6	1333111	737413.2	1937446	1356269	2086450	2049806
14.5462	4	0	4	957181.4	67526.22	111000.8	3886390	4949492	37936.33	28886.1	0	6676.994
40.53933	9	4	4	348876.5	4706388	1118276	7443756	3508841	5243951	3981692	4975159	3231617
9.37735	6	3	3	350398.5	2615056	1091352	1454755	1264803	4092825	3143794	1985298	2618241
25.045	4	3	1	94545.09	327993.1	235684.2	139131.7	114095.4	631247.1	533735.3	133946	152567.1
10.9744	4	3	1	1464655	3067111	2655766	5932209	3152455	6256058	1394954	5662175	839644.1
10.00998	9	5	4	519258.3	726871.9	240312.9	1180269	573288.9	879460.5	991226.4	818591.1	477708.7
9.40325	6	3	3	889112	4737056	1447928	3341667	1399317	6455571	5180070	2967779	3533666

22.98717	5	1	3	264351.7	1881673	624199	1187744	777103.7	2060361	770219.7	2174944	2220875
26.9115	7	3	4	251473.8	1252380	769948.7	638993.5	353713	633243.4	1493122	316879.2	1599751
44.46617	4	3	1	388947	6786852	1810406	4912780	2007243	4722020	5820248	8555230	8830401
9.840617	8	5	3	2354797	1962822	420154.3	6440509	5811042	2369437	1744732	2284183	2068402
9.845483	10	5	5	1755737	7510970	2233493	5281108	2318810	7107546	6480837	5075704	11075660
9.43325	8	5	3	505345.2	3874062	1100948	2570853	1504689	4622357	4666027	4610240	2221962
12.14965	5	4	1	74898.81	193213	101319.8	113904.8	36242.04	264484	330326.7	125494.6	86111.82
9.481367	8	3	4	479349.2	1501406	1321768	2591627	787947.5	751682.6	382133.3	3023521	492385.3
9.840617	8	5	3	6047834	1928101	439596.5	15702449	17891581	2117730	1580895	2002993	2520553
9.887133	8	4	4	1024171	3446617	1007331	2357451	1203114	2797599	1989407	4208618	4241323
9.343517	4	1	3	841702.6	4551564	2063938	2722561	1628213	6504692	1117325	5683214	4937199
9.842	5	2	3	3163054	8833333	2164123	6679127	2238227	10785399	5307403	9915928	9853012
7.394517	8	5	3	1468554	81405821	6284046	71111263	12856866	79124596	86051978	72695216	80385942
9.445217	9	5	3	888475.8	4185635	1710206	2558096	1614791	3216180	5075816	2237664	6634092
18.74667	3	3	0	76299.33	155140.5	84945.27	223369.5	42739.63	269366.8	208086.1	55271.86	141151.9
10.38125	8	4	4	342860.5	915736.7	561269.8	481719.8	137645	1793912	1164518	517246.4	513522.2
9.858833	7	3	4	1420381	4541508	1003312	5599266	1151416	5219251	2958920	4119916	5255544
9.445217	5	0	4	2112671	16338330	8187036	9703907	4421533	14436699	11643418	12168543	30862276
9.932033	3	0	3	1043318	387376.8	380746.4	1456148	1379445	891479.6	155714.6	0	204617.6
22.11767	9	4	5	653564.8	1323652	299830.6	2528344	1562946	1577900	1296181	1396956	824470.7
9.840617	4	1	3	9436009	33527851	18152733	16285760	17109831	38211095	40378716	1544696	46686291
8.799267	8	5	3	954731.6	2276126	1330785	1131921	957605.7	1170584	4335914	2636464	2177891
9.346	4	1	3	443811.3	1938502	550436	1153434	960835.2	1307295	1985708	2691745	2192681
11.42608	7	5	2	380217.8	776598	295272.2	1310707	675943.8	1095080	1100049	530066.4	622157.8
8.826967	5	1	3	216362.3	705374.1	348874	411099	234366.4	1101251	216210.7	952646.7	722863.5
9.392767	8	5	3	849601.8	2042453	475062	1317618	898910.8	2292989	2579592	1595587	1488849
11.26338	10	5	5	65928132	4.8E+08	49859192	3.78E+08	1.31E+08	5.06E+08	3.91E+08	4.95E+08	5.07E+08
9.362817	7	3	4	360642.9	2778749	1050222	1674495	1204665	3826925	2976789	2935017	3141949
10.25713	8	3	5	275213.5	888034.1	124157.7	727140.3	192806.4	996671.2	722926.1	984718.1	789055.8
10.23043	9	5	4	446414.6	1698572	168311.9	1396665	382418.6	1674224	1629380	1990373	1559860
10.45667	7	3	4	449123.6	1110031	830420.6	471213.2	178438.3	2419449	1315336	607306.8	259891.8
9.3919	5	2	3	568816.1	4359650	2071098	2594272	1456071	5760997	899004.4	5919241	4034712
9.840617	10	5	5	4606698	24683536	1158138	19730803	6448180	25179023	23244755	25558433	25785853
9.40325	4	1	3	4290241	41148618	17490171	21392633	22497894	55992679	11289229	48700311	48542004
9.845483	10	5	5	1299362	6220535	981955.6	5454748	362337.4	5743974	4800419	6850005	7309094



3.65805	9	3	5	231335.4	3368499	1957555	5799901	2878335	2436.501	3322587	4249297	4724546
11.97977	6	4	2	80934.34	238363.3	119794.5	145908.7	32848.46	429790.1	159763.5	236947.5	247359
9.8322	9	5	4	704392.9	3445950	397069.2	2550269	1152440	3232479	2969586	3440051	4034758
15.50667	11	5	5	202412.7	1782107	296171.1	1423821	420447.6	2216500	1678315	1469809	1936817
9.392767	8	5	3	821172.9	1365931	475352.5	717632.6	788478.3	1567449	1587606	904832.9	836812.9
9.928667	8	5	3	30636390	2216434	594239.1	40867498	50507094	2739621	2138748	2887748	1828936
41.02833	8	3	3	277342.1	3176712	477830.3	2641213	608093.6	2982296	4000562	2766901	3115369
10.9645	9	5	4	254801.5	1448684	415342.6	953771.1	577707.3	1718438	1512531	954360	1107191
9.845483	5	2	3	2766757	8037881	1835108	5803119	2630377	9348579	5447282	7592831	7605065
43.53133	5	2	3	391264.9	4095212	721655.5	4677405	390106.2	4588718	2884256	4619029	4392095
9.445217	12	5	4	1318210	7826861	1524365	5409266	3025178	9118871	8497242	6417051	5963778
11.26148	3	3	0	15670602	32872753	44576345	69981008	28682997	76697317	344029	135186	86418083
9.245983	4	1	3	23378860	56873457	59769959	10657851	18746681	62264636	19648148	45685970	1.55E+08
9.983433	10	5	5	2395701	6463012	972900	4592242	2389304	7994867	6827823	5770356	5635310
10.9645	7	3	4	415140.3	1839116	374652	1284897	686479	1796306	2030243	1298129	1758568
9.420133	8	3	3	2818645	6620269	2964810	11408667	6012846	4306339	8115316	10468718	7126778
9.473717	7	3	3	408476.6	1196747	487180.3	2308184	1434056	1090735	1685013	599290.3	904581.1
9.858833	5	3	2	845086.3	3023002	1900171	1457084	1169514	4730568	4546661	529421	3819358
42.27983	13	4	4	417598.2	4534544	2164004	6287066	1209021	5343603	5552189	6152855	751881
9.912633	8	4	2	702734.9	2053884	316990.9	1333729	929347.7	1559986	2018971	2214120	2415906
23.132	3	3	0	12879605	1.49E+08	46504846	1.1E+08	31523820	1.62E+08	2.24E+08	1.12E+08	1.36E+08
10.30302	9	4	5	397551.7	1084908	757519.3	503516.7	177634.9	2061728	1657535	594194.2	229962.4
9.842	7	4	3	690270.2	3005627	658112	2406554	569380.2	2719204	2173564	3946138	2924792
10.008	9	5	4	345988.8	622797.9	164347.1	844427.3	269664.2	722558.5	808190.3	498743.3	409298.5
24.31067	8	5	3	162833.5	927630.2	287150.7	611111.9	357649	1422892	803035	730434.2	754058.1
9.992233	10	5	5	921936.1	2784024	366367.5	2199002	734910.6	3115322	2235332	2746742	2696584
9.845483	6	3	3	671059.8	2333265	545960.6	1671476	780833.5	2349613	1698948	2977023	2753330
9.887133	10	5	5	1844178	8539659	2981426	6178010	1425568	9049429	6794988	5507272	13314477
9.018167	9	5	4	603673.7	1720515	293172.4	1262395	573947.1	1743715	1986748	1871579	1224094
9.544833	10	5	5	2159210	6525638	788867.4	4828586	2188158	6892951	7463316	6143483	5392197
9.445217	8	4	4	670701	5132660	1055165	3709843	1733665	6064140	6264507	5210006	4123709
11	10	5	5	1069541	5069201	506314.4	4003713	1372591	4840565	5536704	4792904	4505875
9.379233	4	3	1	465831.8	814003.6	691284.7	255312.5	386275.6	1109944	159726.6	0	1248440
10.49903	6	4	2	307793.6	858821.8	288042.4	598623.6	245420.1	641959.2	1357889	836331.9	701175
10.93208	5	1	4	1097268	4549569	2584283	2288910	2016126	4268474	6704967	4114495	607818.7

9.46265	10	5	5	1979412	7106914	1637571	5656519	1324772	9158322	8613027	5806509	5902296
44.96917	7	2	3	458080.1	6155958	2794693	3906190	1529617	5428616	3137026	5706688	10763223
9.554967	15	5	5	3616722	6253542	1888789	17695877	15013926	9412766	6353143	5313624	5688801
9.840617	4	1	3	9338012	41355558	23245824	19643679	21497211	49324371	42102576	1567232	60863735
15.45333	7	5	2	79553.59	293458.5	145951.3	516447.8	278930.5	500379.7	93305.25	288910.2	258390.4
9.445217	14	5	5	3316150	28643994	8481223	21140173	6850058	39038662	32390756	32037358	20316968
9.94455	9	5	4	1077927	2636684	433732	1998979	792763.8	3408492	2456605	2393247	2415302
9.848417	10	5	5	965140.2	4203530	383894.6	3850639	342436.9	3864206	3889170	4184123	4812688
44.95467	4	1	3	380209.6	2484869	854693.8	3341557	912216.9	963809.5	2934084	2831749	2739011
9.362817	6	4	2	800114.6	3341030	1029074	2449622	780917.7	4405778	2214311	3530831	2331440
9.392767	10	5	5	5736029	25305424	8323274	17360465	8087271	28167919	18154294	17444620	24970060
16.28612	5	2	3	140783.8	238590.1	176852	101583.3	65733.34	235752.7	160067.4	17266.97	499795.7
12.98207	10	5	5	101231	504380.7	178182.7	335589.2	170383.1	697485.9	565118.4	293853.7	339968
10.96997	9	4	5	1199507	3692829	1394226	2623482	398261.1	6001887	3672655	2621397	3610529
10.94443	4	0	4	379111.9	940747.3	489725.2	548464.6	262420.3	606344.9	1659128	411377.9	870918.3
9.05635	10	5	5	1245389	8002809	2748213	5802300	1469567	8245540	12347327	7331562	4788060
43.04233	12	4	4	331295	4444056	1528937	2682092	2047522	4614433	3638379	7021879	3207669
9.859983	10	5	5	766829.8	3659965	175321.4	2825146	1098097	3750914	3730324	3468976	3484003
9.912633	6	4	2	1449080	3005925	782294.4	1807853	1504274	3343075	2745080	1854914	3116716
9.203483	5	3	2	732905.5	5031164	1305821	3338970	2051785	3658181	3664206	6076457	5359610
10.5297	4	3	1	249798.2	505332.3	386254	208392.3	126620	1141152	541622.1	325539.9	121929.6
41.0285	4	1	3	272988.4	5005066	669983	3883753	1424960	4521216	5092176	6118705	4478322
44.9835	4	1	3	134241.3	308894.3	55511.19	368872.9	67610.23	312498.1	349668.3	212478.1	334471.4
16.0528	6	4	2	135719.6	721821.5	266230.8	514718.1	110197.4	953459	437003.7	930289.3	860073.8
44.9835	7	3	3	432551.8	3148516	358455	4974014	2404065	2832794	3075273	3191265	2904998
20.187	10	5	5	444080.4	2287315	658143.3	1737659	443806.2	2490508	2883920	1298704	1969285
9.26575	10	5	4	2959580	24769043	3443645	19370097	6809865	26518225	24318259	27163544	26898741
9.297883	4	1	3	448826.9	462518.3	428592.4	1131166	842876.6	337175.4	258447.1	0	584707.2
9.445217	13	5	5	1190445	10586831	2391474	8410557	2100269	13101284	12613012	10889752	7605174
38.9135	7	4	2	259710.1	4666554	2609555	2624485	1169739	5899205	2605113	8689843	2768583
9.433	6	2	4	4596306	34287751	24387109	13403157	18059474	56226841	6581978	8934832	48621699
28.21417	8	4	4	83704.88	398403.8	140201.4	284405.7	83767.08	415409.7	565519.9	215855.7	305194.6
9.406667	11	4	5	2120027	7505522	3936526	4371114	2068530	7723289	4413142	10632321	2766077
10.68927	5	3	2	124295.3	688529	269334.5	397231.5	329168.8	1031681	569391.1	844593.6	322946.1
9.4775	8	3	4	1064441	3397564	1586156	5489772	2554962	3032600	3771050	1180790	3397472

10.95055	6	4	2	137040.6	468391.6	199374	309958.1	103627.5	739433	462022.6	298822.4	259254.2
24.33417	10	5	5	2895984	6425612	871205.7	13610949	9488791	7352829	7395826	5777060	5932479
27.89583	6	3	3	127888.9	361221.7	119722.1	528905.6	207762.2	517109.3	432208.4	369934.7	234295.8
9.382183	7	2	4	620065.4	2806190	1094550	1720317	1156485	3452786	2935252	3048333	922367.1
39.24417	6	3	1	315273.9	4334414	1250727	3380569	336769.4	3540176	4050104	6541031	3912162
9.415167	6	4	2	497481.9	1127095	491839.5	604934.8	584268	1368489	1480491	1527573	883232.3
9.9014	9	4	5	2476969	3578292	1112763	5018619	1754272	3445106	2446455	4913372	2576497
12.06563	3	3	0	80382.07	188636.5	169242.9	60376.96	31930.01	72326.51	118982.7	125338.3	138452.7
9.352183	12	5	5	1330556	8025947	2056845	5870938	2402405	10494794	8564870	7753158	8491807
18.006	3	0	3	543684.8	2072438	345370.7	3666686	2109515	2595582	2104421	1776011	1741731
10.01545	11	5	2	1839439	1194216	742221.7	3621693	3202167	1198966	464176.3	451958.9	2074278
9.655117	5	3	2	2183632	911723.4	377631.3	3711405	3712149	564721.3	601951.9	790272.5	1165770
10.97242	5	3	2	1026377	2032768	388675.9	2569209	665702.6	2541228	1878928	1687242	2346534
9.842	8	5	3	1852361	8058690	1325958	6184888	2336868	7995927	8350736	6120972	7983039
9.636567	9	5	4	6911640	15121886	7615568	41305755	34603801	19067744	22486256	9025904	5050562
10.008	9	5	4	275111.7	805072.4	69552.72	686071.1	152710.7	753360.6	921796.9	779082	813975.6
18.51133	10	5	5	969884.8	8608107	2799125	6458307	1045029	8534996	6906756	5182484	12470116
10.81488	6	2	4	174758.2	501335	276949.2	286653.2	118849.1	757481	282036.4	132910.6	701711.1
20.476	6	2	4	542527.7	2356113	634418.9	1798268	517048.2	2221710	3468098	2180195	1915940
9.999217	10	5	5	456344.9	890025.2	283244.9	1238471	419542.6	964925.5	1225013	1065538	618910.1
9.992233	9	5	4	810965.2	1017418	119499.3	1337615	421378.2	1048891	1186050	1046046	921950.5
9.277967	4	4	0	778146.4	909696.5	424266.5	1635969	932382.5	958359.2	1573850	925991	472774.7
9.8322	9	5	4	1165536	6177126	181631.6	5665217	674541.7	6392748	5963217	6089328	6101222
9.920517	10	5	5	2160873	9371486	1257679	7919218	1708279	9319441	7698685	10583164	10609453
24.6235	10	5	5	183191.5	634860.5	252449.6	911527.3	317527.4	843027	842754	767691	366971.1
11.70247	10	5	5	3424849	16299029	5399107	26196739	12791497	14057792	14851051	11558208	25587188
10.00998	5	2	3	609742.4	540752.8	394527.9	945861.5	446974.4	958438.9	0	391942.8	456883.7
30.253	5	4	1	215895.9	678329.1	653763	1302629	647869.3	229769.2	542131.5	388521	1830961
9.992233	6	4	2	350784.4	947463.1	149544.1	571869.3	493753.3	936206.4	1081963	779683	824654.2
9.392767	10	5	5	12473419	44443726	6979054	34750662	12067493	51229507	47646365	37372880	36493711
9.951283	10	5	4	1951083	6304637	2194618	4348071	1862595	8325488	4601572	4500236	5057941
9.994767	9	5	4	433561.1	822745.8	373317.4	1191943	396266.9	1046044	1211282	990314.4	544461.9
10.95602	11	5	4	348609.4	1029313	258844.6	763356.6	293998.4	1275785	1124552	1187275	623921.2
9.445217	14	5	5	2889535	25975649	7239920	19767889	5501421	34356057	28692946	29961277	19532188
23.84967	10	5	5	21778250	1.24E+08	17882624	1.03E+08	24847758	1.41E+08	1.28E+08	95680453	1.36E+08

9.35985	5	3	1	1190779	1769742	1249597	4503402	3577588	993220.5	1927366	3801755	567898.9
10.38125	10	5	5	613416.6	1424727	902033.1	733522.5	334176.5	2820079	1844114	684603.4	830060.4
9.999217	5	2	3	844564.5	512621.7	328987.5	1196247	892519.2	773240.8	0	705977.1	719599
9.989483	10	4	5	4473928	3589765	1528035	8840770	6954625	5158910	1359562	2735811	4462741
9.864767	10	5	5	9374500	41964291	2261425	35560874	8457512	41007284	39000849	44076560	44395122
21.12383	10	5	5	209061.1	776711.4	158315.2	612592.9	182884.9	988990.2	824097.6	755358.7	547794.9
44.98333	5	3	2	228975.5	3065597	1312200	2051849	560500.9	2399053	5403449	2589675	2603301
10.9645	8	4	4	224285.9	865621.2	231140	1081647	220064.4	1045029	750216.2	810282.2	573976.4
9.999517	5	2	3	433494.9	402179.6	264774.1	860941.1	591699.8	740178	509507.1	494253	103624.5
10.008	9	5	4	624508.4	726516.1	257610.4	1013903	334295.1	833061.2	928558.8	971050.5	465930
9.960817	9	5	4	867582.6	3233612	846986.4	2229355	1199461	4150907	3975593	3287407	2316321
42.49567	3	0	3	257198.4	5806566	160862.1	4965343	1120115	5752179	6074908	5767804	5642510
9.445217	10	5	5	1584263	13094189	5003959	7618218	6315786	11677257	7261468	10269035	16488777
9.840617	7	4	3	3128950	3713979	4135266	8678236	5960990	1799251	1521030	2637632	1545165
8.8398	4	1	3	324547.4	1065226	660312.6	1741073	749035.7	1393559	114592.8	732109.7	1255562
42.56767	14	3	4	370137	9427770	4283929	5998151	2484219	7735447	7701594	6698839	7961548
9.538267	14	5	5	27400260	52057410	24821402	1.2E+08	90251207	53713340	89190543	50479919	47379249
9.999217	3	0	3	361261.3	190874.6	157965.5	515279	424804.6	274792.1	0	403931.7	86272.58
9.992233	7	4	3	2375973	1198250	294490.7	4755536	4750743	1425939	1520304	799441.6	1020559
9.684583	7	4	3	207997.6	504991.6	137902.6	338943.8	199887.7	662263.6	646233.3	381597.3	437745
7.333667	9	4	5	137127.5	879980.6	203403.5	685276.4	204414.6	976228.9	1166882	842472.9	787081.9
9.994767	12	5	5	2964303	4720514	821822.3	3477014	1581034	6024965	4785656	3859174	4216722
9.500733	8	3	4	400373.2	2703969	1299949	1442842	1341187	3353736	2082758	4474944	2577461
24.20733	5	2	3	68521.65	293593	85058.94	219949.9	67405.4	353024.5	340063.6	153506.2	349671.8
12.05365	10	5	5	6551056	22295215	21497587	6097727	5552812	11083426	5811333	28713647	8606836
9.4925	4	3	1	353441.8	833462.5	513209	409113.8	348800.6	1041409	270028.7	466713.6	808887.8
20.18683	10	5	5	644705.1	3279668	732031.5	2652707	562442.6	3438100	3772969	2206194	2927619
9.999217	9	5	4	377916	756641.9	319593	1051588	297982.8	1021375	1135390	737017.6	440166.5
9.928667	5	3	2	670688.1	1362765	278900.7	896479	601326.5	1372649	1683986	1023465	1151568
39.23	6	3	3	253659.3	2160002	447265.5	2803811	812537.2	2224683	2613738	1890655	2528701
9.848417	9	5	4	6364033	32493157	4007001	26118789	8173031	30216519	33128368	27775111	32830689
9.952017	4	0	3	393619.9	106713.4	97776.67	331248	296117.5	206148.5	214623.3	45037.3	0
9.992233	10	5	5	959681.8	2767584	292830.7	2327311	560077.7	2985932	2259769	2936900	2855604
17.545	9	4	5	210805.9	994646.8	235875.6	789563.2	189896.5	707905.9	1213457	789224.5	1211609
24.60933	8	3	5	268658.1	697080.2	763604.9	126503	26121.94	191081.7	151125.5	1591466	80907.29

43.44483	14	5	4	328255.1	4754867	1928582	3232738	1048815	6354501	7116180	2683507	3232457
10.16938	7	4	2	254701	888393.5	340046.7	622745.2	171785.4	663107.7	1356854	954638.1	998315.2
43.0855	4	1	3	290569.7	4296875	111651.6	3556063	992404.1	4398492	4314276	4349263	4315578
8.8977	3	3	0	141099	185320	87959.49	73125.98	138154.9	194640.8	193255.6	317995	79086.97
9.8887	10	5	5	2470054	7390087	1197319	5131415	2954157	7481245	8175539	8896323	6173016
9.840617	10	5	5	4141586	22856813	579474.5	19296096	4771443	23429277	22083484	22972540	23346814
9.872917	10	5	5	9477095	39885197	5846364	32430658	9185384	41135582	38845749	44220004	44856409
10.9645	10	5	5	1287002	6766424	766654.1	5870976	1071856	7163196	7551358	5939332	5944708
10.51392	9	5	4	354388.9	853028.3	333807.2	585539.5	199931.6	642070	1419779	893178.2	655944.2
9.473717	4	1	3	1839164	12248313	4603050	7532469	5274764	4126278	14071012	13227947	14487875
9.640367	10	5	5	2412991	9498424	1010518	7871910	2096414	9053376	11269146	8954538	8833983
9.523633	11	4	5	4185468	15443250	8313380	8480222	6008708	30219296	12264007	10638103	11083760
8.845933	4	3	1	305434.9	673148.3	557343.8	252170.3	185446.3	469568.3	1479682	969373.7	394697.7
16.96833	5	3	2	33035.97	140960.8	59577.72	96221.75	16480.76	78542.39	106345.2	110578	199052.7
11.71625	10	5	5	953260.1	4322385	1311382	7170371	3764194	3800823	3580125	3361223	6587440
37.60417	6	3	2	348311.4	7334052	2010426	5775460	971544.9	6624749	6284985	6796371	6069756
9.445217	12	5	5	1879907	18761579	4320684	13555290	6316506	20866341	20558683	20916364	20425217
10.95602	9	5	4	206419.5	981299.3	200567.6	683748.8	379680.3	952017.2	1193621	785683.9	791848.9
10.71398	5	2	3	128386.2	587343.4	193705.5	427958.5	131716.1	818867.3	774132.7	494329.2	420681
21.6875	3	3	0	102245	288058.5	191715.2	442120.1	117466.5	99009.62	528089.7	458403.3	186174.1
9.986767	11	5	5	7186377	25952431	4178749	20835838	6244693	28535837	31985844	22996397	24124874
43.51367	12	5	3	279483.9	3506570	432545.1	5121840	2164059	3266566	3580551	4186163	3035796
9.8322	8	5	3	8253704	2702661	837768.8	19568894	22684430	2411596	1626563	2445073	3216326
39.01417	9	5	3	2891408	4988272	642152.7	27873909	30783245	4922644	5375385	5857917	4271055
9.392767	10	5	5	12456177	44276744	7051770	34712782	12000577	51189113	47650254	36858186	36494750
9.9677	10	5	5	1890411	6759264	1038979	5727403	1131699	8125481	7566382	6390838	5723889
10.95835	6	2	4	366198.6	1358675	215731.9	1576466	241866.5	1025140	1515905	1266098	1440791
14.67813	5	2	3	269526.6	372141.3	171666	229238	122268.2	198040	349203.7	658949.3	307874.2
11.67402	5	3	2	48527.06	131736	41594.88	99939.17	17551.72	127091	196013	88933.49	103399.5
21.10917	8	5	3	103542.2	352058.5	121101.9	447721.4	67876.29	552995.1	301867.1	313440.3	232787.5
9.992233	8	5	3	1899332	905661.6	161436.3	3487320	3474905	858152.8	653610.3	954404.9	982958.6
9.640367	10	5	5	12320390	51131126	6506900	41636159	12097528	51581317	61726176	44204796	48600247
9.392767	9	5	4	689899.4	1507195	449078.1	1008621	586267.4	1639620	1636574	1107079	1027374
39.892	6	2	3	364959.6	8724928	584705.7	7107575	2159513	8692173	8544795	8487461	9716984
42.582	5	0	3	213269.2	2288146	152600.6	2044034	315447.7	2218626	2282225	2276355	2126412

9.960467	7	3	4	783069.9	1795175	338215.1	1279611	661866.5	2233543	2062503	1508813	1695056
9.445217	14	5	5	2086446	17603265	4720679	13594880	3603143	23046838	19377771	20259712	13189477
20.97733	5	2	3	265177.9	1478696	357370.7	1196258	201770.2	1261308	1954121	1749835	1323741
9.527817	7	4	3	430460.7	973588.1	398504.5	623347.5	336069.5	1453773	1306203	769778.6	852177.2
44.02033	5	2	3	544352.9	5904857	1405445	4200857	2079312	6995587	3938618	4884155	6799721
9.40325	6	3	3	891263.9	5964173	1692436	4161978	2078195	5532513	5313354	3772770	7015432
40.64017	6	3	2	333845	4863425	1686129	3335785	1533904	3920848	3809222	5253996	3675320
16.27145	10	5	5	384468.8	2599699	582457.8	2107587	439324.9	2088643	3051626	1853601	2928972
10.39612	3	0	3	224649.1	967153.7	265652.2	740317.8	207342.3	886835	829841.3	1375452	1061681
23.84967	10	5	5	4150258	21359841	3457375	17523086	4527095	24337644	21789392	15881841	24213085
9.912633	8	5	3	2675592	2371580	508002.6	7298929	6651339	2371890	1954523	1780641	2901950
10.96015	9	5	3	1531142	1548086	764247.2	2499059	1172355	2684188	1652204	1688026	1035098
9.94405	9	5	3	1879427	3051140	1728999	7035543	5306402	1699356	2905326	4921605	4673159
10.97857	6	2	4	1407846	2221348	1625782	903670.9	1057024	598257.2	4188589	476674.7	3069244
9.856867	10	5	5	4110182	18865050	2032032	15324078	4634775	18122735	18110693	16934175	18876734
9.903567	9	3	4	1025213	1581957	381887.9	2326153	982931.8	2169637	1705476	1515399	1332158
10.05535	8	4	4	1050937	1577169	784166.9	3158761	2093525	651092.8	1566609	1967891	2656435
9.5876	10	5	5	6823948	25056592	3728077	18927126	7974958	28206809	28955441	20793010	21613026
10.008	8	5	3	278060.5	872899.8	173224.5	596753.4	358014.8	902102.1	750302.7	709248.1	852551.3
9.856867	10	5	5	5542225	32842032	4039330	26090903	8803618	30376203	27999640	31822677	36900175
10.42742	6	4	2	445653.7	658143	378689	366927	178719.4	1182411	920750.3	502901.3	286553.1
9.365833	4	3	1	474792.3	1753109	710465.1	1078829	716815.9	2562115	1905467	2132820	1468521
9.82645	3	3	0	2189757	4830106	3714899	8169177	3336219	10909555	5674299	2895822	3154337
11.01378	10	5	5	1137667	5683759	891095.3	4288413	1806091	6566862	4748368	4833865	5692083
9.9174	8	2	5	956251.8	2527569	552658	1890853	765813.4	2574089	3448930	2097874	2114961
9.41815	5	3	2	414479.3	1809459	1005218	993783.6	661525.2	3087890	2706215	1047458	993090.3
10.28787	7	3	3	245523.2	751759.5	270651.9	527242	193961.6	897730.3	896306.1	1007738	344431.7
9.431017	6	3	3	711710	2078082	1285837	1025443	877519.1	2743337	569107.2	951360.5	2478872
10.95835	6	3	3	206656.3	615830.7	227380.5	997156.1	498422.6	865413.5	832312.7	585868.3	426598.4
9.365833	8	4	3	980834.3	6662565	1379208	4479104	2834609	6600193	6705741	8787227	6270294
8.657767	10	5	5	2485392	30590397	5845477	24208340	7504756	27809991	39384593	26213378	25827901
31.78217	5	3	2	79639.54	348723.5	114011.6	435627.6	50037.62	436389.1	203001.2	442581.2	248287.6
44.14967	9	2	3	230673	2390147	583501.7	1731940	786073	2118521	2568568	2273630	1713753
9.857683	6	4	2	1082587	2775793	1488615	4331096	1785881	1568133	4401074	1094401	2653264
9.864767	7	4	3	919866.7	4889439	503794.9	3493028	1876085	5516393	4887781	4296897	4505284

12.04982	8	5	3	1308994	3673916	4134604	623066.4	75254.88	1354037	780259.9	4964988	877784.6
9.976317	3	3	0	345848.4	705167.9	151723.7	452897.8	329607.2	855739.5	809647.3	755741.1	620296.6
10.38125	10	5	5	272476.7	1644214	647110.9	1149482	294728.8	1433469	2585236	1980032	1290083
9.5812	10	5	5	984237.6	4858303	1333220	3705117	1091738	6901046	4308541	4459557	3342374
9.445217	10	4	5	20195992	1.28E+08	94672013	57614359	29736945	1.05E+08	92013645	89795118	59821270
11.88527	6	3	3	94949.23	500137.3	137719.4	363443.3	151861.3	621342	633731.8	330391.2	383794.5
31.38	10	5	5	1509755	10393891	3056554	8119966	849388.9	15626839	9187803	7691995	9310886
9.983433	4	1	3	514321.8	495927.8	276991.5	874692.8	480803.1	131152.1	850786.5	510695.1	647906.9
16.27145	10	5	5	441665	3208489	552894.2	2652047	625163.8	2827621	3365913	2479111	3501872
10.02372	10	5	5	202053.9	629414.6	40872.77	526360.7	138372.5	593326.9	600115.8	696410.5	632600.2
14.07785	10	5	5	330409	2374392	429875.1	1618075	995701.4	2962072	1949979	1963493	2414016
9.392767	9	5	4	1268934	3150308	649922.4	2266907	1120602	3487512	3507716	2379443	2536128
11.27298	10	5	5	139284.3	920588.9	104303.2	705198.7	286875.3	999015.7	737757.2	969560.1	946925.4
36.33867	9	4	5	116589.7	410807.3	115385.2	617354	272407.1	350717.8	574468.1	361849.1	286106.9
9.433	5	2	3	1728172	9611889	5054730	5350291	3860988	15815739	3306869	7149756	13596575
44.45167	9	3	4	429775.6	7830452	2254703	5565531	2543314	7550307	7338442	6179625	6362994
40.42433	6	2	3	312791.3	3109813	1293094	4867482	2230597	3542571	3797840	3778206	804482.2
9.45945	8	2	4	1182576	7181450	4969600	3102185	3468927	1804780	10912505	11304157	10179273
9.82645	4	3	1	570322.3	1592351	726215.6	941493.9	654081.8	843814.9	2163708	2267161	1910816
10.92225	4	1	3	1055671	2987627	745179.5	1811866	1531020	3958319	3210752	3014413	1885651
15.54172	5	2	3	120843.5	1037783	234489.3	851738.3	141409.2	869297.2	1248987	750506.5	1028697
9.848417	10	5	5	14693438	71199057	1543767	57425131	18718812	71548692	68542589	71461107	72533347
8.855567	8	5	3	379564.3	835900.7	578452.9	394592.8	265882.4	420002.4	1498398	1421571	556168.8
9.431017	14	4	5	803129.6	7230502	1657874	5222005	2474880	7581309	5747167	9938252	6664549
9.43325	6	4	2	280193.5	1237044	214435.9	934700.5	387064.1	1271105	1397545	977989.6	1478840
10.29105	10	5	5	1247025	6048779	1523027	4675203	1394388	7923982	6773007	6295835	3875446
9.392767	9	5	4	1102096	2649978	621198.1	1803390	1076768	2985297	3022062	1925624	2038845
11.147	10	5	5	1423956	7565875	552691.3	6483587	1439737	7636988	8345269	7068004	7002707
9.431017	6	1	3	3182473	17396841	8241949	9361900	8841874	22197067	3227968	17065235	22864350
9.43325	6	3	3	795990.9	6579136	2123607	4694905	1875557	7779590	6657953	7716874	7858213
9.644783	10	5	5	1113953	3519861	887101.5	2504908	1227780	2655083	4605858	2631985	3529135
21.8975	5	3	1	490728	3974329	1308288	2975979	617819.3	2857178	4706514	5928418	3109729
8.803133	8	4	4	796139.6	2459621	1643232	1188930	865494.5	1101535	4883824	2659399	2884625
9.398167	4	1	3	2543887	16110192	7666702	7475480	10392496	20235001	12827161	4424585	23978859
26.91233	4	1	3	178854.1	2206291	675581.9	1473955	866159	2561919	2512826	999789.1	2505010

9.858833	8	4	4	1177911	6013929	1438957	4942562	483251.7	5713357	3632554	6622186	7028046
8.857667	4	3	1	307649.8	616754.5	658399.8	131783.9	153082.6	451703.4	278674.6	635881.5	1717513
9.445217	14	5	5	3623112	28343688	4885501	22688015	6896458	25688347	33192730	33482588	22267344
44.9835	7	3	4	133356.3	247866	62821.95	328289	101271.4	258544.1	323840.5	165617.2	285197
9.45945	8	4	4	869223.7	5854298	3716395	3096975	1176791	4587669	4134611	5182976	12349211
22.36417	8	4	3	49162.14	264377.8	73530.99	190883.8	82987.01	310746.6	155872.1	310823.5	220149.5
10.02963	6	2	4	2173120	6846216	4967301	3018289	2587267	12483676	1429567	9624634	8907356
9.7565	9	5	4	2772221	3619090	1040367	6805002	4325027	5321175	3492168	3709097	2682219
9.421167	11	5	5	1662444	14017048	5719595	8138450	6769361	20136385	14748109	18321378	10902720
9.82645	5	2	3	768105.6	2455978	714364.7	1657265	961543.5	2042850	1465531	3106821	3134592
11.96588	10	5	5	2057950	14207727	2663172	9793584	5820841	16951898	10902468	13300724	12939970
9.388367	10	5	5	2152250	8605922	2882969	5824558	3061297	9678853	5443659	6216724	9062204
9.856867	11	5	5	6941068	38150845	4010997	29288410	11936154	39654484	43300465	34206081	33937948
9.4468	9	4	4	1474347	8569734	4433755	4960184	3076084	3866328	4745811	14069817	8205155
9.45945	8	4	3	880013.8	5728703	3480140	3178940	581868.2	11399044	3046803	2869497	4987061
9.522017	7	5	2	602686.3	1381431	567146.5	2365457	1304967	2271104	892901.6	1002099	1133554
9.445217	14	5	5	3663436	27239841	4933149	21813899	6494745	25379367	32085409	30829622	19715547
9.952017	10	5	5	715635	2608092	316779.6	2268128	402190.5	3120123	2647445	2418970	2292260
21.05033	7	4	3	322112.2	1899089	456612	1512049	362590.4	1742479	2599883	2088277	1614960
9.999217	6	3	3	590656.8	779062.8	429232.1	436761	274517	1264727	107672.4	980802.5	839971.5
9.888767	5	1	4	7611449	16701300	11412365	7357795	8109216	13833192	34642174	15288267	16784339
10.28787	4	3	1	213735.3	449353.6	204995.7	290787.7	111308.2	207743.2	766594	370085	488494.5
9.45945	8	4	3	846735	3417907	2026133	1847223	1118699	1559239	4981754	2335368	2057178
11.09082	5	3	2	223848.3	255936.3	104171.8	156317.6	109135.5	215137.2	321030.4	375722.1	103967.8
9.845483	8	3	4	1154456	4456139	1780471	2806138	1754544	6165891	3079854	5385128	5586015
9.8445	4	1	3	941250.6	3137957	554650.8	2104986	1379803	3518639	2472532	2685011	3219063
9.568567	15	5	5	30842502	2.29E+08	44747682	1.79E+08	60423255	2.77E+08	2.58E+08	2.35E+08	1.61E+08
9.43325	7	5	2	412090.6	1477740	394714.1	1087230	439985	1886010	1000932	1155061	1517595
10.7349	6	5	1	823224.1	3765690	1201537	2697761	1081515	4676673	5243493	3553740	3093656
9.983433	10	5	5	1075421	4907932	734642.4	3954516	1209816	5832041	4258107	4366689	4515116
9.445217	12	5	5	6730107	72227590	24165078	53834933	11704917	53479413	70785543	66843353	56499793
24.08283	6	2	4	131494.9	475334.5	361963.4	206898.4	124139.8	282595.2	537773.5	204970	269674.6
11.74603	3	0	3	3616543	622241	217081.4	10302522	13277546	771466	840620.9	406669.6	372282.5
31.39317	6	3	3	205592.9	1668861	223234.3	1399780	334461.5	2014047	1723108	1554809	1634589
10.008	9	5	4	755109.1	1027801	401091.6	1475871	541405.9	1224641	1539810	1120376	707367.4



22.91483	4	3	1	352029.4	962633.1	888800.2	1707518	685415.2	1836622	321189.7	2030072	304001.3
27.54833	7	4	3	229858.6	620032.9	505484	1060943	435342.8	1387723	231093.9	223401.9	877930.3
12.04927	5	4	1	841741.5	2449204	2447589	663425.5	292872.2	1126501	508600.4	3694632	732316
7.64755	9	5	4	1154025	8803620	2046462	5889596	3774613	9542330	7332241	6844460	8335688
20.70583	4	1	3	82506.77	355467.8	287336.8	143648.5	85902.5	208613.8	215546	868738.7	244279.8
21.05433	5	2	3	77974.01	275777.9	81875.15	206639.5	64694.02	319070.7	313046.4	344972.3	262339.7
10.32433	7	4	3	247463.6	975490.6	201395.7	701658.7	351834.5	848036.2	738785.4	1156491	924887
9.691583	6	4	2	279850.5	448575.1	197620.4	620011.4	168275.4	628311.3	155291.7	626789.3	371275.6
9.340183	7	3	3	1489108	9007199	2282080	7096833	1761622	12621878	9622375	8528097	6883225
41.89167	9	3	3	280667.3	2675405	1133998	4031680	1685763	3199322	706075.8	2789459	3555316
9.93625	10	5	5	21707994	71840023	10432691	56280215	20346556	81050617	81426365	57634445	64733293
9.91765	9	5	4	1130883	2942770	460433.9	2143534	1064802	3370945	3080554	2161830	2970568
10.95602	5	2	3	188868.6	311617.8	203434.1	524118.1	249140.9	222269.2	624526.7	404846.4	172939.4
9.40615	6	4	2	1876721	15838858	3328044	11641511	5306605	11958490	15351772	21129223	15922915
9.445217	11	5	4	1194514	11333076	2564916	7709603	4701609	13776531	13862418	11625532	8709392
9.992233	10	5	5	503406	1528336	203622.2	1218690	406669.3	1669409	1773393	1554489	1311677
9.4468	9	4	4	980117.5	3498099	1190539	2248372	1472319	2269310	5380840	3231019	3788776
11.36835	6	4	2	159461.5	508161.8	281509.2	294874.9	135935.9	962222	533789.3	334503.8	226348.6
9.43325	14	5	5	1728333	13001884	3956371	8843607	4903644	16998132	16355218	13747083	9973950
9.678733	8	5	3	967374.8	1471510	688355.2	2468874	1301133	1024045	2670387	1257919	1018816
9.43325	7	3	4	727027.9	3646266	1500966	2471647	898889.3	2178162	6058675	3981452	3236354
10.9645	10	5	5	354199.9	1958851	258104.6	1712414	271953.1	2132463	2176757	1686997	1666873
9.915583	7	5	2	9966088	1744438	340570	22591558	28725757	2087870	1417579	1407126	2097100
23.79867	10	5	5	344386.4	2312901	322059.3	1757809	740496.1	2503890	2571776	2264600	1774158
9.999217	10	5	5	846087.6	3203115	569102.1	2363821	1098362	3080628	3068756	2785228	2884664
25.6375	6	4	2	330429.5	1305687	1338781	2520749	1275791	108193.5	739131.7	807810.5	3578650
9.976317	10	5	5	2889379	10983458	3101979	8591484	1713610	10533755	10346381	9422778	16303484
9.91765	9	4	5	7885394	19308133	10479837	34554745	19922949	32717505	23980808	10554023	6978555
27.96683	10	5	5	535446.4	2542907	797659.6	1926399	447718	2564363	2369450	1974558	1920223
10.38125	7	5	2	194081.1	553210.4	165141	390045.8	185347.2	387572	633358.8	790169.2	415809.6
9.392767	10	5	5	4527620	14945976	2725147	11485800	4398204	17559823	16341078	12195160	11810042
10.0614	8	4	4	581112.8	1758821	120926.8	1384753	512851.9	1738602	1936115	1655812	1646410
9.406667	9	3	5	7247313	21385116	27396148	1538244	1174335	52548597	891439.5	50196590	2526441
9.388617	5	2	3	670171	1351707	127384.5	1075568	374854.2	1471167	1385733	1222561	1212055
9.992233	3	3	0	238964.1	397993.4	241366.5	209628.7	143894.4	581815.7	0	390127.2	419207.8

9.421167	7	3	4	3107705	21984143	22106337	5948635	2796193	48613026	2178942	8030621	43343712
9.43325	7	4	3	343587.6	1910253	611897	1090479	1056371	1674463	1393563	2919054	2031667
9.840617	9	5	4	1040850	3576254	675636.1	2857005	856911	3548244	3451867	4158919	4191064
10.01545	7	3	4	300848.8	428733.5	221117.5	620516.2	190648.2	413240.1	56842.69	587302	596558.3
23.16167	10	5	5	656690.6	4812534	611542	4111545	864197.7	5132683	5518534	3877189	4856606
33.8165	6	2	4	259704.6	1702834	459151.3	1326289	337612.3	1989275	967404.3	1534737	2040714
42.22233	8	3	4	299086.3	5225036	1361395	4204845	610576.2	5036701	7340287	3584911	5375488
9.976317	9	5	4	683860.4	1971295	338832.6	1517932	584787.9	2137092	1383270	2243760	2062245
11.02063	6	4	2	1377366	2068671	1391868	3496511	1669612	1123508	2128043	4457704	1230511
9.527817	6	5	1	733634.9	551498.4	97225.24	356766.5	263800.4	518145	671872.6	418096.3	615535.5
24.1025	4	1	3	37747364	1.97E+08	1.1E+08	89418625	1.22E+08	2.42E+08	346475	2.53E+08	2.38E+08
9.994767	10	4	4	931220.3	831032.8	397473.2	1146661	260002.9	916047.3	387877.1	988680.9	493458.6
20.23033	6	3	3	169460.6	980198.6	107113	725488.1	347974.9	1029863	959628.4	828253.8	962980.1
9.538267	11	4	5	1643908	7180314	4162495	4041799	2004889	4810285	8417631	11895523	9482178
9.445217	14	5	5	1447477	12914552	3826388	9691310	3068338	17472387	14487438	14660537	9765965
11.25905	6	4	2	150495.8	466475.3	51214.17	332391.6	183796.6	395898.8	455647.9	514369.4	518853
22.2535	6	3	3	276631.1	1572356	383556.2	1267224	253444.2	1207429	2208403	1613341	1403092
10.58813	10	5	5	553642.1	2102916	641675.7	1597585	405680.9	1689406	3185577	2126025	1578321
21.39367	10	5	5	892696.1	2998743	2216242	1378404	673501.3	6543392	2927118	1024532	1235306
24.82567	4	3	1	316992.9	921273.7	1079019	141979.2	85719.42	2771047	970582	210335.4	222885
11.27725	10	5	5	1759931	9021681	1183363	6513457	3413303	9360134	7051104	10085725	9699499
8.981583	8	3	5	447693.9	1277137	609762.2	767334.5	479366.3	1138140	515611.1	1469727	1083234
10.93468	5	4	1	357506.1	977646.4	237049.1	1446389	635578.6	894615.8	813908.9	1275997	727442.9
9.445217	14	5	5	2099207	10658659	4192600	7519917	1906309	8917934	10493132	9869473	17618799
28.2735	5	4	1	65892.09	360269.7	145985.4	240279.5	108997.9	414148.4	564627.7	200998.7	238962.5
9.872883	10	5	5	1595303	7967465	739066.7	6907282	1389932	8245084	7876251	7355532	9084244
39.27317	6	3	2	310723.8	5890865	2514178	8002119	2005620	7383530	8098460	3761338	7596916
26.023	8	4	4	99913.88	555818.4	240160	378435.9	92942.65	324712.5	959238.3	502521.4	544407.2
9.992233	5	3	2	322072.9	585580.3	292573.9	343662.3	222989.3	631691.9	81046.51	820903.7	749349.1
9.94455	7	4	3	1001524	1681410	314943.2	1395162	304727	2165862	1621416	1781009	1344464
12.11005	7	4	3	64901.01	150089	36708.79	212871.9	84274.39	174150.3	90375	139453.3	167710.5
9.8322	9	5	4	945130.4	5191347	716013.2	3771409	1927912	4992871	4493779	4930971	5141760
9.392767	10	5	5	4625165	14961801	2731196	11508375	4412380	17628576	16451045	12215719	11810075
9.933967	8	5	3	1630886	1297465	280548.6	3784739	3450102	1215851	1755238	1242432	988538.5
9.744917	3	0	3	717681.5	2779516	400330.7	1841502	1284826	2899084	2331594	2578613	2693640

10.23043	5	2	3	278492.6	653534.7	298910.2	931650.6	303779.5	1074851	438355.9	866782.6	452877.3
9.388367	10	5	5	2264438	8666889	3041125	5869323	3021666	9822340	5502443	5924420	9193884
9.8445	10	5	5	1270562	6950324	968207.4	5599178	1766543	8059606	7284098	5821757	6056642
9.445217	5	2	3	313503.8	1634361	817909.8	971711.5	586099.8	945425.2	787513.6	2482300	2492363
10.16938	10	5	5	1802538	7868448	1185367	6624554	1483505	8853842	9146078	6830247	6484972
10.58813	4	1	3	204618.4	654147.8	275482.9	442497.6	155808.5	246295.8	777836.5	983325	710857.2
9.106183	9	5	4	512083.1	1531156	259891.4	1071974	619664.6	1725674	1784442	1382168	1606850
9.348233	5	3	2	533064.4	635191.7	350460	334448	298583.1	801017.6	1023501	570288.7	698082.5
14.07797	11	5	5	157189.3	1114695	304849.2	763250.2	437553.1	1517570	762826.2	1329006	1029403
9.701933	5	3	2	224704.3	512306.1	86275.8	347187.7	224268.5	562171.7	587926.5	521038.6	524207.9
10.95835	10	5	5	197927.2	873326.7	171647.6	731310	132162.9	1018517	1049056	711468.8	677515.2
10.9645	8	4	4	2086134	10262885	1861280	8917803	416621.7	10882130	9273412	8460688	13204806
10.90802	6	3	3	190630.1	630159.6	281867.2	398163.4	214169.3	920218.5	693143.9	367409.2	305208.8
31.45083	10	5	5	283649.1	2497950	638367.5	2021099	297024.8	3530900	2155433	1833728	2438936
9.842	8	5	3	30377220	1691330	477627.4	58282887	78825716	1687326	1749188	1166774	1415207
40.78383	6	2	4	347227.3	2804785	1260894	3800807	827715.9	3109880	3144979	654257.8	4000665
9.4775	10	5	5	2620863	10081699	376675.7	8590267	2070842	10574994	10123042	10251266	9578297
9.856867	10	5	5	7123831	42937197	5138934	31434346	15784394	39873160	36853547	41418208	48130633
9.946467	10	5	5	2599099	10229803	1788257	8701648	1514858	11314058	9356612	7524693	11938147
11.18008	7	4	3	112605.2	303738.3	167223.3	166390.2	126696.7	562765.7	295559.3	308212.7	98367.04
10.04167	3	3	0	1216651	2345881	2021348	894289.1	239720.9	1856256	1558486	1734910	5871360
9.119933	8	4	4	578148.9	1847249	322848.8	1269690	782477.3	1794949	2354869	1859067	1767405
9.842	9	5	4	1528490	4902153	1074750	3346560	2055780	4964095	4639577	3249611	5605642
9.960467	6	3	3	486385.6	959659.7	466757.9	1358800	396741.3	1662657	419204	732600.6	1117450
10.9645	10	5	5	305511	1374744	256627.6	1113582	307598.9	1659373	1554923	1183712	1042943
34.11883	9	5	4	777349.4	17117334	2986703	14604482	2432224	17706348	17655785	20937085	12616815
9.952017	10	5	5	629640.1	2005998	394436.8	1581862	514800	2473172	2216620	2139278	1519767
24.60933	3	0	3	29737.5	41853.26	23956.51	95473.55	73668.85	71560.43	62332.3	25959.18	15956.38
9.94455	11	5	4	1168390	2372345	743591.2	2947578	446495.4	3059131	3187990	1759622	1537914
9.392767	9	5	4	671185.9	2065032	1000176	1316211	484939.3	2102974	1746349	845629.1	2013156
10.01477	3	0	3	335267.4	199146.8	57583.55	504277.2	425229	242348.1	176046.9	110697.8	252089.9
42.395	10	4	3	380759.2	5519389	1089068	8308389	3854062	4341328	4756737	5210692	6370603
8.93965	6	5	1	558111.3	1279843	868802.8	645298.7	312929.2	629685.6	843306.1	998076.5	2797821
10.95835	4	1	3	1226370	3562456	1935537	1822690	1855441	4633468	5423803	356049.7	3865214
30.16817	3	0	3	78364.89	292694.3	23737.09	215115	107883.8	291929.1	327153	278794.3	264403.2

22.95817	3	3	0	117523.9	281531.8	263507.8	473812.4	95298.75	115568.1	82456.63	77114.59	623896.9
9.40255	9	5	4	668143.9	1642184	393075	1071741	756944.9	2110445	1971182	1467830	1148908
11.39828	8	5	3	482184.5	5010489	1345217	3463688	1940301	7257186	3754745	4601594	4347099
10.23043	10	5	5	255676.7	556112.9	212794	714991.7	103428.7	692139.9	492216.4	839379	291391.8
9.9677	8	5	3	6771089	1536216	233153.2	9698343	11436217	1772709	1490783	1603328	1653723
9.673333	8	3	5	271868.8	1291121	220567.9	934608.1	480675.6	1203441	1407853	944608.1	1412273
9.8322	7	4	3	1278969	4739931	1708069	2895603	2256203	4119570	2230194	4883318	5730501
10.10223	6	2	4	518948.2	1697260	356897.5	1335079	428764.9	2086849	1282778	2057398	1533718
9.915583	5	2	3	1386792	3741800	814732.8	2207615	2097594	4277246	2669354	3085219	4145069
16.94267	8	3	5	75111.95	331379.3	119454.4	233866.9	90127.9	511565.8	228690.4	387846.9	295245.9
15.4474	10	5	5	321106.9	1773523	652304.7	1154717	698959.4	2322650	1076998	1955033	2420467
43.91967	6	4	1	659799.3	6693112	2657612	9700618	3755372	4877848	11079923	6144448	4384510
9.406667	6	3	3	410694.2	2255860	1340917	1276180	515167.3	1424252	3986552	2527998	2841879
9.915583	6	4	2	1537717	2089245	1204568	5922551	5342585	1731712	4224628	1339233	1462416
9.845483	8	5	3	627498.6	2474820	406711.9	2015521	573200.2	1941426	2231268	2498347	2722191
10.008	7	5	2	406546.2	549142.3	110484.1	734234.3	250808.1	629850.1	390678.1	567368.7	665792.9
9.992233	3	3	0	6342427	23486389	20217269	38558496	9827682	8676817	7651375	48502841	42474819
24.79633	4	3	1	285343.5	659670.9	855159.9	50132.84	46960.67	2081055	847157.1	164644.9	56199.5
9.920517	10	5	5	2200992	5330302	929111.2	4196676	1453293	6752983	5212255	4274376	4839118
9.946467	5	1	4	618978.4	378108.9	705381.7	1366120	1307752	0	1622770	267774.5	0
10.9645	10	5	5	223851.5	1107376	223355.1	904042.7	221706.6	1288315	1286968	855599.1	872372
9.3735	4	1	3	525720.8	4935778	1564459	3331852	1916133	6869551	3168854	5683293	5466476
9.77355	4	1	3	536530	690908.2	404508	1014195	285768.3	963112.2	0	858808.2	963646.3
9.45135	5	3	2	499363.8	942626.5	320648.2	576320.6	460045.3	1041659	997996.5	1068617	1216679
9.830283	8	3	5	840061.9	1506224	333912.1	2053616	741091.1	1516229	1147612	1496615	1329641
9.992233	8	5	3	1506494	931709.3	183069.4	2317265	1945404	932081.9	624780.8	1107536	1011076
9.2529	5	4	1	1063051	3446485	3576232	6261054	2387070	1144431	9788376	2192359	2358424
43.977	8	2	4	397206.5	7012612	1010367	4957381	2831423	6468853	6101978	7828397	8353929
13.15802	6	1	5	50937.79	313095.7	76021.34	231322.4	100277.5	214532.8	271012.7	392671	302192.3
11.68858	4	3	1	93674.38	257293.3	187456.8	118030.2	89912.56	585139.3	210837.7	114075.6	167446.6
9.859983	8	4	4	2614536	4944764	3467895	2444185	1067816	2439140	10992219	4404968	3922199
9.972483	12	5	4	5574494	11413621	4622252	7148411	4724315	15788914	6864455	6632473	11601232
21.86017	3	3	0	357563.4	1326590	1374557	2315757	403665	2835630	657076.6	244771.3	100052.7
10.01545	6	3	3	336078.2	309998.5	219132.2	595534.9	373243.8	182639.1	0	499393.7	515044.1
9.388617	9	5	4	702918.7	1606274	455860.7	1064269	691261.9	1963408	2059120	1300641	981255.3

9.856867	10	5	5	7064919	42303455	6406872	33603030	11474127	39623727	33284595	41729138	48561053
9.445217	14	5	5	5881420	34911857	6612596	25487225	12541323	40163365	40205441	33073971	24312464
16.27145	9	5	4	191368	1346741	218533.7	1130010	254383.4	1196290	1493503	1052380	1406918
10.008	8	3	5	2108708	1738299	919745	3319254	2154553	2381781	131807.6	2217268	1834921
9.45945	9	5	3	1.28E+08	10029367	1867015	6.47E+08	8.97E+08	12367081	10955128	8012783	10584280
9.46265	5	2	3	573372.6	4416340	1021005	3327965	1331356	5537388	4204689	2929370	4209955
43.93417	4	1	3	258848.4	2390887	1195705	3288294	627493.5	3089420	2523551	3115723	2931446
9.986767	7	5	2	836110.7	854418.9	595754.2	418854	244244.4	1911095	576310.1	692807.7	614301.5
31.26383	10	5	5	201968.6	1336124	527847.6	958573.4	125039.5	2180756	1217059	735573.6	1177600
9.392767	10	5	5	3240121	10417099	1759859	8087074	3060067	11838046	11600337	8745123	8256995
10.38125	10	5	5	203571	1143725	408040.7	734839.2	483753.9	820742.1	1677378	1420475	698140.9
9.655967	11	5	5	10786513	39762130	3833309	33413814	8629417	45416345	40601652	40278891	37051086
43.68967	5	4	1	275022.2	7164044	1431897	6145141	214615.8	6994875	6323529	6271950	6555764
10.4309	4	1	3	6009143	947836.5	432065.2	20138470	27048075	1426452	257499.8	992993	918929.5
9.40325	10	5	5	2615205	8947603	3401532	5852494	3395367	9731683	5549341	6105573	9313884
10.9645	8	3	5	362793.4	1116622	240678.9	920648.7	182969.3	1504692	1187575	1014604	906981.5
10.69952	9	5	4	384560.3	1243149	520487.4	842954.3	317274.4	886586.1	1945188	1658089	897149.6
9.762917	5	4	1	57660144	28206713	58399165	88344231	72427896	2462912	1540574	1.33E+08	2625911
9.888767	10	5	5	4567181	31411426	2051219	26320815	7095652	32494100	29807342	29025996	31605958
19.969	4	3	1	25306070	34372682	46723286	90092063	71386937	289306.3	856763.2	93514502	76770447
19.90917	4	1	3	96212.94	463112.2	111431.9	324177	180332.5	418622.3	344850.4	558037.6	391213.9
24.33717	10	5	5	1220532	2191555	384552.4	4909171	3831545	2747637	2423443	2033270	1927788
9.009533	7	4	3	425264.7	852417.4	265693.6	601058.3	286352.3	587675.7	988607	702442.9	734332.9
12.5142	5	4	1	283368	2697112	632523.8	1886038	1060526	3650140	2337255	2098396	2380424
10.07098	12	5	5	5644370	30629088	2619423	19668597	15429697	32165761	30007967	26950756	30093222
13.2448	9	5	4	139056.5	652710.5	155129	517237.2	142557.9	823363.7	816832.7	497704.3	565659.5
10.32788	11	5	5	932006.2	3195326	888987	2387243	889708.6	2328957	4696054	3109858	2936106
9.45945	10	4	4	694050.9	3423075	1245924	2071681	1674896	3964293	5176933	3373682	1902498
9.56645	7	4	3	1173842	2396986	402806.6	1690201	969281.3	1830383	2570895	2150014	2590032
9.43325	8	3	4	2282355	11061092	3289761	7687854	4069031	8134497	10636479	13893816	14952559
10.97242	7	3	4	442825.6	2176461	444111.7	1700040	588452.3	1881592	2511240	1559020	2320465
9.856867	10	5	5	13002858	55210994	5114128	49896866	6465388	62827052	55686231	49436481	56328379
21.1225	6	3	3	85860.46	240189.6	93972.17	160673.6	80418.44	375822.9	285759.2	185786.3	132907.5
21.39367	10	5	5	855849.8	2753915	2051080	1267038	805241.1	5956776	2811719	903010.7	1013059
9.527817	7	5	2	285455.5	567991.9	135403.5	358576.9	283947.8	521653.9	803760.5	455894.2	524516.6

9.979667	12	5	5	2578121	12206819	2119583	8840358	4579590	10825755	12031770	10647506	11673101
9.887133	7	3	4	1586109	5235161	1407184	3925422	1479494	6196490	2787937	5824795	6042662
9.43325	10	4	5	942510.7	3742439	951566.5	2637580	1409660	2618934	3896098	4392777	4867092
10.44062	7	4	3	215312.7	523374.8	473151.8	188839.1	64720.97	1324494	466694.7	319518	75864.76
10.98385	3	3	0	231576.4	454906.5	164159.5	328129.6	104404.1	697284.4	518014.6	346701.8	272912.9
9.55155	7	4	3	304160.8	750983.5	64410.59	476500.5	387876.3	795182.7	809675.3	723830.6	774723
9.636567	9	5	4	752177.4	2582375	299333	2047603	736781.9	3078576	2346328	2625717	2495946
25.188	10	5	5	1434032	5571095	1577648	7794557	2977664	5509383	3916262	4196457	7639314
11.7572	3	0	3	50443.21	54893.75	31356.43	136824.9	114997.7	24876.62	21286.82	65349.64	95256.36
19.74333	10	5	5	969692.6	3678853	720375.7	3019848	734944.7	3376536	4672003	2929781	3241486
10.94443	8	4	4	582696.6	3169792	503556.7	2577546	760276.4	3240672	2846241	2808595	2935573
9.840617	3	0	3	1630886	5128897	656089	3618285	2112964	4620831	6057191	5153690	4405231
9.3919	9	5	3	547325.8	3825033	1225323	2820974	966715.3	3526619	2060018	4481224	5359493
9.3919	8	4	3	753985.6	9064879	2106721	6762010	2879015	11741339	9552977	9540802	5922073
10.2666	5	3	2	200198.6	321952	166505.2	563646.1	325687.4	609150	192673.4	273372.1	226278.3
10.80745	3	3	0	217590.8	406941.9	329719.7	173745.2	60841.11	958139.4	454912.9	140275.5	206407.3
9.419733	6	4	2	1776856	2798635	2905397	7811291	6898695	7761737	741573.3	2663767	2135390
9.960467	5	3	2	521808	1037942	419125.4	700823.4	313254	1620314	714503.6	1308955	622927.4
9.91875	6	4	2	1393628	2587101	400434.6	1666586	1289007	3109795	2531330	2098572	2346728
11.27517	5	3	2	262880.3	712214.1	533999.4	1254917	655755.2	1439570	385985.7	402428.4	216536.9
9.40325	8	5	3	1338168	5198002	2116067	8964794	5200615	5625905	2547680	4154278	5368125
9.582167	11	4	5	3303437	8533221	5210215	4545348	3215694	10484936	8776218	8196312	14776412
9.857983	5	4	1	527404.3	1950294	512528	1264217	912713.4	2146688	1415964	1646748	2734053
9.419733	10	5	3	4735240	8752621	2952769	23909477	21504540	7914176	12849987	10520790	5338589
9.979667	8	5	3	2408818	963440.3	302963.2	2299188	1893884	1294935	1195624	771365.4	556944.9
17.9245	8	5	3	52795.52	190301.7	23634.04	258194.5	95765.94	167494.4	194934.2	201390.5	221634.6
9.9898	12	5	5	1777648	9089835	549751.2	7314297	2509600	9967725	9248924	8888638	8779546
9.527817	7	2	5	14478855	22372299	27973520	2659789	3999504	810625.3	66055823	34020280	10539065
9.842	9	5	4	830537.3	4984266	975433	4089796	1004891	4728531	3760072	4687964	5335477
12.0494	9	5	4	1425309	3886501	4550514	684741.4	454294.2	1499760	518293.3	4857745	1111046
20.954	7	3	4	770976.7	368331.3	163880.2	3554937	4533512	420182.5	506925.1	200631.6	525997.4
10.90802	7	4	3	247456.2	626171.9	289925.3	402926	185304.6	782543.1	1006735	309654.8	370238.5
41.28733	19	5	5	334082	6442882	3828478	3741533	760691.2	3101808	12710809	6685131	3613541
8.798117	3	3	0	275602.1	586566.4	401795.8	288492	209702.9	440362.5	527510.4	475586.4	1273163
23.81317	7	4	3	371675.7	608083.9	159918.4	1153309	772503.5	375298.3	664381.8	793786.4	675619.2

9.8445	9	5	4	1058890	4316723	1290245	2924419	1739679	3084480	4572708	3527947	3996090
9.840617	10	5	5	4646904	25005782	1179199	20216152	6799680	25408084	23397573	25697452	26312479
9.857683	5	3	2	2247223	7468474	1967631	5630874	2103213	8785134	4325735	9381227	7098399
18.6895	8	3	5	365020.6	1261205	1207083	412435.1	170600.7	2124933	567881.4	2954000	320654.3
9.8887	7	3	4	690182.8	2551126	976639.9	1702601	903052.8	2412505	1320334	3838113	3149791
9.8374	6	3	3	5552123	12089670	12450111	3327677	2072985	28917885	21974913	2275224	3604170
10.49903	7	4	3	553706.1	5382036	1166903	4316037	1197953	7045931	5618477	5479346	3827589
9.858833	10	5	5	2937032	13246295	1015912	11261952	2767945	13508317	12452390	11933867	14112962
22.49467	5	3	2	2058687	62642591	35028980	38063673	3203424	1.23E+08	41251855	43062166	43347733
9.4925	13	4	5	2786682	19086955	11654188	10754584	4090391	24887221	7575166	12099939	14308080
10.2456	6	4	2	258199.5	706947.6	246891.2	528433.6	103373.5	1012575	716813.9	588742	850049.1
29.89167	6	4	2	20411024	19865944	43736148	70920318	65862305	147606.7	182372.2	98103084	381308.5
9.994767	9	4	5	1708841	3886098	1266501	2976153	488240.7	5618736	3510089	4521351	2224823
9.964417	5	2	3	716937.5	1537363	477293.9	2033821	611272.6	2241119	1289202	1147536	1188050
42.68283	6	3	3	259365.4	4067306	1138068	4929433	681914.9	3115809	5025885	2570866	4748166
9.960467	10	5	5	672940.6	2128447	384844.7	1698859	545990.3	2560833	2470146	2076106	1654636
9.559117	11	5	4	1227377	1972859	687266.4	3406567	2009937	3030371	2210802	1646338	1225371
9.856867	10	5	5	12342762	73888758	13161478	57812066	21044884	76345554	74708655	51761441	80240080
9.992233	9	3	5	4714501	9137725	5744152	5016543	2189012	6563757	7556753	16131494	13630756
24.06833	4	1	3	92958.23	541956.8	121603.8	723793.5	247773.8	699024.2	444831.5	584124.9	395888.5
9.43325	11	3	5	1979313	12542135	3644416	7776099	6344553	15069975	11691978	14141205	15267745
9.38065	8	4	4	624035.9	3749422	1290654	2552404	1368502	3500598	3430167	4677946	1900037
9.379233	4	3	1	351489.7	587811	405067.1	267589.1	290862.5	851164	129872.7	255957.2	597496.3
29.83383	6	2	4	39378.66	100445.7	56563.77	160328.5	74482.89	113742.3	59412.56	43728.94	97096.37
9.8322	9	5	4	1149909	6261634	290092.8	5787509	653359.2	6463737	6375610	5757402	6282129
9.557333	12	5	5	2168302	13955220	3188890	11273111	2747331	15344761	14301929	11465982	18340781
39.3595	5	3	1	419699.2	6212716	1769675	4973269	187026	5592138	9337915	4954709	5501620
43.50267	16	4	3	382924.4	5631505	2050326	4119249	1055564	4596606	5043920	7285064	8132347
30.29583	6	2	4	612890.1	5673786	4456140	2140913	3244671	9148700	1119217	8907274	483800.3
41.11483	6	3	2	485250.8	5087788	2092740	6587745	804795.4	7340850	3860332	4418033	7192779
9.979667	7	4	3	832564.2	987786	294894.5	1792537	1141124	1412536	820049.5	631391.6	976864.7
10.69117	4	3	1	156353	286579.5	168233.6	166131.8	63890.9	429574.1	471989.5	101002.8	132258.2
9.918833	10	5	5	1343361	3954217	524993.9	3438054	617757.2	4592818	3778332	3171910	4132105
9.43325	10	5	5	612563	4844501	1078003	3145040	2336153	4827087	5628044	6169398	4014125
9.3471	5	1	3	1.71E+08	7.87E+08	5.03E+08	3.37E+08	4.99E+08	5017051	5.85E+08	1.18E+09	1.21E+09

39.6905	7	3	4	299858.6	4440531	3066187	2255884	1074213	2306640	9755382	4335297	3081227
9.348233	5	2	3	412255	1119489	743308.6	575199.1	364634.2	1514620	2153246	1060869	287735.4
9.691583	8	4	4	240425.2	673104.7	130082.4	537211.2	168420.9	551826.1	877045.6	722549.5	596696.4
10.9645	10	5	5	2834569	20872888	2275814	17872165	4013368	22386900	21109142	18634962	18543584
9.94455	4	3	1	18048162	7010966	7279422	15848878	11590208	1898528	1752587	1619838	13328500
31.33783	10	5	5	383007.7	2775415	701514.2	2267455	312840.1	4007947	2660547	2430229	2292624
10.94208	8	4	4	169204.4	909614.8	347433.6	617213.2	301653.4	836419.1	1199297	669489.6	511783.5
9.445217	8	5	2	1372417	5176037	2843770	7929732	3270524	3586464	7038437	1712619	4618705
10.49903	3	3	0	214734.9	310362.5	279631.5	114171.7	59984.92	779214.2	355594	182281.6	116042.1
28.4895	6	3	3	286031.4	2498376	955015.9	1755563	654296.8	1611063	3064061	1339723	3011795
9.91875	9	3	4	1092725	4038479	3192552	1790514	845158.4	9484507	4178677	1500187	2477091
9.840617	10	5	5	1351753	6904742	351548	5833750	1525408	7239307	7014432	7165980	6715206
9.616167	6	3	3	592904.1	972481.6	394021.2	674836.2	237798.8	1470178	486991.8	685139.2	1017330
27.23183	10	5	5	8882610	77956850	12775112	66245471	13347538	67518096	94809892	64074533	77262719
43.6895	7	2	3	360809.1	2705039	1197409	3713104	1043793	4255894	2525595	920187.7	2796342
9.460217	8	4	4	30135374	5.12E+08	75926275	3.52E+08	2.26E+08	5.34E+08	4.4E+08	4.34E+08	5.38E+08
10.11545	10	5	4	649261.4	1684357	836733.6	1089573	296027.8	2790268	2208298	1097909	707313.9
39.53217	6	3	2	343011.3	5546514	1548122	4345602	1054150	3312359	5287246	5298389	7512455
9.999217	10	5	5	1209714	3269830	749910.2	3955248	780948.4	2736305	2967023	2689696	4494482
26.08733	5	2	3	304114.4	3123101	1302785	1922304	1378641	2281588	3966986	1512189	3067148
9.9677	10	5	5	1842685	5377433	889189.8	3883654	2075859	6385697	5965121	4283722	4637266
9.37735	9	3	4	1156722	10374080	2650808	8354528	1679609	12906109	11158220	8555153	6740002
44.63867	9	2	3	889890.8	8352993	3014873	4848032	4555622	4987075	10045369	10389241	5175626
8.813067	4	3	1	314682.5	473916.2	477373.6	137232.2	144753.6	435693.2	402842.8	260366.6	1270678
44.581	8	2	4	264034.8	3978470	309502.9	3490926	673320.8	3572866	3865592	4093695	4416030
10.71398	5	2	3	17256098	1.69E+08	81910862	1.11E+08	23042025	1.68E+08	1.44E+08	1.05E+08	1.19E+08
15.31398	10	5	5	7318258	77495964	13330794	65450166	13598984	84039173	91857942	70203910	58121034
24.59467	5	3	2	303228.1	957971.9	1178088	138823.8	55202.53	2942792	1107078	209568.6	78289.26
23.10367	3	3	0	145504.2	654922	399069.1	940328.4	159846.7	959797.4	417916.1	1075572	101121.1
43.79017	4	3	1	503818.8	6752576	1118881	5920662	628084.6	8617008	6849785	5740080	6125631
8.8316	6	2	4	613782	2304130	1273786	1252014	1063432	1355757	4054866	2786382	2518548
10.98385	6	1	5	653421.9	1785384	748991.7	1114436	752297.4	2380053	2671118	809698.1	1417991
9.379233	13	5	5	1355111	4706600	672806.8	3640208	1475299	5712576	4089991	4222111	4454805
10.31835	8	4	4	453851.4	1564706	283567.5	1300415	307021.1	1428099	1847092	1713200	1698541
9.1932	9	4	4	4558744	14846755	8393172	7652191	7683439	16503683	26344485	16500671	11593118



10.8914	3	0	3	619683.3	1725827	889928.4	951091.6	843077	794781.9	2392906	943245.5	1659193
9.445217	15	5	5	1275562	10806774	3059471	7933559	3359650	14199063	12736058	11874224	8187777
28.47617	8	3	5	627310.4	1585860	1610461	461598.1	329004	3330862	141613.4	3332379	782971.8
11.78607	10	5	5	645366.8	1010051	238070.3	1948863	1347543	1306887	1048475	690578	1134320
9.37735	5	3	2	473411.5	3189763	1601089	1776533	1564051	4556488	4778114	3607627	1512896
10.03947	6	3	3	1281341	868447.6	644561.4	1878866	1398024	424083.8	509611.5	1990566	822151.5
9.431017	9	4	4	1959630	7134175	1204872	4786805	3310582	7184399	6855646	5534268	7183442
8.868383	5	3	2	524880.8	837536	810754.1	270219.6	205915.7	628571.8	613064.2	677022.7	2214576
10.58813	8	5	3	189890.6	415221.1	83106.15	318160.3	126813.6	512698.9	494037.7	338086.2	342767.2
11.71625	10	5	5	527829.9	1947969	552003.9	3241435	1840412	2030101	1751821	1508978	2867898
9.91875	7	4	3	938532.3	2475812	730038.1	1544235	1246937	2876448	2222524	1862925	1865027
9.992233	10	5	5	968581.6	3841964	862828.9	3044468	924793.7	4074807	5083646	3924035	3349736
42.841	9	3	3	235589.8	1470629	505019.2	1866679	364452.7	1624996	1660513	1755295	572437.1
9.928667	4	3	1	972656.5	1456231	536555.9	893583.6	706305.9	2013952	1993712	1323663	786864
27.52617	10	5	5	1438900	5057586	2174898	7492656	3141314	3910392	4217125	3281732	8764532
10.98605	10	5	5	334435.8	1773188	281735.2	1324312	623518.5	1947898	1935595	1571147	1381107
10.49903	6	5	1	171013.3	447540.7	100249.9	331151.1	152050.1	470240.8	546636.4	357722.2	328386.4
9.3919	4	1	3	6261381	2695928	1237266	24973088	32175148	775500.3	2494989	3675442	3892766
9.952017	10	5	5	2484462	8475147	1250435	7238125	1505934	10092355	9124111	7037711	7425087
43.3875	7	3	3	355307.8	3541345	1391682	5167300	2128597	3932745	4729646	3727286	4173209
9.989483	5	2	3	6706083	28128897	14758970	15067015	14564352	12842990	12098147	37228413	34184599
9.460217	6	4	1	560757.2	1261387	485565.8	2047524	1095143	1065565	1730811	1820128	731633
9.888767	10	5	5	5515436	32827396	4225521	23843642	12763198	30208017	28129154	31217905	37135426
9.887133	8	3	5	1.99E+08	5.4E+08	6.86E+08	65448199	17759244	1.57E+09	9.18E+08	71098510	70525778
10.95055	9	5	4	372885.7	2235884	444613.5	1794125	540082.2	2577569	2446168	1674760	1843691
7.34645	8	3	3	218630.8	6768634	3633694	11029424	5596305	6720915	4333756	2130397	10235145
9.419733	5	4	1	696707.8	2204439	1139667	1310209	830241.1	3948901	1756316	2148604	2351930
12.41192	6	4	2	94341.99	459266.5	315716.1	798319.8	431788.6	302741.8	357547.6	187848.2	997886.7
9.856867	10	5	5	697842.3	3221792	216347.5	2781790	625018.8	3360355	3175975	3430494	3267197
9.842	9	5	4	1970316	7993556	910637.3	6294784	2400960	8375553	7798712	7736223	9266482
10.45545	4	1	3	150145.6	238034.9	63092.2	293714.9	62250.56	190344.4	347477.3	202080.7	220391.6
9.541433	8	3	4	1533976	2929927	2056107	6610923	5187932	5798451	4290638	2072131	790761.6
9.445217	9	4	4	1345371	12206807	2422966	9277897	3888202	14586746	13587103	12492606	8228431
11.16645	9	5	4	461178.8	1862129	671392.2	1251352	703304.7	2678076	2133676	1694069	848950.8
9.845483	7	4	3	1746706	6551909	1930187	4833913	1939819	7608044	3830945	8968383	5814428

9.460217	8	5	3	872443.5	1249017	431475.1	2741679	2153510	1945086	1324798	913072.6	1183647
9.460217	13	5	5	662553.2	4943603	2059537	3165997	1942206	5853233	6594168	5075781	5807968
21.25283	10	5	5	111485.6	641260.5	284171.8	440983.9	102614.6	456214.1	944436.6	473835.9	376416.7
9.684583	7	4	3	223544.6	559432.2	197000.7	404666.2	145021.6	756442.7	706189.4	472900.1	595607.1
17.19067	8	3	5	63237.07	269054.1	62776.77	215616.6	57446.21	325527.8	218146.5	191407.3	279056
14.69105	11	4	3	379130	3971730	3666887	1417373	1008377	1466483	974511	9431457	1905622
10.01477	3	0	3	2728190	6198905	3270175	3085509	3724803	10070409	2013671	8762383	5838666
9.744917	10	5	5	1400439	3063599	1085208	2267203	592809.2	4509261	3947508	2302533	2402109
9.3735	6	3	3	399534.3	1357855	547249.5	883885.4	521068.8	1360410	2043863	1427323	1445307
9.8322	7	5	2	1143728	2304040	686105.9	3198109	1211144	2470707	2847167	2708367	2369912
9.8322	5	3	2	1204591	1648077	833844.1	900458.3	852360.7	2180481	2634192	1189630	504340.1
9.392767	10	5	5	4460603	14958293	2897941	11600606	4413826	17937950	16575342	12152530	11550552
30.5805	7	3	4	1547140	11083301	10390318	3877360	2446781	4425686	2959620	28885952	9477382
9.976317	9	5	4	3291940	1640454	584717.3	5667129	5844824	1813395	2081224	2179327	1371392
10.9645	10	5	5	54864748	3.76E+08	44700896	3.26E+08	64651822	4.02E+08	4.07E+08	3.24E+08	3.3E+08
43.89083	5	2	3	205478.7	1114371	379811.7	756100.5	426505.9	858226	852068.2	823509	1395489
9.9898	8	3	5	8067024	24113889	5198440	16134637	11110019	27022839	21849213	21744467	31587141
44.72483	6	2	4	372758.3	4352650	1025459	3580584	645779.4	5035945	4553807	2549815	4695690
9.842	10	5	5	1671929	6634169	2271504	4771376	1907330	6208413	5341181	4672398	10494846
40.95667	6	4	1	465947.7	9748172	4918558	6350428	918701.3	8834131	9374035	18101573	6941998
10.30302	5	3	2	213786.5	534946.9	420404.8	244111.5	88642.96	1130373	795686.6	276204.4	96525.2
11.02755	10	5	5	431622.5	2977900	365052.2	2407992	795571.8	2870612	2808384	2641563	2974862
12.50037	7	4	3	97592.05	923363.5	107701.3	794140.6	171868.8	831573.6	1057423	880103.3	828651.1
9.465	12	5	5	1237175	9016372	1220822	6352682	3811627	8041357	9922856	7524139	9186624
9.659033	7	4	3	351667.5	1308761	170107	921094	555733.7	1221496	1326177	1121477	1296448
11.74603	10	5	5	248004.8	1368065	281540.1	1046533	421454.3	1696442	1535490	985611.1	1192013
9.601917	5	3	1	422831.8	532100	181276	272928.3	357720.7	708521.2	742363.3	340022.1	422982.9
9.379233	7	4	3	562351.3	1478841	902074.1	744434.2	744674.8	2028636	328667.9	756451.2	1798854
28.27233	5	3	2	39669.55	136011.7	40819.03	176119.5	49161.86	101345.6	133934.6	92456.55	163166
22.181	7	3	3	221069.2	1050624	510469.3	623250.9	452429.4	785450.5	1195703	517873	900588.9
11.27298	10	5	5	284504.3	1295414	406286.6	949278.3	375188.9	1113221	1053208	1166775	2018556
9.701933	11	5	5	1794740	4575913	984929.3	3777413	805036.6	4113164	6123623	4968113	3951304
10.008	7	5	2	263030.5	794977.2	190752.8	548054.7	335110.5	937578.5	630579	652295.6	697912.1
18.54067	8	4	4	69359.44	348971.7	151250.6	243926.8	41939.07	458854.7	237836.1	201870	554370.5
10.95055	7	3	4	264500.3	1183128	169079.6	977569.7	275016.7	1275232	1290558	1024809	977569.2

8.642033	8	4	4	931042	11766106	3774537	9092265	1569430	10635187	14738560	7761738	9072593
9.374083	9	5	4	487171.9	1151850	262755.1	750381.9	560361.4	1586301	995970.5	921349.4	1061375
26.76717	5	3	2	357107.6	710609.7	478033.7	1381757	925702.6	552962.3	163128	1289163	422655.9
9.992233	10	5	5	742540.4	2920672	174618.4	2407952	741699.2	2996855	2691868	3128448	2795320
9.960817	10	5	5	2804306	9856408	1752449	8085968	2209780	10747541	12506498	8707416	9038214
9.93625	10	5	5	14501188	49338431	4034480	41155640	11697935	52904470	54099743	44656263	46755894
9.856867	10	5	5	2208878	12266810	1138340	9759725	3598005	11703422	11140651	11706014	12779151
10.96278	3	0	3	877264.1	3937305	902767.6	2665756	1755485	3509549	5427169	3345060	3257320
11.97977	10	5	5	669320.1	4531574	841173.6	3193392	1878339	5614341	3513984	4307444	4082112
9.541433	8	3	4	2784826	14109792	7072656	8350119	5878877	12395957	3200816	22069244	17841562
9.904767	7	4	3	757580.6	1094938	484087.5	2044499	1355799	1166099	318883.5	1650191	1242341
9.94455	11	5	5	12813098	33960593	11012474	23863891	11836401	49203295	40150253	23323876	23924143
9.960467	7	4	3	3750146	3688156	4125978	8720647	6751158	2142653	1843098	1868961	1527443
8.8977	5	3	2	740280.1	1515263	1257915	642605.8	360666.1	581437.6	1530069	940470.9	3678331
9.559117	9	5	4	497162.3	1193445	283591.5	811575.6	523720.1	1240104	1596651	929300.6	913600.3
10.95835	5	1	4	658806.7	1482528	412490.4	1942003	600100.1	2095336	1617935	1132516	1077352
10.02963	10	5	5	1229212	4096134	806610.7	3445815	654379.1	4491993	3260145	3790727	5298274
20.97733	10	5	5	845865.9	4562009	1154676	3733908	556086.5	3685801	6368905	4833838	4462535
9.903567	4	3	1	1557634	3113542	499383.6	2006446	1592031	3746772	2670247	2699186	2907026
9.365833	7	4	2	800897.5	5537436	918721.7	4124189	1978860	6272551	4744915	5263929	4683540
39.89183	3	0	3	334647.2	6176762	248131.7	4817747	1982192	6085423	5950423	6326168	6534965
9.770733	5	4	1	1071749	2011225	417513.4	1304432	999966.1	1736607	2398866	1880533	1543430
9.4873	5	4	1	969359.1	2806462	2286951	5052307	2768675	6493161	2632334	3044184	1255077
10.90197	7	4	3	411686.5	543617.3	297024.8	970725.5	593022.9	371042.3	517595.4	1055674	312373.5
10.00098	10	5	4	1052664	1170009	219759.2	2333260	1697702	1259037	1051347	1418891	1266776
9.992233	10	5	5	759661.6	2951524	354061.3	2471389	660592	3017669	2584931	3178597	2595518
38.92783	12	2	5	475417	5289278	1091254	3953596	1797634	4719676	6767687	6128083	4521612
9.36565	5	4	1	847152.4	1554214	571958.6	983298	711030.5	949753.9	1609927	1578623	1183132
9.544833	10	5	5	1400583	4323567	1522900	3197302	903440.9	5587068	6181803	2804562	2958430
10.94962	6	4	2	171439	627327.2	219708.9	789509.6	129108.4	878855.1	376400.2	715174.4	416927.4
11.147	4	4	0	71046.67	195228.7	32497.27	148318.9	65228.72	241073.7	196476.1	149612	190075.2
9.842	9	5	4	2141385	10368593	1500949	8288904	2873315	9626387	9050396	9568677	10800680
9.992233	6	3	3	774405.5	827279.5	562777.4	1613626	1087970	972967.6	1551152	1061722	106040.2
10.71765	5	1	4	3386208	4387159	748635.7	15385882	16090529	4790722	5435687	3678357	3698569
9.43325	13	5	5	823076.3	6082239	1758863	4285430	2267380	8124899	7100172	6581903	4839865

9.5876	10	5	5	14188077	60203759	8953286	47018634	18393104	68539039	65938755	50906404	50056917
9.848417	6	3	3	1367732	5242078	636752.5	4172841	1513930	4688210	4697016	5669798	6129837
10.9645	4	4	0	479577.4	1057290	311888.3	795685.3	280908.2	1403268	1144425	1245578	617588.8
37.76233	5	3	2	230423.5	1152458	520472.4	1555693	375860.8	1642290	1099396	1251812	298209.9
26.99833	10	5	5	748768.2	5069222	808893	4267208	996587.3	4324136	5981571	4720596	4421083
24.7685	4	3	1	370819	963397	1313928	65792.24	78277.08	3138097	1270695	185831.2	0
9.475667	15	5	5	1756613	15256937	2740060	11716769	4833301	14147973	14943718	20051796	13683873
9.94455	10	5	5	2030940	4122530	523679.8	3558788	729366.7	4913719	4061165	4194230	3987149
10.86275	5	2	3	192486.2	678540.2	176014.6	511470.5	202249.7	773352	752146.1	611281.8	404491.1
9.460217	9	4	4	549112.8	1897540	724877.9	2613411	888949.4	2338496	2926463	1507436	1119400
10.008	9	5	4	1309538	840034.8	266892	1965769	1644592	995693.7	969141.3	1081569	730496.4
37.182	3	0	3	431556	707118	354097	4051476	4900379	1222729	672342	535546.8	272115.2
11.74603	10	5	5	3347766	21709782	2320198	19187933	3279490	21874306	25240780	19813128	19427776
10.01545	9	4	5	319391.3	774261.4	97988.63	1003310	331327	655874.4	774489.7	699574	860230.5
9.379233	8	5	3	1496857	2943532	1583861	1830123	644273.5	3444192	2533137	770759.8	2817306
10.008	8	5	3	1060288	620621.7	107354.7	1065396	650161.9	695485.6	657833.9	709952	446268.6
9.960967	12	5	4	2072142	2384590	925699.8	5733295	4889479	2612406	846164	2525099	2579308
9.3919	11	5	4	1416780	13228067	3978109	9237468	5006559	17600803	8156470	16714331	12934510
14.31217	10	5	5	1492536	3530710	975858	7102412	5221673	4743998	3973918	2985023	2192371
9.8445	5	3	2	884532.5	3280300	1066879	2386278	965816.4	4199035	1623615	4248195	3187523
9.93625	11	5	5	13743727	89658074	15576042	66645610	32244784	88794684	64728748	92522178	94910619
9.848417	10	5	5	1706299	6967710	590796.9	5695202	1838206	7348886	6903449	6054405	6923290
9.4468	6	4	2	414988.2	1493676	404728.3	1056808	567943.3	1706036	1968800	927528.1	1264937
9.388367	10	5	5	1547368	6686904	711347.9	5286814	2013615	7812423	6358972	6012712	6931460
44.52367	8	4	4	925439.1	19179417	4824619	15894468	346193	27799110	16801484	17205496	16771154
11.27298	10	5	5	335113	1131641	354037.8	699623.4	584273.4	1587552	968212	1370277	1051573
9.365833	8	5	3	446171.6	2862651	786477.3	1951576	1214595	3345725	3464883	2495191	3365545
9.445217	14	5	5	2192443	16512868	5308259	12089393	4755679	22291379	19607931	18625711	12588905
7.394767	10	5	5	2695543	50433650	11597544	35894190	19811968	45888745	58840312	32106901	55905990
9.9014	10	5	5	4401511	21759774	3964334	16688882	6941318	21868072	18450638	17397219	27002176
35.919	3	3	0	124417.5	459672.3	220555.7	634282.7	173013.5	433502.1	235558.3	362732.6	825622.2
9.94455	6	3	3	1008077	2366166	612516.5	1882241	477674.6	2738122	2560234	2514186	2732971
9.46265	10	5	5	1233410	4828251	572416.6	3805865	1463567	5340574	5100645	5065918	4761383
9.840617	10	5	5	3342011	16600917	2019513	12523006	5883640	15592118	14762031	15236048	17939449
9.445217	14	5	5	1302812	11477143	3064245	9030269	2467622	14878814	12933086	13079761	8711560

9.37735	5	2	3	3795656	22227925	12564172	12427342	9439599	8516196	9954658	25123727	30785220
16.46058	7	4	3	49380.88	130484.1	41600	178199.5	63545.48	81246.26	89794.89	166707.4	163972.4
9.3735	6	3	3	728643.1	4026909	1263681	2752529	1610835	5204139	3824694	4648031	1944087
9.840617	5	3	2	1498574	1539653	368289.3	4161721	3857176	1574248	1771907	1810873	1637420
37.12983	9	2	3	419631.8	6692531	2455579	4644175	2212016	11056429	5581170	5160162	5913378
41.6325	7	4	1	511520.7	6575246	2408884	4932074	447307.1	4688342	5411947	10471808	4978214
22.76917	4	1	3	71240.39	203037.3	69220.86	152653.9	39002.77	128324.4	300408.9	239738.4	151062.9
23.747	9	5	4	242658	903906.4	448439.4	560684.4	316588.9	1311838	1003509	1312000	300602.2
9.858833	8	5	3	519798.9	2305735	584595.8	1840891	466089.1	2433321	2379412	1609007	1946372
9.392767	10	5	5	3180099	10292231	1795364	8187282	2824373	11812438	11464556	8412385	8251277
9.445217	13	5	5	1667150	15208339	3923373	12394698	2015104	17966469	15028422	10051182	19962636
9.431017	10	4	4	523119.9	3869234	728655.1	2765824	1556513	3372766	4718519	4141287	4222659
10.94835	3	0	3	832194.2	3368185	431829.2	1994624	2011775	3144840	4054152	3055784	3051627
9.4925	7	2	4	686178	6850811	1635725	5097570	2282507	7684528	4167141	6615401	8429884
20.28833	3	3	0	98372.27	242719.9	188659.3	374734.4	77057.77	425321.5	106017.5	470945.2	124091.1
9.392767	10	5	5	4388080	33498643	7481127	26719870	8001734	46031064	30023723	26258845	33166732
9.856867	7	4	3	725185.1	1491665	1031504	2278515	721742.3	870225.8	1391173	1120063	788689.3
9.952017	5	1	3	477540.1	722720.4	421185.3	1138557	520721.2	279847.5	255939.1	962612.5	1140451
9.952017	4	1	3	282106.4	346078.7	337310	610946.8	259884.6	0	769795.5	481870.9	478727.1
9.999217	3	0	3	999389.6	1303222	801028.2	736744	369170.5	2223681	129878.9	1409586	1776831
9.986767	6	3	2	592771.1	1867677	829213.2	1070854	982608.9	1872626	450801.4	2111939	2424734
9.872883	10	5	5	2933694	14021385	876981.7	11346793	3918039	14245427	13071574	14833175	14833171
9.976317	4	3	1	791226.7	378423.8	355187.2	713646.8	408588.7	665019.6	500596.1	726503.4	0
43.416	3	3	0	225003.7	3273005	529950.8	2912821	83777.52	2969029	4212356	2970893	3076322
17.16983	10	5	5	226545.5	1204863	271719.3	981676.3	237074.5	1613171	1321007	1091581	905049.9
9.64815	3	3	0	217065.6	358641	80076.84	238895.6	168972.2	414276.5	248546.5	421427.7	411293.7
8.857667	3	3	0	204913.9	339277.7	209288	173971.4	164859	321530.6	326519.4	251847.5	681202.9
9.992233	9	5	4	386151.1	1291710	468138.9	892461	445943.9	1262326	1204122	862171.4	1048130
13.24403	10	5	5	10684810	1.02E+08	11750688	91970241	11150538	1.16E+08	1.12E+08	89893307	92355143
10.57272	4	1	3	183701.8	326421.2	80925.48	262350.2	64235.92	208305.5	418724.6	364010.9	287050.1
9.928667	9	5	4	1183896	2964532	693764.5	2225424	962885.1	4069733	3201940	2540502	2354065
15.31398	10	5	5	1802032	17218631	3458146	14229702	3389434	18784798	20965854	15349041	12186499
9.445217	6	3	3	543479.3	4720760	752836.3	3727200	1376046	5681122	5280554	4323359	3810693
9.848417	9	4	5	941086.6	3638360	1225621	2665027	981896.9	3612221	2631338	2725484	5676023
9.912633	10	5	5	2379448	12504478	1352380	11226037	1564152	10981166	11338006	13569410	14085161

9.388367	6	3	3	819367.4	8057140	377326.9	7255369	1164782	8574585	7716903	7773056	7887444
9.976317	9	4	5	426067.1	1104835	208716.6	880068	294308.1	1156249	1345733	1228459	973644.6
9.162767	8	4	3	1115602	6392553	3128421	3660731	3134418	8711354	9842561	7143118	2968237
9.983433	10	5	5	856749.9	3728691	421138.6	3185580	749246.1	4260736	3986444	3517286	3167501
9.872883	10	5	5	1909471	10656458	885750.7	8500693	3150862	10135722	9594212	10448173	11338805
9.34115	3	3	0	12787816	7524505	8819266	27581244	29258398	14538215	1263851	1304812	1062627
10.91673	7	3	4	334967.5	1181709	322628	906047.9	309685.6	1504844	980537.1	925976.6	934648.4
13.04047	6	4	1	52908.7	204434.8	54525.8	145712.3	77039.74	238033.3	171114.5	124322.9	239427.2
9.523633	13	5	5	5129618	37689392	13754956	27350467	9249114	51989019	47597716	42720055	23902315
10.95055	9	4	5	256838	1140746	418083.8	802046	355572.3	1738986	1379536	726384.5	821605.2
9.721317	7	4	3	871953.4	1796813	965917.5	1085694	594988.1	3382829	1549919	1712726	744468.2
9.40615	8	5	3	513938.9	1143671	319965.1	679273.3	655283.4	1237745	1554629	841445.9	797452.3
9.379233	3	3	0	1662444	2574628	2285813	4455893	2022411	962601.8	5809173	552596.8	4129087
9.568567	8	5	3	1643948	10690032	1167201	9113034	2200615	10755976	11992187	9911739	9176563
9.8887	9	4	4	3556530	10241548	3657782	7622205	1931014	10929793	6473413	16130357	9170155
9.379233	3	3	0	1293096	4561890	3408819	7940693	4272078	8464856	7998249	2648184	2576246
38.55383	5	2	3	323303	5272960	1505942	4219342	654060.4	4354496	4727972	4536318	7949079
9.392767	10	5	5	97662128	3E+08	57981809	2.37E+08	81898866	3.35E+08	3.19E+08	2.38E+08	2.41E+08
43.12867	15	5	4	339394.4	4046385	667069.5	3345309	912173	4642666	4614396	3239013	3428496
9.445217	10	5	3	1134433	6862036	1265679	5149771	2391058	8091986	7332697	6224022	4970249
9.388367	11	5	5	2282379	8571494	2968720	5952600	3050236	9615971	5681813	5795340	8955192
26.083	5	3	2	53667.5	148435.9	58427.86	104404	39873.13	94080.49	172039.3	238384.4	106573.9
20.2735	5	3	2	123382.9	369511.4	151925.2	245043.8	133301.5	577275.2	453566.3	181365.5	291973.1
9.3919	6	2	4	886707.3	5802964	3310778	3538884	1004125	1737688	6980626	7865341	9481907
17.0445	5	3	2	1414758	1308025	1579192	4474053	4605244	203446.1	3185299	152901.2	116541.2
9.640367	10	5	5	843047.1	2380598	1200446	1475051	825013.7	3098874	1825704	1028026	4071532
9.856867	10	5	5	2799553	10731547	2316859	13683713	4080533	11685627	11463840	10502000	13078108
9.999217	10	5	5	935598.8	2244085	719410.9	1652889	636604.8	2201130	1958453	1809031	3493642
10.008	6	4	2	249996.4	605607.3	286008.3	338823.2	325735.5	615100.1	825457.9	649315.8	122967.6
10.9645	9	5	4	1389482	6574228	1140900	5014038	2186416	6971596	7652016	5256716	5461285
29.22367	5	1	4	150633.8	119126.2	30591.33	402499.7	420837.5	95482.39	120387.8	82090.02	144053
9.445217	11	5	5	1261131	11529311	2796926	7955891	4946731	14430896	13848409	12101369	8192146
43.61767	13	4	5	330145.1	6210363	4438106	3146253	1674039	3965853	14134112	4003295	4653736
15.59935	7	3	4	56475.79	251507.2	48178.02	193177.8	79764.66	255764.6	270606.6	170653.9	261395.3
24.69583	3	3	0	458966.7	1368742	1852682	121396.2	168547.3	4462811	1720640	258265.7	10979.92

9.859983	5	2	3	6897081	24455190	19654326	9865814	12733852	30849345	2690716	44394329	4527278
18.76067	9	5	4	883080.4	5146910	923167	4127877	1356992	5107769	5855523	5089972	3675645
11.34412	5	4	1	110904.8	335600	224952.6	181945.5	70174.2	717076.8	355905.4	211017.9	232617.3
8.67205	5	3	2	990657.1	15879949	4692696	11835954	4628957	16424771	23690615	12299650	12360432
9.419733	3	3	0	500070.6	746238.4	237983	360448.6	553848.8	671130.7	1009487	379680.8	809738
9.4468	8	5	3	619991.1	2712066	926708.3	1771510	1210372	3650324	3644073	2675409	1751774
10.77503	10	5	5	367869.3	1005407	358628	748643.9	193803.9	766729.9	1553931	1150448	904679.8
24.609	7	4	3	108821.4	285838.4	82960.83	406536.9	171148.2	217407.8	413951.2	277353.8	209981.4
9.392767	5	3	2	593867.6	1107380	335580.8	616370.7	696840.7	1576083	1247222	787086.3	780105.1
9.872883	11	5	5	2235883	11532525	705810.3	8604672	4343263	12154477	11856027	10362629	11876428
9.93625	10	5	5	4155467	8726176	820068.3	7205281	2208647	9469411	8325040	7837417	8279287
9.388617	10	5	5	45759112	1.75E+08	58721036	1.26E+08	52985580	1.9E+08	1.18E+08	1.26E+08	1.75E+08
8.837567	5	3	2	318399.1	757536	685648.9	284065.4	265853.4	464890	959991.4	540834.3	1821964
10.00098	12	5	4	1945788	5368041	1721904	7512034	2957700	7716582	3357664	6042354	4044703
44.9835	8	2	3	334354.4	4751911	2361101	3144715	686031.1	8968844	3577537	3838514	3552126
10.03947	9	4	4	974603.8	835885.9	640787.6	1612367	1064365	461895.4	649630.1	804941.9	1935274
9.445217	9	4	4	1503041	9764635	1978788	6942563	3992980	12079653	9668379	8862882	7030869
9.40255	9	5	4	701456.2	2459207	874101.9	1742641	774218.8	3291199	1396155	1652489	2828700
8.8977	4	3	1	503593.5	6375819	1646809	4598838	2350445	5606476	8493989	7752274	4729300
10.01545	8	4	4	813972.4	555013	115827.4	980841.7	631585.7	396638.9	657653.6	544657.7	499301.1
10.20467	8	4	4	563664.5	1277471	263628.2	1586945	421514	1010269	1382014	1684541	1148268
11.38433	6	4	2	105085.2	258604	86496.3	190903	68119.8	272170.5	401567.1	204498.1	183610.2
10.0614	6	4	2	387142.4	952591.7	476808.8	593716.1	330565.3	1416761	1493065	767334.8	416794
11.53673	3	3	0	93037.1	327741	106574.7	590043	386795.8	411772.5	181780.6	248326.7	378774
10.01477	13	5	5	442269.4	809730.8	391986.1	541130.3	139680.3	1486131	801580.9	656454.4	573868.8
7.288367	6	3	2	606023.6	4894486	4676999	1654774	1954421	7798717	1512423	774293.9	2717033
9.388367	5	3	2	741959	3809613	1740900	5323477	1759384	4151128	6217165	2747774	1613386
9.8887	6	4	2	836635.8	3424569	910741.9	4118095	659343.2	4665481	3713557	2325991	2764760
9.976317	6	3	3	569128.1	599277.4	263451.8	1111379	748112.7	715185.5	1002099	513336.8	361812.5
9.874317	5	1	4	1286570	1990086	461479.9	2959033	1421378	2057918	1262282	1974634	2116588
9.36565	7	5	2	694965.1	1241650	295642.1	896916	469376.1	1705871	1191333	884850.1	1176717
10.55887	10	5	5	11149794	1725702	389702.4	35576379	50574725	2087703	1809173	1440256	1212574
9.93625	10	5	5	5134625	21218859	3600638	16666169	6325760	24316595	17391691	17880814	21227697
10.74945	5	4	1	187526	625768.8	392586.9	320906.7	303286	1079065	393164.8	1016584	412775.8
9.840617	10	5	5	956281	4543134	267390.6	4197407	482767.4	4434007	4548830	4731427	4157924

9.41815	7	4	3	1111039	9521295	2156062	7975046	1205152	6309340	8973855	9357698	11124775
10.02372	8	5	3	258574.4	759379.9	299628.2	505580.6	287604	486740.9	1031280	581871.6	562626.5
10.95835	9	4	5	601186.6	1779849	309516.1	1435782	461978.9	2155881	2032547	1617528	1400310
9.848417	5	3	2	693793.4	1300959	817299.3	1962890	709044	1980885	405643.4	1775701	1929243
9.9677	10	5	5	1095664	3129755	787394.9	2520072	604231.3	3350009	3125005	2071066	4242406
9.842	5	3	2	1135469	4367143	1301209	3126184	1554324	5394542	2500056	5786457	3921480
22.47367	9	5	4	3636050	25268747	10558219	17862267	5105349	23011364	43598884	16387746	21874656
9.379233	4	3	1	433027.1	751125.2	606770.3	290207.2	438653.6	1393532	259013.4	0	860317.4
9.67	10	5	5	881317.6	4422812	1733637	2983602	1596841	6130216	4302639	2748048	2694058
43.73267	7	3	2	391616.8	4972060	1315477	4038098	696185.7	7078655	4190889	5442175	4217389
8.799267	6	5	1	88098.87	331468.4	141830.6	197484.1	166976.2	341648.6	545688.9	201025	203742.8
9.43325	7	4	2	413513	2199829	906011.8	1320293	1114665	2204682	2889492	1617882	3253224
9.992233	9	5	4	1074714	3729423	461999.5	2711441	1500241	3445030	4214730	3092387	3812475
9.317	4	3	1	349927.7	649920.6	253871.6	346578.6	417194.7	898991.1	711477.7	755069.2	659387.8
24.4635	4	3	1	407133.2	1125439	1559451	84807.21	81872.23	3825065	1102127	350712.5	50540.36
10.44062	6	2	4	205090.7	934960.4	202257.2	685040.3	346784.4	926990.5	942036.9	1219915	648061
9.91875	7	5	2	3027992	2791213	1094272	5732329	4367223	3591944	2393555	1389529	2416709
8.981583	9	5	4	576254.4	1932824	579928.3	1333156	786103.5	1983733	2522445	1321226	1361334
9.972483	5	3	2	326782.4	695124.5	224845.2	427042.8	368901.5	357567.6	697834.2	622902.2	888642.5
10.9645	4	1	3	539190.4	1628719	216679.6	1282207	500888.9	1580096	1724779	1919780	1328700
10.95602	7	3	4	823515.9	2796872	832868.9	2183639	539062.2	2307900	4126961	1929539	2726790
10.80383	9	5	4	213125	766907.4	268407.9	550447.1	232043.4	641942.8	1240384	697473.8	579350.6
9.920517	11	5	5	11954934	49909213	5796203	44515680	6678736	52332876	39769582	54375229	52019580
9.928667	11	4	4	1705280	3733583	443109.5	2987642	1084116	3810399	3286680	4446953	3484668
9.888767	10	5	5	1134426	3690465	743068.6	3035668	777365.4	3269113	2929034	3380505	4089649
27.72483	11	5	5	6237571	31027092	10294195	41963403	14515759	25287289	29206426	22263000	48611862
9.460217	7	4	3	657234.4	4258581	1372330	3130437	1243444	5589379	4619314	4365208	4774411
10.38852	6	3	3	214412.2	812127.3	140066.4	687640.9	148951.9	887742.4	974017	779093.5	599092.4
9.36565	4	3	1	487546.9	873189.4	391679.9	548479.3	361800.3	1187263	451094.8	445332.1	1069708
15.55905	9	3	4	407908.9	5163906	1737434	3817316	1351546	8214521	4900203	4259521	3989142
9.516467	6	3	3	1101122	2891844	2477608	1230916	527166.2	1456437	684879.6	2951485	7049803
10.9742	7	4	3	406237.7	971788.4	434033.5	1366055	480388.6	840763.7	662992.9	946167.8	688735.3
10.95835	4	1	3	878174.6	2607741	1540939	1519638	803598.3	2859070	4785909	2267092	469538.5
10.37908	5	4	1	115403.3	234565.9	92465.34	156541.3	88876.14	340933.6	311665.1	201791.2	111718.6
9.872883	10	5	5	2835362	13851537	1579674	11253856	3771461	12355769	14071780	15657589	15051383



10.94443	4	0	4	282472.3	812891.3	352669	567651.5	163084.6	747384.5	1377874	449109.2	617644.4
10.51423	10	5	5	1676431	16934159	6645164	11361442	6304964	25154725	19769270	18091877	7285326
9.928667	9	5	4	2002142	4945105	906322	3895978	1435139	6229370	4988491	3879797	4331665
9.9847	4	1	3	602204.1	954972.9	610126.9	543014.7	179843.6	1579218	195698.8	1331835	1253325
9.864767	6	3	3	2268018	1910488	785886.5	5693642	5670219	1043488	1616952	1807639	1900323
9.4468	7	4	2	541598.3	1775765	573448	2370978	783643.9	1005507	1897052	2606213	1710053
28.7	8	4	4	229213.9	410018	132424.5	760657.3	521631	535294.2	405188.6	297924.7	261225
9.840617	10	5	5	5630280	27678007	2674945	23312656	6335338	31406880	28936898	25700250	24641593
10.94208	4	3	1	375231.7	634637.5	450631.2	1032741	474818.7	201163.2	400255.6	333737.7	1188494
11.36005	4	3	1	83232.42	200802.6	95924.18	133117.6	49983.66	323490.9	271054.6	188638.4	97568.82
15.36577	3	3	0	3986856	7758845	10750065	15008233	3088746	83230	22838806	182314	146994.1
9.8207	5	4	1	1230517	2209355	974773.7	3278757	1439005	1557031	2390775	1904081	3811503
25.2625	3	3	0	414520.8	1202489	1581490	149329.3	161040.8	3841408	1495114	98827.03	106517.6
9.983433	3	0	3	343394.5	226970.7	296079.9	582764.9	492127.5	739637.7	69289.11	203292	0
9.089733	10	5	5	5300082	27444815	4724276	21514425	8287599	28168754	35291877	24332104	23577856
9.1932	8	5	2	396256.5	1023136	966629.6	368529.5	314295.9	802710.3	2724294	727165.8	483384.6
9.328967	7	4	3	843668.5	8596501	2653913	6165939	2987011	10020527	4255083	9098391	11240921
9.4775	11	5	5	2976130	25845744	5993046	18892848	9533062	33397437	18827870	30058861	25518091
19.869	6	2	3	169543.1	691092.4	241205.1	433884.6	342925.8	685316.1	949271.5	440485.1	463011.9
9.538267	7	3	3	3905724	44250414	27785929	22471906	22448409	54937990	1930267	31059337	65174286
9.300733	4	3	1	584620.1	1216693	666031.1	745908.8	353961.9	2382427	773275.8	1144700	858428.9
9.949233	11	5	4	1307276	3482235	809398.2	2888353	523253.6	4661189	2525741	3303390	3836427
10.64708	8	5	3	356314.8	1452269	345063.5	1110122	441973.7	1005302	1857978	1738263	1338730
9.644783	3	0	3	1896616	392617.2	182214.2	5273788	7349117	312499	194740.5	684434.1	354231.7
9.445217	14	5	5	1925866	13796740	3863777	10369187	4115865	18015536	16554491	14899018	10238438
9.379233	9	5	4	482621.8	1170012	312844.4	879768.4	360584.4	1615311	985561.3	928847.6	935650.6
9.392767	10	5	5	3937944	15775864	5790462	10807385	5787054	16860238	11248789	10625642	15122400
9.93625	10	5	5	33572832	1.27E+08	24128923	1.03E+08	32430482	1.55E+08	1.36E+08	95861045	1.09E+08
9.960467	8	4	4	1418772	2974630	1357523	1760712	1468054	3505133	4773929	3193057	1172255
12.64667	10	5	5	2865535	22299458	3341524	19029539	4198066	25952823	24651469	18661306	18908352
39.8055	5	5	0	298657.6	5296168	1768075	4120111	223118.7	5393853	6393432	7581488	3478608
44.42267	6	3	3	345883.4	4080337	1812080	2709713	1317965	2842827	3130681	4276891	7159072
9.445217	6	3	2	683522.8	2245039	432694.7	1475909	1127274	2129424	1795581	2506333	2854698
9.912633	11	5	5	3537398	16590861	3908692	19543089	2831905	19342639	11276933	19979297	18773725
9.845483	9	5	4	2880341	16464682	1832437	13262057	4690913	14605642	14851264	16452738	17400200

18.99483	9	5	4	238826.1	472879.3	267401.3	925399.5	661098.4	943191.3	286449	395633.6	332493.7
10.01837	10	5	5	465059.3	1431495	304083.9	1050517	533781.4	1818611	1532718	1371400	978150
9.848417	10	5	5	2251169	7137341	429316.1	9067782	2902444	6697318	7449975	7720986	6933336
42.75467	7	3	4	435150.6	7228210	1600809	5294389	2687573	6953575	5984397	5449004	8988913
9.960467	10	5	5	1690775	6442279	816869.3	5544400	1214065	7695689	6812506	6092493	5688527
9.37735	6	2	3	610653.4	5186975	1432880	3881426	1605464	6155310	2798058	6040152	6053386
43.77583	10	5	5	1278754	29105014	2125104	25013894	6035615	25790958	30920898	30537453	30067886
13.2733	10	5	5	1129278	8913812	1044424	8021485	1038249	9416172	10513364	8130515	8068192
7.563483	9	5	4	13071265	3.75E+08	2.01E+08	2.18E+08	1.64E+08	2.03E+08	5.35E+08	4.23E+08	1.31E+08
9.40255	13	5	4	3315479	24575014	4322191	18132294	9304082	23718881	20346415	31839246	24180667
9.398167	12	5	5	12787816	22894601	6120647	52398735	44436341	13230573	27087989	25984796	20445540
9.94455	6	3	3	805997.4	1467841	432581.6	1005936	618959.6	1646027	1686277	1976579	1029112
10.68927	6	3	3	122102.7	474123.3	199878.4	331753	113523.8	352435.5	816443.5	456752.3	313947.1
9.960467	13	5	5	2464879	4847289	531161.8	5720071	1274268	4501334	4848438	4586435	5765501
9.888767	11	5	5	2588468	14624718	1485090	11070372	5301273	13466096	12953928	14448325	15863540
14.7953	6	3	3	54682.59	337039	97418.08	253652.4	97458.82	471108	215364.5	280665.7	381798.3
43.474	7	3	2	489712.9	10883746	2368046	8166295	3733739	10042783	9008253	15006460	10512518
9.8445	5	3	2	646107.6	1771108	373496	1241203	761207.3	2179205	1504404	2150078	1654656
8.94625	10	5	5	1817853	8209537	1176604	7028263	1544238	8864903	9770820	8212522	7421497
9.856867	10	5	5	1425375	7704282	1099735	5898260	2639159	7703982	6988197	6280194	8719546
11.45398	7	4	3	88408.94	281987.1	62150.09	209044	100939.2	325576.6	205655.5	257429.7	362978.6
39.74783	4	3	1	442534.2	7572463	3682558	5096501	1159633	6124246	5596554	5905215	6086858
10.02372	9	5	4	699798.1	825794.7	158587	1057690	334820.8	794926.6	1056803	850541.9	612399.8
17.366	6	4	2	525734.1	3400634	1538103	2312879	846331.7	3210207	5749469	2389894	1770963
10.008	8	5	3	2759974	1211751	365698.3	4289532	4654955	1402737	1674136	1301177	820407.5
11.27517	10	5	5	567926.6	2846795	1210218	1976660	729874.8	3246716	1445332	2147759	4645725
9.45945	4	0	4	1240037	8556082	1551902	5623340	4336821	8534603	6858029	7612275	8812505
9.8322	5	3	2	3047747	1932674	1214921	4651069	4053764	1285467	1129849	3896553	2328392
9.419733	12	5	4	690963	5278532	1074119	3990648	1794642	6645983	5878558	4728094	3835850
25.08867	3	3	0	216907.9	577695.7	819071.8	36638.16	46786.57	1961364	689739	144312.1	0
13.27422	9	5	4	45626.21	215169.7	21616.6	174635.4	59938.11	217121.9	246585.4	222435.6	194941.5
9.37735	9	3	5	1121972	8092944	3561235	5098485	3451213	4771363	12996868	4430894	8939140
11.48157	5	4	1	118498.1	258701.1	122612.3	173918.3	57774.32	445347.4	275681.8	130044.7	168078.5
9.95825	5	3	2	430889.2	973179	396968.1	613927.7	442594	1209367	421967.7	693640.9	1359406
9.94455	9	5	4	1937349	6702378	2051374	4663679	2660222	6483608	5751321	4686391	6459356

13.2733	10	5	5	296030.8	2264711	367026	1981861	287754.6	2544647	2769092	1997440	1984223
10.9645	5	4	1	440102.3	940353.5	190012.4	1255410	461952	1085915	1062930	830381.3	656815.8
9.445217	16	5	5	1383799	8946892	2878522	6351524	3190891	12041737	11255769	9260040	7035877
7.124633	4	3	1	3281278	7821897	6960633	3181494	1782743	5712787	3047616	90942.47	15094655
35.42783	4	3	1	291177	1374271	1451162	415308.8	191141.6	3926881	1002277	305119.6	753246.4
9.856867	7	4	3	728472	2370359	924337.5	3024536	517926.8	2380265	1207964	2465750	2033313
9.8322	9	5	4	999573.6	5247391	741658.1	3971242	1878722	4954417	4887755	4863853	4958883
9.964417	10	5	5	1238567	3462878	1216805	4295220	523056.3	5101087	3147719	4214257	1965661
20.97733	10	5	5	141586.1	942497.9	251182.2	745305.7	207965.9	774477.5	1277600	1147229	776692.9
10.00385	10	5	5	1013412	889991.8	306040.5	1715227	1240034	1198930	727747.4	1009386	1075712
43.70383	4	1	3	445782.6	8343560	354799.9	8051514	329694.7	7873813	8861665	8401017	8238035
9.824233	7	4	3	3177906	2899104	2602266	5640089	3678887	1812955	1411299	2232082	7519341
10.02372	8	5	3	198690.3	692663.6	221910.9	472710.4	287457.9	650152.4	803450.1	415545.8	591786.1
9.848417	9	5	4	3343855	13240235	809805.9	10449995	4214698	13368285	13234592	12354423	12747106
9.976317	10	5	5	694865.1	2389673	363047.1	1951952	612954.6	2505943	2563851	2338766	1794468
9.8322	5	3	2	664832.9	2416165	896738.3	1638255	929515.1	1379870	1586003	3298805	3216684
8.768417	4	3	1	288756.9	519270.1	359849	232560.1	310478.9	520144.8	726001.6	394907.5	955296.6
9.992233	10	5	5	867939.1	3529296	513949.9	3113363	460486.1	3195665	4009746	3228406	3053142
9.445217	6	2	4	2983714	22830778	12122278	13737236	8800377	18479506	4073573	27392598	28623247
9.5415	10	4	4	908898.1	3487639	2632004	6070568	3361593	996934.4	1930386	5154022	7273455
34.4075	7	3	2	304588.7	3477813	255348.5	3920286	653012.7	3026789	3642549	3608624	3532616
10.03947	5	4	1	4.7E+08	3.32E+08	7.3E+08	1.18E+09	1.17E+09	4742307	3208955	8157521	1.64E+09
9.972483	5	3	2	342836.8	886223.6	364458.4	519938.5	482529.2	1169228	616863.9	1296416	428747.4
10.008	6	3	3	381494.1	624190.3	400119.8	999165.8	475596	708479.6	1120470	858467.4	209288.7
9.853633	9	5	4	578435.6	2182284	669389.6	1707836	383117.1	2465174	1677620	1538435	2036985
9.928667	10	5	5	1701160	3564391	208861.6	2838930	1097272	3936953	3490105	3483003	3459693
9.566767	15	5	5	868549.3	7319775	1257341	5909260	1939115	7443295	8599541	8423621	5672991
9.379233	9	5	4	1790576	4772186	1288026	3693738	1247676	5841375	4948312	3490456	3408662
10.24195	9	5	4	567960.6	1352707	781694.8	835145.9	171889.6	2466607	1778464	1070879	448430.1
20.288	8	3	5	504144.6	1612502	1905275	359062.2	173990.1	4100870	233832.7	316110.2	168071.7
9.494433	4	3	1	271916.6	403883.9	162319.9	237984.2	220550.6	350029.2	677531.7	289322.8	418149.8
9.9677	10	5	5	701041.4	2429748	971757.2	1625223	919786	3156556	3665800	2173012	1260591
44.96767	9	3	4	420733.3	6380060	1409568	5329019	1008707	6085416	6247981	8030593	7246355
10.95835	4	1	3	1967596	7982509	4420162	4283107	4283473	10067258	12268173	7516038	683562.8
9.859983	9	3	5	3044551	9043354	5964564	5053992	1924691	19531767	7129919	4993422	7779850

28.77517	6	4	2	225851.7	1172419	719477.9	642997.2	491257.6	552402.8	1545837	394325	1228527
9.840617	5	3	2	2526954	6364762	4925509	11250073	6415245	13611849	9054497	3426636	4308360
39.50033	7	2	3	445441.2	5986423	1081908	4730374	1748725	5512257	6652226	6257677	7139402
9.976317	10	5	5	672156.1	2105854	225909.9	1717918	573899.7	2380119	2262821	2128641	1897509
9.014483	5	4	1	441300.8	636091.8	537744.7	1668011	1538413	511519.5	694058.9	1524915	294874.6
21.22417	9	5	4	1059516	4770347	1288262	3831376	850975.6	4116288	6832622	5198103	4063705
43.18617	7	2	3	270256	3139148	1232101	4252985	1385177	1079246	3561913	4386540	3430022
12.15013	5	3	2	77417.85	298157.8	128923	207073.4	73551.75	181540.9	435749.1	319724.7	149247.8
9.933967	13	5	5	2216429	2983143	283412.3	5690363	4126211	2905204	2941318	3412531	3029775
10.99775	7	4	3	289259.7	1338458	324230	1018652	419351.1	1530998	1165434	989817.6	1801165
42.69717	12	3	4	294691.3	5232850	1822899	3744692	1679777	5344433	5408367	5168224	2550653
9.616167	10	5	5	1298280	4720626	1073934	3682581	1347826	4955686	5221379	4126696	6054055
9.473717	8	3	5	1802537	5104791	4422693	2169394	1219734	11397926	2511841	8141124	1782592
9.859983	4	1	3	715635	2657618	555051.6	1827880	1212187	2978690	3453359	2430310	2056726
9.9014	9	5	4	933324.5	2897133	718890.9	4270743	2050018	3904364	2272464	3284360	2841073
12.31053	9	4	5	174631.8	1229348	193553	968452	375817.1	1191338	1028453	1090135	1325725
10.94208	9	5	4	195105	578479.7	192796.8	769198.6	250862	579817.6	811302.2	388381	387088.2
9.43325	5	2	3	858867.1	6610108	1948653	4833087	2228944	7828264	8213955	6344726	7305902
9.379233	5	4	1	435470.2	964556.5	371518.7	606177.2	465510.5	1406710	973428.9	824125.4	429410
9.103733	10	5	5	3298570	13496890	1803432	11765368	2243399	13452388	16121356	11842717	11818506
15.5695	10	5	5	1287525	12026176	2244971	10210531	2031395	10209268	14361543	9335692	12161680
9.8445	9	5	4	2124460	10194794	1278865	7996758	3259135	9117940	8947848	9856328	11235147
9.56645	13	4	5	4399675	40376438	9489480	26685951	19936372	53300579	27939835	38932593	36614514
11.08157	4	3	1	17802954	21180617	15462975	39760184	26174012	37732673	11279221	38323731	11213488
29.86267	4	3	1	253881.2	521801.5	532968.6	940661.7	450048.1	107785	64697.2	1208649	979404.1
41.84833	7	3	1	374825.2	3654849	1923396	2392811	271230.3	3044972	1811278	2689760	3905951
39.3595	5	1	3	287683.4	3379802	1464222	4530905	1238165	4019015	3887385	767155.5	4180812
9.624117	10	5	3	714361.9	1395204	389024.8	1091026	324400.1	1004843	1833786	1698071	988073.2
9.3735	6	3	3	706862.7	4393341	1208393	3364357	1222013	5478219	4995121	2991637	3179327
9.673333	10	5	5	1259661	3964877	1094897	3130271	851171.7	5060901	5259887	3240731	3171650
9.960467	8	5	3	2161821	1367436	370116.6	2911342	2352424	1851079	1576875	1223361	870775
9.848417	10	5	5	5047042	28203089	6144279	22161969	7939293	20700742	22963479	29491767	33828598
9.994767	17	5	5	1194903	3162162	2206975	1514684	1608120	4908397	1032111	831480.1	5698429
14.2529	7	5	2	57639.06	180223.8	83987.22	292656.9	162086	239056.9	127388.5	83132.27	161014.3
22.6985	5	2	3	51957.12	203693.5	49357.86	167811.4	32657.4	204278.2	278168.6	141799.7	185269.9

9.103733	10	5	5	1301555	4880562	589151.2	4180661	984613.5	5391349	5572292	4796933	4231529
19.8395	6	5	1	71741.89	266677.1	74965.64	340012.1	96179.01	319586.9	159128.2	223824.9	343032.5
9.992233	9	5	4	2399847	5441721	2976644	8080043	3249456	7510809	9299800	5188475	2844475
19.77183	12	5	5	346113.4	4961099	1429965	3082044	2702042	6612965	4572429	4947627	2833176
9.872883	9	5	4	2102067	3412903	503643.9	6304257	4417758	3047655	3072908	3142297	4229657
9.445217	8	3	4	1902604	5860496	3254112	3511247	2096041	3150572	6584820	6150478	10768293
9.67	10	5	5	1466612	8064008	2351673	6152537	2161622	11222909	9053594	7180419	4842060
9.842	6	3	3	3320290	10602713	1530182	7930349	3976080	12620238	9655881	10694268	8658663
33.75967	9	4	5	185371.2	917568.1	178365.7	722924.4	267429.1	1071430	653982.5	897386.1	870134.6
9.840617	4	1	3	551005.9	704719.2	557689.7	1319377	847286.4	1476414	253663.8	1092938	497180.4
9.986767	7	4	3	1709265	4298457	806998.3	3163610	1650616	4371321	5215121	4877420	3202668
25.54833	9	4	5	122683.4	669386.9	182976.1	486151	243494.8	611246.7	581658.4	592349.3	566287
10.008	6	2	4	460918.5	593718.7	419592.2	1017718	565923.4	686267.6	72760.9	1226595	453852.6
9.992233	8	5	3	3586086	969212.7	287820	4841415	5932845	869376.5	1439245	832654.1	687283.7
10.008	9	5	4	368224.8	1120966	234530.4	820721.4	430316	1104405	1229368	910969.5	899942.5
12.6321	10	5	5	8140619	75966859	7834142	66926483	12649860	79848694	84117637	67021356	68130288
10.51392	9	5	4	249245.5	854654.9	238472.2	641277.6	265668.1	467902.1	1102171	945878.1	938493.9
9.162767	3	0	3	196182.4	899688.9	464236.9	548298.1	356303.3	1313820	1342741	1019037	371343.5
9.445217	11	4	5	1222315	8932606	2696793	6420456	3215668	12979311	9479505	9291241	6568059
9.920517	10	5	5	6253410	14966189	2199696	12059734	4193163	18403104	14929124	12682842	13484917
9.8445	10	5	5	3027543	9915168	565940.2	11895231	3021629	10879705	9660184	9900124	9418907
9.859983	9	4	5	4157175	6564371	5054688	3227681	1384261	4656876	15527823	4541035	4902441
41.56067	6	2	4	2915194	28963051	22797491	11800836	17241029	4038564	45403380	3943518	45999780
8.981583	10	5	5	515858.4	1503161	505966.1	1084458	486297.8	1304083	2045387	1363986	831001.4
10.96278	6	1	4	220068.8	836309.6	246881.9	613632.1	279394.1	868777.1	614769.6	700106.1	751748.7
10.13345	8	5	3	294632.1	1732607	757851.6	1142991	630546.5	2328961	2069977	951770.9	879469.1
42.208	8	4	3	312127	3429815	1270358	4414408	1046768	1723069	3330642	5305355	3316419
9.445217	6	3	3	574811.6	1932569	517079.7	1297852	903877.9	2063305	2163256	2507294	1124877
9.21385	5	1	4	1716780	11926334	1966663	5909562	9175286	13436632	10207309	13483204	13110007
9.848417	7	3	4	1024298	1888256	1107312	1105266	657913.3	1125851	3798201	1273402	1343090
9.946467	9	5	4	1497512	5011564	990682.6	3906177	1537595	6216315	5637674	4139589	3875502
9.4775	9	5	4	684170.4	5147475	2175246	3172058	2497190	6142243	1607871	5644712	4933361
9.064833	6	4	2	383753.7	739047	387969	479370.6	149757	691804	611678.1	272302.3	776789.6
9.93625	11	5	5	7281556	39159086	1367681	34010247	7883467	39656359	38597883	37079712	40617585
9.856867	3	0	3	1199201	2280630	686417.9	1521153	1053930	2485730	1610121	3369168	1885489

10.16938	10	5	5	2441597	9806938	1684386	8183595	2128397	11975614	10606850	8375785	7860179
9.392767	9	5	4	962947	2334447	601733.4	1605251	1037392	2525111	2795913	1496422	1937770
10.9645	5	2	3	517585.1	1327919	360156.7	970207.6	476338.7	1669386	1734426	899384.8	1202411
11.42608	10	5	5	2197470	4098359	871751.1	7290177	4889492	5078723	4917065	3128918	3434096
24.95633	4	4	0	300567.8	724084.7	1036055	50722.87	67923.36	2514018	733225.3	119663.8	53354.09
9.960467	7	3	4	941872.3	1742564	951923.8	1031597	708519	1287556	1026437	1273352	3381039
23.716	8	5	3	122733	963285.9	123206.3	846259.3	152463.6	910566.7	1142102	827762.3	1029455
9.2612	6	4	2	444228.5	1851002	870411.2	1204398	637278.6	2403654	760894.5	2324442	2692488
9.856867	10	5	5	1804021	8714734	3083454	6611136	1480872	7573945	7256893	6038177	13952934
31.42167	10	5	5	1604062	11240628	2860989	9301756	1297009	15955738	10043932	8449490	10162227
9.903567	8	5	3	2022149	2321836	1275152	3632479	1774675	2982456	1842383	1053098	1517166
9.840617	10	5	5	4458198	22240093	2789690	16958445	7952746	20629692	19531864	20844958	23886264
9.204617	6	2	4	15295273	78070407	65837159	32938691	33012565	2126348	12835421	1.44E+08	1.23E+08
9.970617	7	5	1	620342.7	912853.1	387960.9	1244841	402039.2	1144991	570702.7	482238.8	1406250
24.4635	5	3	2	394158.7	1152501	1625737	97607.17	124028.2	3926031	1289842	272962	27256.19
18.585	3	0	3	480443.6	24962.29	16970.76	1125496	1697870	16956.5	28013.32	37921.6	0
9.416767	8	3	5	2510136	12893758	12655416	4683770	1113240	27193854	3212832	26291257	3323263
22.45267	10	5	5	608064.1	2750984	699496.2	2179771	660398.6	2001238	3849944	2837345	2327010
9.842	9	5	4	1160472	4147599	524991.1	3717519	499102.3	4947461	4052657	4317831	3565551
9.976317	6	4	2	341187.6	724368.7	108800.8	952721.9	346315.2	700300.8	757560.7	687667	886384
19.562	10	5	5	290442.2	882464.1	283166.5	678648.3	186109.3	931564.2	1145861	655326	528569.8
39.73367	11	5	3	2757134	5215635	1145370	21485598	25112791	6450686	5463200	3396977	5768932
24.58017	4	3	1	395355.5	1169980	1591081	138411.9	137111.4	3901669	1234799	279352.2	58266.42
9.82645	4	3	1	491944.2	1395262	574124.6	931596.9	529416.7	1235703	604104.6	1895690	2017445
10.94443	3	0	3	226881.5	539347.3	162926.6	671748.2	152354.3	702414.4	701448.6	344642.3	415412
9.379233	10	5	4	1049878	3056556	1546538	1919143	1103931	2597892	615477.4	3617109	3809163
9.94455	12	5	5	1709100	2947184	948250.5	6192559	4984912	2327165	3044115	4548009	2580801
9.912633	10	5	5	71339656	8.2E+08	69980932	7.25E+08	1.39E+08	8.63E+08	7.9E+08	7.43E+08	7.86E+08
9.4925	10	5	5	2212439	6366659	934212.6	4899378	2183505	7228242	7474385	5599426	5441205
9.942317	4	3	1	678320.4	1299940	524211	816966.9	621223.1	1188430	1301701	795652.8	2174376
24.84117	3	3	0	447751.5	1093621	1513885	113372.1	132897.1	3704303	1084806	177994.5	36519.87
9.245983	12	5	4	1652852	24701135	8872002	18384348	5603392	30573658	36933256	15031194	21394406
9.8322	9	5	4	856243.2	3688783	389641.4	2945568	1123745	4038035	3756566	3949129	3653004
8.981583	8	5	3	983665.8	2263023	1574950	3886583	2212208	4156775	286788.5	2193900	3437417
9.994767	8	5	3	1310593	696836.8	384858.7	1954989	1934404	892018.9	1204214	749736	252850.4

21.68383	5	1	4	10637388	6577234	7575415	29336157	34953294	3411665	20116683	2936231	2831717
9.830833	4	1	3	1558751	7216256	1847178	5351751	2519667	8565634	5733862	9671071	6729320
9.93625	10	5	5	4161069	15604804	3417686	11983232	4990119	14751683	21279986	13695691	12430854
42.97017	4	1	3	376464.3	10981296	9120020	4987297	2820080	6674569	27293354	6863375	6987304
9.379233	6	3	3	492458.6	2164943	1284810	1171080	1073265	1109625	692775.3	2577371	2546032
10.95602	7	4	3	264937.3	620493.7	217815.5	394064.6	309858.6	914403.1	703799.7	503627.9	333948.9
9.4468	9	5	3	1322633	1573797	927732.5	4944024	5191792	2415139	2502215	1328344	241146.8
11.32867	9	4	5	213556.6	472911.1	368937.6	820021.2	453072.7	353425.5	429582.1	317908.3	1108147
41.79067	14	5	3	317829.9	4293652	901238.5	3058703	1810533	3075141	3642487	4827977	5246858
2.353733	5	2	3	65318.86	1105180	303203.8	1791329	1046913	1525804	1084029	1252729	734275.8
9.88815	5	2	3	1676674	2446248	1084932	4206976	2634592	4031264	1117747	1844975	2547328
12.58817	5	3	2	113478.8	464418	74074.68	654474.5	291129.2	435505.3	585965.5	461363.4	385592.3
9.93625	6	3	2	1965658	3553910	2566982	5407813	1729546	2262514	4450447	7623399	2252283
9.208217	9	5	4	3044129	8890397	3476632	6309543	2584231	13647359	10418573	8333387	4200423
27.26983	10	5	5	1418751	7260419	4462321	4307039	1616624	4318935	5353797	4946676	6577411
9.3919	5	2	3	659504.6	5372447	4185509	2543973	1944197	8370741	541636.1	9379625	1176628
9.975217	11	5	5	16355930	1.04E+08	5818973	91527093	19430128	1.09E+08	1.07E+08	97674446	98266620
9.328967	6	4	2	588133.2	3137197	1436035	2103656	957109.1	4237001	2426069	4921076	2754937
9.972483	8	3	3	1145054	2114384	1068318	1304970	845808.8	2782924	470135	2274815	1795171
9.419733	4	3	1	549203.6	1197392	490080.9	1714850	713691.2	1191006	858817	2030406	824848.7
24.78283	5	2	3	223934.3	973569.2	613515.8	541337.2	373467.4	589836.5	1223774	234754	979965
8.88765	6	3	3	103996.8	224871.5	124548.4	133783.8	88301.79	225809.7	316228.5	372746.5	143479.6
10.14725	10	5	5	1626040	727731.3	82256.27	5475763	7364204	709828	829807.3	786103.8	619327.7
38.69767	5	1	3	341923.8	3646770	1915187	2371417	768783.7	2526611	2794416	2980092	7059614
10.008	11	5	5	1580952	3363937	945021.5	2399174	1314145	3452113	4892405	3091242	2337835
6.516267	7	3	3	1631487	18014242	6541148	52798172	53854065	12829290	15871687	22742407	26861706
25.33483	7	4	3	713420.4	4371619	1182888	3458595	988195.8	3115466	6204406	4783964	3857194
9.8374	9	5	4	723034.5	2880748	544780.2	2132429	1100269	3210205	3161444	1947338	2847044
8.860183	4	3	1	176908.6	417103.8	147802.6	531407.1	124118.5	502055.1	419145.7	595812.6	364645.8
13.71207	10	5	5	1153825	10903940	2224555	9171149	1903525	12571731	12728080	8921224	8073815
9.8445	9	5	4	2174869	10539996	1360534	8349627	3282929	9724289	9222453	9745072	11799267
9.94455	9	5	4	673067.7	1744305	236765.4	1382544	539388.3	2015807	1864260	1467846	1523884
9.04395	6	3	3	140330.7	401185.9	146168.8	276965.8	151218.9	487438.1	490452.2	421030	462527
11.74925	10	5	5	171445.1	383441.8	213630.9	716231.6	497229.4	492525.1	250762	167568.4	305977.3
9.928667	10	5	5	3539846	10098259	2025017	8104837	2674923	13246836	9281952	7909468	9311749

9.830733	7	2	4	2258023	6459939	2493825	4504000	2172259	7493450	4054589	8742473	3514797
10.94443	6	3	3	256659.8	434190.4	160075.3	952762.7	800120.6	428274.5	568538.2	391688.9	589862.7
3.57485	6	2	3	98743.72	1595256	940515.4	930409.3	586034.6	0	1883943	1862860	1728243
10.61757	8	4	4	264051.4	817153	178389.5	659042.3	199486.5	581387.1	1077723	835757.1	759946.4
10.36388	7	3	4	201806.2	558902.1	93839.7	414579	215509.4	443384.9	490358.3	599627.1	579335.9
9.5812	8	4	3	318602.6	590337.7	261060.7	401127.6	180341.9	351304.6	1010143	409074.5	534097.4
9.864767	10	5	5	2970305	14606075	3401175	11346783	4320030	12379277	13749773	12131279	20468072
9.928667	10	5	5	4077937	8865467	1026869	7123579	2625459	10528304	8200222	8119039	8280774
9.8374	3	3	0	2037901	2960845	1692116	4082305	653039.3	5723237	3207097	1870545	2606985
10.9645	10	5	5	684989.8	3399981	260121.1	3017022	569295	3524189	3627536	3054248	3192156
9.311883	6	4	2	1034034	2628279	1788528	3873915	1038272	1960606	3121502	1237434	1295889
9.392767	8	5	3	1947066	2226554	759976.4	5466390	5018212	3098780	1382853	1565200	2226728
9.960467	7	4	3	3027992	1089175	234482.1	3681162	4027314	1467307	1052529	847580.2	960987.2
17.307	9	4	5	238085.8	1308758	304121.1	921802.4	562854	1437539	1696946	1308604	1236273
9.43325	11	5	3	783365.1	5621863	1064868	4493584	1563933	6697231	6379343	5463572	3954386
9.445217	11	5	5	1505560	5308687	1801757	3636717	2178886	6370905	7740839	3279168	5188553
9.464933	6	2	4	4040007	21366785	16050423	9344067	12400092	39095809	8988160	31152115	520784
10.008	10	5	5	1794880	2411524	1070784	3558417	1595887	2999045	3919638	1364183	1487163
11.27298	10	5	5	12428851	49030089	8032043	33068400	24331424	55725371	35682262	51848804	54090989
9.880683	8	3	5	5023837	13485692	16285270	2981079	2537742	1784548	19511573	3361069	3215801
35.191	5	1	3	246230.9	729578.4	281243.6	1903653	1820564	232451.5	782122.5	897233.2	863399.2
39.374	5	2	3	539039.8	8435850	1576771	6282709	3173025	9697538	6083828	9246426	7545001
24.68133	3	3	0	426999.2	1061972	1390384	168604.2	69138.84	3399322	1287295	308937.4	72779.55
15.65857	10	5	5	497507.3	2903280	992947.4	1987756	1190477	4357970	3284213	2663828	1686072
10.95055	10	5	5	263599.7	1553679	276847.4	1263695	400958.5	1642037	1972298	1302248	1308305
9.848417	10	5	5	15051247	71179322	1776445	59305040	18466038	71865818	68125151	71321154	71888215
9.392767	10	5	5	3265206	10375791	1839577	8328909	2887868	11958092	11464058	8452885	8288616
9.864767	10	5	5	2770318	11565890	1005131	9901014	2510332	10758360	12010277	11476222	10551123
9.362817	5	2	3	1779147	8400088	6356110	3979334	3700866	1963610	12103008	14085120	12831358
12.18938	3	3	0	116686.6	174155.8	142603.1	80628.01	48142.24	279715.2	117834.3	0	356813
43.07117	6	3	3	389753.1	2607742	1621747	3915480	1517081	3449459	4371893	897917.5	3458681
9.960467	4	4	0	644864.8	1190840	465511.5	772449.1	535613.2	1138233	998890.7	910137.7	2005941
9.920517	10	5	5	821600.8	3051428	531809.5	2595865	562014.9	2988981	2641803	3033714	3944138
9.914217	6	4	2	2711228	6378689	1917506	4736771	2026348	6185019	5832256	4879724	5305325
13.96913	10	5	5	297620.4	2429189	366532.2	2039048	543228.3	2355577	2999513	2043952	2212092



42.1215	5	3	1	310540.3	7954314	1707938	6454340	1889730	10677957	8383934	7090154	6218730
9.928667	9	4	5	1602889	3201373	582488.5	2734735	537629.9	3801370	2963096	3722341	3133809
10.95602	4	4	0	1923233	3897521	5197910	562760.1	193675.9	970347.6	447529.1	4739895	682620.9
10.93618	9	5	4	212741.4	987431.6	414119.9	688763.5	284218.2	1138853	1359355	571132.1	518162
9.473733	10	5	5	763927.3	1570039	418238.4	1244141	361941.9	1618225	1669667	928466.8	1539489
9.419733	7	5	2	597658.8	779715.6	221284.2	453155.1	487286.9	912571.5	1080390	608625.1	538719.3
10.16043	8	4	4	196976	939441.1	379548.6	681170.2	194956.7	1557830	1036810	667405	794697.5
18.36583	6	3	3	74063.93	287090.2	77903.89	216133.9	91766.73	343017.9	324653.3	181620.3	227728.6
9.929783	10	5	5	6133547	27091699	1452169	23078890	6200767	25894039	25502713	27960952	27080312
9.94455	10	5	5	6606684	24128810	3404472	21490126	2909663	29553714	24227621	21040910	21424186
10.97242	10	5	5	2662532	13075954	1763042	10916958	3127481	14608344	14842849	11368327	11101046
9.859667	7	3	4	499877.1	1830291	347130.2	1250114	877237.4	1970810	1504652	2332058	1507182
9.887133	7	3	4	706720.3	1304445	319106.1	2418234	1729090	1718039	968597	996568.4	1386396
10.03947	8	3	4	524132.5	655070.4	356559.2	411593.7	188837.8	532560.6	194410	658510.9	1182912
14.40023	7	5	2	224969.2	2125899	414360.1	1790823	391694.5	2399856	2449632	1595803	1757710
28.33167	10	5	5	150165	1099204	167209.1	970971	139463.1	1067446	1254749	1078864	846398.5
10.23043	5	3	2	264538.2	601143.3	440136.5	316824.1	101279.6	1263934	813712.8	408211	159116
9.8322	8	4	4	591819.3	2171301	639877.9	1522008	890239.1	2839115	1767517	1668572	1679286
9.992233	10	5	5	3383356	11460723	2212360	9359761	2792095	12167082	14874405	10268209	9069953
9.431017	11	4	5	483721.9	3646739	920407.3	2895278	889167.2	3510940	4506407	4685127	2772781
9.920517	10	5	5	2237981	5299985	733703.7	4267630	1534349	6367423	5131346	4435461	4938296
9.928667	9	5	4	1834525	3698862	124648.4	3091284	947078.7	3862161	3686056	3762382	3527114
10.18477	7	5	2	617790	1300463	550594.9	936754.9	219353.6	1687083	1990752	1146026	577201.4
9.392767	9	5	4	2216974	8754290	3308053	6336426	2402238	9694445	6097162	5652693	8461777
9.840617	10	5	5	3874787	21845561	549897.9	17323752	7064458	22503905	21165724	21925118	22207644
9.9677	10	5	5	887625.1	3490602	659747.6	2643141	1242660	3580853	3891999	2835838	2820566
24.78267	5	4	1	487367.5	1171250	1715817	74077.82	72940.85	4141354	1164458	250257.2	48112.91
13.28915	9	3	4	71381.09	285521.2	127529.3	203019.1	33757.21	305249	72949.5	411614.4	344893.3
9.445217	11	5	5	733068.9	6120081	2301441	4209228	2307985	8856732	7817080	6235163	3366796
9.920517	10	5	5	6219296	14833149	2185071	11733157	4620778	18083542	14888600	12420349	13312003
9.928667	4	3	1	1118939	2482962	462874.1	1588291	1370389	1903382	2327513	2279687	2864344
9.388367	6	3	3	552209.3	1635731	562574.8	1098693	717822.2	1629394	1357509	1019925	1636486
9.994767	5	4	1	280435.2	512688.7	142714.2	329295.3	269289.3	485036.5	703157.9	544521.5	304755.1
9.874317	6	2	4	2061786	7549015	2521383	4756910	3959261	8254536	3855064	8244821	6673662
9.6315	13	5	5	35363628	1.04E+08	21989190	81454038	30740301	1.19E+08	1.13E+08	80337492	80111898

9.976317	9	5	4	1164317	4309106	1076481	3359221	1209797	4696270	4411050	3146400	3442535
12.48578	4	1	3	82753.2	446098.4	110564.5	367053.7	74570.91	570481.3	520569.4	397527.6	286608.3
9.999217	6	3	3	1080800	2897228	903592	1999552	1223984	3858038	1875075	1988368	3356989
9.912633	7	4	3	1676025	4803843	1303640	3073642	2556588	5810776	3504822	3820058	4365957
9.880683	10	5	5	1809254	6389271	908996.4	5614284	961459.9	6161278	5690433	7922950	5747883
9.568567	8	4	4	532153.2	825760.6	344327.4	1124149	375268.4	969739.3	218951.9	939931.9	924319.9
44.78217	7	2	4	88156.83	372421.3	72408.21	300306.6	98565.53	331670	286272.8	456993.9	437409.8
9.333267	7	2	4	3414515	19610213	18223603	7843192	4853406	21992765	5717815	4949868	49612140
24.95533	7	4	3	2458093	7038315	10222380	518721.8	353264.3	24687654	7206086	1287304	461490.1
9.445217	11	5	5	2263498	22038172	4739619	15978871	8906221	27529774	25740906	22142907	16218015
8.961583	7	4	3	250870.4	664017.8	149993.2	536833.5	157312.7	688654	868879.4	709576.3	587780.4
9.976317	10	5	5	1539269	4691703	378487.4	3818109	1351749	5183774	4278774	4837878	4340700
9.3494	6	3	2	586952.9	6010180	1384301	4512157	2115129	7416168	6629421	6645301	3854539
24.537	7	5	2	146527.7	740103.4	199595	597318.5	135952.2	510586.9	892120.5	753548.6	570470.6
9.856867	10	5	5	4140248	19030560	1846650	15873367	4813100	18909587	18281147	17163367	18691921
9.3919	3	0	3	324713.1	1632264	277893.5	1246085	576222.4	1776390	1409200	2053552	1494882
10.37908	7	4	3	261674.6	464297.6	382837	218907.4	77715.17	915722.2	831660.5	71649.49	215539
9.983433	6	3	3	2657663	5643253	3069460	3108065	3068055	10425957	5298605	6482030	2821468
38.2805	4	3	1	235091.2	1549726	1087276	2564443	1346618	2134430	1996017	2803091	346123.8
24.63617	4	3	1	722257.6	1810643	2659003	117666	150722.2	6398804	1859518	407312.6	71694.15
9.979667	10	4	5	463057.9	641741.7	338542.4	905988.3	299361.8	767531.1	61695.84	950965.5	718192.6
9.840617	10	5	5	1791893	8431909	1009251	7537429	1149651	7978022	7473410	9426553	9608520
22.0015	7	5	2	297878.4	1735353	651087.9	1271826	437840.4	1488540	2894607	1498282	1340175
10.60298	6	4	2	220928.2	581196.9	205592.4	434416.4	139764.2	310232.9	483997.8	541318.5	811338.2
10.58733	4	3	1	110029	237226	159631.4	133835.5	49842.57	125075.5	503172.5	204326.9	105247.5
22.55467	7	3	4	86019.59	252910.9	93846.03	186349.8	62228.71	323327	294666	135557.6	169649.8
9.392767	10	5	5	3877269	15321092	5689240	10614512	5714424	16568369	10777894	10289530	14622565
25.03083	5	4	1	2106258	5908386	8426709	549037.9	314386	20389809	6304555	1051669	466409
9.544833	5	3	2	265015.6	541816.7	162731.9	367342.9	246269.5	615624.4	794607.7	413461.6	427685.1
9.655967	6	4	2	284697.3	647766.2	172953.5	813571.2	223552.9	571140.1	697366.7	560693.9	484328.1
9.999217	10	5	5	942057.6	2596336	651462.9	1971306	843132.9	2971804	1919687	2573297	2035365
9.47865	4	3	1	1951257	6567191	6665363	12148393	6858809	13395685	1082774	14300394	2019414
9.896717	5	3	2	2062382	3370704	1307716	5689293	3551432	3130415	2154869	4959484	4481547
16.54873	5	4	1	633541.8	2885049	2166793	1416115	1149459	2838532	6202360	3199643	1881907
37.66167	5	2	3	400781.3	4708597	847893.3	6068334	2066980	3200078	5066378	4962722	5104362

10.97857	7	4	3	1237394	2884602	1269158	4327839	2074909	2373037	1574236	4693500	3663160
27.27117	10	5	5	9932109	60067828	31138966	39956671	9337729	37980938	46220338	44546783	57210369
9.840617	10	5	5	2415805	14882116	1342253	13952810	804256.7	15029918	14004737	13535869	14813677
18.224	4	0	3	10218004	173184.5	116768.6	33284226	52138543	127430.3	345790.1	91107.23	64442.19
9.445217	9	5	4	1285842	10844210	3092365	7663263	4430105	14123684	13399782	11184671	8700017
9.933967	9	3	5	1010723	3154760	422998.3	2548526	910771.6	2788774	2678337	3446658	3672967
9.514733	5	4	1	301117.9	441174.4	329443.4	198234.5	251233.3	675508.8	842289.9	393124	294949
19.92633	10	5	5	117842.3	417621.1	164761.8	301378.3	107832.1	428884.9	601004.3	155055.5	409257.6
9.018167	8	4	4	269425.3	573243.9	131653.9	698818.2	169357.9	367764	576493.3	710670	660930.3
9.859983	10	5	5	5685218	29663105	2467298	24902612	7346759	28130235	26098705	30711703	31678290
9.840617	3	0	3	3081318	14953811	3192835	10752757	6244090	15562958	9513257	17693337	16745777
10.20467	7	4	3	382152.6	1012669	350501.7	711789.7	379668.4	566280.6	1508235	1125446	1033488
24.88533	7	5	2	126755.4	613134.9	222222.6	352014.9	379584.8	866733.8	696799.7	285682	705558.5
9.445217	8	5	3	462273.5	3377770	1038380	2580027	890968.1	4170787	4270649	3048389	3663428
11.12262	4	1	3	1141682	3670908	2264777	2145518	1172710	6281249	3543729	144373.4	4786753
9.928667	6	3	3	740854.2	1577177	550456.2	1149985	484733.1	1795788	806193	2319661	1497069
9.903567	6	2	3	1544440	1896310	597803.8	4266293	3726337	2760500	1568137	1818496	1185583
10.008	10	5	5	346818.2	723887	95179.43	973485.7	390055.7	825121.1	673016.9	783582.4	585850.4
28.30267	5	2	3	306775.8	1946245	376923.6	1544787	568094.5	1803041	1428289	2404435	2204196
9.445217	13	5	5	4247660	33210594	6170108	28079537	6306837	28745770	37645576	39965422	25134463
10.9645	10	5	5	322161.8	1564023	239841.6	1307054	364370.9	1714156	1743897	1320346	1284113
9.8322	9	5	4	749504	3153702	497806.3	2445987	1065916	2746834	2615733	3077024	3730294
9.129317	8	5	3	320694.7	1146434	691390.2	681504	356643.9	878896.2	920071.5	656265.7	2368127
10.99775	7	4	2	67568536	58580298	1.29E+08	1.97E+08	1.97E+08	2.89E+08	1620896	572987.4	1389463
9.505267	11	5	5	2751835	6584746	2019805	15141248	13479653	9513185	6903033	5790511	3943718
10.008	5	3	2	329393.8	904990.7	63868.35	665064.5	377580.4	856789.9	878549.4	992709	845944.5
27.26983	10	5	5	3662892	26004917	11247099	18774684	3345077	17685129	21695113	20444918	24567585
42.91283	7	1	4	311037.8	3799440	340955.3	4381179	893263.4	4045131	3644872	3267201	4029411
18.7895	4	3	1	111380.8	254750.3	236387.2	102335.1	75927.28	273789.6	174762.3	19283.05	645217.5
9.848417	10	5	5	5310334	24053649	751371.5	20264019	5979748	25008795	23047079	23849895	24540874
9.830833	8	5	3	545592.9	2068713	591543.7	1671203	306055.2	1799926	1673056	1744894	3100299
9.960467	5	3	2	1059383	1963572	662613.9	1433669	627703.6	2580647	2380660	2368488	1276075
9.992233	9	4	5	836115.3	2633905	504607.3	2011016	918345.3	3094868	2992576	2861180	1913325
9.994767	9	5	4	815094.1	924469.6	433366.1	1924952	1561349	1093775	1564041	879667.9	641414.3
11.27298	10	5	5	26379936	1.09E+08	18015451	74635974	52910701	1.24E+08	78506161	1.16E+08	1.19E+08

26.382	9	5	3	379074.3	314303.9	186597.5	1474220	1832725	164977.2	230643.7	345593	204609.5
10.00998	9	5	4	760713.7	792614.1	282421.2	1387895	925876.8	1058361	1121000	684912	476321.4
9.522017	8	5	3	588183.4	1811186	328058.6	1308592	764950.1	1513972	2296336	1875608	1873144
26.33217	6	3	3	114461.8	462229	239721.3	260258.3	252206.4	396888.7	415823.2	221356.6	411323.6
22.0365	9	5	4	850712.2	3315671	2138846	1809103	1413275	3827084	4266899	6133733	1055786
9.268917	4	3	1	921550.8	989875.9	364309.5	658207.8	438434.8	560545.8	1337097	700523.1	984188.9
24.05483	10	5	5	802654.3	1512090	648048.6	2721022	1869294	1069273	1174703	1826202	982684.4
9.21385	5	2	3	23378860	66366303	75572027	17601593	25132610	79038587	1119457	58969295	1.87E+08
9.904767	5	2	3	711873.9	2039171	715959.8	1566296	325814.7	2091315	3160047	1960684	1186822
25.08867	5	4	1	793436.7	2208646	3268321	144481.2	166894.9	7896935	2069299	282474.7	198168.6
9.920517	6	3	3	1120530	2464329	896092.2	1882693	334562.5	3631981	1331860	2022007	3047043
21.09467	6	4	2	1020048	5582948	1549164	4503764	981729.6	5353238	8026394	5878040	4742204
10.008	7	4	3	668493.5	658816.8	355722.3	1154392	746869.6	891633.6	1064941	750500.6	369992.4
9.887133	8	4	4	2404167	4991108	1315200	7246803	3473453	5637532	4363725	6253434	5709304
17.73233	10	5	5	354327.4	3327021	1499197	2155453	1354103	5885410	3466098	2416826	2428669
9.559117	9	5	4	720500.2	4075189	1591997	2843664	1404139	5662246	4340948	3508821	1643083
24.59467	4	3	1	390721.9	1172170	1685364	108786	83205.53	4059282	1279438	244879.1	42200.05
9.356517	5	3	1	1062928	5410052	3994040	2728345	2084986	5207445	1168491	3121539	11766021
19.40867	4	3	1	118643.4	243592.3	160018.5	428538.8	269343	130384.9	190814.3	497322.6	296139.6
9.856867	5	2	3	2443499	3325818	2096976	1999392	303435.4	3057331	6962312	1956381	1867967
10.68888	3	0	3	361681.1	5111491	720927	4244196	1275283	5080646	6330112	4910053	4436737
13.46348	6	2	4	77374.49	232328	65870.03	365556.3	207350.8	242328.5	314821.3	247896.8	225035.9
9.55155	9	5	4	954247.8	2716663	614675.3	2080813	896104.8	2551212	3315251	1931541	2419763
30.09367	4	3	1	418912.8	1462625	1753582	2807670	1518331	88624.38	3179728	184293.8	3572255
10.9645	10	5	5	1255601	6569986	677659.9	5824016	1073417	6996539	6879058	5882110	5809531
7.1613	8	5	3	1165553	15276522	3018719	10801669	6812134	16761506	19198851	11477627	13220174
41.34483	3	0	3	1489838	17349910	320493.4	12588606	7561789	17088828	17286971	17722283	17010370
10.42575	10	5	5	1899146	9613233	1104995	11687865	3221437	11325952	10055043	9232650	8862596
10.01477	3	0	3	637322.5	1904084	969642.8	1258543	483181.7	2412376	366322.7	2958593	1778748
9.8322	8	4	4	2546081	8324650	1734404	5969703	3546363	8428848	8746620	5916143	7804450
10.01837	9	3	3	1732186	5477315	3368851	2944530	2782079	9173198	658974.5	4687601	4691444
25.04533	7	4	2	1261113	2957658	4465328	148342.2	176330.4	10707370	2854304	400552.8	97686.43
9.00395	10	5	5	641974.4	2198439	664897.5	1707179	523489.1	1943698	2887456	1578557	1648110
9.40255	5	1	3	1876708	11699296	6739754	6950374	4532669	1962353	19270550	16061023	12617371
11.52603	7	4	3	218605.7	372883.2	161182.9	785533.6	649055.4	394819.3	291779.5	140750.3	535070.4

9.8322	6	3	3	470761.7	1185283	539039.5	1562161	351834.1	1610833	279917.3	1349118	1137467
43.08533	10	1	5	315639.7	2588338	1185867	4686223	3249988	474092.3	3253630	3117597	3116868
10.94208	4	3	1	213180.3	563895.7	226229.6	716691.9	125066.1	376469.8	470462.1	413529.8	629053.4
9.999217	6	3	3	587111.1	560240.2	431009.7	954556	526847.3	1174307	0	705655.9	385999.7
9.888767	10	5	5	6063823	36563594	5448007	29144698	11198384	36001388	28903663	34678921	40019078
22.50917	10	5	5	776555.5	8192759	4173046	5496304	1565531	4387494	5825405	7029833	15125139
9.952017	10	5	5	1298335	4546355	645316.3	3945631	811469	5482066	4876859	4372003	4165442
11.45655	5	3	2	106981.2	305301.3	174940.7	189424.1	85317.45	548310.9	433630.1	171265.4	206311.9
44.394	12	4	3	247610.4	2706002	466284.6	2312620	497141.4	2466045	3519321	2661748	2507330
24.94183	4	3	1	502390.3	935938.5	1344899	90910.12	102471.5	3246919	989620.2	212822.6	12042.49
9.848417	3	3	0	649829.7	994632	361994.8	599211.3	570151.9	1120460	1319729	1196259	941372.4
10.16453	9	5	4	347102.8	1178190	182220.6	1014464	216716	1279087	1125625	1296313	880408.4
38.28033	8	4	1	288146.7	3894068	806332.9	3378849	247741.3	3016952	3553394	5158636	4110547
9.445217	13	5	5	18463906	1.83E+08	61596098	1.42E+08	27519728	1.39E+08	1.89E+08	1.88E+08	1.18E+08
7.8452	4	1	3	2614986	65843085	8067484	75357398	14001634	52709365	69397110	67107890	65582212
42.35183	9	2	5	329373	3667970	491454.3	4913545	1963094	2885537	3640742	3662260	3973879
21.22733	6	2	4	107485.1	540086.7	66816.16	462613.8	113570.6	585597.4	448585.1	545280.1	503237.6
40.12217	6	3	2	324995.9	5001965	1025695	4282695	683001.8	4442500	4738167	3945070	6628005
9.874067	5	4	1	3979685	9224305	7444544	15345151	7568456	8771885	4707233	22175739	4372811
9.903567	6	4	2	1332455	2871818	1087715	1808026	1474293	3835602	2347830	1514794	2534541
10.008	10	5	5	804967.5	2075541	324005.9	2479950	602540.6	2445711	2134884	2312620	1764548
21.51017	5	4	1	646710.5	775305.6	747860.4	1976798	1851183	2054131	569877.3	206057.9	290357.6
24.69517	6	4	2	907759.2	2516708	3738479	170634.4	219466.5	8965144	2580027	295078.2	71362.65
24.7825	7	4	3	2479707	6967089	9454179	1033459	644639.2	23232330	7370883	1067775	1651168
22.32067	7	4	3	3611130	29877757	4229376	24815921	7481912	30060121	34924460	32801553	24341046
9.089733	10	5	5	3375921	18335674	3271304	14412012	5803063	19685563	23509702	16030237	16218455
9.845483	4	1	3	2682425	7800458	1439415	5955551	2764245	8480849	6711339	6959697	6820357
9.392767	8	5	3	776755.5	2140660	558652.1	1303279	1282735	2337991	2844529	1658813	1487197
41.86267	14	4	5	337011.3	5468036	4135438	2836555	1193125	5880346	4077064	1929757	12394579
9.989483	10	5	5	1222960	3034428	1075492	2130500	1142544	4326302	3934534	2797591	1756671
9.888767	7	3	4	870351.4	4237517	127940.2	4047312	291150.8	4313037	4379724	4194138	4256335
9.845483	5	2	3	1345362	4995627	1299203	3891055	1410113	5757882	4566444	6773189	3392876
10.97857	5	4	1	682171.8	999944.4	483896.4	1450267	610350.2	611941.8	1681214	524134.7	892604.8
9.530583	14	5	5	6784890	66643989	59772014	28927762	12845714	35963127	26807647	45048127	1.72E+08
9.445217	14	5	5	577629.1	5293779	1148982	4432621	952400.5	6696463	5414223	6081785	4197288

42.9705	7	2	4	372139.9	5796961	386245.9	5080672	1117571	5674988	5702049	5519315	5612085
8.99545	8	5	3	317089.1	799893.1	138017.1	547171.3	394041.6	937931.5	855553.1	602517.2	714903.7
9.848417	9	5	4	1113381	3546543	650541.3	2953903	794397.7	4025220	2502607	3445722	3613230
9.317	5	2	3	93689736	2.33E+08	1.98E+08	83406741	1.69E+08	4.18E+08	3.18E+08	25261849	14580917
10.03947	7	4	3	394456.1	476749	298545.6	795859.4	459018	442700.1	0	625822.1	799779.9
9.559117	4	3	1	244267.5	711530.2	522168.8	368154.4	247715.5	979375.7	590048.2	582920.3	0
9.986767	6	4	2	2151005	1353886	719246.6	2779594	2235002	2582910	821096.7	1008179	961883.4
9.295817	5	4	1	12074389	30838603	36694850	56726305	25311988	1351417	27184424	94293871	18611113
24.9285	5	4	1	1198633	3387119	5001221	258960.9	281506.2	12008525	3494999	472523	87091.31
9.920517	3	0	3	1827276	560440.5	466562	1797120	1958363	646945.3	0	1276191	377857.3
24.869	7	4	3	2699121	7323796	10687122	639091.9	621142.8	25784186	7396220	778263.1	500816.1
26.46233	8	5	3	266000.4	1245995	393528.2	964772.5	284238.5	946868.1	1925016	1145704	1006783
27.08517	6	3	3	457802.2	1637559	961913.8	2404150	924074.6	2371691	603577.9	2165679	2468961
9.46265	10	5	5	1271931	4671924	764404.1	3765018	1342937	5555049	5160188	4889907	3941956
44.23617	7	3	4	365572	7665485	2910406	5597699	2063283	8381123	4014872	11699061	8375062
9.929783	10	5	5	6229057	27010903	1365673	22984285	6395001	26080701	25324639	28171781	26918794
10.00385	9	5	4	353295.8	1178896	242474.4	920821.9	371299	1268258	796831.6	1432100	1108300
9.842	9	5	4	1182639	5857227	1080665	5143825	533282.3	4980852	4653825	6768465	7127805
42.82667	6	4	1	459368.3	6439415	941161.7	8042823	2493298	6107023	6761369	4978717	6937030
10.95602	4	3	1	235473	538198.1	257375	355233.4	183064.8	837722.9	776181.1	471595.4	262096.2
9.392767	13	5	5	3538430	35025878	11554576	25710280	11389517	48960427	31225675	45249498	27461656
24.489	5	3	2	530081.4	1258057	1891505	76099.88	125822.3	4540305	1206110	150196.3	30140.66
9.859983	10	5	5	1350335	7047554	645171.5	5656207	2192660	7698129	7186831	7077196	7303268
9.932033	9	5	4	822181.8	1982485	732038.9	1345941	831165.4	3033606	2152861	1257394	1309621
9.445217	12	5	5	3652162	37926356	13368556	27685413	11782093	51912071	43274754	45822864	29675712
9.41815	8	4	4	1419380	5572048	2176980	4016559	1578334	7731364	2952242	3731830	5886363
9.445217	14	5	5	1687358	16181707	5092820	12141857	4857457	22169925	19266672	17494525	12153501
8.811533	5	4	1	389812	623347.5	550904.7	259273.3	275430.9	336201.4	1152071	1256130	372335.1
10.95835	5	3	2	258582	794306.5	169592.5	1062841	415388.3	697809	713290.1	1095697	714170.2
10.008	6	3	3	331502.3	553572.1	153004.1	666034.1	121186.2	564964.7	602132.8	383859.1	776271.7
9.872917	4	1	3	1215802	5809321	2226104	3883625	2506989	8126863	5723564	6601902	6446814
9.874317	9	5	4	4443272	13041002	3835917	19018279	9235439	6509037	14834637	16493451	14020975
31.16317	6	2	4	202910.8	984880.3	694753.4	468492.6	568028.6	1586735	1484544	248342.1	1398101
9.43325	5	3	2	599439.4	3049620	806193.5	2121123	1368178	3634739	3725790	2469275	1924425
10.02372	6	3	3	302174.8	387350.9	242995.4	556878	162001.5	499600	0	639573.2	468320.1

10.008	7	3	4	318224.7	395088.7	179870.7	714873.8	499631.1	364952.8	274901.8	699053.8	248042.9
7.440633	12	5	4	1695669	17623809	7507510	11535391	7510602	12999934	27454345	11616332	12065160
10.55813	10	5	5	15981492	3231956	663531.8	46772549	69855911	3593412	3294345	2845353	2354150
9.8445	6	4	2	491041.2	1810594	513117.5	1098675	1086560	1388801	1561140	1498536	1961513
9.960817	10	5	5	5094999	19481040	3264383	16131170	4773435	21666825	24014318	16211080	17183895
24.59267	5	3	2	1929996	5535032	6961873	1193497	485570.4	17688898	5111938	1840074	1650090
10.9645	10	5	5	3.44E+08	2.43E+09	2.56E+08	2.15E+09	4.07E+08	2.52E+09	2.58E+09	2.17E+09	2.15E+09
10.008	6	3	3	753489.2	496893.6	230094.8	1066517	903519.3	745014	410267.9	740810	271466.9
9.952017	10	5	5	1116818	2838883	670392.8	2377272	425039.2	3622948	3465583	2374050	2114192
9.912633	10	5	5	7.48E+08	8.64E+09	6.26E+08	7.7E+09	1.46E+09	8.98E+09	8.19E+09	8.24E+09	8.22E+09
9.949233	10	5	5	4310543	13149149	2799039	11224711	1764167	17329391	14368652	12639477	10420657
10.95055	6	2	4	490769.4	1812309	1083246	1067366	683492	1221158	556999.7	1838711	1976876
10.55813	10	5	5	13425182	7499118	1067145	45262348	60643484	7378639	8597628	7113789	5976017
13.7122	10	5	5	766104.1	7529339	1553793	6210740	1697380	8732134	8548086	5890990	5768340
9.778967	3	3	0	521550.3	953698.6	436463.6	586335.9	469785.1	974327	291038.4	1108063	897765.9
9.886433	11	5	5	1329330	5971338	1724351	7222260	1323509	5560979	6780724	3129694	7115476
9.40615	13	5	5	2986534	29993865	9078744	21985364	10611031	40579354	25908618	38853797	23811566
10.02372	6	3	3	802254.9	1087313	1034617	1958083	1114813	482745.8	452492.7	927877.2	666576.1
9.4775	6	3	3	555887.3	1296781	480614.2	882590.4	540238.7	1502400	1608362	1604399	1302585
8.967683	9	5	4	736965.9	2021802	376127.3	1611260	598229.2	2144313	2618961	1705807	1900426
10.008	9	5	4	438193.8	565238.5	76256.4	762794.8	314274.6	626408.5	525122.8	630818.2	592120
9.94455	6	3	3	568380.7	1518093	481445.7	1039881	674678.2	2104731	1955365	1174026	1032681
11.48217	4	3	1	138377.5	387721.2	313894.5	191886.4	44849.72	923587.9	250255.8	140112.8	224603.5
25.1885	5	4	1	698455.6	1727248	2546681	142744.5	162966.1	6101154	1859030	250821.4	98919.26
9.616167	10	5	5	1940833	6368410	1452309	4999135	1889117	7813109	8073300	5035911	5550796
10.68888	7	4	3	1070444	700037.2	383142.8	2316421	2592699	576540.8	599012.4	585004.9	374407.4
9.544833	6	2	3	4449025	9281363	4378589	5852097	4101987	12217285	5751613	14475692	3977280
9.94455	3	3	0	638375.3	1357283	72424.63	993721.4	583932.2	1332921	1275174	1325203	1465408
9.40325	5	2	3	3011849	19809360	6960081	13492136	8547763	24806560	16023218	23885411	25035783
9.445217	8	3	3	870411.6	5001932	2122079	3092851	2570311	5320631	2881117	7328536	6722468
9.644783	10	5	5	711952.9	1781661	1228780	997738.9	449516.4	1306054	1128695	858237	3909698
24.754	5	4	1	1242140	3073370	4568962	235798.6	279244.8	10900501	3378208	534319.9	107210.2
9.8322	9	5	4	3423707	16988847	2052646	13193170	5972644	15941598	15430387	15560012	17751614
24.86883	7	4	3	127680.5	478289.8	307604.6	271484.1	176864.3	244403.5	628345.6	81984.99	598065.2
24.0985	8	3	5	456799.8	2854969	339901.4	2543689	423812.5	2714389	3460636	2661403	2694649

19.438	9	4	5	297449.2	1778889	314081.7	1366038	628484.4	2162019	2024393	1475613	1470225
9.975217	5	3	2	2692512	4495543	1112896	6626279	3362140	4004976	4482539	5936362	2978551
22.92933	4	1	3	66478.3	281084.3	107472.1	192290.7	112532.5	346208.3	92738.08	291607.4	333947.1
9.311883	5	3	2	625717.8	1890439	655255.3	3364847	2343435	1050024	2514576	1982999	1402128
40.525	7	3	1	270368.6	3319770	287002.9	3109712	228338.3	3360415	3190590	3138945	3802421
10.0926	7	4	3	371968.5	947721	486461.8	643264.4	113869.9	1625332	1227667	472147	524069.8
41.48867	6	3	1	355871.8	7455255	2993697	5514266	1351171	11914464	5954070	4042154	6693355
9.858833	10	5	5	1504882	2724042	739332.6	5246416	4047233	3933623	2210181	2168160	2389048
39.43133	4	1	3	294651.6	4934484	576377.9	6233689	2066259	3908507	5104336	5195772	5198884
9.920517	10	5	5	3595778	9626569	1356911	7843679	2716842	11098288	9112244	7754373	9373056
24.709	5	4	1	376734.4	972436.8	1439000	80741.05	65085.01	3471346	932172.1	183355.8	36809.38
9.928667	6	3	3	2631945	3081441	2377197	1519681	1199242	1147130	1020688	5851879	1934376
9.9847	7	4	3	1457125	1049362	306759	2257879	1943483	1406820	1169784	1126336	964642.1
9.888767	4	1	3	4616301	20517789	8613293	12650129	10730803	28661188	17562984	24276641	25196990
36.9045	7	3	3	337457.3	6325358	3998043	3843281	549225.8	4154312	13464210	4692643	4528256
9.853633	7	4	3	1388467	2471669	1502697	4395728	2923555	1157949	4850224	1443990	1908945
9.9014	4	1	3	13128333	52195334	27256616	30126680	27551013	9721345	39651158	71420929	70335424
22.36317	6	3	3	237509.8	1478537	342995.8	1224832	282348.4	1163710	2040215	1548013	1344125
24.8545	6	4	2	1369852	3503110	5237328	261167.8	288321.9	12562067	3504487	563492.5	68077.7
9.406667	8	3	4	897435.8	6838355	1658523	5050447	2613850	7566323	5132459	4971682	8388005
10.00385	11	5	5	56390216	3.14E+08	60449307	2.51E+08	91256363	2.81E+08	3.21E+08	2.29E+08	3.56E+08
9.009533	4	1	3	261393.9	267292.7	266122	478368	258412.8	33605.66	207698	81664.03	311828.6
16.27145	10	5	5	1651363	14778095	2462157	12805714	2440825	12838667	16380629	11591472	15657459
9.8445	10	5	5	6166609	32109363	4237488	26597920	8406628	34789231	34203790	26240163	29106464
9.392767	9	5	4	1192868	3257962	687276.3	2520879	1076723	3658648	3743196	2738683	2314205
9.8322	9	5	4	576941.3	2140588	399173.6	1548635	919181	2036834	1917616	1682575	2360920
10.02372	9	5	4	1430281	836298.2	224290	1995456	1871584	917045.5	583821.9	1124107	922113.4
14.47295	3	0	3	3094217	1230634	150500.9	11406383	16478432	1196713	1277358	1428447	1239256
44.98333	12	4	3	381680.3	2871777	1841607	4044719	707794.5	4767863	748340	3879245	1042509
9.983433	10	5	5	462176.7	1681415	330503.2	1369635	434013.9	1898635	2053473	1735318	1215652
9.992233	8	3	5	298221.6	874304.6	287486.4	670396.2	210512.8	821326.7	1323731	876865.4	522825.9
29.22367	10	5	5	477307.5	1754327	1185471	999451.7	457024.2	1616790	3773093	1291878	653332.9
10.02372	8	4	4	727087.3	576837.7	371853.6	1328412	1194996	758755.8	38589.87	1009565	680279.3
9.999217	6	3	3	717503.9	666201.6	385580.2	926127.9	230875.2	906802.2	0	919546	668797.1
9.872883	10	5	5	16280191	77984694	10621800	67428667	15050048	88018578	72761894	73217852	65702673



10.008	7	4	3	506275.1	745390.1	418042.3	1159255	589167.1	1055715	1249254	748511.1	250568.4
9.976317	10	5	5	1724442	6119273	2243279	4639314	1193535	6616014	6499112	5063939	9258936
9.888767	10	5	5	6307849	33015519	4468904	25669428	11536900	36456849	35414346	27538822	28819625
10.51508	8	4	4	308146	1084722	415288.5	793016.9	294763.2	998471.5	1783056	1021673	668689.4
9.920517	11	5	5	5105112	11047243	2292760	7687182	5220079	12341428	10041185	7538317	12009338
9.964417	4	4	0	512256.5	828448.9	496808.6	476361.5	363884	1005508	60713.27	672195.3	1024235
10.26505	4	3	1	253698.7	690056.3	311822.3	486592.8	154940.8	630698.3	962683.4	1034298	274970
10.80383	4	1	3	65352.8	206104.1	14104.48	170553.4	57046.69	222698.6	191556.8	200817	195986.4
22.65317	9	4	5	279101.3	1816679	544338	1449592	328797.8	1139703	2638681	1939998	1679324
9.392767	10	5	5	3818292	15177118	5785546	10579535	5676609	16486197	10356826	9831777	15069465
9.56645	18	5	5	8984816	73032939	16860034	51188836	33414025	61147741	85431539	95352528	55165747
3.65805	7	3	4	148137.1	2429411	1395362	3734732	1815215	0	3264728	3389297	2565062
20.864	6	4	2	125589.9	183038.3	85427.77	302850.1	185442.3	171768.4	145413.3	73663.55	301931.6
9.830833	6	2	4	636842.8	1343160	448654.6	1685343	402724.8	1197159	909275.8	1602354	1015149
9.8322	8	5	3	1816031	1658349	159644.6	4007363	3812730	1727683	1751568	1530881	1829995
11.99367	7	4	3	122799.5	536610.4	116321.3	420302.5	166602.6	397642.2	672419.5	606074.5	435109.9
10.9645	7	4	3	205997.1	747742.1	83035.67	618196.1	202915.7	612722.9	728944.4	825746.1	781306.5
20.28833	5	2	3	267963.8	595757.5	351292.6	366488.1	175847.8	183326.8	1147981	582294.1	460427.1
10.95055	9	5	4	177946	762501	165613.9	613108.4	203857.6	851653.6	1003582	592407.6	651696.8
9.673333	6	2	4	3664429	8847755	9918553	2488330	4269667	9762053	608138.9	8841250	24718289
9.903567	5	3	2	1191173	1471204	505047.8	2577333	1769275	1003916	1065750	2252273	1624911
44.36533	11	5	4	338760.6	10567446	4922570	7139139	3413922	15345673	6112870	4454006	13220370
27.31667	5	1	4	10815764	146666.7	133299.4	31599395	51107485	384292.9	79341.11	92099.56	74635.56
9.406667	5	2	3	409264.7	2448511	1355301	1561658	694231.9	3365752	3995875	1614502	2654659
9.872883	10	5	5	5228849	27389598	4256477	22093634	8061165	27946442	24807929	22712104	27488390
9.523633	9	5	4	1011497	1542269	629488.5	3478387	3126775	2256810	2012513	1218128	677261.4
9.67	5	2	3	354551.1	952513.1	580973.1	528345	469101.2	1620770	332659.3	715123.4	1518770
9.94455	8	5	3	2322495	7804893	2302087	11221570	5334920	4608612	7510614	8031188	7776200
9.848417	9	5	4	1836383	6952885	3186667	4977121	702605.4	6728970	6008149	5831639	12328538
9.559117	9	5	4	453835.4	1147555	275923.7	842793.8	452113.7	1057575	1599482	964513.5	911997
9.886083	4	3	1	2983746	10840653	5557187	14800560	4189629	8406685	5625276	17020081	16632255
9.864767	10	5	5	3239746	22103767	2592276	18300697	5938366	21196814	19240967	20870638	23222030
24.84117	4	3	1	379217.3	847191.4	1259196	73532.3	86332.25	3024817	845140.5	172902.5	0
9.284283	10	5	5	1281145	4550228	1335244	3391828	1549704	4853504	6688920	4153225	3198373
9.992233	9	5	4	567179.7	608400.4	133854	977937.8	596533.1	658635.8	706338.5	745048.6	453387.3

9.864767	10	5	5	8943709	59288605	6919409	48950054	16177968	56167699	52419347	55766294	62115088
28.67333	3	0	3	61061.43	93112.52	26193.09	145676	84008.94	66211.02	132520	89680.62	74175.47
9.445217	5	2	3	2251784	12221294	2953378	9321939	4141514	15748952	8315644	12728566	14017515
27.96683	10	5	5	528905.9	2889648	844656	2305266	577900.1	3075037	2793838	2194036	2157603
11.8416	4	3	1	85092.88	304748.2	167328.4	200668.9	45330.17	483729	454939.5	304845.4	100148.5
9.673333	7	3	4	522679.2	1830276	496097	1457782	432933.1	2606225	1873776	1287903	1846508
9.498117	6	4	1	5445264	2780244	3585415	9616768	10908412	9100492	2228286	753364.8	731643.5
9.2033	8	4	4	662436.7	1643152	715981.1	2224571	739663.4	996787.5	2829414	1347617	1288253
10.14543	10	5	5	636842.8	1718832	523454	1291454	546494.1	1369911	2578634	1777106	1620866
6.996867	5	2	3	12191684	3.06E+08	1.97E+08	1.8E+08	87387099	6.43E+08	2.3E+08	1.53E+08	1.97E+08
36.95717	6	3	1	311484.7	4601146	1087711	5437831	1005833	5086091	5731670	5142275	4070995
10.99268	5	3	2	212637.2	606904.3	171984.6	454428.3	207335.6	612664	651025.5	578555.9	836241.6
9.856867	10	5	5	1715110	7320766	896148.4	8673493	2122714	6854222	6102162	7289566	8312677
9.853633	8	5	3	1561619	1970136	656803.9	4474517	4068608	1770261	1670432	1781358	1500916
40.48267	5	4	1	314886.6	2604121	1289315	1757844	691398.8	2997679	1538828	3990589	985428.4
13.4763	10	5	5	390045.2	1300100	797007.8	2083689	1122180	515484.3	1016234	1030177	2631179
24.71	6	4	2	1887383	6504930	8538025	1272684	409990.3	21142329	7055312	1237516	1341514
9.904767	9	4	5	6673955	7303698	7225768	2867529	834186.6	3633171	20103896	4669788	5377580
9.295167	5	2	3	2659862	17424906	15262407	7243064	8980430	30508495	793532.9	32721302	2037801
9.40325	5	2	3	1833759	9088945	5337195	5209177	4296883	2475913	4570586	14177242	13790460
9.872917	4	1	3	6825096	10106672	8468287	4672910	3848193	4889082	24148711	4806636	4593179
8.955933	4	3	1	219615.3	661088.2	495026.2	351832.6	156618	1089433	1256576	503429.7	82855.6
9.960467	6	4	2	991757.8	1071578	351441.5	1941565	1404133	1164127	528665.8	1384774	1344154
10.008	8	4	4	384015.2	1203285	420887	839654	486923.7	840864.1	1468685	994033.4	900289.9
9.445217	12	5	4	815828.4	5352966	1728736	3993795	1679246	7832984	6137983	5292159	3592523
39.86317	11	4	5	343331.7	5192977	2043285	3931817	436986.3	1971832	7139801	5096560	4988010
24.609	9	5	4	179022.2	608054	86553.28	975473.2	598370.7	709681.3	674248.7	612297.4	507276.6
43.11433	4	3	1	376415.3	6042484	818892.5	6625642	623018.1	6534797	6451432	5588698	6810383
9.976317	6	3	1	740157.6	1911745	763885.3	1310626	744398.6	1942595	608234.5	2098124	2522903
9.830833	6	3	3	869902.7	3266654	1109501	2267493	1374960	3533101	1633911	3917730	4492440
32.287	10	5	5	570623.1	3413443	912260.5	2591590	1131221	2853338	4259057	2124870	3653626
40.94233	5	2	3	288648.8	4291508	1691025	3255174	194581.4	3229277	3796447	3498542	3639864
10.93208	5	2	3	459462.6	1215066	702978.4	721161.4	513192.1	1434812	2246016	1266005	475240.6
9.992233	10	5	5	409146.5	1481900	151677.9	1202201	446847.3	1466442	1619444	1616208	1248918
10.00998	10	5	5	716695.4	938106.4	414533.8	1663937	1155868	1084064	1517649	989453.4	436110.4

10.95055	9	5	4	218023.2	910510.4	238105.6	724046.3	230127	1094934	1166103	756427.3	590319.1
11.72885	7	2	5	149170.7	504192.4	158121.4	868032.6	587205.2	521251.3	329038.8	365979.6	707291.4
9.856867	10	5	5	2103434	10486070	1279071	7985201	4010470	9409006	9198919	10208103	11524802
9.992233	16	5	5	510280.3	1911315	961176.8	1254840	635127.9	2311110	731243.4	2684031	2794276
35.99767	10	5	5	248381.4	1622810	263652	1905123	417987.4	2014025	1508720	1299946	1587814
38.81283	12	3	3	325851.4	4517931	1862658	3162111	1516532	4178230	3894255	2818980	3985876
9.840617	8	4	4	2245032	5005472	3251671	7834890	3823971	5615668	10416708	2851447	3582349
10.91673	7	4	3	226389.3	459011.9	95450.11	669219	339092.6	428989.4	575509.2	494737.9	479235.2
16.69483	7	5	2	934654.9	246517.9	113021.3	1858610	2640549	414837.2	209435.9	304022.4	140523
9.445217	8	4	3	450672.8	2610367	1083582	1665145	1280601	3592337	3874548	1617056	2409805
9.952017	10	5	5	1037354	4098473	1007507	3450483	482926.4	5237098	4378847	3211784	2894952
9.904767	8	3	5	1666018	6721311	3367799	4515456	1831147	6487316	3071012	5297339	12192562
25.994	9	5	4	421878	1510323	580066.6	2550282	1663284	2536917	1231324	1174669	1213081
7.524417	8	4	2	1216499	9078287	8058297	3930276	3658290	5788915	4921080	4393963	6893890
9.932033	10	5	5	5277417	11877758	3106116	8297492	5417420	16578449	9431687	8769867	11809910
10.29105	10	5	5	5899603	30522244	7459637	24369804	8012789	40455717	33237202	29979737	19834152
9.874067	6	2	3	1813149	484467.4	145052.4	2989703	4109001	470871.4	633522.9	337104.5	349047.5
9.952017	10	5	5	3130118	12698981	2165772	10218069	3749431	15144167	13769706	10399101	10416441
9.346	6	4	2	807255.9	4690146	1176937	3181421	2331630	4555685	4070606	3187255	6226853
10.36865	6	5	1	358055.7	768404.6	307482.8	573054	133013.2	414660.1	1015195	478791.1	1088412
10.51392	9	5	4	421571.2	1645292	530146.1	1276697	377732	1250531	2494899	1813585	1224001
10.95835	5	1	4	600177.3	2195403	1204944	1333188	940626	424427.4	3791115	2294558	1996627
10.14385	5	2	3	4616856	15472885	11453690	7721714	7368829	3957413	2658833	26897114	24585958
11.30818	7	3	4	2227321	899633.6	325298.4	5345614	7295757	1005779	1240260	1141804	557959.2
9.999217	10	5	5	915657.3	2962627	119461	2443160	849894.9	3047437	2835898	3068199	2829166
10.90765	4	0	4	166730.4	179879.9	112998.3	285705.4	149518.6	90984.24	312603.5	45658.37	183510.2
9.975217	8	4	4	573112.3	1443786	797300.2	909984.4	490071.7	1673116	365602.8	998306.2	2472775
9.445217	12	5	4	726695.3	5598123	1269887	4573935	1310850	7070375	6288680	5744909	3695863
38.38117	9	2	3	387847.7	5156296	441724.7	3995745	1886906	4433706	5245881	5089828	5531266
9.840617	10	5	5	1726544	8288617	349318.1	6923025	2233503	8852339	8072739	8398961	8116812
9.445217	14	5	5	2678247	20026612	5753151	15009636	6819887	26438432	23545577	22110823	15109174
16.41748	6	3	3	1006244	428227.2	398964.8	3329566	4761697	834686.8	155029.9	138038.1	119184.1
19.11083	4	3	1	1338285	2206780	3355902	165032	97730	525763.2	117702.2	2254639	135441.6
9.91875	9	5	4	2023938	4441324	564934.3	3406340	1661540	4813409	3691073	3985853	4757269
9.374083	9	5	4	699997.8	1563742	254349	1087972	764757.7	1935722	1522380	1227379	1619231

9.94455	13	5	5	4572475	4137526	1761552	7542748	5484195	4700968	5483507	2580591	1986825
9.023433	6	3	3	262314	758502.1	373392.6	507595.6	234849.1	847701.6	956084.6	222610.5	572827
10.16938	8	4	4	157934.3	493256.7	142737	401806.6	67968.92	327089.9	589986.1	652989.1	534527.7
26.02517	10	5	5	177213.4	1231649	320226.1	955221.1	374161.3	941126.5	1751971	1244031	997506.1
9.3261	6	2	3	926809.1	5719961	2388880	3904496	2187259	3382220	2960991	7213052	6804948
9.445217	13	5	5	3414515	21347373	8480868	15379051	6337676	24832456	15590976	18160766	34501535
9.858833	9	5	4	4386736	17323580	1879184	13730362	5788781	15837548	17637247	15122275	19811066
9.2033	4	3	1	442425.1	1235414	656653.5	767596.9	509777.4	1196333	608330.2	704439.9	1426852
9.903567	4	3	1	2101813	4535498	590825.5	3194419	2176352	5406423	4361514	4843527	4094869
10.95055	6	2	4	1307328	3838870	1095400	2793380	1495413	4267129	5436689	2884620	2765286
10.9645	10	5	5	784752.9	3754110	253650.3	3310501	711119.6	3900065	3789118	3405169	3615662
9.365833	7	4	3	513713	2126728	1118647	1351889	794470.8	2695983	3346382	2583557	1485274
9.43325	7	3	4	738965.1	4529851	3255576	2219480	2500065	2632904	2198009	8110596	8041936
27.51817	10	5	5	625318.9	4850787	2009483	6340418	1737230	3373428	4792889	3690240	4079067
43.90517	14	3	4	246888.4	3881954	1496772	2717797	1443169	3403021	2899866	6061670	2348297
9.445217	13	5	5	2521462	14868226	2873950	11609477	4935559	16542417	16452310	13329339	10553116
9.994767	8	5	3	576947.2	1730909	390561.7	1327513	595115.3	2104728	1917682	1805097	1075471
9.976317	6	4	2	589781.3	943942.9	520942.6	550699.3	470879.6	1021227	80858.49	916364	1311366
9.853633	5	3	2	3128495	3420569	2418443	6258342	4333231	4564672	1296863	1881766	2226483
19.15483	6	4	2	3102483	5363157	8297043	327435	158629.7	1208230	340502.5	5144012	348745.2
10.02372	7	4	3	755272.1	904859.9	613699.7	1422808	691853.5	574441.3	689550.1	814697.7	467601
7.440633	10	5	5	5326003	82900988	11191045	72928518	13803377	83540049	88431119	75573179	69065040
21.91383	3	0	3	15788154	93759.37	67221.95	43363095	71322151	97827.6	63852.63	53960.25	44645.05
9.967367	6	3	3	1132428	1758288	625350.9	3007453	2020070	2173112	2425131	792438.4	1637433
9.8445	6	4	2	6031652	8179263	13651927	20002615	16090826	1434518	1669366	2341585	2871243
21.7255	3	0	3	5809887	364146.6	50285.56	14934146	24023854	366621.5	370691.4	332920.7	441747.7
10.64595	8	4	4	304652	952359.8	123692.5	755167.9	314427.8	805001.6	963274.9	1098185	852651
9.419733	10	5	5	2162678	5772172	1735503	4263246	2058959	7796098	7408464	4127343	5283028
9.848417	8	4	4	2026572	10515443	1696646	9336354	1224880	10150555	7961457	10688894	11160249
21.60133	4	3	1	58906.42	172376.3	62802.57	132765.8	26420.93	138151.1	255683.8	136450.8	109726.7
9.324917	8	3	4	8664181	39741414	51698598	8085285	11829015	4004742	934243.7	1.12E+08	4265238
9.433	10	4	4	1242774	7868898	3213378	5646029	2284413	4834308	5159433	7136018	12380316
24.33267	5	4	1	363175	961466.6	1328885	155794.6	48659.07	3227575	1080973	120683	105243.6
9.8445	9	5	4	876678.4	3374977	536475.7	2517516	1368323	3712123	3576604	2841550	2775503
9.856867	6	3	3	2243332	2043137	379348.7	5568577	5812837	2177639	1807560	1520302	2224615

9.842	8	3	5	17831916	26940665	38646455	3514622	1461195	93073417	29902518	4488347	3513979
10.97857	9	5	3	751669	2404171	763127.1	2934774	553457.6	2386369	1374651	2192233	3498257
9.856867	10	5	5	2904902	14080716	1955089	11099507	4739744	12646728	11878397	13838685	15385997
9.379233	10	5	5	1269542	4481897	658141.1	3749244	1107696	5550135	4157097	3892597	4153018
15.89097	8	5	3	283338.9	2807865	418022.8	2143778	1060253	3499088	2605445	2902160	2490659
44.9835	8	3	2	401192	5709367	2257546	4337756	322009.6	3536538	4559330	4798126	9334416
9.91875	9	4	5	1982908	4372804	1829042	7679339	5329722	7008975	3053460	4508543	4991531
21.80583	7	5	2	130208.1	815869.7	264414.7	644250.8	141967.4	526021.1	691814.3	823341.2	798168.3
9.872067	4	3	1	749965	2207242	669609.4	1565662	923684.1	1921993	2486725	1451694	3209742
42.20783	11	3	3	336714.1	7773582	5968708	4133413	1226950	4458026	5478896	5829384	4697747
9.544833	7	4	3	841128.8	2172509	878227.7	1388420	1090698	1974253	1159631	1647440	2696368
9.43325	7	3	4	1354572	8237871	8410502	3054353	2559661	17378529	17461650	1116616	3063252
12.73297	7	3	1	237258.6	1813187	208252.3	2922744	1830042	2033821	1567905	1698452	2027371
24.856	3	3	0	393307.5	925797.5	1389829	84695.64	81460.13	3353560	829375.3	123990	88412.98
29.87717	4	3	1	20909956	29248285	40075549	60042959	37973583	67093794	78739276	90133.24	157796.7
9.388367	10	5	5	2601128	8519710	3431058	5755355	3576929	9343616	4250474	6406573	9265497
11.77347	10	5	5	7343768	5750684	427814.8	22198815	27200610	5221102	6147738	5965153	5359972
9.872917	10	5	5	9837867	58664712	3935660	49093965	15640018	58581816	54540403	55632645	60099869
21.91383	3	0	3	15707217	509439.3	11348.66	43856257	71703295	527128.6	504924.3	500183.8	514133
43.22933	7	3	2	415620.9	3748216	1820192	5568399	2670373	5641696	3957582	4226251	4199081
38.17967	4	0	3	331207.8	3049058	98192.48	3369203	526410.4	3050708	2963151	2992279	3024670
10.92208	10	5	5	308960.3	1044235	335888.7	809154.1	250701.8	1338419	775288.1	773381.5	859730.1
10.94443	6	2	4	4599072	8091274	6890667	3153068	5517528	13713470	973325.8	508335.8	10516541
9.94455	10	5	5	5977582	21996876	2359679	19724647	3285100	25593464	22876023	21311914	19427012
10.78937	11	5	5	3037329	5625856	1003962	8495301	4709091	5675093	6862918	6015961	5473826
9.487467	11	4	5	594072.4	11193865	13343020	3084857	2418102	3479643	733541.7	1325405	30344965
11.3298	9	5	3	14064015	1.91E+08	23389643	1.68E+08	33691850	1.94E+08	2.2E+08	1.77E+08	1.6E+08
11.7811	6	2	4	2191664	178594.4	275324.6	4923882	7854394	47009.26	132373.2	18612.31	30377.72
27.28433	10	5	5	1322199	8233378	4208476	5639172	1338684	4857797	6970299	6062438	7767980
9.219483	7	5	2	82491880	3460217	2663727	1.07E+08	1.71E+08	4663370	346541.8	7017595	3907264
9.900133	9	3	5	11094877	25440051	34297556	4669843	4410567	79169572	40656174	2455834	3554079
10.21522	10	5	5	435117.5	2085733	358742.5	1651755	670665.4	1565221	2457158	2390407	2029906
9.398583	7	4	3	1293247	2453266	1474235	4742804	3659908	992541.5	1685363	2573918	2140917
40.70933	7	3	4	322126.8	4520261	769223.3	4046432	242615.6	3731036	4445487	5798446	4410164
9.445217	5	4	1	3435116	5794090	8201271	12417011	8615485	1601872	3423318	20385296	1180520

9.93625	10	5	5	3498419	12527326	1870775	11121966	1693131	13909559	14686924	12449320	9952907
9.992233	4	4	0	424599.5	761844.3	215713.6	446234.2	501785.6	1026963	948620.9	683099	524601.2
9.595733	9	5	4	1540502	4337574	1573177	3198194	1302020	5617857	4023757	2361630	6211264
8.949567	5	1	4	257604.4	491184.8	319654.6	286965.9	157745	622090.7	961219.3	199489.2	473939.6
9.946467	4	1	3	718860	269000.5	407305.5	1426531	1903016	0	978922	0	175909.7
9.40615	7	5	2	433753.2	925354.1	279020	663455	375514.4	1365160	1006165	704657.1	681145.6
9.93625	9	4	5	2346883	5634647	1021806	4692993	1338440	7169758	6187539	4838336	4837558
9.848417	9	5	4	3894755	15732715	2138504	12143997	5779846	15794968	15204500	12811567	16058688
10.66002	9	5	4	351311	1241548	393543.6	938592	376553.7	922738.9	1738102	1561062	1143877
9.388367	12	5	4	701292.1	2853648	987592.1	1946653	1287744	2625863	3685800	1503158	2500480
9.03715	9	5	4	442830.9	1080729	191348.8	822898.9	406293.2	1318033	1121679	1153430	801336
17.95233	3	0	3	4341277	54543.18	66185.68	12322474	20356051	24484.26	24820.09	12276.17	39455.39
9.311883	6	4	2	1232545	3372539	2668717	5185975	1816614	3298295	645556.2	3278327	7722463
36.30967	6	3	2	306369.4	5153792	444176.4	5791354	1012922	4412151	5576989	5163514	5229753
18.96567	9	4	5	104809.1	797073.5	135709.8	700480.2	107408.6	907801.1	887825.2	638494.9	659208.6
8.964883	7	3	3	85489.75	934585	252772.7	640459.5	451990	1020570	1271556	957396.6	843531.6
9.992233	6	4	2	289930.7	734874.9	214137.8	517792.8	321352.7	878507.5	944728.4	836785	458841
9.40615	9	5	4	3136300	9103715	2959537	7078092	2071824	7368799	10451727	7017597	6963946
9.848417	9	5	4	5916961	30178237	6196580	23858686	9375800	29818524	26085324	23299487	32294854
10.9645	5	2	3	703337.8	1851488	870938.9	1305522	369086.7	1268212	3091176	826509.8	2174697
26.34583	5	2	3	170050	1356909	635631.3	888104.7	553557.3	1183037	1515348	499401.9	1321973
24.9575	3	3	0	279285.6	676930.4	1016080	64837.12	66514.4	2442722	637061.4	123826.7	0
9.887133	9	5	4	2356882	5491534	2207671	8213307	4235595	5895626	3365184	8065681	7043152
9.845483	5	2	3	770126.6	2073643	937505.5	1361355	875521.6	813799.8	3334600	1614909	2410397
9.431017	7	5	2	514468.9	1059761	329634.7	617843.7	697186.8	1335836	1446786	879136	645876.7
9.46265	4	1	3	433400.7	2544335	530654	1830770	1126845	3004856	2581520	3088199	1830303
10.9645	10	5	5	1.77E+08	1.26E+09	1.39E+08	1.14E+09	1.74E+08	1.35E+09	1.37E+09	1.12E+09	1.1E+09
27.96683	10	5	5	4653628	32306804	7225779	27498354	4557792	34843142	31375308	26749263	25259610
23.30567	3	0	3	14131843	478019.4	253050.8	35021524	57455269	474064.1	411894.6	312421.4	282365.1
10.80383	10	5	5	283985.7	340481.5	120574.9	564354.5	363991.4	199850.5	431020.3	496355.4	299577.5
11.75993	4	0	4	5595424	813101.4	278543.7	14646735	23013536	1002116	838257.8	576002.5	494786.6
10.73323	10	4	5	423915.7	4831911	1300843	3172392	2602234	4183066	5628421	3464373	4197032
27.26983	10	5	5	4144444	19878710	12908099	11985134	3809146	10992389	14309180	12915078	18785899
9.310917	4	3	1	480363.7	2447442	997988.7	1760000	719825.2	2920946	1668652	3670063	2775431
11.09082	9	5	4	18529292	2.33E+08	48940592	1.95E+08	49361971	2.73E+08	2.57E+08	2.02E+08	1.62E+08

9.999217	4	1	3	646620.3	206590.6	246740.9	675986.4	765154.2	0	634303.4	165396.2	119983.3
9.858833	8	5	3	678823.6	2776702	577080.5	2427873	111182.1	3136409	3054791	2345237	3351002
9.992233	10	5	5	616829.3	2279789	170842.7	1952147	534451.9	2350656	2127359	2539561	2241338
9.975217	7	4	3	2877216	1483019	729212	6121755	7715579	1606591	402800.9	2111189	2145410
9.842	5	3	2	754673.8	2810875	646750.6	2007463	1255804	3649256	1882463	2997877	2577128
10.9645	10	5	5	72145144	5.02E+08	58840186	4.5E+08	73152129	5.44E+08	5.52E+08	4.39E+08	4.37E+08
9.946467	10	5	5	2885103	11644441	1339106	10325709	1941138	13553738	12087506	11500603	9880020
25.4475	4	1	3	76220.57	347848.9	132876.6	247089.9	124257.6	284008.9	550292	384877.3	193807.6
9.976317	10	5	5	1442529	3507795	1369235	5563896	3297591	4357336	5242801	3337020	1658672
9.388367	10	5	5	18227480	63638402	23084258	46273239	21214124	68305608	43574458	42884215	64064414
10.95835	5	1	4	468218.1	1480966	446130.7	1152683	389419.2	2021233	1805414	1370976	877692.1
44.5955	8	2	3	547623.2	6064361	1881060	4430512	2264549	7177938	5251257	3118435	7193883
9.845483	8	3	4	1644398	9165261	605278.5	7674392	2456868	8849910	8385194	9054700	9673183
16.50535	3	3	0	8005429	28883317	22890905	15106930	3227372	15485700	48169632	6869162	15383602
9.886083	7	4	3	1210225	2300059	1006999	4128143	2976382	3848286	1455603	2770850	1844367
9.976317	9	5	4	2896873	7970003	3095342	11071194	4598312	10015783	11626705	6103166	3824320
9.416767	9	5	4	1736863	5374779	1100179	3581485	2898835	6389177	6465553	4449561	4053158
9.568567	16	5	5	1080156	10047518	2645132	8144930	2182142	13185369	11864189	10362242	6757544
9.379233	10	5	5	1273121	4357653	553485.9	3471531	1430446	5151260	3592471	4368490	4270263
9.840617	11	5	5	1615907	8334338	194762.8	7048868	2141665	8580320	8152839	8412197	8408233
9.975217	9	5	4	1621832	6238398	1483454	4773885	2161149	8132991	7470539	5029698	4835254
9.976317	7	4	3	661732.5	633631.7	155410	1327410	1154512	606257.2	861790.7	593223	432385.8
9.445217	14	5	5	2907065	28773059	8187634	23261340	5492131	38349654	31480434	33445007	21623582
9.041133	5	2	3	184470.5	392058.9	201895.7	251073.9	153659	531720.7	611515	395941.5	331969.6
9.872883	10	5	5	27871380	2E+08	21483549	1.67E+08	53719161	1.9E+08	1.77E+08	1.93E+08	2.09E+08
21.6835	6	4	2	551361.4	700975.5	1203560	1736242	1430308	216486.9	114669.7	187215.3	2852736
10.96997	9	5	4	394011.1	1379867	336887.9	1742543	550959.5	1500537	1294008	879006.5	1422394
31.02367	8	5	3	3393341	20502650	16124334	10805192	2571685	12624846	10304404	48866891	12489851
10.95055	8	5	3	482763.8	513541	139145.2	1194312	1134222	640199.2	687383.1	435063.8	388810.9
9.983433	10	5	5	1145323	4862054	711499.5	4082942	1189159	5808534	5318490	4335565	4063621
9.976317	3	3	0	312259.9	804544.4	132549.9	544455.5	425956.2	763728.7	762508.2	877221.3	634259
20.85467	3	0	3	9175705	1442710	85434.95	26092859	41180250	1493889	1488827	1302087	1421148
18.44233	3	0	3	68924.35	390312.3	151389.2	274094.2	146041.2	283276.1	492211	193724.5	417550
9.147367	3	3	0	355089.2	978496.1	381573.3	679393.1	384103.1	1245275	522618.3	1106514	1386623
9.94455	10	5	5	14612143	53113456	5688911	47799537	7678824	62046000	54224999	52211651	46835701

9.95825	4	1	3	3626476	7378058	3938505	4174905	4252403	10174630	1411810	11451483	6023637
11.15248	9	5	4	947114.8	4437462	1494976	3146216	1790047	5997548	4728161	4632768	1949825
9.952017	10	5	5	8469980	27824218	4559135	23853674	5532987	35517117	26090164	26696063	27410707
9.388617	7	3	3	419267.3	3775806	568885.4	2493723	2112312	3948555	4689569	3397410	3287921
13.27422	7	3	4	280593.6	770320.7	157591	1209889	728237.7	791704.2	775656.8	512036.6	834468.9
9.43325	14	5	5	1301077	9682122	7174328	4845629	4860120	16436580	14646459	13453224	1092516
10.90393	5	3	2	155741.6	461000.6	126032.1	340050.7	176932.5	316966	449671.4	415110.5	460869.2
8.967683	5	3	2	284197.5	585261.6	226235.1	359496.3	335289.5	612272	946897.7	358568.8	438273.8
10.9645	9	5	4	417937.8	1400498	270783.5	1666851	393529.6	1564246	1255412	1130818	1260300
12.6321	10	5	5	2548234	21183985	2735914	18532324	3895733	22530904	23940761	18069408	18415978
41.34483	8	2	4	299674.1	3329589	970907.6	4092360	983183.8	3586432	1614578	3928882	3625933
9.93625	10	4	5	2967156	12441866	6363877	8363754	3391333	8462481	8104108	10843559	11250142
9.061	10	5	5	15393168	97009415	21681388	77498722	27722213	1.01E+08	1.33E+08	83757928	87732074
9.914217	9	4	5	4511550	4942204	2106044	11645387	11140862	5201543	3601330	4717589	8331429
9.374083	6	2	4	381066	436648.5	479457.7	856945.3	589010.3	1074827	0	0	781455.8
29.37167	8	5	3	129976.8	457779.1	112979.3	545377.8	111646.2	494889.2	521609	344441.9	336142.5
10.53607	3	0	3	118617.6	428848.7	212485.7	298907.5	70916.36	315960.8	702250.5	610479	229601.5
10.008	6	2	4	1002532	401850.6	418443.4	1576276	1948907	785840.4	916837.9	189812.7	0
23.04517	4	3	1	229532.6	580183.2	608586.1	1016307	501589.7	152822.7	1302997	84772.29	174697.8
9.29345	4	3	1	470813	733953.6	736608.8	241631.2	485331.7	1141475	1691178	837114.9	0
9.9677	10	5	5	2385700	7498699	1422219	5704273	2827454	8751389	7963083	5617113	6407914
8.855567	6	4	2	2830663	2541767	4525705	8905078	10180426	436621.5	716816.2	10620334	853395
9.40255	9	5	4	827072.9	1901821	580998.2	1328899	848788.2	2317906	2549485	1261412	1331049
9.872883	10	5	5	22223624	1.58E+08	17313614	1.31E+08	42541821	1.5E+08	1.39E+08	1.51E+08	1.66E+08
9.9677	10	5	5	1110288	4108118	497819.1	3489577	972875.3	4879560	4218291	4102260	3654020
9.920517	11	5	5	6120841	36773314	5208290	28718085	13027395	36216807	28636793	36731872	39753959
9.554967	11	5	4	11172536	19597041	11646325	45891102	43444618	20180270	5106400	14278908	21491801
9.43325	6	2	4	1721978	11362320	7107867	6699895	4341838	18509043	2276984	14838399	15847305
9.856867	10	5	5	51843412	3.17E+08	43686354	2.59E+08	92349212	3.29E+08	3.15E+08	2.45E+08	3.39E+08
40.1365	7	3	2	349911.5	5560410	1255495	4249374	1983361	5122710	6172223	5503114	3809507
10.9645	6	4	2	192911.6	556884.7	135159.8	402169.2	239703.2	728184.7	643389.2	505848.2	375191.1
9.992233	7	4	3	432811.3	1183493	386247.3	693636.7	773950.5	1397678	1670541	890549.6	710562.9
10.29457	5	4	1	165791.6	315634.3	91123.28	392437.9	105344	259848.8	238102.4	446839	258066.1
24.675	8	4	4	90752.8	276370.6	135524	395558.3	167968.5	390260.1	287848.3	221663	75397.86
9.507167	8	5	3	432086	772722.6	296847.8	1385309	1010009	920367.1	678982.3	511179.1	536008.5



21.56017	7	3	4	109252.6	368129.6	151781.6	269141.9	90687.01	473342.7	460736.1	500966.5	212611.7
17.91867	3	0	3	148034.1	295636.2	28936.87	568653.2	457922.8	296249.9	284257.6	339735.4	297932.3
18.04183	3	3	0	103549.9	392189.7	266104.4	232648.2	49754.65	840383.4	231676.1	252963.6	203505.7
10.9645	6	4	2	1161262	1396021	1123878	2593952	1826234	967882.9	1080773	648975.2	3386419
9.55155	10	5	5	985000.7	2659812	572161.2	2026634	974841.9	2579685	3200760	1866651	2422187
9.445217	14	5	5	1845285	13045050	3668864	9998517	4144870	16590412	16158363	14083943	9857463
42.1065	4	1	3	279490.5	3446744	915484.4	2859820	501415.8	5078374	3101443	3119415	3012043
10.008	10	5	5	1894516	2182167	1117956	3600754	2245652	2728814	3814594	1929770	1459570
9.40325	7	2	4	2452421	18483716	13835725	8327004	12214016	29619860	3381077	3365380	29235727
10.94443	5	3	2	287494.7	377687	234639.4	540205.9	177112.5	201500	724812.8	446186.6	390871.6
10.22237	3	0	3	3385035	79878.4	45647.88	10263275	17110319	42803.72	69878.21	50626.47	78723.79
9.40325	5	2	3	401922.5	2331673	809656	1734232	724073.4	3174972	3013034	2438055	1745615
24.841	8	4	4	5904591	1.47E+08	64834949	2.5E+08	1.67E+08	95407600	1.63E+08	2.51E+08	92778568
42.20817	5	1	3	372867.4	5962927	1789578	4673214	1511592	9164038	5176583	5130107	5167159
9.864767	7	5	2	1236699	6043273	1176222	5043597	1384786	4246160	5600686	6251051	7037180
27.26983	10	5	5	502895.8	2015885	1737572	976487.8	319006.4	914878.2	1180208	1265625	1628267
9.979667	7	3	3	2733032	3992696	2691484	9381237	8898469	8457334	2220664	3188793	1730504
9.994767	8	5	3	727087.3	771057.3	401067.1	1463513	1134368	889929.6	1392488	551796.1	338352.8
10.11545	4	3	1	156932.6	339770.5	127137.3	236686.3	138173.3	348427.5	552381.3	298535.6	222633.4
9.5021	10	5	5	2155156	6376780	918335.1	5100888	2050569	7257912	7469513	5982265	5580869
43.41633	5	1	3	294512.9	3392468	1148288	4670398	1976761	3591997	1373639	4191239	3904243
9.392767	10	5	5	1299016	3321150	699972.9	2623603	1045438	4323028	2980616	2499030	3126476
9.582167	3	3	0	149122.2	349333.2	128829.5	203608.9	226425.4	463074.9	454429.9	145646.1	361787.6
9.929783	5	3	2	908901.7	2083020	196691	1549558	890525.8	2388309	2060016	1932923	2138895
41.086	4	1	3	287973.2	3723116	1694686	2704498	433072.7	2807356	6740329	3144229	3122214
44.98333	8	3	3	373097.1	1900228	420113.7	4758070	4810034	2290503	2272346	2005892	1349430
10.49953	9	4	5	289944.6	955491.4	181916.2	824057	155703.4	1169302	700558.8	1070184	972594.8
10.008	6	3	2	1127380	1389252	771223.5	4905800	5913680	738641	754993.7	2302329	2145560
10.48497	7	3	4	177328.4	678493.8	298838.1	493830.8	127471.2	518453.6	1063090	933307.2	394865.1
9.920517	10	5	5	1593734	9002984	905280	7079346	3193320	9440926	8673159	7914267	8683514
9.976317	7	4	2	1240155	1106868	235600.4	1839683	1228277	1274073	1134121	1248811	1180122
32.15733	8	5	3	374823.5	271501.5	96337.9	1095783	1390057	386937.9	311285.8	145290.9	202840.7
9.830833	8	4	4	1232887	2267829	797451.7	3425435	1875734	2383654	931362.4	2903923	2850529
10.5972	6	2	4	1541861	409600.4	210356.8	4209675	6416253	595160.2	205149.9	159121	514727.4
9.398583	5	2	3	372692.9	1617035	913305.4	963700	765408.1	2666241	1785372	2276941	747055.7

9.43325	5	4	1	862423	3262151	1321040	2253145	1287609	4025131	4714946	3639264	2591840
10.55887	3	3	0	1694597	308801.6	127204.9	2162559	3130552	155774.8	436263.1	444249.1	235452.9
9.445217	10	4	4	1894135	6895928	2149930	4689715	3351097	4657152	6166336	5699571	7786521
12.4996	10	5	5	150238	858647.6	199552	656432.5	306005.5	1021084	890495	689606.6	619100.2
10.008	5	3	2	1069340	784624.3	212074.7	1121919	551757.3	508545.7	883100.8	608630.3	977181.3
9.888767	10	5	5	12683750	86848071	7990917	73539430	21848991	88729921	80432733	77373972	90471311
9.853633	9	5	4	2008517	10688055	2549799	8998265	1684620	10503723	9870846	6981053	12553939
15.5695	10	5	5	290235.5	2434597	467516.4	2097603	400595.9	2164441	2905749	1836849	2365290
23.98183	3	3	0	18242610	1.36E+08	62469198	96447654	31136318	2.1E+08	1.9E+08	1.19E+08	63947236
9.55155	8	5	3	329022.6	720515.2	59720.52	502974.3	366110.1	690729.4	686962.6	670630.6	736169.7
9.928667	6	3	3	1051096	2181546	329055	1897053	401651.5	2562811	2339602	2328081	1893815
9.842	9	5	4	1624676	7627871	341691.4	6213696	2383407	8084558	7527717	7795796	7568978
16.694	8	5	3	50396.87	107699.4	39867.42	142257.2	48906.28	173760.8	108081.2	102598.7	83583.36
28.28817	10	5	5	1188656	6887345	1887860	5459935	1808121	7452199	9282556	4740422	5204042
9.94455	10	5	5	5902469	22063687	2591123	19905508	2977719	25983201	23006733	21385898	19138175
9.976317	10	5	5	600510.2	1848614	348270.4	1509526	506883.6	2277296	1858220	2100242	1503684
9.967367	5	2	3	777958.9	719256.9	434634.1	1312165	956115.8	1393873	231982	491647.3	667051.1
10.97928	4	1	3	3.3E+08	1.52E+09	8.72E+08	7.69E+08	1.05E+09	2.02E+09	1174017	1.62E+09	1.8E+09
20.27433	11	5	5	448739.6	2699975	515047.7	2312402	488634.8	3101475	3103579	1950040	2378218
9.421167	12	5	4	1248693	11210429	3858991	8829069	1680645	7672401	11341015	12063266	7848647
7.633617	8	5	3	462027.3	3975816	833148.7	2895580	1730560	4947433	3834350	2885007	3563624
9.918833	6	3	3	1288218	3354807	1759385	2272775	740682.3	6256824	2384047	2032550	3786465
9.914217	10	5	5	868039.1	3778984	834941	4744402	1515896	4321550	3591971	4575771	3964501
10.63232	6	5	1	1866745	2952739	4026822	574948.5	100942.7	836285.6	402180.5	3598971	199962.2
9.920517	5	2	3	790228.6	2646266	671345.1	2150284	612233.2	2636302	2418191	1901461	3734753
23.04483	10	5	5	103465.1	493521.7	221949.2	360625.1	58932.31	399415.6	804483.5	643963	336392.1
9.479567	12	4	5	914390.8	5000919	2518156	3061461	2510357	8142391	1137450	5651119	4768621
9.949233	6	3	3	1128803	1335234	277432.4	1907260	952318.2	1680266	1032111	1513516	1082104
9.554967	7	5	2	313016.9	547367.9	108747	392934.4	250497.8	512013.6	738508.7	526098.3	477016.7
9.445217	14	5	5	1680660	11155932	3544894	8419967	3550817	14781103	13669575	12133384	9102597
9.992233	9	5	4	855147.4	2844888	827928.3	2160386	941488.5	2629293	2364167	2489842	2425700
9.920517	10	5	5	6269910	14875522	2163815	12158916	4334787	18351789	14660276	12680078	13564942
9.986767	10	5	4	2600718	5994710	808884	4748573	2038482	6353968	4845173	5486054	6823517
9.864767	10	5	5	2627236	11984386	4168847	8941607	3701016	10727777	9736546	8684081	19184191
43.93383	8	4	3	318934.4	3276146	1501244	6514097	5402621	4846874	3462434	778581.7	3623898

10.9645	9	5	4	1719943	800269.4	280445.4	3018561	3756758	959584.8	652667.9	1141932	833651.9
9.824233	3	0	3	1095624	1059428	684729.7	2204889	1886692	1517777	0	1730672	1236380
9.40615	6	4	2	689268.9	1967273	752746.1	1257832	1049232	3043497	1020258	1553768	2111964
9.554967	13	4	5	3229098	15726042	9248647	9857548	5019269	14584632	17990962	26975721	1396536
18.9675	7	5	2	98400.25	231219.7	76669.72	181146.8	48175.81	281070.3	290201.1	110556.4	198928.8
10.97857	8	4	4	639654.1	1617161	560556.3	2231234	953772.7	1786576	2484680	1065826	1210456
9.392767	9	5	4	1003216	2306392	687619.7	1659867	955477.2	2785746	2675476	1480912	1645451
10.13878	7	3	4	320557.2	865186.7	228881	664991.6	285709.9	770164.5	555795	1127384	822423.7
14.82345	9	4	5	75255.88	482048.8	148940	332415.8	226864.8	635999.7	500429.8	237106.4	486254.3
9.392767	4	4	0	661066	2230202	1504992	3235086	1035752	1471567	1867693	4874368	1151157
10.93468	6	4	2	140882.4	339271.8	93261.27	459834.2	193539.1	338500.9	457497.5	403784.6	255171.9
9.976317	4	3	1	333752.2	537604	196107.2	286148.2	403193.7	674533.6	780806.6	489013.2	275360.8
9.40255	6	3	2	1953628	3222556	1139174	4972585	2867328	3289226	3554254	2042659	2313542
10.14725	10	5	5	413993.9	3404681	900921.4	2704246	918641.6	4371249	3511326	4052214	2096409
24.05483	5	2	3	75467.49	101945.5	70425.12	180441.3	122632.6	32296.68	101056.3	144820.7	35882.67
10.02372	5	4	1	816923.9	572443.2	185862.7	1208282	1073592	482561	510876.4	354224.6	829262.9
9.392767	10	5	5	1559104	5251009	2330721	3767424	1298977	5404262	3625427	3037636	5173986
42.5675	10	2	3	266229.2	3087724	1058636	2448844	358573.1	2781546	4919213	2650115	2189122
9.346	5	2	3	298127.6	1938715	951397.7	1256536	813234.5	1699333	863772.9	3010754	2843825
10.64708	5	2	3	168543.6	1094061	132606.2	1289105	318572	1245068	993292.7	1158396	921280.5
10.53828	8	5	3	139018.7	372499.6	173303	550945.2	273231.5	662098.2	279030.4	330868	378508.9
40.02133	7	3	3	335676	5160508	1355007	4287314	809525.4	5042349	5237526	3931530	7377859
9.976317	9	5	4	3423401	1968765	568184.6	4586649	4436829	2459690	1583089	2599217	1942591
9.447733	10	3	5	758529.3	7056104	1083826	5898451	1791924	7907385	5587937	7668269	6208826
17.998	3	3	0	68135.56	191137.5	90797.74	249969.6	55696.3	150630.3	321703.8	104274.9	131494.7
10.9645	10	5	5	33885044	2.57E+08	26509626	2.33E+08	34879006	2.74E+08	2.77E+08	2.29E+08	2.26E+08
10.02372	10	5	5	491637.3	1053674	378193.5	1451580	613740	943514.1	1419376	831131.2	603482.7
27.863	4	1	3	74737.91	291991.1	22532.45	217989.3	125113.2	279338.9	299713.1	259518.9	305343
10.50412	4	0	4	1777099	114138.6	71004.11	4436982	7353901	224448.6	133656	34532.89	92103.76
16.14043	3	0	3	10493019	1539961	193874.9	36240963	59036534	1705840	1444279	1619736	1684141
9.43325	9	5	2	3426702	21948301	7362679	26946596	5410943	18856787	30670138	27391648	20898404
9.928667	10	5	5	1712573	3773465	264352.5	3040830	1236028	4212283	3600869	3570358	3658440
9.445217	9	5	4	430683.9	1988881	674181.6	1392085	861701.3	2768935	922248.1	2122125	2211122
9.522017	10	5	4	599326	2416210	443580	3299448	1475619	2521586	2392403	2152635	1920124
10.2666	5	3	2	308756.6	491966.6	99530.66	672641.5	300462.2	558763.3	460422.9	330871.9	542658.9

9.3735	5	2	3	824063.1	3459506	1532078	2208194	1718825	1925360	1800998	5263760	4334861
9.6501	5	3	2	631705.4	1892353	476515.8	1404680	747119.5	1797263	1743747	2247936	2446510
10.94443	3	0	3	131730.8	370509.8	124547.1	477082.6	151035.5	358086.9	581097.5	255940.8	350232.5
11.92417	5	4	1	83699.11	307333.9	211923.8	432348.3	32940.08	106494.5	574420.2	244090.5	484677
37.17283	10	3	3	314353.9	5730347	2490716	4254108	548152.7	5744970	4712649	4175901	10016763
13.43408	7	5	2	263749.2	3684478	376383	2867447	1370345	4122870	3495644	3261972	3501373
24.08817	3	0	3	17563272	272313.3	169383.5	46510328	78771804	423183	159001.4	141008.8	149588.8
10.9645	7	5	2	462340.9	1274967	361570.3	999893.5	355280.6	1545818	1687184	1266681	776462
9.348233	5	2	3	652184.5	949325	668529.3	500512.1	475398.5	873672	1879704	923462.2	1069787
9.445217	12	5	5	7148847	72047750	23311910	57803336	9756292	55018947	66235354	69674218	57028211
10.57323	10	5	5	515017.6	1912769	580056.9	1500556	488025.4	1533536	2710843	2349781	1421987
9.842	8	4	4	537175.9	1550867	400622.5	1117732	674456.9	1760883	1811820	1182902	1058294
9.960467	9	5	4	1317908	2823406	768464.6	2059426	1160499	3975557	2625820	2196398	2135760
10.99268	8	5	3	219258.2	680033.7	233564.4	858259.6	231111.1	530573	935992.3	678348.5	377767.1
44.9835	10	2	4	322771.9	3020889	1104981	2233614	936556.2	2271494	2274971	3444940	4783779
9.845483	9	5	4	1671492	7951742	1047650	7162621	1009268	8389282	8135017	6410948	7584680
23.906	6	4	2	41575.33	127964	41834.56	159051.8	39154.48	141219.7	155326.7	175092.1	82462.87
9.419733	8	4	4	915458.8	7136766	3332550	4891192	2404688	11952373	5089285	8728648	6538277
9.857683	10	5	5	5653920	12905729	3388634	10527903	2761097	16641815	16452269	10592909	9499835
10.94208	6	3	3	242340.9	513455.3	119485.2	657002.6	228825.8	650512.3	632874.3	460600.9	428027.5
9.508883	15	5	5	3334014	23433370	4823073	18701633	7161692	20308612	29083755	28255508	19014727
9.960467	5	4	1	9737165	3873024	5923889	11861492	12968569	1450734	1143978	1375980	930731.9
9.63045	10	5	5	1566396	5394995	1843558	4087763	1546533	5966253	5817677	3897621	7961985
9.872883	6	3	3	1477079	2371816	777660.3	3725696	2250668	2197366	1193605	2355290	2879213
10.008	7	3	4	519262.5	467365	374566.6	922123.6	726873.2	624476.4	960427.9	568133.4	117329.9
11.88527	5	1	4	59874.59	83555.47	63603.04	160791	123482.9	28646.28	43770.23	59351.52	187328.8
9.421167	9	3	5	2065996	13844672	8841984	8565700	2639660	13547156	10952441	5546545	28792539
9.41815	6	3	2	369013.4	1797111	499850.8	1302737	751297.5	1306571	2063604	2375320	1238773
10.04377	10	5	5	1010189	2523606	999827.7	1875327	625992.2	3970858	3119167	1780272	1597714
5.485267	6	3	2	1382309	16484769	9729238	24296235	10636207	20602043	24773324	21186155	39749.96
26.898	6	2	4	61836.82	239221.8	41306.25	178932.9	98910.87	284412.8	255489	175915.3	256092.1
9.616167	7	3	4	270999.3	1322100	254043.1	960844.7	591103.7	1358989	1715711	1337884	1067118
25.341	3	3	0	571788.4	574020.7	933171.1	27538.01	40617.3	2220879	411966.8	101809.5	0
9.3919	5	4	1	1431675	4314284	2179672	7369176	4991103	5907828	2855872	3465439	7255933
9.541433	7	4	3	305639	670058.7	136499	477764.2	314438.5	742933.7	700106.1	459699.4	628142.4

9.872883	10	5	5	6811527	23565173	6447181	32795792	15121199	25518615	26406753	28641672	24949213
9.848417	7	3	4	4102173	8153022	8915029	2925130	939071.1	3228413	6592567	3458812	3576526
9.45945	13	5	5	24426260	2.17E+08	83206663	1.66E+08	34391608	1.48E+08	2.15E+08	2.24E+08	1.47E+08
9.664033	4	3	1	470807.4	508457.7	211244.2	370967.1	135064.2	360801.6	413938.2	409357	878726.2
8.97505	10	5	5	924592.2	3911406	1077621	2985342	1323036	4750704	4947799	4256334	3176583
9.856867	9	5	4	968740.5	3457119	1578638	2463632	853652.5	3396915	2413804	2784033	6195430
9.960467	5	3	2	3306569	6762891	4264154	9876879	3860528	3236924	4948170	5510436	5954404
9.94405	7	4	2	1692530	3536523	1160828	5058965	2468451	2741461	3210074	3525608	5518731
24.17483	6	2	4	1422001	9020266	1631774	10346871	1827513	11063156	9666636	8304831	6691766
10.97857	10	5	5	2646794	18739480	4886171	15724125	2310137	16868314	17286299	14669271	27231513
9.856867	10	5	5	2950794	14366819	1778604	11151041	5369940	13273197	12367863	13821530	15662526
9.374083	5	2	3	699726.6	3519041	1458246	2638028	554950.3	5775136	2072703	2461750	3346529
9.419733	14	5	5	1018548	7571646	1527171	6382993	1580460	5883529	8703871	9140436	6010861
10.9645	5	4	1	415452.8	944237.9	477474.4	593104.6	439513.7	1174310	1534201	1100905	524511.2
9.8322	9	5	4	1338648	4110127	1035203	3091295	1549142	4795873	5186950	3109711	2902760
42.63967	7	2	3	471864	7909025	3990438	10332668	1626739	866204.7	10232748	10097341	9766963
17.074	3	0	3	4785073	689539.9	107487.8	13051287	21151032	597002.7	854352.9	636914.6	618373.1
10.2456	7	4	3	216825	597268.9	144277.6	490063.1	136085.4	552800.9	478724.1	827230.7	485979.6
10.97242	4	1	3	160437.1	184945.6	74636.37	402374.9	369169.9	220857.6	220771.3	262844.4	145094.7
22.92883	10	5	5	16100702	1.79E+08	10560708	1.65E+08	22442686	1.87E+08	1.93E+08	1.72E+08	1.74E+08
9.864767	10	5	5	5094463	34610626	3896151	27948122	11099242	33082353	30436260	32954381	35930058
9.932033	10	5	5	880669.3	3367318	855290.7	2718698	842185.6	4455396	3410368	2256118	2854683
9.333267	4	3	1	1340631	4423619	3754483	7952717	5282441	1925994	1316735	1818159	8486926
25.10217	4	1	3	14152856	2083836	1118421	37527618	60691147	2540061	84444.94	2581454	2648722
10.95055	6	3	3	267208.8	730298.6	148436.2	530718.7	325308.2	818358.3	778097.1	613665.8	541373.2
9.992233	8	5	3	358994.5	1101453	221078.6	843995.2	410208.8	1144349	1038533	1444171	1040561
9.445217	14	5	5	3730981	25735388	7301401	20055170	7576868	33556072	30719173	27870359	20620355
9.960467	6	4	2	1413458	1547858	427878.2	2189112	1058617	1817604	1446611	1904434	1723673
9.976317	7	4	3	3184501	2413675	2469244	6074725	6039944	1482716	1232902	1554018	986110
11.8026	8	4	4	61979.67	160128.9	50322.33	199699.7	53331.5	129630	104807.8	150942.7	179871.8
9.94455	10	5	5	14563338	53092175	5713900	47908170	7652372	61990869	54530944	52026414	46840817
25.17083	6	4	2	1282048	3290576	4626796	588971	369306.7	11251596	3489769	597769.1	473324.1
24.359	5	4	1	501165.1	793872.9	1207157	89204.81	88183.55	2878259	814907.3	102337.7	31958.29
10.94443	5	1	4	283246.2	316059.8	307131.6	551967.5	311367.4	335899.1	838342.2	81337.2	132319.4
10.03947	9	5	4	261216.4	1029076	248064.5	809198.1	321022.7	781385.8	1411129	845048.3	1010723

9.43325	6	3	3	435351	1750384	642615.2	1261597	639168.2	1942803	2767812	1204613	1593367
10.70568	10	5	5	300765.5	646950.5	246165.5	478728.1	189057.5	608606	1018782	655665	624230.4
9.8322	9	5	4	601066.8	2104174	570631	1530946	881025.2	1960784	1205527	2178764	2567732
12.2663	6	3	3	109601	407745	108511.5	293110.1	178846	507824.1	383571.6	239472.2	498184.8
9.4098	3	3	0	1321562	4273760	3659611	6424579	756671.3	8753330	2048584	705986.3	7665550
16.57823	3	0	3	6181496	44662.15	39195.58	18061948	30918158	24407.47	53873.02	21947.33	13769.64
9.40615	12	5	4	4053325	40195021	9745950	32586630	10206618	53287316	36784756	47473850	31913780
9.8322	9	5	4	1619621	7525863	316684.1	6931162	998874.4	8018984	7525096	7539173	7395429
9.858833	10	5	5	2207743	8432185	2477071	6414313	2801920	7361140	7521711	5461292	11768051
40.0645	3	3	0	313969.8	2230999	794800.6	2695254	95511.03	1007562	2844189	2618562	2831744
20.85467	3	0	3	14817783	69166.23	35219.71	45457759	77917012	90632.19	46316.86	48605.78	39423.72
10.08538	6	3	3	991705.7	2458018	871650.4	1852173	704327.7	2392437	2094636	2055703	3968048
9.616167	10	5	5	6567792	21783801	4614484	17488953	6425710	25555651	27885119	18945151	17588031
10.008	10	5	5	1922447	5742065	1889053	7200765	1940564	4113674	8958460	5022178	4870872
41.273	5	3	2	368576.1	5103025	195720.8	6135183	1768864	4941170	4917854	5282317	5034365
21.0655	9	4	5	430646.8	2210690	592488.9	1836152	337568.3	2081254	3243910	2075603	1770756
8.9536	3	3	0	161802.2	433592.2	290303	255081.3	138555.2	399552.3	474110.9	153071.2	900811
22.50883	9	5	4	282997.2	1711110	453335.6	1394432	372112.2	1144712	1531155	1757428	1728190
10.98605	4	3	1	138814.4	261260.1	119326.6	346561.9	103907	236880.4	356162.3	97419.17	218040.2
12.5159	10	5	5	203257.3	1160467	246703.8	914978.7	377090.1	1326065	1293113	831887.4	963491.3
10.9645	9	5	4	484502.1	1177846	177358.6	1773151	1017457	1218381	1440780	1116884	951889.5
9.992233	15	5	4	930033.6	2982180	1197640	2061173	1222456	3939402	893842	3477138	3220883
20.53433	3	0	3	4188018	29801.53	28582.25	17548455	30122386	29572.9	20566.77	11606.24	8496.29
9.967367	9	5	4	2152949	6587411	2410804	5093010	1227723	7899015	6315231	3571176	5295252
29.43883	3	0	3	15474106	318940.5	244392.3	41234925	70370635	599808.6	148961.8	211575.4	72640.8
10.97242	10	5	5	482636.4	2449962	326407.1	2108320	533276.2	2737391	2376546	2125632	2168309
10.95055	10	5	5	992393.5	6201604	1737521	5007569	1368197	7889526	7456581	4316882	4342136
10.9645	6	3	3	586388.9	1624209	543488	1210977	543760	2302122	1982459	1034706	1130377
10.28787	5	4	1	270895.4	814267.6	392282.3	579159.8	146900.1	329582.3	1245491	866448.3	1124702
10.9645	11	5	5	1890723	12754586	1504110	11484768	1815255	13181800	13864300	10433889	12160919
9.419733	7	4	3	1157374	6673465	1642881	5178484	2223662	7727982	7971553	7742609	4254799
9.848417	10	5	5	5281261	24488551	588473	20949801	6085810	25031734	23600136	24783004	24840191
9.3332	4	4	0	3767221	3140641	2533930	16168806	22397372	1422319	1054760	2569052	3269512
9.845483	9	4	5	1036226	5213390	1220221	3981197	1907783	6844634	3894909	4111399	5484343
9.677883	4	3	1	313537.2	353093.2	87905.82	280921.8	101436.1	253380.9	294218.6	481386.2	385313.5

9.914217	7	3	4	1405670	4220707	1392833	5369382	1619416	4348775	5519891	2451816	5589089
9.842	10	5	5	1230151	7043368	769535.6	5933185	1837288	7592873	7445567	6107146	6318553
10.47023	5	2	3	166235.4	313573.7	45376.98	407208.3	158686.7	394013.1	297502	282954.7	297183.8
9.848417	9	5	4	3563467	13351627	3042081	16510402	4933528	12977129	14369770	11452353	17944579
9.445217	14	5	5	2703699	17614247	5074678	13887471	4737286	22230022	22087500	18862490	14276780
7.455967	7	3	3	759361.4	29613001	24067568	15068091	10147308	25238155	23562501	71240037	18576185
24.783	9	5	4	165980.2	777876.1	318691.1	439200.3	532644.9	851434	967244.8	275572.9	1102535
43.0855	5	0	3	351607.1	3813196	306581.8	4958332	1966270	3774426	4301403	3877447	3551137
9.992233	9	5	4	770703.8	2515663	673316.4	1927576	859164.3	2972488	3337706	2586389	1759393
9.842	5	2	3	1373833	1330350	525815.7	3143470	3110929	1069427	1031248	1184395	1101153
9.986767	5	2	3	328167.8	594537.5	226228.8	456015.4	107744	387502.2	421619.8	947433.5	548685.3
10.008	9	5	4	1637398	1270856	397074.1	1831761	927152.5	1327175	1698429	1015887	735995.8
9.092333	10	5	5	1160065	4160101	340281.3	3677529	798015.7	4267738	4393118	3789051	4535260
10.99152	10	5	5	1669172	1312004	205655.2	3492243	3760418	1142469	1629439	1362583	1306076
9.46265	8	5	3	402767.5	2595743	1025934	1787052	1104396	2510747	1432011	2063461	2786483
10.93618	8	3	4	141312.4	321450.4	121569	423067.4	144798.1	463478.3	413465.5	165909.7	242179.3
9.43325	13	5	5	1931190	16289305	4853654	13209959	2882340	22170321	17680535	18901159	12357322
9.8445	10	5	5	1524958	6364213	2348235	4796697	1707440	5846994	4682084	4177237	10066839
10.03658	4	1	3	7.48E+08	3.34E+09	2.16E+09	1.65E+09	2.28E+09	4.88E+09	2.26E+09	4.75E+09	4.79E+09
10.02372	8	5	3	266336	927890.3	161892.6	710254.6	357956.6	846438.8	897388	913838	779782.2
13.24403	10	5	5	3124020	27820153	3714512	25153699	3304355	32875263	30445630	24202886	24950873
11.97977	9	4	5	161488.4	752425.6	137970.4	542088.2	350713.6	940711.2	689460.5	593727.1	695003.4
21.91383	3	0	3	3074798	8013.33	8170.49	7954810	13728765	19275.24	10853.22	0	0
9.903567	9	5	4	9775370	5345241	1881479	20127563	25513574	6676207	4294698	7728128	5028471
9.45945	9	4	4	712301.6	4076410	1737960	2737526	1795949	3725519	6160043	5497918	1941592
9.94455	10	5	5	7262426	30117363	5039326	24514651	8926581	36110354	33067264	25209739	24582989
10.9645	10	5	5	917641.3	4177307	284174.1	3701518	799373.6	4246261	4551816	3922944	3864322
10.78937	9	4	5	255785.1	530579.8	309590.9	341433.3	146574.7	987319	626430.1	405806.6	145636
11.92472	7	4	3	82086.34	253590.1	38715.73	294168.8	63724.55	273707.7	260294.4	245174.6	295893.1
9.999217	11	5	5	1064483	5717094	899642.9	4360581	2260548	5057807	4975516	5881835	5480262
9.9014	10	5	5	1812430	6239663	2312315	7794210	1726266	5032640	4871082	3880134	8312168
19.11217	9	5	4	1748340	11737113	2453116	9353035	3658056	15545905	9688686	9736724	11039260
9.859983	8	4	4	2326607	11527664	3195188	9336915	2530640	13267860	5844001	13193650	12405987
9.55155	11	5	4	615149.8	862106.9	253616.1	1576624	1225034	745729	1126378	678550.5	615767.6
8.8977	8	5	3	833125	1841907	1388858	997907.7	631799.4	662163.5	2033431	1404971	4148346

9.45945	11	5	5	9286724	43675899	30146893	72415000	43807630	11100902	26469396	29382231	78955714
43.22917	10	3	2	346448.4	3270298	1568120	2111693	1492601	4674254	1602117	1529170	4414103
9.447733	9	3	5	898652.1	7509186	2547487	5587071	2533356	9426185	3214096	7166580	8775702
44.8685	7	3	4	101738.2	610186.6	164103.2	729107	149798.5	670430.4	829623.7	408965.7	492313.1
9.93625	4	1	3	3132818	6122537	5402679	2667874	3365499	13912054	1121490	843554.8	7591099
10.94443	10	5	5	962508	1885454	754283.9	2782357	1451348	1512008	3155042	1895466	1193836
9.609367	9	5	4	745725.2	2279800	676559.4	1822818	514403.7	2781065	3198621	1830609	1617800
44.71033	10	5	5	1716569	24872806	429300.5	24413190	727195.9	25060452	25246847	24153432	25078432
9.129317	3	3	0	251908.3	727374.1	958199.8	172797.1	95602.81	436454.7	455513.5	246099.8	2419315
10.21867	3	0	3	3128908	89249.74	43277.45	8593111	14722736	127109.2	50740.7	56091.6	68045.07
10.97857	9	4	5	585316.9	2551969	559097	2090708	654922.2	2850819	3189787	2647631	2361560
22.18217	6	3	3	108709.7	548911.5	321679.4	336515.9	227501.6	392961.2	1069875	282737.2	353797.7
9.979667	9	4	4	819588.4	1713933	495631.3	2154945	653851.3	1722649	1394796	1189908	2490269
10.008	9	5	4	583876.4	933112.5	411390.1	1297129	538338.5	1021335	1559701	935983.2	476726.8
9.872917	6	3	3	1154069	3692070	1933361	2163432	2105450	1880010	1338349	5547871	4936428
40.12233	5	2	3	389072.6	5488771	594576.5	4876316	959730.9	5551369	5553244	4530740	6171589
9.912633	11	5	5	1486664	2981930	948202.5	5603057	4500465	2549063	4454903	3364645	2069713
13.77065	5	3	0	367321.6	4328065	1591235	6029751	2693981	2855628	5491622	6275172	2650737
26.17283	3	0	3	5951891	677718.4	95690.25	17475221	29097999	514731.7	763887.5	696325.8	689556.5
9.932033	10	5	5	1810971	5252085	960852.8	4533670	940183.6	6705160	5534299	5232153	4517407
10.99268	3	3	0	298046.3	560852.1	158292.4	409358.8	231789.9	645117.5	486754.2	416053.6	797881.2
43.43067	6	2	3	214992.8	2229857	413650.9	2926913	1175026	2394147	2344812	2261102	2620066
9.43325	8	3	3	385548.6	2243868	643943.8	1733852	704462.4	3063528	2021778	2629510	2143039
9.970617	9	5	4	1471395	1811543	655206.6	2266931	542536.2	2577532	1408573	2050787	2114340
44.006	6	2	3	377664.6	3932322	298327.9	4464455	900834.7	3432501	3917576	4185068	4125699
9.43325	6	2	4	13816060	72166612	37255620	46234549	31007547	1.06E+08	21595072	1.02E+08	87080598
9.842	10	5	5	6082522	39486882	3744363	37232798	1606045	38857850	34959096	37433388	41515115
9.856867	9	4	5	1124868	5324531	877907	4346573	1566054	5852151	5056300	4126467	5139406
9.872917	9	5	4	3502437	13893178	2194253	15543137	2178498	15687872	11819110	11195120	15491946
10.94443	3	0	3	341945.8	197437.7	221967.7	881886.5	1179396	0	474368.1	0	123238.5
9.91765	7	4	3	967556.2	2017055	571021.9	1302850	1168858	2763107	2393612	1338262	1642456
9.859983	9	5	4	871195.8	4202190	657434.3	3240054	1606037	3999163	3256697	4187080	4542704
9.994767	9	5	4	748396.1	881376.4	453582.6	1386586	809476.1	1140199	1355924	1115726	459174.2
9.848417	10	5	5	1570679	6408666	959183.2	5193579	1993193	6504136	5079674	7234440	7367446
9.992233	10	5	5	769220	2871555	291285.1	2417625	762132.7	2935062	2464626	3131610	2691133



9.40615	6	2	3	1593640	5589559	3031894	3658704	1878570	5289085	2893023	3787773	10695179
21.55233	5	2	3	743037.2	806131.1	431014.6	1786297	1678800	556888.7	1531242	489560.7	581082.7
9.912633	10	5	5	3.18E+08	3.61E+09	3.04E+08	3.23E+09	6.1E+08	3.78E+09	3.45E+09	3.28E+09	3.47E+09
11.77342	5	1	4	1901897	232489.2	63983.82	3318601	5359065	148572.7	272961.4	257409.2	183001.3
28.01083	5	3	2	113703.3	393590.8	255181.6	643615.3	386931.4	803877.6	251594.3	130597.3	428310
9.4468	8	4	4	344511.9	1346571	992047.3	740919.5	484266.6	1315904	2885915	188266.8	885848.7
26.83917	5	1	4	202755.5	1314694	911046.1	741296	534810	567593.4	1764067	164289.1	1732211
10.94443	8	4	4	210121.7	510272.3	143564.3	823699.2	536282.7	507085.8	756916	445879.8	447396.5
10.9645	9	5	4	626872.9	2959242	541819.4	2294758	1085342	3134933	3440272	2280498	2495341
3.643383	8	3	5	157140.6	2764253	2063638	4176204	1645371	0	3215480	5620105	3158603
9.392767	10	5	5	3170336	9175277	4455306	6174764	3394467	11106671	5014423	4451104	10216757
10.97857	5	3	2	160702.7	525067.9	126992.2	387344.9	219587.2	396541.1	709230.2	598503.1	473775.9
12.9528	8	4	2	310184.1	2232988	964222.4	3504987	2100949	1209729	1810279	2043097	3798942
9.684583	6	2	4	2080297	950529.8	243055.9	4644512	6417835	570751.9	909292.1	1162360	1163800
9.94405	8	3	4	2314734	4605651	611422.1	3751262	1421252	5661017	4235299	4351537	4181659
9.929783	5	3	2	944201.2	1954374	200783.5	1472754	827125.8	2064731	1934235	2032582	1616811
9.842	9	5	4	5425658	23302629	3559422	19162279	6706069	21739698	22032361	18844499	26661105
9.0035	4	1	3	119116.7	218221.5	96348.98	133710.9	125100.7	243352.3	314650.9	267724.2	203825.4
9.032133	6	3	3	288528.9	708725.1	305695.2	489902.5	273952.8	865554.4	702666.2	959904.7	828135
44.22167	7	3	2	172491	1094709	725024.2	1657392	768060.6	1052599	2278628	522395.3	486311.7
9.864767	10	5	5	51052612	2.26E+08	51786450	1.83E+08	61275652	2.24E+08	1.63E+08	1.94E+08	2.48E+08
9.976317	9	5	4	631919.3	1079863	306439	804066.8	413517	1238076	1439773	1203080	769506.1
28.272	10	5	5	193827.2	1365223	345535	1135498	253561.1	1646450	1786953	1181048	944362.4
9.4468	11	5	5	1170171	8444526	2934359	5688301	4208907	8868097	12506887	9654416	5403440
10.94443	8	4	4	330861.7	547634.8	171296.5	1163013	1065179	544829.1	747879.8	609149.4	276822.3
12.98207	10	5	5	412415.3	3592515	496401	2706609	1504826	4332006	3084840	3276896	3436995
9.844033	8	4	4	1245872	4325636	1335510	5121400	528219.6	5129343	3031046	5499710	5249071
9.536783	11	5	4	1639583	5211999	2519231	7416969	3265729	9400737	4879571	2941431	3607557
10.47137	5	2	3	255878.6	1233016	465834.6	950423	220528.6	1285779	1843864	1423969	593031.5
9.912633	9	4	4	4474915	3015583	875555.3	7959258	8591505	1925515	2217228	3630150	3813323
20.31717	8	4	4	144018.6	478831.9	200251.2	334035.8	184333.8	611443.2	721054.4	281132.8	511449
9.488133	8	4	3	782904.4	3772414	1817575	2663196	904488.1	3089123	6106689	1633620	5157628
10.0118	5	3	1	1.71E+09	4.04E+09	5.5E+09	7.81E+09	4.47E+09	1.06E+10	36204596	29209908	9.49E+09
9.960817	10	5	5	1461519	4751433	988352.9	3977975	1067737	6393942	3812399	4363235	4341458
19.05283	5	3	2	5186182	42361884	7915811	34462802	12356459	53421489	35201199	35406312	40426216

9.43325	11	5	4	4426741	45512303	10944228	33637150	19009507	57780175	49890891	51984764	33567618
15.31398	10	5	5	3986856	42444063	6046035	36461709	9334995	47015649	49694065	42427626	35301496
9.848417	8	4	4	2075227	4812131	4877965	1992390	972788.8	1592960	2592389	13455273	3051266
9.928667	9	5	4	2632903	9304793	2898058	6755056	3795485	10083814	7571765	6272678	8763454
9.445217	13	5	5	3512427	21523281	8705380	15745199	6402349	25115286	16340999	18619052	34834918
44.72483	10	5	5	7116735	1.27E+08	2579029	1.25E+08	3702150	1.26E+08	1.31E+08	1.23E+08	1.27E+08
12.65987	5	3	2	46238.9	198258.9	145272.5	296283.8	112471.9	349361.7	98480.81	69709.7	110139.2
9.880683	10	5	5	2836062	18638338	1893620	16330946	3782815	17375464	16013916	19829977	20621566
9.94455	10	5	5	1799368	7161800	1115574	6335213	1086114	8829149	7793068	6512046	6242719
8.709167	3	3	0	59722.88	235699.4	103805.7	162365.5	90925.21	108712.7	372939.6	305723.4	198422.1
9.636567	9	5	4	1050504	3811404	906789.4	2915176	1399902	3348632	4273562	4004065	4899813
9.089733	5	2	3	5472344	30101469	7546041	25422890	4198375	40668888	34169546	22305792	29455294
10.44062	10	5	5	3154492	14413780	1954822	12653975	2652459	15349226	16259725	12906633	11786757
9.842	9	5	4	922451.9	4047720	883011.3	3221327	1266284	4837638	4248407	2917069	3354064
10.97857	9	5	4	812775.3	1086821	151800.6	1442269	612786.2	1279542	956242.9	911867.4	1165696
9.960817	6	3	3	615450.3	2700873	1503007	1498472	1693529	3602224	2184776	1222235	1639270
37.54667	6	4	1	409470.9	8283633	3324448	6360150	750973.4	6929778	3992938	9129290	13105372
9.992233	9	5	4	638158.7	1950676	391586.9	1539969	653203.8	2324087	2139161	2174404	1358186
9.853633	5	3	1	661684.9	2155757	873693.3	2813277	879593.4	2976342	1490543	1570587	3237462
9.445217	14	5	5	3414490	25516031	5627653	18699424	11179353	22621759	31570718	31679387	20543883
10.97857	10	4	5	192642.5	662033	291530	489537.9	110824.3	678975.7	763276.2	489065.9	303416
10.44062	10	5	5	569553.9	2449098	401242	2065378	593305.9	2065733	3100655	2249776	2291406
9.94455	9	5	4	818741.3	2997812	410906	2284565	1214815	3454228	3301530	2754229	2437817
20.953	5	3	0	9859769	36670591	21774100	23648600	9376382	21314053	62838743	57375368	25938381
10.01837	4	1	3	852513.1	210722.2	218782.4	530060.4	536876.2	0	554324.1	97518.38	290293.9
9.972483	10	5	5	3650393	13072528	3285741	10275030	4106734	17085139	15718883	11637939	8981317
41.3645	4	3	1	304627.4	5567747	371023.7	4867772	1198309	5087640	5401027	5917968	5465356
9.348233	5	3	2	1522249	1539462	1923341	427218.2	444840	1127390	4896309	862604.8	811004.1
9.979667	9	5	4	373894.5	1060618	311023.2	772638.4	440258.9	1436464	1344085	957428.5	787301.9
39.489	8	2	3	366602.8	6267450	671510	7538478	2177038	5641508	6955238	6789177	6473844
10.01837	8	4	4	506590.5	805190	207157.6	590228	341422.7	677644.8	809224.5	539567.9	1067231
9.01065	7	3	4	219599.1	1553091	626413.3	1141298	450346	2297800	1717732	1827774	1286236
42.98483	6	3	2	358401.5	4348493	2152982	6977458	4323195	5280697	5025686	903799.8	6619592
9.445217	13	5	5	3413431	20187479	7267881	15375563	5356497	23740049	17351857	17363295	30739272
9.859983	8	4	4	1214356	4594369	209522	3809722	1366647	4385637	4718395	4636189	4377088

9.319233	9	4	5	1014076	3653451	2803911	2032162	667493.8	3733130	2133727	2040720	1872942
28.17167	10	5	5	220929.8	1507562	354730.8	1288577	195123.9	1597079	1931663	1115266	1169227
9.445217	10	4	5	1837811	10747126	7860387	5868430	4455710	6796465	5630603	7303307	9412049
35.39883	3	3	0	410262.5	5647553	830533.7	5162957	257161.4	5433969	5235268	7120015	5316570
10.008	10	5	5	510946.5	796436.3	181800.9	1138516	586376.4	794480.8	774800	684557.7	629606.7
10.49363	5	2	3	147639.9	530745.5	226142.9	366803.4	211557	906997	521953.2	504552	404848.4
18.05667	5	4	1	1433956	4954788	3571238	2819716	1559138	10466190	3596649	4782841	636055
9.064833	9	5	4	350748.8	850404	180840.5	588274.4	441150.9	971014.5	743656.3	1032563	590409.9
9.967367	10	5	5	2611982	2435615	915940.2	3289264	1310670	2880914	3447084	1378400	2920273
9.8207	7	3	2	263989.3	397457.3	344265.5	188074.7	172961.3	365924.5	329476.1	986287.7	120997.2
23.1755	9	4	5	377321.5	4135251	1459891	3219334	876092	3960682	4159685	3466713	2580917
9.93625	9	4	5	9880648	12402281	6436252	8653403	1941125	10600093	23709739	7849591	9030482
9.933967	4	4	0	729311.4	1275539	493767	816008.1	705412.4	1877172	1628986	1304728	744087.4
9.92825	11	5	5	7640815	38958447	4748704	34832947	6141088	45988541	40236041	37618394	38031636
29.84833	10	5	5	205471	1094043	177650.5	1233915	195633.7	994451.4	1251799	833146.6	1157882
9.40615	9	5	4	1751932	5482520	1404781	3828872	2707862	7037490	6828984	4273224	4016500
9.4468	5	1	4	719964.1	3497020	799883.5	2488436	1670524	3649441	4192187	4022166	3456715
10.02372	9	5	4	2176150	717432.6	165514.3	1502430	1371896	691740.7	892186.9	743958.9	806077.4
9.0258	8	4	4	207225.5	815943.1	257702.9	602080.8	310533.1	617859.5	470713.2	1069423	982866
19.00933	9	5	4	1104102	546137.7	366162.9	1656241	1932071	1104450	348951.9	723494.9	344966.9
9.976317	6	3	3	671863.3	1110351	303602.8	1635588	897498.4	906259.5	1600453	1160277	824217
9.853633	10	5	5	16560601	36205431	5924529	53649119	30347889	35389090	39990778	26343441	41133387
10.90802	8	4	4	289238.3	564649	336561.9	365073.7	136829.1	818891.2	1027372	285421.8	362649.6
38.899	8	4	1	468176.6	10498215	2820819	7921909	3931692	10130394	12921408	13242280	9938838
25.10333	4	3	1	1680783	4351542	6391841	706668.5	193364.6	15457267	4126757	880668.9	130097.6
9.55155	9	5	4	651633.1	1694896	386914.7	1234668	756028.9	1561480	2264931	1290847	1463801
10.9645	10	5	5	493757.5	2667775	339329.2	2362199	463906.6	2770648	3063061	2322977	2305526
9.842	7	3	4	1017905	1388108	596003.6	960069.5	548850.9	2306722	1638991	963178.8	847997.9
38.2085	10	5	5	382750.5	2895743	190930.1	3192864	504551.8	2751367	2655600	3012475	2935233
9.845483	5	2	3	3403732	5527306	3984636	3118356	1953604	4049629	12606742	4061163	2956442
10.97857	4	3	1	2789874	5854349	7213776	10994733	6531755	517359.9	741949.9	11994773	710002.3
9.554967	9	5	4	363579.9	852776.8	132908	663252.8	319395.7	878283.7	1064303	760852.9	724160.6
9.870017	9	5	4	1146579	4512011	899852.3	5116058	698984.2	4583619	4578080	3170340	4520476
11.04868	7	4	3	537923	2054794	310312	1775487	424548.6	1984194	1663531	2527614	2007579
9.445217	8	5	3	341882.7	2709689	727746.2	1894197	1326635	3176623	3421055	3048284	2205470

9.538267	6	3	3	309147.4	795875.4	336544.7	555057.7	308182.6	1164191	1145699	578486.7	439709.7
17.77717	6	4	2	155074.6	406555.8	420745.2	729661.3	445075.7	206532.3	250076.6	263697.5	156976.1
9.673333	10	5	5	3998661	12270665	3573304	9883623	2743922	16033823	16217206	10301123	8699286
23.4505	10	5	5	257763.3	1414369	403510.1	1138231	331743.3	861463.1	1870164	1397563	1215344
10.30302	5	3	2	334842.5	495762.9	233887.5	355135.4	111120	708595.7	790893.3	310144.3	336395.1
9.174967	3	3	0	517362.4	2098716	2674816	571313.1	401341.1	738076.7	904042.2	944136.8	6879860
10.77857	4	3	1	219659.3	415307.6	228396.2	276835.6	115749.9	762308.1	526432.3	306714.1	201667.1
9.8207	5	2	3	964330.5	2194090	741270.4	1752224	328785.9	3256378	2098639	1241641	1910220
6.93925	3	3	0	8625575	38990700	58744630	5589069	2659426	829794.9	4510194	1.4E+08	41974414
9.544833	10	5	5	3193649	9347068	1869046	7583116	2738953	11803456	10599194	8241658	8984047
10.19555	5	1	3	233972.6	93884.38	106940.1	268446.8	298312.8	274893.3	0	33597.73	71202.58
11.01157	9	4	5	519026.8	2554224	766036.6	2101856	310480.4	2759754	2665241	1437693	3556732
9.445217	14	5	5	8051170	57006276	16089396	44620845	17145961	74727663	67794660	61757662	44203878
30.25033	10	5	5	418495.9	3596267	612181.3	3079423	762929.9	2593802	3663304	3852949	3624673
9.4925	13	5	5	9060087	1.06E+08	71940836	64370176	15900270	53745210	59506026	71306536	2.26E+08
9.928667	6	3	3	775715.6	1704781	301063.6	1474005	318487.8	1931681	1982091	1843428	1447834
22.92883	10	5	5	84037280	9.46E+08	57106715	8.75E+08	1.18E+08	9.83E+08	1.03E+09	8.99E+08	9.28E+08
9.41815	6	4	2	474348	1013793	612392	604089.4	474487.7	1597209	1360067	142303.6	611445.4
10.71398	8	4	4	145589.1	415367.3	98064.41	345844.5	88312.74	540292.1	468225.9	421635.8	362644.2
9.392767	9	5	4	975651.1	2144406	663852.5	1499517	1012685	2353255	2697573	1127832	1854932
9.872883	8	3	5	6756489	10912075	13245897	3324476	2796236	1939857	2243064	1708770	31445860
10.43932	7	5	1	198906	483321.3	137144.4	352886.3	203489.7	410557	668715.6	367353.5	379836.6
9.992233	9	5	4	595612.5	1908421	274277.7	1607458	489133.6	2233669	2051657	1967689	1518378
9.69995	8	5	3	305230.8	761711.4	187593.2	620932.5	190924.7	531333.3	890696.5	792966.1	612909.4
9.920517	10	5	5	2335440	5042037	686122.9	4325835	1150234	6021277	4511062	4741982	5488123
9.842	10	5	5	1705895	8859638	471578.2	7562399	2266701	9531322	9111593	8785814	8370081
44.9835	5	3	2	342607.9	2150845	520419.1	1748955	559517	1727380	2225881	1861728	3022596
10.00385	7	2	4	4195884	7470718	3970840	4740360	3330798	11498045	822801.9	8005490	8825737
22.059	5	3	2	1208870	12917066	2244991	10834363	3223137	10073624	13825680	14366162	11034920
10.9645	5	3	2	482027.8	1158073	333026.7	841434.5	494617.5	1393082	1514577	1268262	768691.6
10.46372	6	2	4	158541	390555.4	73705.6	324403.2	101023.9	363682.3	418812.9	485037	284797.3
9.445217	10	5	4	2326035	22863157	4909012	18211334	7262096	27804078	26756031	24430896	18031613
9.864767	10	5	5	6537805	36040790	9605603	30316493	4373473	35145748	30102205	26843288	51799415
9.949233	7	4	3	1310985	4136252	679551.3	3098882	1769285	5049073	3926000	4050119	3206626
11.47593	3	0	3	32222.36	44481.28	27127.88	67076.53	33225.27	62352.07	44623.59	0	45561.41

9.40615	9	5	4	1744438	5172291	1138509	3556159	2737820	6129562	6461453	4159109	3915542
9.640367	7	4	3	256224.3	595079.9	168196.9	451363.6	214449.3	569928.5	871935.2	559783.9	561766.7
9.445217	10	4	4	2337824	8702798	1438071	6429809	3888876	6515304	10431622	8595267	8581934
9.886083	9	3	5	856424.6	3075678	776423.4	2551749	621067.3	3990266	2747063	1955066	3527638
9.857683	6	4	2	1074186	3133803	1152039	3977538	1120415	4043192	1794867	4553953	2939798
10.9645	10	5	5	1286938	6174184	1181245	5177948	1476683	7027309	7359405	5058709	4769707
10.9645	10	5	5	1157752	5487766	949096.7	4573980	1437168	6411010	5971486	4449178	4475854
6.947217	10	5	5	2735904	86860767	37044982	1.16E+08	40735813	74880229	1.51E+08	63580292	84291501
9.952017	10	5	5	2361460	6638585	954869.5	5237368	2385971	7239514	7535147	5576804	5627048
13.82417	9	4	5	68490.62	429757.7	156827.5	331785.3	96369.23	186413.2	527569.7	390190.7	448486.2
9.379233	9	5	4	8801059	9374032	3654695	23944702	25666982	13198492	13493827	7336669	6080413
9.379233	7	4	3	1821246	3778764	2474715	2258804	1400384	4663148	3881236	0	3512223
10.95835	7	3	4	685539.5	2294799	709247.3	2753886	501683.4	2252165	1711940	1514543	2805691
9.77345	5	2	3	1395211	2926866	2366908	1567739	648569.4	1256583	7102935	2326272	1929407
9.933967	7	5	2	1015490	2332069	216458.3	1615548	1261166	2335905	2576459	2044849	2202536
15.54172	10	5	5	572469.4	4608354	988024.9	3960244	732461.6	4057964	5592262	3241415	4669103
10.01837	9	5	4	399763.2	1149066	336778.7	802466.7	557775.8	814328.4	1418684	914797	1007869
9.848417	10	5	5	4462915	26088315	3736629	20400575	9736889	27013417	23197053	22649850	25612078
18.83417	6	4	2	107729.7	289675.8	185573.6	470742.6	286937.1	153571.1	260115	599990.5	141209.8
9.88815	9	5	4	3860291	3830987	1275052	8277937	7840813	4971511	1651565	4417523	4112026
11.3298	9	4	4	10399783	93922105	85958901	44951818	18708420	52367598	56686074	47498117	2.47E+08
9.994767	5	4	1	252785.7	676930.8	156286	506647.2	278147.4	581451.7	875690.1	814697.3	533512.1
14.45873	3	3	0	17362844	3.93E+08	83433422	3.37E+08	65272536	3.45E+08	5.13E+08	2.93E+08	4.25E+08
12.82123	5	2	3	61837.06	296314.9	49850.77	256940.4	56296.18	250645	348905.6	346411.9	245969.7
10.9645	10	5	5	353445.4	1889524	256420.2	1680306	305848.5	2065819	2080958	1617458	1600153
9.8445	11	5	5	948920.1	4960791	218108.8	4489212	823965.9	5204066	5064350	5023123	4628174
40.15083	6	3	1	432851	5975704	1611608	5062422	260582.6	8274582	4130166	6861101	5401822
9.857683	10	5	5	1505392	8720763	991908	6723349	3481897	8889960	8355535	7381956	8854448
9.840617	9	5	3	7974716	907476.4	245909.7	15060577	25114014	1086736	775717.6	1199409	895176.4
9.842	9	5	4	1427407	7128573	781536.6	5822354	2255390	8126925	6920748	6120354	7663507
9.960467	7	5	2	417485.2	872523.1	210549.1	565227.6	524960.5	1125889	1072380	676048.6	772643.1
9.994767	9	5	4	1248967	1413213	505848.8	2456756	1821691	1692197	1985829	1613987	778045.7
10.96715	4	1	3	366128.5	1769747	682582.2	1126669	1009086	2093382	2160764	2203803	579815.9
9.88815	8	4	4	1327280	2534113	1449228	4139537	2636220	4893543	1480304	2826474	1310051
23.29117	3	0	3	2834179	53221.04	28536.37	6138188	10802475	73159.91	20936.37	31242.52	89687.4

21.44967	3	0	3	120086.3	295349.6	26676.38	466620.1	303634.1	339663.3	272818.3	297769.9	277067.1
9.45945	8	3	5	1537187	14249410	3123735	10752136	5756489	17464093	16275742	15068334	9552314
9.8322	9	5	4	758952.1	3396093	556453	2557386	1437728	3273663	2518494	3836174	3902946
9.842	8	5	3	1319799	1772667	324350.2	3076983	2307000	2211550	1972344	1746403	1475985
9.992233	10	5	4	2316203	864146.5	382064.6	2468551	2838912	975114.1	1324107	1066878	378217.5
11.72435	7	4	3	9172402	1.71E+08	51196727	1.4E+08	27841614	1.85E+08	2.54E+08	1.35E+08	1.28E+08
9.94455	3	3	0	2069941	4391873	4367818	7327408	3506551	1647306	6464468	11157030	1621191
9.920517	9	5	4	2114787	5163106	838550.2	4228923	1537034	6488911	4860967	4353007	4679127
20.86667	3	0	3	2986534	136752.3	94308.62	7231419	12603722	90540.48	303617.6	85082.8	85710.94
9.864767	10	5	5	8033054	46144062	13255875	37994029	7702777	42775791	38663989	35650330	69015831
20.25967	10	5	5	2287489	16804404	2894348	14600670	3071801	18512419	19388162	13230260	14112793
9.986767	11	5	5	5140313	14056871	3646497	11289308	3847586	19254594	12459382	10659625	11500017
9.992233	4	3	1	309328.8	593919.6	342575.4	347367.2	325073	875284.4	0	755244.3	675195.7
36.353	4	1	3	236502.7	1939344	275133.8	1630418	509377	1979024	1918960	1492119	2221253
25.38067	3	3	0	300941.8	456557.5	791092.6	11451.05	20746.32	1865357	224294.9	64593.05	24044.32
9.554967	7	4	3	256203.7	624535.9	150083.6	449746.5	290303.4	635896.7	801728.7	485295.5	462092.9
9.419733	9	4	4	909004.3	8457278	3693169	5996147	2902213	11465521	8939268	10677676	9068972
23.29117	3	0	3	3466888	16654.27	14104.46	7348140	13033798	14675.41	9269.611	0	21870.03
10.00998	9	5	4	1318257	762274.9	197966	1532591	1363895	635242.4	1025043	828981.4	508350.8
42.62517	8	5	3	2768110	5570832	4540518	16791095	19730379	2590673	13576469	3225224	4678618
9.43325	11	4	5	2784826	7326682	7654317	3004416	1104354	2357432	3992455	20668013	6790512
8.899467	4	3	1	3199545	2206835	2332585	6540653	7545692	621419.6	573952.4	392272	4163588
9.8445	10	5	5	18808852	97601786	9175304	85916681	19708645	1.08E+08	1.03E+08	88200681	87741003
9.445217	8	5	3	477282.5	1810608	897585.7	1182185	803113.2	1639633	3284123	907926.5	1358306
9.445217	12	5	4	1106093	6341701	2021032	4611075	2614922	8201982	8255657	6790111	4009049
11.00657	4	3	1	63962048	1.28E+08	1.79E+08	2.54E+08	1.61E+08	486815.8	1060687	307809.4	2.63E+08
23.8855	7	4	3	205822.1	1311186	169724.6	1101774	351664.2	1428989	1536659	1139592	1169096
22.14483	4	3	1	266250.4	1613955	511654.3	1304090	276361.4	1186962	2434912	1786651	1314976
10.8937	10	4	5	302219.9	940821	361657.2	653159.3	415935.3	385436.4	1317601	1194974	954625.7
9.379233	7	4	3	589474.3	1651836	806719.1	1060563	797747.4	2609266	446919.3	1404038	1740371
9.8374	11	5	5	805169.3	3308969	743109.9	2621608	1075164	3565468	3369283	3211691	4225324
9.992233	10	5	5	697328.9	3011893	220263.3	2531941	842108.2	3170427	3014838	3011152	2652236
9.915583	8	3	5	1636744	5619253	4428042	3114519	841858	1467093	1904974	6045170	12464561
9.976317	10	5	5	1202051	4540870	594239.8	3944944	958385.5	5104877	5024467	4461340	3617740
9.848417	10	5	5	1151382	4722277	1843200	3527082	1340242	4578779	2481693	3722495	7369170

11.03478	4	1	3	117839.3	277575.3	138326.6	472462.5	333103.2	286826.5	359136.8	124735.1	159399.1
9.928667	10	5	5	2642572	3601216	1228533	6638530	5351417	2385267	2835474	5514514	4028623
9.4873	7	4	3	25588826	5610845	10878902	26446468	36396213	524080.3	727429.2	25065940	1181864
11.5505	5	2	3	88608.13	335741.3	83593.15	262830.9	111335.6	356417.3	218607.4	359752.5	444774.7
44.5955	4	3	1	632116.1	3906808	2897354	5652382	1526046	2164853	6788871	529873.1	2984076
10.43932	8	3	5	185549	612484.4	226033.4	471063.4	144231	596702.9	921461.2	720085.4	320566.1
11.00657	5	2	3	1322092	5678245	3177745	3451182	2858753	1463311	3587513	6592186	7173112
9.856867	10	5	5	2119388	10846036	2500386	8283030	4150887	9747121	9060654	8938117	11585389
10.97242	6	2	4	246180.5	941846.3	416795.8	659130.3	346281.7	1505428	435106	1030806	643200.6
41.71917	4	3	1	426024.8	4583659	522374.8	4280428	199850.9	4544892	5141011	3754530	4591140
9.311883	8	4	4	624807.2	3311541	1626943	2294517	1037179	5393942	1298895	2250603	3266840
9.856867	9	4	5	2058633	2458257	977862.8	4216550	3066338	2640963	959691.8	2203494	3595315
10.7188	6	1	4	14347740	3687672	834302.8	35987748	57639132	4154917	4544843	2759371	2822162
9.979667	10	5	5	436997	1953220	348454.7	1623236	522303.3	2241645	2368569	1855627	1514616
9.488133	11	5	5	3007830	17396453	11968003	9706566	8494840	25883124	31103802	597047.6	17549270
9.964417	7	2	3	946477.8	1788667	930617.4	1209167	585920.5	2162037	338608	1813363	1736663
9.858833	9	4	5	2235188	10741871	3492469	8578032	2151854	12589399	7435129	8646412	15963962
10.44062	8	5	3	159067.2	545358.4	188530.6	689369.1	202971.8	555971.2	796804.1	648395.2	390861.4
10.22632	10	5	5	452356	1932175	878808	1416599	385130.1	867188.1	3075823	2331006	2125878
41.81967	8	2	3	390310.5	6627115	1792485	5468458	1301403	7169887	8585149	6649987	3701168
10.01545	5	3	2	934080	2683805	1832986	4190146	2236882	5704166	3135412	1275412	1645650
10.93618	8	4	3	245087.9	869434	467504.4	544262.8	415432.5	1259245	1048914	402748.5	334904.4
39.0775	4	3	1	192975.8	2160108	235469.3	2336736	245314.9	1880836	2042154	2471395	2324085
9.352183	8	3	4	553522.6	2778058	467167.2	2095077	1175399	1965305	2829905	3116724	2934916
9.447733	8	4	4	591680.5	3616365	3072122	1836662	1176698	8487404	1213578	2036548	1534945
10.95835	10	5	5	567727.3	2894805	996792.4	2245112	743938.3	3904759	3469952	1596155	2082229
9.379233	6	4	2	384895.7	660651.7	281168.9	360205.5	493238.6	977068.1	214305.1	775265.1	710887.3
36.2665	4	1	3	65753.86	221751.5	108585.6	310062.1	130381.6	316647.7	59732.71	201861.9	203101.3
9.975217	4	1	3	873314.9	607599.5	283992.1	1097444	854289.7	627503.8	961994.6	759573.6	476818.1
9.853633	10	5	5	2070887	9690809	3641669	7210473	3081216	7996345	9475720	5613883	15475934
9.43325	11	5	4	2210339	11578145	4257504	8769671	3302409	13531688	10427890	10976939	17264335
24.08817	3	0	3	3561757	24032.78	25483.7	8452316	15075619	11038.91	23657.44	0	18737.29
10.2666	10	5	5	463092.6	1694586	318423.2	1389137	487097.8	1761202	1882102	2074318	1479839
9.918833	6	2	3	2679194	8685923	3943028	6217866	2559818	10417813	4170342	4808364	11128180
10.008	8	5	3	1419767	770748	121696.7	1812066	1861778	891569.4	645040.3	738287.3	673040.6

9.445217	14	5	5	1145224	9651047	3040824	7595329	2526946	12499848	12112599	10614167	7564478
10.9645	10	5	5	56776676	3.95E+08	47606564	3.57E+08	56254814	4.29E+08	4.33E+08	3.45E+08	3.4E+08
28.9205	6	2	4	103432.2	631040	127576	500023.3	213430.7	490638.2	606691.4	576287.3	646695.3
10.94443	10	5	5	658669	2416283	607582.3	1948815	665945.8	2458387	2735946	1920843	1735366
44.88283	8	4	4	315056.8	3115463	98107.27	2893346	392518.2	2961448	3150448	3081391	3173653
9.317167	5	2	3	604214.7	1099150	287566.1	1487852	665164.9	752091.3	1218870	1498112	1118448
9.864767	9	5	4	5239731	11165590	2489605	17077079	10463502	11742308	7033549	13027542	13127074
9.992233	13	4	5	612134.9	2109173	877908.9	1517890	724497.6	2229609	670768	2657430	2045381
14.18633	8	4	4	62236.75	382992.4	56935.04	305487.2	132804.5	308812.4	425941.2	334849.6	431377
9.976317	10	4	5	1146131	1961808	1577968	1061301	497942.1	1344133	1531238	1017737	4763109
22.07717	9	4	5	739352.1	2829092	966134.3	2246017	531172.5	2081334	4392203	3136664	2322960
41.97783	8	2	4	422362	6292715	778368.4	8121895	3238946	6727384	6917459	5684251	5238905
9.445217	14	5	5	3780232	26247934	7525003	20716755	7586323	34155237	31649547	28314443	21042915
9.45945	8	2	5	1078484	4082448	2770437	2270816	2109718	2386904	7122502	6727119	740005.4
9.445217	14	5	5	3549217	25802791	5481656	21528128	6167949	23108174	31998399	31465183	20720477
13.62435	12	5	5	845616.1	19424567	7325992	14870789	4669962	9253469	25614176	14727696	21194645
22.94333	10	5	5	1113322	9532202	1083243	8578658	1476272	10308069	10620636	9374306	9523443
9.904767	10	5	5	4515602	30669316	2055902	25805313	8623709	32265651	29474230	28173312	30215630
9.559117	9	5	4	423517.9	1013525	247512.5	822690.2	273235.6	952546.3	1420714	884936.6	771835
9.8322	7	3	4	54347956	1.29E+08	1.7E+08	30923074	62214644	5089467	4475681	3.3E+08	2.98E+08
10.95602	8	4	4	432486.1	1684515	429387.3	1222892	762700.7	1429563	2161181	1226658	1480276
9.960817	5	0	4	13838498	635149.2	1150336	25757633	45096799	112211.6	2692440	89722.4	121824.2
20.24783	4	3	1	65411532	2.05E+08	2.82E+08	3.93E+08	2.29E+08	5.74E+08	2089537	4.44E+08	1222531
9.870017	5	3	2	4937849	16091650	6889646	20150125	3262553	9578107	16203613	9728004	26042078
9.94455	10	5	5	3016046	10374137	1921521	9063010	1649077	12690932	10381123	7865917	9222731
7.303317	7	4	3	321666.8	1992028	341369.7	2924883	1660958	2140934	2442944	1572079	1747009
9.388367	7	4	3	712402.8	2626214	889718.5	1783082	1345893	1691445	3568082	3587806	2218191
9.887133	9	5	4	4381179	9163216	1655658	13124549	7032794	11423533	8744808	10224352	8124532
9.92825	7	3	3	949021.9	1278679	239171	1737965	809259.7	1316408	1419668	1182177	1549674
44.49183	4	1	3	373399	5706254	354626.3	6298176	1035267	6078836	5795717	5860070	5665642
9.856867	8	4	4	2483036	4290011	2554381	7445687	5356489	1970123	2735969	4029787	4156044
9.714167	6	5	1	327616.8	626440.2	263555.6	461201.9	175044.7	892387.9	866248	396839.7	316952.4
10.94443	10	5	5	189436.5	524814.3	105001.2	678872	266861.5	686443	568828.5	492249	437420.8
11.7856	10	5	5	892715.9	1266899	356295.3	2660559	2494787	1643533	1200690	704166.6	1473835
10.74768	3	0	3	632548	1843096	419861.8	3071754	2192137	1769190	2527186	1429984	1600313



9.445217	11	5	5	551451.8	4023663	1369911	2851921	1794562	4347804	5204002	5221900	1993984
41.97783	5	4	1	373062.4	3888440	1077620	4546028	637813.3	4300006	4627973	1990003	4111367
9.4468	14	5	5	1305140	9978275	2800039	8056596	2443837	12948532	11783972	11089789	7630896
11.27298	10	5	5	143747.5	902963.6	97962.88	741966.2	281503.6	982610.8	732436.6	921834.5	941707.1
8.98945	8	3	5	306713.6	797285.2	412745.5	1052720	261428.9	940084.7	1177327	1117513	547041.7
9.842	10	5	5	1816397	7752697	1018026	6508261	2112245	9131527	8318336	7746010	6936847
10.008	9	5	4	817392.5	894943.5	279036.9	1577456	1214742	1076021	648331.1	1291345	674880.8
10.07098	9	5	4	836917.4	2465077	392425.3	2749020	386091.1	2730589	2842507	2469194	2452740
9.8445	7	3	4	1358413	5846069	1792806	4223796	2552662	6376770	5429169	3321495	8300811
9.445217	5	3	2	1037247	5217061	1493531	4051540	1692624	4030837	5529812	6284992	6888759
9.999217	10	5	5	764926.6	2469934	224552.2	1986200	858294.6	2403242	2795839	2306914	2248877
9.870017	4	1	3	1647327	825375.5	559778.6	3457268	4727404	845769.6	662534.5	1505361	1113212
9.952017	8	5	3	1534226	2032630	522946.8	3046110	1791266	1891219	2387347	2661487	1926188
9.999217	10	5	5	819732.9	3168289	734167.4	2479657	1099415	3519372	3351283	2417273	2436610
9.370583	7	4	2	9541049	23328523	47204932	68279718	72139692	2376796	590049.2	2783232	3139476
20.3025	4	3	1	92688.28	357068	147771.1	481422.1	189498.5	129307.8	345475.9	342942.3	445006.1
9.856867	9	5	4	2170628	1646989	682664.8	4844671	5746690	2757098	1682356	1509785	1370227
9.9014	9	5	4	7108252	6919000	2620036	15324863	15056146	7559142	3587918	9865411	8693696
10.58257	5	4	1	255024.3	1262461	340807.8	944776.7	506443	1692757	1117419	1100451	865753.3
9.856867	9	5	4	4961660	2889178	181352.6	8258382	9681775	2777067	2855211	3114733	3028044
9.04395	4	3	1	354783.8	550211.9	354699.4	319345.4	270464.6	323686.2	1136630	580203.2	230486.5
9.949233	13	5	5	1728379	3275643	320444.8	4274333	1789160	3177575	3612101	3596799	3114680
10.008	13	5	4	1531277	3753777	1493394	6135477	4168959	4743431	1220861	3809140	4041751
8.774517	8	4	4	647417.6	1624965	1255549	861722.1	740624.7	689035.2	3690933	1338353	1804749
9.976317	4	3	1	343982.3	529622.7	504673.4	227283.4	275898	903948.2	1075925	668240.6	0
9.949233	10	5	3	1186720	2935837	1489062	4037191	1536598	1420995	2019865	5274601	3343400
10.16938	10	5	5	558283.1	1711564	831084.7	1233079	332476.9	2859349	2218789	1531505	789758.4
9.88815	4	1	3	1037927	1520802	792114.4	3065470	2737166	1786232	790949.5	2772300	1251063
10.01837	10	5	5	587532.8	2245656	69577.63	1839967	731188.7	2238602	2130556	2297655	2301965
12.45587	10	5	5	414778.3	2785808	581526	2257088	836685.6	3380311	3044858	2184042	2141104
44.466	7	1	4	264034.8	2700737	1259725	3410296	349096.9	459582.1	3056860	3246449	3411232
15.72875	5	3	1	1529414	14907775	8964591	9849280	2603388	14426723	5838638	29862220	12812471
19.05383	7	4	2	47843752	53640971	1.19E+08	1.48E+08	1.39E+08	370873.1	222029.7	467002.6	228268.6
9.8887	7	3	4	24280826	50653979	66055069	13007383	23269044	1.35E+08	1.1E+08	2538424	3538816
9.419733	7	3	3	865304.4	5870603	2543992	4091809	2341505	7670137	4875973	7067742	7888087

9.872883	10	5	5	1280880	7125996	694777.4	5778140	2389166	7712107	7403337	6157622	6645933
13.7122	10	5	5	1997061	20116574	3936892	17104511	4332907	23298431	22493514	15951866	15684166
9.445217	14	5	5	1320424	9033926	2848143	6907070	2999288	12050585	11019534	9757673	7286123
9.842	9	5	4	843101.1	3095066	211187.4	2764251	579329.6	3332314	3313724	2988790	2889530
14.98788	8	4	3	80156.98	329330.2	102556.3	259631.3	88407.06	454439.6	202151.2	335414.7	255911.2
9.445217	14	5	5	11639758	92591743	28838049	72566311	26162360	1.23E+08	1.11E+08	1.04E+08	70583280
9.946467	10	5	5	5860330	21582259	2931970	18797762	4482089	26279602	22577567	19562724	19242850
10.9645	10	5	5	6010403	41719523	4411970	37641836	6501386	44201647	45468519	37529586	36339619
9.93625	10	5	5	3189173	12346055	1981069	10267515	3442661	14340098	12944083	9998724	10517112
9.858833	5	1	4	1552801	5036648	2323777	3530943	1759638	4654396	1670635	7921866	6312771
9.43325	7	4	3	620572.7	5030146	1037496	4155974	1338833	5720977	4778418	4397206	6420427
10.9645	10	5	5	5868117	38282825	3432997	34625839	6079533	40099322	40284971	35433253	33845820
10.98605	10	5	5	333643	1258397	372849.4	942505.7	485338.7	1062874	784587.6	1265251	1397468
13.59513	10	5	5	568416.7	10591434	4601449	7334821	4359435	11567213	12751567	3353827	9619029
29.0825	4	3	1	254947.9	870437.3	807408.1	1415872	686859.3	169105.3	585719.1	1765766	131906.6
9.999217	11	5	5	478574.1	2128879	277262.5	1802539	553570	2443675	2377382	1910178	1816146
9.859983	9	5	4	2286056	10691853	2047214	7745988	5127431	10063295	8813935	9272070	11406153
9.952017	4	1	3	3.18E+08	8.06E+08	4.68E+08	4.22E+08	5.8E+08	1.23E+09	1659024	9.19E+08	9.53E+08
9.673333	9	4	5	493789.4	1479494	533362.5	1174048	205544.2	1902626	2122174	1452000	1015174
9.568567	4	3	1	575292.6	1533343	1036797	2479455	1503277	1944910	544153.2	2332629	2537967
10.01523	12	4	4	970617.8	3182106	3149421	1418112	783843.7	800894.1	4315789	983699.8	1592236
9.445217	14	5	5	2883645	21971976	6465822	17324441	6337173	28842223	27130986	23380155	16010376
12.48505	10	5	5	162131.9	965582	281959.2	732407.7	354131.9	1020613	1232806	697417	646825.3
37.41633	5	3	2	405092.9	7309742	1265580	5731553	2703438	7181781	8815738	5463031	8092806
25.41017	5	2	3	283237.7	1388548	414330.6	1101423	375359.9	838148.7	1949080	1466316	1171922
8.6027	7	3	4	625614.1	6085864	1900354	4817266	1572181	6054106	8856795	4106638	4574470
9.976317	5	3	2	482809.2	920570.3	337357.9	617357.4	479424.5	1265081	1182315	1011678	662952.6
9.845483	10	5	5	3293365	17356224	3300364	13717333	6107317	17622740	16749615	13039592	17071662
9.859983	8	4	4	1276552	3484353	2172935	2236824	872848.1	6931481	936387.2	2784328	3353982
9.952017	10	5	5	1931830	6959997	773974.3	5535498	2527194	7757643	7107151	6251277	6064751
9.445217	14	5	5	2083666	16695293	5351288	12732502	5577632	22207582	20692354	17864030	13570589
9.8322	9	5	4	811266	4070637	414056.2	3640534	712849.2	3729164	3636052	4000007	4402133
10.47023	10	5	5	897794.4	4080647	589453.2	3566073	804665.6	4590831	4457930	3361436	3519145
9.912633	10	5	5	7225418	64178640	4396186	57284466	12114986	58624382	67663520	60218317	67667222
9.845483	8	4	4	1835151	4512001	1005549	3774839	1028370	3681434	6228846	3918268	4288900

9.976317	9	5	4	503146.1	1634022	304922.3	1366909	418382.7	1821162	1096871	1819437	1701607
9.979667	6	4	2	8830153	3702858	6941162	10093768	10214169	606562.7	589905.2	16117969	441769.7
10.9645	10	5	5	226507.3	1149251	206455.9	896439.5	432711.3	1344579	1322847	844341.2	1057291
9.445217	6	3	3	831921.6	2939152	765972.2	1983446	1640301	3018723	3354511	2041720	2339901
22.175	3	0	3	116361.1	412627.5	225395.7	265759.8	175010.5	337323.4	626250.7	150093.2	280739.9
9.4925	10	5	5	2215008	6444962	1011319	5183477	2165090	7253044	7691517	6247245	5762477
9.064833	6	4	2	690432.4	2208130	848744.6	1673302	592198.6	1914991	3709499	1837784	1952360
24.359	6	4	2	800599.6	2447001	3118052	722837	368692.1	7861917	2300968	298253.1	1062417
9.91875	7	3	4	554775.7	1105574	509973.5	1454167	450032.2	1102047	345226	1754853	1032449
9.295817	5	3	1	374108.5	1557345	620293.4	1030263	815323.7	1503987	791285.8	1400258	2518834
10.57323	10	5	5	21410016	1.22E+08	19106326	1.06E+08	22931724	1.32E+08	1.38E+08	1.03E+08	98818525
10.95055	7	3	4	640545.6	1586119	519307.9	2027236	682345.1	2449579	1584536	1126680	1241555
18.10967	10	5	5	803297.4	5926196	1092381	4555125	2360266	6923486	4089097	5966155	6528836
9.975217	13	5	5	5745294	12974970	5262085	9695179	3552022	14520028	10554968	6726990	12171273
9.9014	10	5	5	3435284	18889866	1851580	17218785	2658064	17954471	16387584	20546292	20840408
9.8322	7	4	3	843800.5	2648904	842712.9	1886453	1214312	3433974	2463345	1885578	1838116
41.97783	7	5	2	376873	5499242	1948930	4317178	1175629	8358851	4601737	3108766	6163038
9.932033	10	5	5	1849885	5252129	989815	4546209	962791.2	6758740	5555889	5199290	4442425
27.26983	10	5	5	329536.3	1260618	986437.7	710817.3	244117.9	632063.7	854889.8	763785.6	1048027
10.96997	10	5	4	652346.1	1821578	676268.5	2742376	1602845	1127741	1462727	1976811	2899735
9.445217	14	5	5	15607412	1.12E+08	31990907	89567009	28889975	1.47E+08	1.32E+08	1.23E+08	86922456
11.02755	10	4	5	688916.8	1672746	1304378	938793.7	416607.5	4003449	1156379	1031534	1024807
9.856867	10	5	5	6775723	20671306	2265394	27805515	12900292	24536154	19342795	20411870	20296598
10.9645	10	5	5	751299.9	3759286	648954.4	3199534	875302.6	4224051	4389586	3177287	2954601
42.27983	3	0	3	290969	3959466	208664.1	4230362	469372.7	4046560	4244240	3711595	3807041
9.842	10	5	5	28813094	1.42E+08	16956659	1.22E+08	34910222	1.6E+08	1.53E+08	1.25E+08	1.23E+08
9.445217	10	5	5	2983485	23058187	7291069	17017709	9261717	29241507	31886831	21706259	17044966
9.507167	6	3	3	946284.3	870756.9	408031.7	1920507	1892770	772848.1	1378685	1161305	705632.3
27.94	10	5	5	120529.4	622188.9	368942.2	418640.2	56977.37	701580.3	836217	222317.6	271187.5
15.4474	11	5	5	791838.3	5065313	1196971	3720312	2280906	6849655	3796788	4529293	4505148
28.28817	10	5	5	775908.2	3814929	801412.2	3065185	1212901	3358651	4921568	3000880	3417119
9.22995	5	3	2	5619814	3711226	3988389	7397537	5938331	529866.7	3003925	460544	4369228
10.84353	7	3	4	132122.3	252083.5	135191.4	346583.5	126611.5	101848.8	450557.9	317110.2	211280.9
42.99917	10	4	5	354228	4563283	2025162	2567387	3282880	7438639	2485144	2821384	4624299
8.855567	6	4	2	658216.7	1610659	1022899	928785.6	856656.7	1185491	3390363	1503010	1142495

19.578	7	4	3	233063.8	1415691	1107917	2332224	1406727	1192991	1098660	1209652	298729.8
10.51423	10	5	5	982065.3	3402532	983325.6	2713048	927938	4839393	3997139	2559237	2680844
9.94405	9	5	4	14640679	3932020	1244900	15480176	21038922	5130571	4231022	5027888	2401499
9.445217	9	4	4	913016.3	3172773	1102630	2265100	1389749	3377452	4993715	2646329	2194557
9.40615	7	4	3	556852.6	1351884	519302.4	843763.6	834654.7	1883613	1879402	862119.5	826659.4
9.992233	9	5	4	328354.5	1039062	242036.6	750342.3	495323.2	1319904	1142158	867683.9	717300.5
9.40325	8	3	5	1767069	9436675	6176642	5700949	3733318	10066027	3247549	17277265	13287577
15.54172	4	1	3	73602.61	563075.8	105897.1	430156.1	229790.6	690096.5	548500.1	435482.4	492819.1
10.008	9	5	4	868496.8	923389.3	271970.1	1551093	1130524	823948.5	938368.4	1382057	788087.2
9.445217	15	5	5	15319700	1.09E+08	32076236	86114225	32587776	1.43E+08	1.32E+08	1.2E+08	84346464
9.880683	7	3	4	2121370	2377962	1291673	6569292	7600807	3362065	1862546	1764026	4039943
9.94455	5	2	3	991176.8	2037127	654870.5	1477180	875244.8	2885661	2498356	1546689	1306137
20.51567	10	5	5	191478.2	1005607	215186.6	860712.6	185459.4	1009166	1236725	980748.8	667070.6
10.008	8	3	3	4555935	4422917	3773129	2332681	854006.9	554027	2663161	6572560	9917964
9.43325	10	5	5	1363196	7106286	1932468	9783313	4686905	9135688	6688792	8991224	4658578
9.448983	8	4	4	4954114	24499499	15205486	14376420	12738269	37045323	34079712	757715.6	32746171
10.02372	7	4	3	1037423	787877.4	485346.4	1769337	1762453	594696.3	588989.9	766048	1619021
10.008	8	5	3	372624.3	728845.1	161920.4	579224.5	241765.2	835767.2	619024.5	892716.4	504188.5
16.27145	10	5	5	3663681	32465199	4873005	28838764	5198540	28452253	35836271	26284834	34137284
10.9645	9	4	5	608325.3	1564946	610899	1146206	550598.8	1338701	2655425	1285716	1231372
25.69517	8	3	5	73650.38	278388.2	75369.26	355187.4	127908	212243.6	373908.4	244284.8	344189.8
9.976317	5	2	3	434914.5	1089581	86165.08	845555.3	442550.8	1037519	1207827	1060757	995148.7
10.94443	8	4	4	284691.8	508523.2	159754.5	960061.6	818900.2	620243.1	668326.2	578359.4	316308.8
9.960467	9	5	4	1066884	3944134	423977.4	3170600	1384231	4448911	3975534	3756628	3341256
9.445217	13	5	4	1491668	9185488	2942254	7133449	2762477	12033831	11428368	10142391	7228730
9.280767	5	4	1	1493366	2719659	1616167	4957081	3925496	5400633	1320948	1645822	2361352
9.999217	10	5	5	444814.6	1676144	74899.18	1471527	371011.1	1667727	1676332	1661169	1583162
9.392767	9	5	4	1098589	2654660	739514	1967896	1113677	2990069	3081234	1898868	1838602
9.859983	8	4	4	1409206	5247149	1506585	4187709	1440467	2658541	5185427	5983048	6189947
9.328967	5	3	2	600772.8	1631075	501938.2	2454900	1466376	1242746	1695475	2469678	1466266
44.25017	11	3	4	433536.7	3189015	1467232	4809648	2753024	3243911	3080711	5293052	1147130
10.71398	5	4	1	92235.96	257132.1	99331.61	182163	109005.9	213476.5	363069.1	364115.3	189351.5
10.47023	10	5	5	339023.9	1147758	236089.3	950914.4	305062.2	1433166	971940.9	1050920	916522.2
19.68067	3	0	3	1259404	272028.4	61390.52	3152015	5274087	312603.1	263884.1	254667.9	184033.5
10.09898	9	5	4	2089480	2560274	1280563	5508657	5332239	3175977	2851995	3107280	3372262

9.912633	10	5	5	2.66E+08	2.41E+09	2.63E+08	2.24E+09	2.32E+08	2.77E+09	2.6E+09	2.14E+09	2.33E+09
9.928667	10	5	5	2090160	4294459	708624.6	3727885	858728.7	5291087	4290625	4640170	3625632
25.1565	10	5	5	18357718	49282940	88988329	706591.4	542106.5	17024272	984662.1	2.08E+08	5176013
9.659033	7	4	3	379650.5	1352782	817539.8	837463	590541.4	2503501	940294.5	1017067	449573.3
3.58705	5	3	2	76948.88	1140997	693925.2	1712437	881635.2	0	975111.6	1647733	1640667
9.872917	10	5	5	9488435	58570523	3467343	49856331	15807590	57879188	55456426	56081245	59277987
9.559117	10	5	5	10954808	39995735	6240118	32085249	13769054	40131093	50100236	39347367	37099765
43.58867	6	3	1	752109.8	4636115	3323611	6604592	1852695	4108227	2695687	8196246	7755660
29.20317	10	5	5	2698266	12930858	8172016	8289780	3313396	12893939	26301197	10238001	4110735
9.406667	6	2	3	574192.8	2036384	1446419	1224764	500416.4	259840.4	733192.9	2726747	3533514
11.68858	3	3	0	99826.29	247746.7	203157.4	135963.1	40827.24	587537.1	279951	93166.02	115936.8
39.8775	9	2	4	341104.9	4673113	1795866	6330396	2690218	5058271	4998079	5041420	1691620
9.445217	14	5	5	7956717	56902082	16963453	44565855	17439692	74696221	69085654	61249427	45982949
10.5972	6	2	4	213936.1	436357.3	152473.8	322806.2	163939.6	343822.8	279406.9	360556.7	622936
25.116	3	3	0	251457	554684.4	966141.9	27843.84	27244.92	2278126	216116.5	116192.1	15355.14
9.960467	10	5	5	3323580	13700475	4331232	11047165	2831919	13738763	14834639	9219613	20263833
10.9645	9	5	4	197471.6	1035519	336603.8	794439.5	336046.6	1252074	1050054	682944.3	725846.9
9.8322	5	3	2	484626	1274353	632086.6	763295.3	781736.3	1700863	1629690	791180.1	413713.9
9.295167	5	2	3	5428070	22665368	19579933	10349565	14102382	35214399	39881038	1506426	1115645
11.27298	10	5	5	1505708	4892153	1836730	3306001	2509545	6722416	2134559	6048277	5544997
9.896717	3	3	0	3084236	2787747	2152296	4773345	3225670	1529403	680834	4875455	5341255
9.856867	10	5	5	5898345	31861282	3124891	25777039	10962926	32615543	31876796	28145741	30144604
9.5021	8	3	4	1728172	10671219	5460367	7060176	4559610	16915758	6744428	11699678	14392193
9.68775	7	3	4	554859.4	2238748	1025357	1617414	643618	3461547	2904809	1165045	2456259
9.842	3	3	0	1175586	2055634	845962.2	2802976	1195207	2789965	1019710	2738802	2460965
9.4775	7	4	3	766796.3	5982847	5045383	3191576	1358513	4574928	1864268	3006915	14585889
9.445217	14	5	5	22426412	1.82E+08	51902706	1.48E+08	42692122	2.4E+08	2.1E+08	2.04E+08	1.37E+08
9.994767	4	3	1	2657572	1922458	1999507	3672037	2791327	3911577	493881.4	4303085	419649.2
35.98083	4	3	0	428739.6	7697747	2907866	6113455	271109.7	12893018	6500997	6157744	6414049
10.9645	10	5	5	772342.2	3777709	632982.8	3214110	905701.4	4284293	4376622	3106828	3089860
9.46925	14	5	5	2597298	15625233	3014572	11669493	6938378	17850625	17722742	14001367	11057073
11.05832	5	3	2	17802954	24095293	20553233	40092273	23977436	42058751	17725382	5438696	5792581
40.0645	8	2	3	280106.6	2584905	373935.4	3682973	2004559	3048190	2701276	2738151	2358239
35.50033	10	5	5	422781.2	1922019	1867646	818263.5	1046366	5133092	1233357	249929	1427029
9.840617	3	0	3	645730.9	209159.4	86024.14	677967.7	860489	125437.3	286745.3	132755.7	189899.7

9.82645	9	5	4	2703523	12381348	2210938	10228209	3569506	10403263	11748494	10600717	13475758
9.983433	7	3	4	681805.5	2378147	462975.6	2083801	347684.4	2399350	1605134	2445677	2822039
9.94455	9	5	3	1425070	5608218	529110.8	4779931	1477809	4729012	5573284	6027535	5701750
36.684	3	3	0	335305.1	4397778	1077814	3808027	190989.8	6181832	4169239	4042959	4328902
9.992233	6	2	4	600301.2	380594.9	503355.7	876378	824857.7	657004.2	1137696	0	0
9.972483	11	5	5	4827516	11934457	2383280	9634813	3803695	13698162	15120427	11083964	10293554
9.992233	9	5	4	996367.3	2572510	1007904	1757572	1251897	3616439	3393972	1080479	2346880
10.27612	9	5	4	405159.7	2159123	456920.2	1750353	658885.6	1716581	2850754	2281189	2169924
9.992233	10	5	5	933697.1	2333512	361361.7	1914340	723260.5	2648706	2053721	2697802	2390683
9.994767	7	4	3	792509.7	1207111	334749.5	1724303	922503.1	1224854	1616155	943801.3	810807.5
10.008	7	4	3	288545.6	781534	238223.2	586369.9	302187.3	541666.7	832353.1	652525.5	717336.8
9.960467	5	3	2	409978.1	901027.3	289944.2	670030	352056.9	1191871	1193279	877890.3	554124.6
10.95055	5	2	3	205486.6	627010.9	232586.7	482794	161342.8	873753.5	861440.6	343851.7	547541.7
15.70235	8	4	3	585070.5	4108671	1276694	3094484	1543402	2230699	4847737	4595037	3435607
8.995417	5	2	3	159038.3	1199783	375387.9	957247.3	296549	963757.9	1803800	1332168	963865.3
44.14967	8	3	3	233123.2	3571121	1051545	2543530	1708025	2956480	5145956	3161192	4085184
9.91875	7	4	3	686519.4	1679944	194198.2	1370002	554445.1	1896962	1766134	1732828	1379161
9.886083	6	3	3	1369830	2478393	1190247	4306409	3261451	2044225	1792679	4381971	1352599
10.008	5	2	3	650153.8	825856.6	442838	1270627	745048.9	582564.1	226964.9	1373560	865344.3
9.952017	4	1	3	2314042	2555945	1315585	1799053	627375.9	1726183	917985	4341778	2641979
24.27117	4	3	1	355824.2	757972	967566.8	231975.3	89362.85	2461757	598623.9	359463.4	208275.5
9.392767	8	5	3	919586.8	1969075	584110.9	1314103	1124755	2322221	2375227	1198073	1484745
10.00385	10	5	5	1156033	2590281	352462.5	2077059	911975.4	2930467	2305933	2737113	2848279
9.43325	5	3	2	314975.2	2463254	972175	1816964	829836.7	3634047	2323960	3028560	2295671
9.992233	3	3	0	277970.2	446185.5	271869.5	250304.3	277056.7	595409.9	0	612152.5	373520
9.55155	9	5	4	884769.4	2581751	665611.7	1957522	1025668	2169625	3168831	1903831	2253759
35.32683	4	4	0	256753.8	870579.9	1183646	222403.5	247673	2955957	630503.1	52870.25	379290.2
9.43325	7	4	3	361893.3	2091432	653420.8	1403708	1166558	2394172	3105169	1721007	1574838
9.983433	10	5	5	1202718	4123190	938746.4	3331929	1246011	4920241	5199633	3890583	2896178
9.858833	10	5	5	2924247	10071081	1853262	12879866	5011404	10386482	7376888	12060294	11349224
43.891	6	2	3	323273.1	4838317	1217383	5581140	799332.7	5692469	5296901	5799097	4561990
14.31187	9	5	4	522218.9	3888756	1388542	2878764	1442631	5815120	4666164	3419145	2188291
10.97857	5	3	2	263014.8	853413.9	94882.49	708193.8	259371.8	815968.2	914442.9	752323.9	986138.5
42.62533	4	0	4	319393.8	3258064	227010.7	3582231	575616.4	3424700	3482185	3178737	2910841
19.5635	5	3	2	193107.4	1216485	382263.3	1831269	1102330	1343404	1598359	573541.2	1273815

9.447733	9	5	4	1364488	5101544	1299322	4338741	713622	5600628	5853238	5832683	5422124
9.880683	5	4	1	1924658	2779844	1287392	5667988	5258775	1948504	2288753	5038946	2589891
10.008	8	3	5	708351.9	1260667	725296.7	1719168	540078.8	1755330	0	1375490	1736334
9.870017	6	3	3	1001675	3782348	739500.8	4786950	1775982	4824212	3764187	2981452	4137518
9.856867	10	5	5	1.22E+08	8.21E+08	92286630	7.02E+08	2.09E+08	8.23E+08	7.85E+08	7.15E+08	8.15E+08
9.952017	10	5	5	6806989	25795905	2923761	21201848	8227778	29113460	25874079	23287119	22480685
9.992233	8	5	3	335698.5	1226504	267384.1	908124.3	553422.8	1503925	1435167	863153.7	1051298
9.445217	8	5	2	417711.1	2854261	1002272	2125599	1042645	4370057	3098197	1905860	2913601
9.976317	10	5	5	1705411	5603465	1177074	4382363	2068162	6285391	7060740	4851930	4065320
9.63045	7	4	3	237540.8	880686.3	288567.2	614946.6	435001.6	1181277	1177344	683211	546976.1
9.56645	4	1	3	244994.9	574883	247399.1	406957.1	223167.6	307831.9	891533.8	617058.1	345622.9
9.872883	10	5	5	23170314	1.6E+08	23053801	1.34E+08	45711460	1.54E+08	1.32E+08	1.5E+08	1.74E+08
9.952017	10	5	5	5526538	20041859	2267788	16480888	6383600	22578248	20329437	18020929	17443878
9.94405	5	1	4	449862.8	749537.4	440405.9	1000025	195345.3	796636.7	0	1109455	1029435
10.88747	4	1	3	160315.5	642306.4	389936	409145.6	236703.1	377391.8	871335.9	254173.3	504298.9
27.31667	4	0	3	2077253	22641.98	10708.37	4994651	9187463	20873.19	10902.65	18264.43	23259.39
21.35717	4	3	1	105684.4	458538.3	190650	565933.9	76940.65	731366.3	587803.4	314143.4	319916.5
9.8445	10	5	5	3293554	5055046	992203.5	7376366	4238064	6056636	5528651	5066666	5207443
10.72028	9	5	4	306516.5	1036994	430435.1	761274.1	334853.7	824390.6	1648899	1307932	593588.5
9.928667	10	5	5	2303016	5010234	453964.5	4069304	1711720	5612062	4742828	4715135	4601486
44.9835	5	4	1	156600.2	490377.7	158518.3	584492.7	93184.13	663619.8	314136.1	467170.2	642326.8
10.9645	10	5	5	478396.5	2379775	346464	2115146	394644.3	2590717	2703664	1978365	2029588
20.92133	5	2	3	103629.3	275986.8	143249.3	186897.3	101748.9	224037.5	428349.3	140464.7	157185.5
9.93625	4	1	3	725012.2	631383.4	307380.9	1205088	1039726	633493.2	826054.5	1032762	328524
10.9645	10	5	5	9662417	64573577	8037457	58243689	9647552	69106381	71965508	55721402	55961473
9.886083	10	5	5	7257711	14065528	3865707	24965134	20002955	17006816	11019097	10940689	19345341
9.473733	5	3	2	524782.1	730890.5	593807.1	1168108	634660.1	266654.9	0	904323.4	1008601
22.92917	4	3	1	185060.5	704582	623297.3	1094503	452404.1	214493.8	311874.5	1448660	227901
9.920517	10	5	5	5238327	12263303	3125300	9486298	4498729	16322989	10436671	8542499	11540673
9.9677	3	0	3	751958.9	475876.9	334248.7	1291946	1494218	680612	128704.6	207207.8	428688.5
9.960817	10	5	5	2321875	7983389	1216686	6715215	2156697	10010437	7117670	8163058	7056480
27.89583	6	3	3	605197.4	2321129	2632942	894857.8	318140.1	7022749	1121965	1406692	1002709
9.845483	10	5	5	905634.4	3486687	418712.1	2897727	1048588	3429566	4005143	2926331	3771057
9.94455	6	3	3	801503.5	1713706	398916.2	1279797	745126.4	2070823	1874496	1812211	1781972
9.536783	9	5	4	311468	704519.3	148680.2	522774.2	318458.2	715797.7	883718.7	525513.7	589068.2

10.01477	6	4	2	1132971	501259.6	226801.7	1259017	1396135	704343.1	191820.9	741326.1	467491.4
44.423	10	5	4	2695622	4425952	1211136	16342801	22072522	6436700	3848493	4125843	4475289
9.94455	10	5	5	5841850	21967727	2576460	19859408	3294012	26075918	22496175	21447287	19337922
25.1325	9	5	4	17518678	46049944	84205639	619439.1	404392.1	14732005	981299.9	1.96E+08	4587361
9.4468	10	5	5	9900710	25767348	14397685	44809501	33723579	33714103	25798491	45050769	8776532
24.94283	4	3	1	375159.5	926107.7	1121195	319923.1	122664.7	2902134	690902.6	153886.8	403785.7
12.07693	5	3	2	344150.5	2741547	448930.5	2208061	931739.6	2876237	2369499	2502327	2490550
9.970617	10	5	5	3843498	7134597	2643536	8625414	1118151	9316371	9298027	7932178	6088377
9.848417	9	5	4	17879458	96458724	13306637	80722368	27464467	90177016	95998606	78446278	1.04E+08
39.892	5	2	3	857478.8	12717207	5733008	7952461	7512204	7149162	16652508	5775226	17117974
9.842	10	5	5	1791760	10735140	1874811	8606632	3690388	9750080	8689633	10071643	11676098
26.0825	8	4	4	298438.8	2865746	1441632	1933208	1163936	2090334	3853475	925925.1	2868888
9.999217	7	4	3	429131.6	609360.2	127312.4	826039.8	392142.1	619006.3	514092.1	820192.7	587838.1
16.9425	7	3	4	223860	434211	431453.9	194975.1	149716.3	211556.5	1090188	135368.1	655398.4
16.41835	4	3	1	646359.5	5527523	4216291	3087192	2205320	4276416	12876058	4383118	4042563
9.63045	10	4	5	2548571	5802530	1872550	9545475	6833199	8274438	5860500	5827740	3000649
10.45433	8	5	3	141436.5	401387.4	225554	268896.4	128692.2	234541	792302.9	366396.6	263569.2
9.856867	9	4	5	883045.5	5497393	509767.1	4620940	1589673	5845430	5193603	5490721	4836233
9.3735	7	4	3	1227086	11673340	2654617	9244936	3996359	11974702	12357150	14491148	7276035
10.69117	10	5	5	471614	2131939	365528.9	1794489	557107.8	2265738	2663711	1887518	1714801
12.79203	7	4	3	76256.82	271967.6	98460.92	337746.5	86720.29	222824.6	436329.9	274031.5	178210
10.94443	8	4	4	221710.4	670647.5	221974.7	547857.2	75727.92	419608.9	820113.7	456394.6	917872.7
9.972483	10	4	4	1923299	3720961	2013465	2432446	1586393	4266620	2180890	2017973	3197704
9.62495	4	1	3	17535818	54062492	29678034	33325120	28886703	70964228	58696829	2610492	61235619
17.19	9	5	4	142930.1	966881.4	419163.6	723087.3	227606.3	904724.3	545947.6	806499.9	908490.6
9.975217	11	5	4	1276552	5240270	2775035	3207700	2962877	6331719	644749.1	5114341	6083442
9.93625	10	5	5	1203030	3391477	930627.7	2786154	767564.7	4681070	3512589	2312673	2692771
9.994767	12	5	5	614575.7	1501800	490615.3	1915081	658307.2	1675895	2216954	1239920	909115.5
9.842	10	5	5	5253739	19194865	3482213	15368124	6615180	22430468	22109312	15559078	15372544
10.94443	7	4	3	824319.8	1103939	492221.8	1786902	1220076	983696.5	1557817	1652269	491102.9
40.68317	8	2	4	484751.5	6572837	885023.6	5661466	1553932	7247115	5473861	6862337	5810461
9.960467	10	4	4	2300462	7685796	2515493	9275488	1914482	4699467	9490592	5174772	9611561
11.55027	10	5	5	321465.7	785978.1	361392.7	1169173	657771.8	1008111	1108486	203698.1	683748.2
17.94783	3	0	3	1968576	31134.87	14308.19	6418368	11883057	41732.09	7909.139	27827.35	35279.08
9.972483	3	0	3	990831.8	1789475	900478.4	1144997	921100.2	2711940	338379.6	1813326	1760034



22.55233	8	5	3	34446944	1083066	483719.1	73431864	1.35E+08	953761	1682090	786855.9	517983.7
41.99233	13	4	4	303882.1	3482263	1907158	5275154	2983091	6149873	884007.3	3569966	2828448
9.975217	9	5	4	1210787	2653383	1155007	1835653	1157292	4242007	2514732	1198986	2073387
9.8445	10	5	5	1433433	6057867	2397945	4550116	1800143	5676208	5312729	2980650	9572944
9.842	10	5	5	1364498	5056912	645636.2	4159775	1604215	5956282	5280262	5160441	4595557
9.3919	10	4	5	3255551	27754332	8934723	20948656	10242594	35955798	12433360	29597456	30349960
9.992233	5	3	2	395193.5	601469.8	150869.8	835312.1	422090	654815.8	718106.8	739510.4	383809.3
9.856867	10	5	5	1837848	8633489	3324141	6671637	1961288	7211017	7226317	5917799	14359607
9.43325	12	5	5	4735240	41535193	14758164	30267475	16989837	54446018	51707848	48929595	32695998
9.208217	5	3	2	5723393	1305707	680725	11090019	18211788	336033.6	2260605	1332521	1281554
9.559117	9	5	4	646065.6	1505267	275798.9	1151813	626571.8	1564713	1930790	1313761	1217252
9.419733	7	4	3	708860.8	3733597	974908.7	2734237	1704261	4890320	4206262	3653262	3678143
9.992233	9	5	4	2158239	2412578	1273896	3656861	2096740	4564075	1185476	2242449	1888610
11.53673	4	1	3	190171.1	832520	269370.6	658311.9	219835.9	1170189	772819.8	942491.5	432012.6
9.95825	6	3	3	485452.4	1007434	216600.2	653082.4	642577.8	1021091	944523	956178.1	761177
28.28817	9	5	4	110911.1	600653.3	150308.5	472024.4	206919.9	416941.5	794736	499217.7	598662.5
9.3907	5	1	3	1063051	3884101	1848854	2533192	1972527	5151470	5103725	675214.6	4349491
9.40255	10	5	5	1133086	3188383	742765.1	2517187	1104055	3841202	3657786	2589235	2197288
7.252767	5	4	1	1075734	21266575	17538560	11468021	7096155	49422608	9313544	12478785	7810912
9.45945	13	5	5	8099221	86129180	34248294	66701226	16032146	62254369	88639501	83774269	54236031
9.983467	6	4	2	266094.9	653771.5	226042.7	467073.8	295747.6	322608.6	562880.5	679389	791931.9
9.994767	9	5	4	1541601	848915.9	194699.5	1156938	558034	755774.8	1103960	925725.2	582051.8
10.95602	6	2	4	195297.2	319364.8	237517.1	484286.1	229834	246894.2	733248.7	285729.9	182949.6
10.9645	10	5	5	3648398	18100082	3164204	15833175	3260214	20366312	21224851	14700165	14695483
10.18005	5	4	1	173775.6	454941.4	169676.1	330691.5	182243.9	371300.5	232582	522888.3	460458.3
21.66933	7	3	3	92202.68	447391.3	55280.01	351808	174226	472668.6	427827.7	515184.5	366454.7
9.4873	8	5	3	987491.9	2294426	1071000	4382636	3828172	2683283	3355184	3126858	1239820
10.00098	5	2	3	194316.9	276347.7	222052	408240.7	136637.5	119893.1	0	286005.5	546071.8
9.392767	10	5	5	1239628	3191731	775467.5	2512569	1106007	3887351	3776952	2386061	2314994
8.841533	8	5	3	292301.6	863094.1	644734.7	457301.1	489998.3	308867.6	1937716	838497.5	811712.9
43.66083	11	4	3	405715.6	7418732	1353491	6057563	2318232	6380380	6448336	9370969	8311593
9.903567	9	5	4	1025587	2851979	478200.6	2523795	452134	2532390	2246048	2961918	3484204
38.2085	6	2	3	346739.8	4349273	2058592	5658517	1613617	5711819	5763592	5720348	1132539
9.976317	10	5	5	1879993	7082579	571826.9	5872239	2227919	7715552	6651327	6359469	7520050
26.72267	6	4	2	247853.8	527949.7	688174.7	1047541	781785.6	163436.8	292845.7	1754875	169073.5

22.14483	10	5	5	496483.8	1844322	884652.5	1352152	350219.5	1183418	3362381	1817751	1576509
22.75617	6	2	4	249371.7	2114494	679337.6	1527631	951652.2	1634169	2483315	1478037	1858212
9.822117	5	1	3	12907576	270191.7	428370.3	25613221	47370324	65179.26	1031224	39372.07	165252.6
16.99717	10	5	5	77499.69	387941.4	119689.8	313951.5	86210.78	431798.9	267382.8	415479.4	273099.3
10.03947	7	5	2	500152.6	633856.1	261910.3	1039771	735899.4	463336.2	474872.6	834219.9	991300.5
25.3765	5	3	2	377163.1	696523.9	289890.7	1483510	1458555	804968.6	335464.4	441472.6	957731.3
9.460217	5	4	1	359660.1	2376930	1150710	1541744	1219244	3130845	3958557	1933678	1777005
27.54967	9	5	4	668974	2801603	1436119	3867523	1585560	5076950	2183358	1282747	3164822
25.1325	9	5	4	21051648	57897355	1.05E+08	1743605	2729458	25076313	1177065	2.45E+08	4678657
9.4632	15	5	5	2034416	17381353	3464079	15017694	3246104	14603974	19788365	21843134	13572903
9.445217	14	5	5	15265870	1.09E+08	32038867	87335771	30681576	1.43E+08	1.32E+08	1.2E+08	84686182
9.856867	10	5	5	13468097	90829328	11207431	76331998	25873135	92176919	89209977	77293353	87258505
43.25817	6	3	3	320679.8	4100318	1231639	3178573	1382161	5312665	3012290	5447542	3872688
9.912633	9	5	4	2950927	6870815	2331987	4870038	3243298	7967539	6789852	3296354	6651323
21.96867	10	5	5	175973.5	812236.4	141362.9	911151	139915.4	981294.7	859213.5	590926	823651
12.6321	9	5	4	1175283	10372284	1540526	8340870	3635620	11972031	8843851	8657115	10803922
38.5105	5	3	1	368517.6	6447968	2441306	5111630	788524.6	5336490	5638800	6065894	10693881
9.445217	12	5	5	3121037	23541326	4195417	18159558	9603604	26734679	24272230	21854537	27634406
43.73267	6	3	2	250616.3	3236243	1011030	3788812	318749.3	3839724	4117458	2588442	1774206
9.655117	12	5	5	4825136	20744468	8758904	29266342	14441819	31598777	22832600	13251545	10479657
10.02372	8	4	4	320301.6	877017.5	210330.7	693986.6	298685.2	608857	1059971	761972.5	838781.3
16.02337	10	5	5	137714.2	955819.4	285494	745368	312644	1170678	734875.4	1038270	1250302
9.3261	3	3	0	2398540	8506824	7020695	12543125	3729461	17405831	3170662	5269653	14627354
9.960467	8	4	4	577260.5	1470860	218576.7	1291151	286117.7	1631434	1729689	1451311	1365806
43.54567	6	3	2	293524	5105434	1974881	4035273	520227	4601009	7569432	6202382	2273250
10.95055	10	5	5	1087489	6639077	1733789	5244566	2195054	8283456	7578159	4536923	5001399
6.89925	4	1	3	72148.48	318572.4	137391.3	221638.3	138620.6	379952.2	378328.8	73080.96	389941.5
9.94455	9	5	4	753666.6	2808987	527533.2	2279932	904890.5	3427712	2886960	2355581	2192825
37.7485	8	3	1	421304.6	7604652	2879390	5879977	1870047	6790616	6488478	12499787	7325788
8.94605	5	2	3	514516.6	843397.4	829194	400344.2	87620.86	908001.2	2261762	350650.5	373299
10.9645	10	5	5	66559964	4.66E+08	55073715	4.23E+08	67009151	5.06E+08	5.11E+08	4.09E+08	4.04E+08
9.842	10	5	5	1344968	5610387	763173	4631373	1750205	6336464	6305522	4926332	4703432
10.95055	10	4	5	1791659	2941535	3813100	902714.3	484407	1670041	1496413	845059.5	9734178
9.3494	10	4	4	516363.2	2711641	1597721	1751170	1055342	4606724	3141340	308175.2	3323314
10.49953	9	5	4	223703.9	726319.1	176021	609261.1	156699	670773.8	907343.6	643185.4	504808.3

42.0785	11	4	5	2872283	15344355	20061794	4644812	1461883	5568323	51029398	4098429	9874992
18.17283	4	1	3	84710.85	483893.6	155631.3	338211.3	244675.7	667592.7	491122.7	517711.2	506960.6
9.445217	14	5	4	922947	6337088	2078022	5065243	1467024	8101836	8184449	7196624	4168441
9.960467	10	5	5	780231.2	2649543	548402.2	2231341	638403.3	3390162	3020203	2379521	2016423
9.856867	10	5	5	13458958	91781294	9958916	77309747	26222905	92667974	90029122	80691412	87798739
22.92883	7	3	4	88557.18	265355.7	133617.4	169330.2	140035.8	389322.4	170089	431136.5	151141.1
9.348233	9	4	4	744929.4	4914897	3265403	3037021	1753694	768753.7	2134750	6221765	7381940
9.93625	10	5	5	13931811	55402257	8815845	46459300	15364809	65582707	57915574	45412658	47069134
9.915583	11	5	5	1206864	1993447	414858.9	3173838	2199580	2298762	1800311	2397115	2097402
10.008	9	5	4	1456796	1077084	308364.3	1776801	1298234	1160716	1507111	1081484	653395.3
9.508883	5	4	1	832221.5	662313.5	388166.6	391624.2	384188.9	597774	572220.7	435592.6	370137.1
29.84833	10	5	5	1911900	7815657	619604	10395997	4832935	7981650	8147755	6791336	7754658
9.61185	4	1	3	286652.9	595900.6	455893.5	338923.5	215208.4	594878.7	146361.4	315062.2	1337716
9.41815	9	5	4	2410960	16915601	3065495	13507826	5975262	16267029	15519773	17638413	13463955
11.30818	10	5	5	2392276	1528109	279958.9	6181822	8747341	1818722	1711705	1286768	1177170
28.83433	5	1	4	201194.5	661955.2	282852.3	455871.1	304903.2	832886.1	777277.7	158575.3	786977.1
9.976317	10	5	5	28206742	33268576	8710949	43240207	17585531	47296968	33388419	33702071	25652839
10.9645	5	4	1	281126.1	657653.5	170572.2	506933.2	248749.5	818351.7	813648.3	574037.7	414491.2
9.88815	4	1	3	721296.9	1693617	917739.5	2628616	1611391	1511243	447371.4	2622728	2573685
9.94455	10	5	5	1932918	7950285	1213372	6605283	2359294	9232277	8197617	6627793	6748227
41.1415	4	3	1	359317.7	6200359	1066617	5624886	272657	7757717	6010050	6424098	6026955
10.02372	9	5	4	247999.8	792598.8	118707.1	626196	301193.7	685062.4	678699.2	768697.8	891163.9
10.98605	10	5	5	1339403	4992736	897325.5	4002743	1735291	4000289	6255860	4601171	4563430
9.4873	7	4	3	2338536	1550919	634137.4	2591706	1907007	1413753	1583026	1274712	2589994
10.97857	8	4	4	895983.8	5247763	552417.7	4661984	1018831	4807190	5441008	5097375	4780472
42.65383	5	4	1	276234.5	4129409	935276.2	3622906	266141.9	3922750	4696621	3113757	5428658
10.85018	3	0	3	141433.3	464226.8	136522.4	371727.2	127491.6	423539.8	591859.8	372849.2	311123.3
9.728817	3	0	3	12178726	1492584	565562.6	24880644	44015581	916750.6	2433004	1268421	1381370
9.8322	9	5	4	1506922	4963185	1333685	4002211	1410283	6366866	6302162	3966105	3444644
10.94962	5	3	2	251402.5	1125452	300811.5	865598.5	425360	1047651	908134.4	817645.5	1300094
9.992233	11	5	4	539031.1	1124239	469757.7	845007.2	300084	601831.7	959824.9	1572218	1664100
32.11367	10	5	5	2609708	3417374	595143.2	8669471	9881586	3797978	4269224	3152379	2870146
9.983433	9	4	5	889615.8	2546571	382759.9	1907375	1173365	2787749	2766785	2858884	2362836
9.9847	5	2	3	499724	649272.4	440906.8	922228.4	326496.1	1328456	107145.8	627837.8	678809.7
28.2445	5	3	2	142683.8	932082.6	409377.9	622324.8	472916.1	798438.1	1095341	412359.5	833894.3

10.008	5	2	3	466464.4	444487.2	287364.4	713275.6	453404.3	782148.4	0	561616.7	389551.3
9.840617	10	5	5	915489.3	3907538	373054.9	3487460	740305.9	4557231	3856985	3673740	3797754
44.10633	6	2	3	360765	5720285	2645384	4165450	1616192	10326500	4810215	4934879	5004412
39.77667	7	3	2	403713.1	4693709	440568.1	5617196	1714334	5167199	4180165	4292612	5037360
9.43325	12	5	4	550824.3	4594231	1553799	3435577	1751777	5690473	6128911	4957176	3959512
11	5	1	4	661975.6	2201591	966734.1	1622522	639518.5	2318727	3736178	1210639	1580234
44.375	4	1	3	287638.7	3814486	1134177	4555892	978081.4	1789350	4361647	4325185	4207994
9.856867	10	5	5	4359871	25856315	3917940	20468957	9753099	23949550	24089880	22283132	26684660
9.992233	9	5	4	846694.1	2776389	370583.3	2371363	710209.7	3157175	2922705	3016923	2269218
9.91875	7	4	3	6316654	4547287	4898379	9179569	7845766	2842267	2703124	13278688	1997255
9.388367	10	5	5	1559500	6576905	527083.1	5348637	2288116	7490062	6308492	6171287	6535596
42.323	6	2	4	319981.4	3551077	1555899	5029821	2509367	4406152	798386.8	4472800	4195677
9.842	9	5	4	1134606	4228829	760916.1	3090531	2077257	3821858	4313626	3665918	3824435
37.2695	11	1	4	329157	3018408	720453.8	2457987	872690.3	4283127	2546596	2583894	2816094
9.960467	10	5	5	2406441	7836294	1344246	6894453	1352433	9814024	7960779	6645294	6524112
9.842	9	5	4	787257.8	3122396	577624.3	2668155	712298.3	2950030	3715250	2251883	3564618
9.3919	8	3	4	615626.8	5131693	1831207	4126446	691762.7	7113676	4745665	5449617	2250764
27.14117	5	3	2	88384.27	271949.4	101168.6	378138.6	184926.9	211050.7	240243.3	153911.8	384634.4
18.30633	3	3	0	990427.4	169350.1	42745.75	1876792	3223177	202740.8	180377.8	144806.8	210756.3
9.929783	8	4	4	833526.3	1980667	384248.1	1491872	878694.2	2216515	2365119	1690066	1463427
29.87717	10	5	5	824482.9	1848130	1778922	3511201	2811527	1248916	1230938	831562.8	5013002
10.02372	10	5	5	489120	738393.7	207265	1004817	479659.3	757255.2	1040828	696505	738732.6
30.28383	8	4	4	209855.1	1205182	443741.2	963680.2	149222.8	1173799	1869213	642236.8	1055513
9.445217	9	3	5	17828904	80928172	52435183	48881737	37539452	1.38E+08	94568878	1.11E+08	1918660
22.958	3	3	0	229532.6	652259	458342.6	905469.9	188351	257033.9	1085064	378619.3	1214163
9.952017	10	5	5	5562742	20596300	2492245	16961605	6630072	23362543	21268131	18277242	17719730
9.853633	8	4	4	853192.8	3081169	778890.1	2366024	1203064	3618930	1879664	2703473	3668698
9.45945	7	3	3	695125.1	2683259	1150535	1910612	1062737	2313961	3418243	3416096	815302.6
9.559117	13	4	5	1016068	8422527	3510271	5986581	3476719	14443105	5954092	8383155	7289096
22.7265	10	5	5	238531.2	1181885	191333.3	1014306	277392.1	1339376	1361780	1171233	884770.1
9.929783	8	5	3	2038071	3195528	1439254	6239026	5668371	3004114	2633105	3532790	5370074
33.513	6	4	2	97303.29	238085.8	119863.6	332330.2	148210.2	347994.7	381116	112077	152286.5
9.912633	7	4	3	1898668	2156320	1385669	3711510	2749217	2395924	745589.2	1484029	1758622
22.56617	9	5	4	137889.7	808137.9	528556.8	522677.4	157230.8	990758.1	770523.8	129939.9	584517
9.872917	10	5	5	23016688	1.44E+08	9478716	1.23E+08	39888932	1.43E+08	1.35E+08	1.38E+08	1.46E+08

9.43325	6	3	3	485442.7	1710087	738890.4	1309559	239907.5	1638135	710538.4	2009514	2725352
9.872883	9	5	4	3143776	2560294	1284806	5560694	5610216	2951403	1750595	3860119	3482853
9.864767	7	4	3	425065	1330181	260661.1	1073928	440821.6	1251096	1555674	929189.1	1353851
9.46265	7	5	2	739797.4	2586777	682872.9	2093011	733871.9	1949313	3432383	2997263	2715642
9.976317	9	4	5	569996.2	1185899	284031.9	981252.5	303425.3	1214813	1200058	794305	1592087
33.77317	7	4	3	105633.4	651706.4	248865.3	499500.7	180017.1	1016597	394639.2	741593.8	450667.5
30.2805	10	5	5	799425.5	5264477	467094.5	4600284	1212141	4734919	5768464	5046781	5024659
9.340183	4	3	1	5265070	10106048	11776709	17650770	9759211	29020905	2058609	2785383	14347174
32.05633	4	1	3	877225.4	5929617	389699.3	7298502	2579703	6392371	5391807	6049692	5696572
12.28138	3	3	0	1938205	42727679	17949542	32828769	7438929	43655258	32284473	27814372	73080919
11.74925	6	3	3	1711041	485835.1	502762.1	3599931	5889313	1065667	1000657	63852.24	96960.88
9.960817	10	5	5	4008752	10709500	2293154	9437692	1004700	13466957	12339539	7650389	9528995
9.979667	5	3	2	6502188	2332080	1145340	10545851	15541414	1961652	3694562	1368601	1239613
20.31717	4	3	1	65411532	1.98E+08	2.74E+08	3.73E+08	2.23E+08	5.59E+08	1947167	4.3E+08	312541.6
9.872917	10	5	5	2695557	5717885	1598858	8705877	5552332	5457575	4401068	4007804	7580999
9.840617	6	3	3	1041214	2466387	928695.5	1786815	1021698	2806724	1617207	3684543	2774112
9.0511	8	3	5	4987233	4638096	4698032	2121461	1207604	12997913	1769843	3048856	2558807
10.95055	6	3	3	141343.2	501632.4	279498.5	337183.7	175827.3	623829.8	517483.1	232207	238631
9.915583	5	2	3	567117.1	1874481	617271.3	1329620	908202.1	985001.9	1892892	1786085	2717864
9.4468	6	4	2	2597298	5529354	5664189	9606048	6054396	3537224	4148668	3100205	15491680
9.887133	8	4	4	3075099	12516256	4354062	15222362	3326413	19082044	9907848	8344557	10562829
9.445217	10	5	3	453086.8	4278867	978177.8	3493493	1255118	5667627	4686508	4187851	3058718
9.530583	10	5	5	1056223	3809536	658466.6	3302703	790578	4644809	4267715	3705704	3447451
9.392767	9	5	4	2083248	5094570	1133870	3938382	2013260	5759371	5823836	3952464	3778485
9.55155	10	5	5	952111.4	2602898	626000.8	2030834	966389.9	2293126	3254583	1863286	2343083
39.97817	5	1	4	329395.8	4071294	613190.1	3654779	585614.3	5134350	3908150	3888296	3881405
10.94208	5	3	2	754163.4	1772605	656387.3	1310953	672733.2	2070095	2736076	1562289	1482275
10.67448	10	5	5	615946	3273019	551866.7	2838468	688129.7	2579221	2883301	3514991	3400243
17.45233	5	2	3	117926.4	788825.2	252643.9	611975	256712.5	956317.2	489871.5	582809.1	1096310
38.2085	5	3	1	338174.6	5006348	2326599	3778481	226372.7	3764468	9070470	4855625	3699560
11.76832	9	5	4	287705.8	3175644	732217.6	2693753	652609.3	3075318	3997007	2152067	2898898
17.60183	3	0	3	119841.9	595527.8	59108.58	497665.6	181153.3	547938.8	533791.7	681802.4	616806.8
9.848417	5	2	3	1695617	995188.9	850188.6	2920107	3610647	2291217	312672.3	265062.7	732652.3
9.419733	7	4	3	3584627	5956347	4192966	3467218	2758126	6448508	3202750	5902217	12582927
42.1505	4	1	3	194058.8	2158971	478601.3	2992168	1547246	2394041	2410605	2218059	1318085

10.36622	5	2	3	3184430	581451.8	172391.4	1581424	1896633	746180.7	622579.6	529641.8	698720.1
9.999217	11	5	5	653949.6	2116002	376608.8	1703715	729754.4	2226260	2700413	1696948	1972943
10.58813	9	5	4	308608.3	1205133	225597.7	1463440	460827.3	1169212	1579804	967845.3	1139305
18.87783	10	5	5	185985	911914.7	304218.9	667708.2	391438.5	1384866	810630.4	597638.9	749355.8
17.07417	4	1	3	530987.7	3074860	1230046	2078928	1603810	2396560	4015249	2332752	1893303
9.07525	10	5	5	8165399	48248887	12427487	38580142	15232740	51752965	68010844	42328160	43414938
10.94443	6	3	3	664654.3	2381494	580348.7	1601503	1421314	2309843	1919989	2035637	2262813
9.920517	8	4	4	718448.8	2063653	509105.8	1705055	524813.8	1381648	2798141	2172486	2043387
9.858833	9	4	5	1010303	3414328	1739958	2455925	738424.4	1854024	3082331	2369888	6325260
9.856867	10	5	5	3121956	13793364	357698.4	11655610	4058143	13959146	13522382	14221249	13928443
9.840617	6	4	2	1102192	3193048	1055441	4166676	1653912	2888820	2641260	2991793	5036861
12.41208	10	5	5	616346.8	3887685	1541133	5551067	2938839	3654336	3087022	2567455	6529494
10.45545	7	3	4	78903.66	242646.1	88980.54	304019.4	88137.44	383642.5	160339.9	180823.3	219831.1
9.388367	4	1	3	570018.6	425236.2	402555.8	854652.3	757587.4	1046302	153271.9	512257.1	414349.5
10.97857	10	5	5	2099463	9189217	1134509	8400425	1142861	8163416	10106503	7770575	9757723
38.89917	5	2	3	395082.3	5603782	751684.2	5092517	724158.8	5283400	5771503	5067830	6843913
37.15283	6	2	4	374214.9	5344876	1494534	4540777	473313.9	4026143	4713725	5225798	4855770
9.659033	6	2	4	279290.3	393859.8	237686.2	621175.1	390953.8	574582	37292.52	415204.7	307117.1
9.888767	9	5	4	5897695	25862824	8421800	20349135	7460202	17625412	21711472	21260521	30290880
44.049	4	1	3	265013.9	2885309	174351.8	3454130	1077130	2739316	2761448	2981954	3145979
9.92825	7	3	3	2086256	3119448	1227059	6012247	5446472	3610595	2322524	3606868	4592644
9.999217	10	5	5	2090638	4706050	1606508	3428997	2042968	7008013	4523020	2641250	5281507
9.94455	5	3	2	891265.2	1756993	418990.6	1342666	719280.4	1832202	2160485	1833143	1912015
9.903283	10	5	5	1692468	3985652	1387149	6517092	4725568	4204394	4185151	5972727	3402606
9.94405	6	4	2	768479.6	1425760	453648.5	1032005	656380.9	1968707	1674342	985780.8	925002.1
9.445217	14	5	5	3688438	26402071	7212282	21047546	8217718	33629305	31821781	28661201	21214283
9.522017	10	5	5	913104.9	2736818	914418.4	2185055	645858.2	2889176	3617888	3121119	2862365
9.9677	10	5	5	5187698	11214043	2080563	8552813	4838143	13455501	10187418	9408786	9533954
9.8322	8	4	4	817880.6	2719322	329947.2	2134750	1090390	2235302	2676926	2783950	3160676
9.419733	10	5	3	1639629	10937714	2723609	8922267	3086987	13343077	10844592	11234687	12825718
9.842	10	5	5	1984673	9833729	1104129	7982342	3443485	10615707	10201574	8634188	8698962
10.76405	4	3	1	94028.13	184873.8	59198.81	152818.1	21317.4	171913.5	282110.9	193098	143577.6
10.38125	10	5	5	2544171	9806540	1154976	8797710	1687548	9310498	11744549	9909824	9288260
10.15407	10	5	5	318503.7	1164411	469789.3	890940.8	289160	1248579	1212440	1860004	903729
25.2465	3	3	0	748695.7	2067395	2763311	618478.6	70825.84	6882601	1899882	673668.4	655652.4

9.544833	10	4	3	1322633	2594938	1233151	5666126	5798109	2197479	3148791	2297831	4326580
21.3515	4	1	3	258060.8	1742811	367032.9	1518041	272619.4	1454073	2323772	1699417	1412088
10.095	14	5	5	2521017	3377456	1828405	5222763	3225241	3946835	2765997	5507238	4059722
10.008	9	5	4	313524.2	958663.4	282953	731355.8	366492.1	957685.4	1275160	769812.1	598352.1
9.999217	10	5	5	664969.3	2809279	182208.5	2388593	793017.2	2905962	2523601	2837162	2771335
9.880683	4	3	1	7824031	28261547	20172533	39353814	8711549	19843925	15130859	55508065	43102067
8.845217	7	3	4	310508.7	718211.5	133448.9	1064598	654765.3	737603.2	940059.1	676335.6	621318.8
9.912633	9	5	4	1670256	3471054	790397.1	2644836	1456292	4375242	3114853	2357408	3476143
9.848417	9	4	5	3033255	7460099	2199198	10101686	4770051	7592095	3862199	9442555	9024364
10.70375	8	4	4	198704.6	678534.8	168914	565392.2	158368.9	876499.5	780409.7	718432.2	559934.6
31.13717	6	4	2	426232.2	3173302	726064.1	3724547	861178.3	2314545	3149454	2664593	4137269
9.872883	10	5	5	9814596	45510851	7414952	36346702	16616562	50637572	50128940	36979089	37876192
10.9645	10	5	5	726587.2	4735849	732123	4045106	1187433	5034534	5617160	3928418	4021955
31.11867	7	4	3	418054.2	4128515	419616.5	3749099	643633.5	4200390	4282480	3457084	4601656
8.902983	6	4	2	99313.44	205027.7	52386.19	168548.9	53253.72	177339.2	294308.2	197823.8	159010
7.252767	3	3	0	848083	27820708	11070952	20796129	9130142	26275872	29367712	45494649	21888987
9.979667	9	5	4	6258224	1109601	373530.8	3686737	4916930	1479709	1463273	1029685	584727.1
23.39567	6	4	2	48161.9	188598.3	64458.97	148559.6	50172.96	165692	172022.7	291148.1	197777.8
9.43325	4	3	1	418541.4	1788494	1155934	2434252	572733.9	1110752	697828.2	3100777	2983441
9.830833	4	1	3	2047611	1783028	710807.7	3324050	2903912	1832115	1084836	2959452	1583026
9.887133	10	5	5	22171718	37230527	5023320	68983103	60584507	38997820	43453334	29834339	38384154
9.573333	10	5	5	6612566	19896831	4248110	16381082	5764889	22152426	24889389	15728284	15190512
9.07525	5	2	3	294280.4	579253.8	383448.9	369187.6	162148.7	601291	1063229	767447.7	428411.7
9.933967	9	5	4	1777564	3693521	791372.9	5611629	3626116	4610882	3543048	3589030	4202139
9.03715	6	5	1	536972.4	1407308	318702	1104256	522762.3	1383111	1866174	1415860	1405749
11.02755	6	2	4	23092196	55111224	53597229	20879426	45059319	1.18E+08	95260521	799313.7	61172962
9.952017	10	5	5	6322780	20196703	3816474	16009667	7463896	23509737	19506091	15919700	17339758
11.09688	7	3	4	325414.9	948871.3	927606.1	459143.2	187188.7	443351.3	498992.2	2595972	477114
18.59967	3	0	3	942795.1	296064.6	62273.81	2357139	3940317	401364.5	293698.2	264229	239569.4
17.644	6	3	3	124203.7	780010.6	129784.8	624995.2	280186.4	957906.8	704449.5	637042.7	866487.6
14.15043	10	5	5	265356.8	2068123	460734.5	1694373	607627.8	2552956	2308888	1585414	1563555
9.445217	14	5	5	8084854	56097452	17139683	44201257	17356891	73998643	68779900	60852519	43263137
37.00033	7	1	3	321382.6	3268036	690361.1	3718915	613809.4	3659506	2039620	3542673	3476333
9.392767	10	5	5	15952531	46397317	9315783	36644631	17242790	52487706	52783403	36543493	35901130
10.9645	10	5	5	469334.6	2574017	336993.7	2311337	418319.8	2763956	2961341	2164795	2281934

9.435733	6	1	4	716087.2	1639666	653831.2	1269040	357742.9	1809998	1399633	2702168	1114855
41.07167	9	3	2	307735.4	3096659	1317244	3823785	602342.2	750136.2	3828284	3494929	3718705
22.104	10	5	5	37447232	2.77E+08	31107465	3.04E+08	45549448	2.73E+08	2.97E+08	2.35E+08	2.63E+08
9.8445	9	5	4	2137692	10019629	1624031	8080790	3507752	9247061	7808761	9873037	11315310
9.983433	7	4	3	434228.2	771019.9	229011.7	977136.6	350052	1150818	718161.1	723916	734474.6
10.64708	10	5	5	411745.1	1727225	354812.1	1453022	434742.6	1386184	2129759	2090834	1551122
9.952017	10	5	5	2385987	7427760	1560778	5849137	2771314	8742883	8083280	5838422	5658157
30.32733	3	0	3	9914519	350490.6	201448.6	47331720	89945882	583846.9	242025.7	223931.9	151214.3
9.55155	9	5	4	666864.6	1762325	386514.5	1372707	683686.2	1760641	2242163	1288523	1492916
15.35868	10	5	5	680226.8	5284972	834944.2	4684324	906454.8	6129594	6199215	4906691	4327101
8.99545	9	5	4	1042051	7637904	1664003	5936541	2995373	6356965	10337898	8125181	6897283
9.36565	10	5	4	496612.9	2350894	751762.3	1838667	735195.3	3468672	2327124	2568639	1921770
9.8445	9	5	4	987579.8	4105267	893925.5	3414908	1094966	4634842	4589068	3024944	3269097
18.01267	10	5	5	109109.5	532222.5	85294.15	446772.4	149797.1	649498.5	547453.3	429788	471526.1
9.324967	5	3	1	1527340	1478968	1687102	589469.6	353593.5	877702.6	786444.6	751375.5	4486127
10.98605	5	1	4	280855.9	632946	290154.7	478048.6	89153.51	729539.3	1047279	469256.4	274023
10.71765	5	2	3	294593.9	599008.1	318664	419343	170694.8	1015382	327939.5	866250.9	355153.7
21.26517	9	4	5	573250.9	3116807	909651.6	2592116	548716.4	2316399	4561573	3434350	2539934
21.09367	4	3	1	103312.4	381801.8	254352.7	240734.3	122499.6	648120.7	265758.4	107239	657581.7
14.89767	10	5	5	72399.58	599194.5	128714.1	472321.9	221772.1	726176.5	688086.8	396305.7	570399.3
9.640367	7	3	4	195172.2	498561.1	116199.6	389360	188470.3	618920.3	431355.9	549555.9	562638.5
9.94455	5	3	2	965075.5	1827521	537233.9	1443976	576815.3	2176112	2398167	2039076	1369900
9.559117	9	5	4	592313.9	1457393	358746.1	1124871	571691.2	1382635	1991627	1190109	1102558
11.44292	9	5	4	200703.5	869472.4	159174.5	743535.8	203001.9	828234	971266.6	642911	842533
10.03947	7	4	3	427741.9	495835.3	229657.5	783316.3	524771.1	432242.7	189675.6	701563.5	747282.5
9.191283	9	5	4	4374397	9294002	2393199	20095111	20661283	10300162	5855406	7786691	11406223
23.39617	5	2	3	92467.7	185864.1	39806.62	299294.7	215962.3	173272.8	224197.7	160952.7	230666.7
24.68117	7	3	4	127094.6	721481.1	385401.9	465539.4	358230.7	1019325	426987	522987.4	1243471
9.205717	4	3	1	3652509	9808091	3993740	22262083	23744929	6880661	9966438	9132556	6589962
9.94455	8	5	3	1431748	3400137	903309.1	2551348	1466415	3731213	2901129	3008121	2541076
27.34033	9	5	4	1125599	3942798	1425798	5934427	3681434	6167624	3116681	2491864	4412027
9.333667	5	4	1	347377.7	598681.9	347300.4	376424.4	296486.1	847806.1	833908.2	648095.2	663599.9
13.11377	9	5	4	335093.6	2536603	387234.6	2288759	330839.7	2542821	2961119	2214522	2088633
10.95055	9	4	3	215453.6	571977.2	122967	419040.6	279313.2	764382.8	565803.3	438843.1	499108.4
9.507167	7	2	3	531352.6	1581538	1823256	623753.8	361435.7	555241.1	597334.5	771101	4814020



10.9645	10	5	5	452076.6	1244074	209638.3	1078332	267564.6	1403012	1480830	1262728	1101277
9.979667	9	5	4	1002101	1840414	858771.5	2781104	1685830	2746924	2704408	1415538	783001.9
10.17587	3	0	3	1022422	825498.5	678702.3	464023.3	209381.2	1983149	229131.8	479970.3	762759.4
28.37317	3	3	0	726872.1	906168.3	425440.1	2653338	3345003	649735.4	1217407	399664.9	813576.5
9.845483	8	4	4	1540729	4608464	3085726	2923229	1330956	1621463	1299699	8514454	6031871
10.02372	7	3	4	997049.9	799796.9	255688.6	1555252	1441253	806955.4	468152.1	954759.1	1122345
11.96257	4	3	1	323697	206417.5	46329.23	703364.8	954368.4	236694.5	220209.3	164351.7	258835
26.526	10	5	5	3023515	50352313	6653950	42623892	13988894	51538760	60025963	41499651	50278257
9.507167	11	4	4	987969.6	5158597	2446338	3562911	2191109	8846269	3731637	2586206	4409625
10.94208	10	5	5	290486.1	1664528	463541.8	1352567	444989.2	2023303	1938692	1154372	1162795
16.16765	5	3	2	405411.5	1231229	1945727	216911.4	185942.3	171228.7	649509.2	197460.3	4694252
10.9645	10	5	5	259924.5	1124083	175971.3	947759	310544	1360578	1119920	944547.1	966746.4
10.9645	10	5	5	505531.6	2517876	459662	2072902	776996.2	2637959	2770314	1948591	2156057
9.311883	4	3	1	652157.3	1863245	1122308	2930916	1855842	2944757	511525.9	1507369	3103339
8.872967	4	3	1	170140.1	362149.7	109005.3	280805.1	127077.2	452297.2	266358.1	462684.1	403069.6
9.338567	9	5	4	4383485	11368712	5194125	8178401	3987286	8236383	8270826	8930160	10960362
9.976317	10	5	5	1242444	4595339	579492	3990133	1076388	5100657	5160362	4695298	3818025
9.8445	9	5	4	2545165	13180378	1874285	11123395	3693663	13363868	13034549	11155056	12184294
9.983433	10	5	5	1355293	4986116	750839.1	4051916	1709538	5331626	5910224	4564218	3952185
9.431017	6	3	3	1145424	9598417	5217417	6147792	4834383	6579284	5872692	4991967	15623405
25.71117	4	4	0	6528527	20322671	9870123	14235941	7674213	23617470	34818008	19870976	8637496
19.0535	5	2	3	1198631	8028347	2010196	6356795	2773231	10974495	6170863	6563703	7263013
9.845483	5	2	3	1984080	4006387	1268764	2799584	2099325	4398758	5431445	3627527	2046935
9.9677	10	5	5	563825.6	1556629	365027.1	1276784	445201.1	1840565	1884960	1717946	1071552
9.920517	11	5	5	2386512	4954656	755933.3	3765616	2224116	5931986	4696805	4635040	5490244
30.29317	9	4	5	284722.4	1513742	309370.7	1161846	636069	1668547	1949689	1451302	1136955
9.979667	9	5	4	736549.1	2208991	381512.3	1684811	970151.3	2570223	2381351	2109826	1593147
10.17547	6	4	2	263152.3	575702.6	321925	391890.9	188631.4	721808.6	230688.2	1010531	288544.4
13.85822	4	3	0	1311259	33522287	7682629	28379509	7316623	40559124	23058155	29427621	41284502
10.58813	8	4	4	581020	2367314	681761.1	1980006	389936.3	1926490	2274774	1558555	3263726
11.18537	3	3	0	150171.8	533634.9	131635	451385	106400.1	535807.1	614245.3	514367.8	328066.9
9.8322	9	5	4	1248937	3841927	974393.3	2948611	1539074	4294329	5037762	3106279	2609265
10.08658	10	5	5	770459.5	2634656	466504.6	2353438	339386.7	2093234	3162656	2577633	3052536
19.47583	10	5	5	483856.4	2751465	518158.8	2126407	1140902	3500620	2435934	2171164	2643621
9.929783	9	5	4	940778.5	2398092	785374.4	1697767	1195884	2923349	1988721	1550020	2044289

9.856867	9	5	4	1848177	7961152	2009312	6656714	1790304	7092564	5386135	9597019	10357361
14.8537	3	0	3	2351804	1134743	159457.2	7860118	12961960	1374228	1143358	934440.9	1072011
9.64815	4	3	1	574830.5	478891.5	94241.13	816446.4	647616.4	589842.7	447925.8	517200.7	336701.7
43.07117	8	2	5	321900.7	3947357	243952.1	3038745	1744362	4188628	3647026	3743266	3997197
9.845483	4	1	3	5554354	9325254	8853030	4422576	4387155	5350642	25058145	7016242	4278672
9.88815	5	2	3	1472877	4406283	960135.7	5157417	1212446	5066957	2897554	4047115	5251754
43.0425	3	3	0	378235.5	7295573	3263503	8992071	342169.4	9007272	4151563	10321512	9610107
9.920517	10	5	5	12764485	86086933	5372836	71193522	28488555	88804965	82082528	79750702	86518393
10.94443	4	1	3	440610.8	838311.3	185231.7	678947.3	268913.3	1067369	813490.8	917634.7	559301.3
9.3919	8	3	4	1795513	8549635	7436689	4513789	3127171	3324949	3720592	3370542	19891494
9.77345	14	5	5	1001217	2947720	628232.6	2426524	866391.6	3043343	3279891	2294028	2351303
9.976317	9	4	5	932274.8	1366855	574464.9	2204855	1562490	1049612	2193688	1032551	1731218
10.95055	11	5	5	285868.3	1503181	464970.3	1208335	392383.7	2002125	1824491	1131900	908581.5
9.960467	10	5	5	1853195	7522742	953443.3	6650478	1504717	8826573	8001519	7559394	6453711
9.888767	10	5	5	1299831	7770749	1154377	6161611	2990036	7219072	6423506	7400428	8405834
36.6125	8	3	2	327938.8	3756036	1918262	4847140	1116344	445976	4271832	4411794	5449691
11.03478	10	5	5	8526241	36593301	6777718	31699873	7506384	45843081	33009484	31795547	30593575
12.0789	6	4	2	310375	2066512	364059.8	1570895	919172.9	2339341	1698113	1852151	1885302
9.147367	3	3	0	2311483	3455019	3776741	5949649	3513831	753194.7	4939494	1176320	9460266
9.976317	10	5	5	668409.3	1654651	262763.6	1418599	405106.6	2059255	1663117	1708130	1440213
10.95055	4	3	1	544932.5	1203571	337919.8	911866.2	493568.4	1419451	1566481	1050830	703873.4
26.78083	4	1	3	109300.6	590039.2	392073	346042.7	315629.7	507101.5	1047765	142348.2	939067.2
44.40867	9	2	3	284630.3	2406298	680979.7	3999973	3042272	2171278	2686496	3028194	2818395
10.95602	8	3	5	370882.3	1324338	500417.5	1013408	401170.6	1699150	1840069	610134.8	1049655
18.98017	4	3	1	53210.1	317446.4	60546.41	265042.7	88823.02	227514.7	383740.3	325269.3	293773.6
9.915583	6	3	3	1331424	3156112	1687687	4255228	1523372	5040522	3124397	721810.7	2512521
9.992233	10	5	5	2869971	3158418	943201	4090317	1645223	2175747	3831031	4447285	2657790
9.9677	10	5	5	6195048	21885990	4675428	17896268	6734112	24944579	27327032	18604161	15806103
9.419733	8	5	2	463717.6	2839952	1211176	1971967	1327861	3799350	2399764	4339870	1348007
10.14225	10	5	5	965391.3	3810264	997410.7	4670976	1459499	3494493	4831088	4602700	3799196
11.74603	10	5	5	897590.9	4511542	678119.4	3979315	864681.3	4434509	5595939	3852214	4052695
9.206	5	2	3	5520188	15238258	12846211	7075305	10968678	23463870	726175.6	23373713	26842619
9.864767	9	4	5	6125728	42465837	5560751	35610763	12609683	38318502	42759984	44211581	36408559
10.8914	5	2	3	130749.2	589436.5	314254	409103.5	193033.1	519480.8	754593.4	364374.3	264644.7
10.10223	10	5	5	853285	2344835	1191833	1697896	519713.2	4220434	2757755	1753867	1177147

9.64815	9	5	4	614380.3	1804625	800648.2	1328119	567040.1	2525536	2491545	963515.6	927747
9.295167	6	2	4	963914.6	3928770	701885.5	3535783	382097.1	4345508	4890173	3812637	3120580
9.840617	10	5	5	1419711	6696511	338079.6	5901482	1522306	7178001	6647266	6782244	6235738
9.929783	4	3	1	883939.1	1216744	334213.5	768924	832225	1239075	1082181	770083.8	1305791
10.15407	10	5	5	388473.1	1347387	344277.5	1110061	352244.3	1095934	1798279	1551882	1350572
9.93625	10	5	5	3147494	11181345	2233490	9153545	3507550	13900905	12182470	8659071	9086196
9.915583	12	5	5	1373683	4262639	1067058	3650495	657451.3	3058906	3284576	5003842	5512951
10.96997	10	5	5	1.61E+09	1.07E+10	1.49E+09	9.56E+09	1.74E+09	1.16E+10	1.16E+10	8.66E+09	9.49E+09
8.931783	5	3	2	426625.7	829081.5	343247.9	613891.7	284408.6	832719.6	1379052	838883.3	476723.9
12.0215	6	3	3	1079753	8083932	1293946	7045741	1710719	8450471	9294695	6582701	6854197
9.91875	10	5	4	4218712	5530974	1250377	9500414	7647998	6005737	4285206	5954900	7159932
9.416767	4	0	3	6053212	211821.5	387399.5	14455809	27616960	0	0	0	166372.9
9.8445	9	5	4	1175601	2909283	379691.4	3479304	1071003	3326262	3179893	2342169	2830526
9.43325	7	2	3	3983998	23738359	11763031	15549377	12282199	33373264	13639900	31728792	31518128
9.388367	10	5	5	1871923	8115089	2250197	6471175	2563336	10525431	10499360	6529050	5770513
9.4468	5	3	1	3538823	8346259	6234990	13154451	7765375	3227889	3908524	14373952	15900598
9.445217	11	5	5	617839.4	4738321	1326814	3798684	1431519	6253112	5816968	4780268	3654388
10.94443	6	2	4	232191.5	415283.8	304891.7	631546.8	329923.3	299503.8	946175.6	371669.4	176256.5
9.3919	7	3	2	577808.6	5014363	873082.7	4068602	1710345	4594835	4287174	6404670	4455724
14.64863	10	5	5	206798.8	2312208	431323.3	2015637	440214	2188540	2095823	2125451	2071431
9.445217	14	5	5	18202100	1.74E+08	57887931	1.35E+08	55936900	2.37E+08	2E+08	2.03E+08	1.35E+08
10.97857	6	3	3	287074.7	800695.4	445254.1	1220060	734712.2	1240365	1303908	543032.8	307553.9
9.664767	3	3	0	4258294	2703642	2153774	7192340	8580676	5645787	688767.6	4107124	778964.8
42.48133	7	4	3	360899.3	5654961	1943669	7110588	2312283	6593884	3611859	7878638	6592572
9.93625	10	5	5	13897499	55139371	8959035	46464478	15321868	65612257	57777133	44974771	46710793
11.08292	6	4	2	15809392	18544964	27797039	40790983	36702656	5193557	68186823	5269204	8914244
9.979667	7	4	3	773869.6	844583.7	301093.2	1388700	1035440	729625.5	925738.7	1181053	390090.9
9.840617	3	0	3	1961865	1263714	216583.1	3874086	5068342	1297609	939973.5	1548785	1251967
9.445217	14	5	5	4163892	33202312	6025251	29178591	5809717	28623023	37976759	40340338	26099869
7.239667	5	4	1	309626	3887657	1200207	2994877	1413235	4189851	5376581	2523508	2807651
10.9645	10	5	5	704498.3	3228866	609392.3	2677285	956277.5	3357748	3795157	2502743	2687382
9.6501	6	3	3	173360.8	300474.4	118371.3	386418.3	133851.5	435940.5	244936.6	353979.8	340637.1
9.928667	10	5	5	2617774	6065521	562361.5	5175886	1682077	6603187	5364438	6043078	6641474
14.20985	10	5	5	90926.98	537281.3	219417.6	368165	273985	718921.9	738457.7	243409.3	372819.8
10.94443	5	2	3	331557.7	430488.2	198156.8	1003876	1106792	309031.5	770766.2	429911.2	284569

42.71167	10	4	3	326514.3	3343853	842303.9	2893730	326964.5	3784809	4543420	3185684	2803667
21.80583	9	5	4	305888.6	1571633	360048.4	1351428	281239.9	1127938	2115620	1641935	1542276
9.338567	9	5	4	1063814	2523003	925857.2	1865058	1009516	2516813	2208866	1546323	2295406
10.95055	5	2	3	468202	1332847	564666.8	981513.7	462642	1255567	692043.5	1001705	1542261
8.989067	5	2	3	197658.4	464922.3	150836.1	352594.1	178370.6	606521.1	511691.9	424072.5	223504.2
9.9014	8	3	5	3419722	18589157	3400293	16312427	3308747	16539877	14971550	23467808	20540426
23.0595	10	5	5	151601.7	764266.2	269339.1	620131.1	107099.8	891341.3	1058091	356642.8	654070.5
10.9645	10	5	5	498790.7	1848372	365602.1	1541363	519231.9	2259876	2183602	1441159	1557192
9.842	8	5	3	5002283	3496641	1151180	9081940	10844255	4796079	4402315	2146538	2519692
9.972483	9	4	4	1187658	2311562	1195282	1545826	1055870	2512084	269535.4	2530535	2857818
9.900133	12	5	5	2829678	4336971	1319575	7215920	5530498	5547022	3590755	5894981	3812220
9.582167	13	5	5	1165792	7692386	4571966	10221873	2392568	7809878	13074432	10303561	905617.7
9.896717	10	5	5	18464214	71465461	6689958	96142137	47842889	80363438	62550145	71201744	68423517
24.1465	5	3	2	248037.3	891117.8	552663.2	1460780	1024646	705652.9	1131653	85261.57	1581350
9.507167	12	5	4	1477519	2751433	741028.2	3252980	738250	4050710	2493097	2483753	2176369
7.318367	6	4	2	972896.7	47577083	15754549	34085050	23024555	62110291	59286753	53730926	37775954
9.93625	10	5	5	33390086	1.3E+08	20717287	1.1E+08	35547944	1.54E+08	1.36E+08	1.07E+08	1.1E+08
9.8322	5	3	2	29597324	8821555	8453006	33163233	47074727	2625366	1519327	17644420	18416211
10.00385	10	5	4	1518364	1725315	1756959	822295.8	139347.9	4866585	921551	1007017	855966.5
11.15797	6	3	2	3404769	4319250	3284687	6905173	4251203	1755242	181308.7	6436080	8106358
9.992233	9	5	4	1112056	4027152	1311837	3175860	1196905	4026005	3168856	3070902	3596300
9.445217	8	4	4	672499.9	2923226	705375.3	2199028	1302891	3866449	2188738	3454662	2601734
9.992233	5	2	3	3052148	5596554	5450039	2667286	2309116	724083.4	992283.4	14158011	6331709
9.960467	7	3	4	1165485	1680149	609691.7	2375931	1276588	2425170	1639835	2045425	1480088
9.445217	6	3	3	844110.5	4782643	2138333	3639252	861171.5	2120124	5642886	6246460	6984214
19.796	10	5	5	496074.6	4090883	660626.6	3638162	676289.9	3316724	4828323	3926994	3664125
9.40255	9	5	4	2353615	6434573	1508002	4745722	3090284	7558299	7573067	4761038	4805434
9.896717	10	5	5	5099810	11107625	2956341	16881442	11071816	10261715	11376689	8449087	16032141
9.522017	5	1	4	411346	429607.4	232989.6	1036524	1173183	589609.7	583661.1	624147.8	192947.2
9.976317	5	3	2	9540260	4716998	7215347	12153976	13402230	1173293	3195551	519155.3	1198377
9.790617	6	2	4	1476100	1607868	719987.9	2970027	2609256	1762944	515183.2	2468940	1881878
9.896717	10	5	5	4717100	27035286	1573319	24181937	5455781	27611429	25075190	26614111	29337991
9.460217	8	3	5	379597	1695483	737515.2	2465592	1391824	2281767	2597530	1608480	1114965
13.75603	8	3	4	79664.56	493277.3	181567.1	376802.5	161679.3	737275.3	588801.1	267995.1	381709.3
9.433	12	5	5	3251478	21557978	6025136	17479338	6027130	15154809	21876323	17435874	30846218

38.84467	5	2	3	466681.8	8650743	5319669	5914762	709696.9	18140836	6336301	6679516	6465813
10.008	7	4	3	248956.3	639300.1	195484.3	490148.8	241672.7	724148	866624.8	667727.6	336394.4
3.303783	4	3	1	182898.3	1030253	763361	610593.4	390014.1	0	2058247	763775.2	1394369
9.559117	20	5	5	14174422	83590120	47245344	52008554	46111277	1.32E+08	8061621	1.1E+08	75839144
10.57323	10	5	5	1095535	5481559	945612.5	4902554	748953.7	6054264	6596172	4727552	4306978
10.58813	10	5	5	495981.2	1891431	374247.7	1576554	535354.4	2478656	1960636	1499662	1653941
10.57323	10	5	5	8067538	41516925	7445046	36331022	7881575	45005625	48577124	33971063	33006546
9.445217	10	5	5	2001858	16112719	5464488	12049303	6487997	21322751	20906577	16369771	8100629
9.999217	9	5	4	544263.1	854533.4	201603.7	1160611	580095.8	996106.9	987704.5	1018938	660876.8
10.35132	10	5	5	846102.9	3248429	415499.7	2887262	622303.6	3130790	3959363	3063340	2880436
9.365833	4	4	0	1656487	1716473	950264.9	6597803	9518329	2908531	2479573	1506862	987379.2
9.94455	8	4	3	787003.8	2122420	622919.6	1509091	1096340	1594669	1413767	2916263	2196582
10.1265	4	3	1	208926.1	410518	261009.7	271228.5	105265.8	120388.2	788371.4	483670	213324
38.48183	5	1	4	313866.8	5165772	598849.7	7601352	4743412	5315343	5498987	5226518	5652185
20.24783	10	5	5	72175008	6.28E+08	81785130	5.72E+08	82361828	6.87E+08	7.04E+08	5.28E+08	5.51E+08
9.859983	10	5	5	9148330	19275379	3898998	32717088	26142487	21335070	19635491	13834080	24122613
9.848417	9	5	4	2217226	10257297	1704755	7537018	5176946	10633264	10400633	7966839	9618379
10.15407	8	5	3	234897.4	840553.3	277052.6	1171959	613979.8	986264.8	717775.3	640634.5	1256992
9.896717	8	4	4	16683920	16242221	21669951	42947033	49666046	4903173	54712460	10096236	8183881
9.392767	10	5	5	3825302	9259274	2358607	7052393	3896120	10371247	10991129	6752658	6674438
9.976317	5	3	2	515189.6	1217204	524270.6	889757	439784.7	1628070	1702457	1122709	1243551
9.859667	6	3	3	904390.8	3308338	741898.6	2345042	1803312	3723029	2583181	3458358	2531691
44.9835	5	1	4	106758.8	156188.7	60393.65	200500.5	70303.99	243089.4	94340.33	125529.9	192584.6
9.842	8	5	3	758273.8	1658476	411574.3	2140681	891625.5	2097869	2068586	1527807	1156088
11.01617	7	2	4	19831438	46810379	39728155	23234908	28805089	81601198	3840620	66940804	3552932
10.17355	12	4	4	802618	1296286	1059352	739795	352586.5	1111303	579043.1	575147.7	3133285
10.95835	5	2	3	196636.8	440980.6	146371.7	588934.2	266561.6	473356.2	681957.6	316902.4	371021
9.538267	11	4	5	17107334	50714725	48231240	25526225	14475829	1183899	49375512	1.3E+08	46570987
10.00385	10	5	5	610835.4	2219419	180888.5	1914873	582173.8	2257039	2003164	2464182	2084853
9.845483	8	5	3	1516553	5964909	1271912	4333603	3052346	4933281	4602838	5854002	6768481
9.03715	10	4	4	225884.6	1061690	374794.3	753398.8	521114	898988.7	1167621	1516140	517459.2
9.960467	10	5	5	705241.6	2033116	269218.4	1738844	538743.2	2428242	1923022	2182870	1864320
10.9645	6	3	3	301269.1	783106.5	283975.5	609311.4	226442.8	1278713	693671.4	710445.4	552909.8
10.9645	8	5	3	231901	1095387	468606.8	823839.1	313706.1	1209804	836900.5	734607.4	827780.9
9.824233	3	0	3	1146018	1119621	547917.3	2019786	1719569	1440407	292154.3	1444446	1592126

9.392767	9	5	4	1904638	4972580	1140842	3967054	1746908	5667539	5839718	3643849	3812243
9.856867	10	5	5	61973140	4.06E+08	44981530	3.44E+08	1.17E+08	4.06E+08	3.88E+08	3.61E+08	3.94E+08
22.94333	10	5	5	196930.5	1588214	360631.5	1900177	538514.7	2128350	1302744	1675956	1216188
10.94443	10	5	5	1606364	7745582	1633636	6412228	2248446	7612398	9203498	6100826	6206274
10.95835	10	5	5	2310240	6604842	1862864	5167989	2357351	7213428	9311691	4287289	6502574
9.146383	6	5	1	411947.7	1368572	600303	895552.1	784893.5	1890095	612532	826180.5	1726276
18.26967	5	0	5	875008.1	7467959	542323.5	10167733	5281254	8036551	7601231	7088094	6741601
16.0528	9	5	4	569416.4	3722043	949309.5	2939502	1326409	4814809	2694993	4406376	3897558
9.986767	9	4	5	1027670	1910422	724093.8	1436073	683086.8	2186940	1612526	1243910	3045319
23.77817	4	3	1	61890.07	212236.9	41604.72	246663.9	58460.04	246973	228475.7	160313.9	175582.2
9.983433	10	5	5	752943.3	2628501	1072256	1859708	1204617	3620658	3832277	2223524	1287094
38.3955	7	3	2	363372.7	5743630	511190.4	5155146	1088305	6480449	5361286	5183716	5742505
16.98667	5	2	3	31344.16	116938.9	26848.93	99784.83	23964.12	155690.8	133795.9	104779.3	93509.21
10.9645	10	5	5	1447318	6249546	690563.6	6959375	1286870	5977695	7465369	5739545	6008928
17.4245	9	4	5	130455.7	801375.4	345215.2	557124.3	378975.6	1267800	566321.9	874896.6	924616.1
10.9198	5	1	4	366662.9	636846.3	215828.3	818139.2	309948.1	692892	684855.9	360585.6	511130.5
15.84837	10	5	5	209334.3	1408124	216551.7	1227173	308797.9	1674143	1226304	1377550	1583032
9.3494	11	5	5	500744.4	4378149	1499529	3126783	2134370	6280804	3819185	5343125	4079869
10.44215	8	4	4	215425	700741.9	99013.87	605399.7	170344.4	640039.3	748290.4	732643.1	564727.4
9.933967	6	3	3	1350794	3555061	1060121	2583775	1712012	4555747	2843829	3603372	2176048
9.523383	17	5	5	5752677	36677981	8206005	43794943	12322482	27922698	45190407	31269299	33379459
9.46265	10	5	5	1270787	4706459	717027.6	3877135	1535845	5497642	5131159	4908498	4316955
9.976317	10	5	5	1217723	4593913	469282.6	4072337	960012.4	4879976	5049658	4708752	3840583
9.445217	14	5	5	5684322	29336982	8977914	22354154	11531507	36713299	39023488	30434396	22265824
11.74397	7	5	2	84050.72	250170.2	130336.4	324623.3	83182.65	299808	400725.7	78723.33	316457.4
10.94962	4	3	1	51493324	1.01E+08	1.42E+08	1.91E+08	1.24E+08	680467.1	1076557	1.98E+08	862167
9.93625	10	5	5	33265898	1.3E+08	20728573	1.1E+08	35609150	1.54E+08	1.36E+08	1.07E+08	1.1E+08
42.76917	6	3	1	258575.5	3927804	1778675	3013361	362145	3299329	3621461	2561530	7034328
9.445217	7	3	3	1145544	3055205	1534356	4210958	1876010	2145221	920930.8	4240358	4655978
17.31917	5	2	3	455180.3	6185052	2425074	4556786	2416453	6673288	10118421	3942556	4642111
10.71928	12	5	5	1776487	7108399	1367604	6100671	1613707	7479316	8317836	5621857	5707455
9.55155	9	5	4	641251.4	1522681	344940.8	1149261	684978	1611608	1992062	1232952	1135706
10.95055	7	3	4	297713.4	739480.6	251969.6	567245.1	260172.1	1036300	963853.4	486123.7	517664.5
15.86305	3	3	0	161913.2	1578922	286219.7	1355129	371078.1	2045627	1314387	1508927	1627419
10.9645	7	4	3	383537.9	1024050	277069.4	1229282	329894.5	949861.7	1135676	870031.1	722766.8

14.07785	9	5	4	173052.8	1177917	200565.3	1057270	153713.2	1023751	1482633	993987.9	1124252
10.95835	10	5	5	250548.5	1304257	295046.2	1125667	230292.5	1408266	1733096	1147440	945659.2
30.23783	3	0	3	78063.28	302617.5	56079.99	268493.2	44434.85	372102.8	338179.3	278208	298630.4
9.859983	10	5	5	1852924	5226880	1397404	7315866	3981639	6488588	4091928	6482466	3440494
9.858833	7	4	3	1377006	5083517	1660513	3981494	1618952	4922542	2791432	6921000	6436255
9.976317	9	5	4	993572.7	2338914	338744.6	2810925	894740.8	2895339	2069942	2227202	2407751
10.95835	9	4	4	242340.9	702904.5	197059.9	1038897	645766.7	1034747	690433.2	596291.7	670877.1
9.388367	8	3	4	1152171	11312632	3595523	8770950	3957174	16915958	10591720	10966999	6878196
11.26148	6	4	2	65928132	59959072	1.28E+08	1.76E+08	2.04E+08	2.9E+08	3933456	1201798	341537.2
18.92217	10	5	5	674443.1	4438928	1655395	3350486	1583842	3914258	5901575	3357868	2591123
11.48308	4	1	3	2065310	600322.4	272136.2	3830742	6352555	736229.7	712410.6	758776.7	677712.3
9.431017	10	5	5	1021607	2162714	1216983	3059986	1441300	991312.6	3909395	2898597	1730755
14.54613	7	4	3	79429.84	545411.8	196308.8	423607.5	164376.3	715873.9	424127.7	573346.7	737753.3
9.928667	8	4	4	34772236	21865321	10603730	80239730	1.15E+08	14589271	20456518	36294680	28215993
40.7405	11	2	4	305177.3	4464465	785964.4	5410210	1766618	5051802	5078848	4200093	3208604
9.111033	3	3	0	271372.4	624753.3	300156.4	383637	406182.2	677014.5	268420.1	822007.7	983167.5
9.976317	6	3	2	364660.9	770471	172717.7	538064.2	439632.7	810109	960113	635019.7	551740.7
9.952017	10	5	5	1878229	6398220	1235063	5256319	2025794	7856952	6947610	5046935	5166997
9.859983	10	5	5	14239396	76052612	9222796	64807480	21045524	72139491	74318640	69767946	71741326
9.872883	4	0	4	4492989	10230570	3738174	6257641	7280226	9169612	16080885	10865531	5870809
14.39982	7	4	3	411809.7	224129.3	70942.95	1603405	2716287	236722.8	327273.6	194228.3	229976.6
8.983883	6	4	2	1083190	1433893	2155460	2813956	1951526	132922.8	1075432	160024.6	5228432
9.392767	9	5	4	1826024	3586758	1177720	2677062	1504894	3735193	4260387	2278387	2556686
9.952017	10	5	5	7135768	28707287	4356154	25558923	4998981	34521699	31655546	27779736	23828009
9.5021	10	5	5	2224618	6271519	920040.3	5140605	2120801	7288269	7247549	5831731	5504521
35.35867	4	3	1	159915	578768.9	724035.9	208783.7	126943.3	93645.75	185918.7	31630.72	1734272
9.91875	9	5	4	2592713	5917471	1114580	4810409	2002719	6483300	4860080	4833420	5958796
20.47567	6	4	2	160345.5	431158.1	124771.6	649028.8	420175.3	295513.8	525910.1	363670.7	374743
9.859983	10	5	5	3731467	2836210	789738	8001439	10169935	2903044	2796758	3558910	3379077
42.5245	3	0	3	331372.2	4565029	220929.2	3643291	1811426	4338658	4830607	4624042	4335424
10.9645	10	5	5	853770.4	4161744	722391.6	3448479	1289501	4165553	4719137	3394887	3500542
9.920517	11	5	5	1794110	10336771	880786.2	8576154	3417092	9803054	11455875	10690101	10574678
43.17183	4	1	3	373807.8	5555880	143150.6	4988044	1115935	5499385	5803981	5547295	5478516
31.49367	7	3	4	1274326	9316266	8259428	4907369	3644774	2996256	6183911	2710904	22373165
9.8322	8	5	3	775431.6	2681952	771985.5	1979719	1242991	3326344	2789785	1846875	1930854

9.82645	6	4	2	1026315	2933495	1236199	4033462	1933819	5035356	1995991	2189266	2428573
10.99268	9	4	5	430571.6	2895414	824126.2	2418383	563658	3416396	2650379	2581547	1845253
12.42808	10	5	5	477186.1	2925328	1327317	4289731	2490287	3063699	2612676	1975913	5129955
9.3919	9	4	4	990599.3	4306182	3081255	2670183	1299413	2043277	9635259	3264154	4107233
9.976317	10	5	5	2490080	5263219	1469790	4181875	1741795	7739296	4467051	5343911	4782870
9.91875	8	4	4	1391225	2696021	410321.2	2365337	559902.7	3174822	2853321	2409971	2892725
9.94455	10	5	5	1399339	4338639	597126.1	3856052	818149.2	5214952	4352273	4243560	3533051
10.95055	9	5	4	452678.6	2831042	761642.7	2246523	965831.9	3157120	3101099	1937404	2174096
9.845483	10	4	5	853828.5	3327938	1275492	2629279	680294.6	3094399	2239526	2870481	5535960
23.9805	4	1	3	136193.7	473521.5	289276.2	301732.6	215807.5	274492.2	695982.2	137251.6	425477.8
9.445217	14	5	5	1963692	13161473	4052838	10368055	4287820	17002806	16554169	14349287	10082176
10.66002	6	2	4	77002.62	188385.5	66145.65	141132.7	74650.17	289593.9	179801	205867.8	113122.8
10.36388	4	3	1	173961.6	436229.7	241354.6	305968.8	117383.3	346041.2	843356.4	424000.2	204664.4
9.94455	10	5	5	1087115	2877764	889545.8	2372919	566014.1	3277414	2109731	2123273	4218910
10.9645	10	5	5	263241.1	1116703	228203.2	939693.3	294553.3	1290562	1279800	858022.2	875699.8
9.275617	4	1	3	434043.3	238433.7	240373.8	489112.3	459479.5	274819.3	160882.8	0	631059
9.445217	13	5	4	2584974	15142500	5476778	21249311	11326978	9234822	20146685	20361135	9557578
12.85108	8	4	4	306162	592147.5	110176.8	1064056	929621.8	698460.6	663086.5	452978.6	495235.1
10.95835	10	5	5	1028574	6543507	1668052	5404179	1737484	8063201	7544831	4492726	4985285
9.416767	4	0	3	6024099	14884.86	33283.56	13954821	27552299	0	0	74424.3	0
9.960467	8	4	4	1209225	2067939	672823.8	1636402	615868.3	1957893	2964818	2530364	1450468
9.880683	10	5	5	46661912	89492461	16701591	1.55E+08	1.29E+08	1.03E+08	80155639	1.05E+08	93351494
9.9677	10	5	5	1630168	1543036	139831.2	2605289	2098334	1704822	1495213	1594066	1331052
9.960467	9	5	4	3604294	1446104	399715.1	4212482	5464479	1802054	1744139	1541068	1330553
9.960467	10	5	5	8709958	23586216	4285048	19070847	8302204	25992188	27408345	18945559	18903183
9.43325	12	5	5	732697.4	5954794	1794520	4741738	1834592	4513241	6499480	8690667	5850912
10.94443	7	3	4	227988.2	576798.1	195870.6	743161.8	288634.4	884884.4	658830.9	420633.8	454351.6
9.960467	4	1	3	2022433	3339154	1119842	5130875	3451470	1806241	3564384	4587932	4094711
9.9677	4	1	3	37949968	65954183	46130957	37269201	39288456	1.18E+08	25920890	13978225	1.05E+08
10.95835	6	3	3	154898.3	243872.5	128955.6	368519.7	225053.9	116852.8	280470.5	433689.1	257715.3
9.93625	10	5	5	3102579	12377904	2133586	10366889	3608022	14828784	12968247	10023152	10292118
10.9645	9	5	4	491290.8	2812412	783765.9	2259229	868744.9	3175841	2742147	2040316	2154849
37.10133	5	3	2	212359.3	1506025	436580.3	1204476	465412.4	818007.2	1512934	1433787	1884861
14.341	5	3	2	173754.3	995155.5	1130507	1660269	824682.5	240438.3	2303020	145181.4	2159828
11.63542	8	3	5	131631.4	1278643	331986.3	1066932	300661.1	1496906	1655756	838064.5	1051384



9.701933	4	3	1	312877.7	291815	132753.3	398817.9	181879	371408.6	275949.3	207623.7	133806.9
9.983433	9	4	5	857373.9	3864396	540669.9	3371795	875857.5	4374226	3990594	3328562	3265982
10.9645	10	5	5	304026.4	1551556	323783.8	1263819	507703.6	1779211	1880043	1193452	1216142
9.43325	12	5	5	3978087	32795920	11497052	25462352	10423716	44291673	39478505	37852491	26489779
9.975217	10	5	5	2295421	3107068	874151.9	4522201	2730718	3903068	2098875	2575492	4129847
10.95835	10	5	5	435556	1318031	424939.9	1027427	445259.4	1457624	1925562	970648.5	1376177
9.45945	11	5	5	3198507	28758602	2688494	24521716	8165932	33311502	28755315	27182710	26472323
9.960467	10	5	5	1672618	5953263	574529.2	5366673	1073837	6712853	5675892	6382391	5680612
10.98385	7	2	5	551002.2	2205361	634408	1863627	310422.5	2725062	2708052	1168449	2135764
25.89433	6	3	3	385404.5	3707525	887337.6	3101546	927902.1	2828215	5054548	3310263	4120360
21.39367	4	3	1	96613.18	269859.7	150565.5	193357.2	25686.33	529176.5	217356.4	241312.6	225301.1
9.912633	5	4	1	1857962	2449244	1134336	3461944	1791787	2027752	1755623	4452849	1806288
9.61185	7	4	2	41834592	36961127	72871316	88370764	80938798	1.67E+08	1758762	5389356	4871856
10.77857	10	5	5	315655.7	953178	329937	743262	298223.1	596092	1321259	1272073	697866.6
9.498117	12	5	4	6459272	2746879	2671320	12708431	19664414	853739	7147432	3159909	2048195
18.02717	7	3	4	115787.8	440802.5	287841.4	774711.3	625444.7	114660.4	675193	137561.7	646625.1
9.421167	9	4	5	924166.2	6363129	7392312	2537546	2367209	5056928	980214	2795298	19320117
9.992233	10	5	5	906048.9	2852276	421390.7	2392549	853113	3354441	2940510	3101397	2298604
9.842	9	5	4	1260566	2111564	487680.7	2958726	1643695	2438771	2354400	1964158	2480873
10.9645	10	5	5	388148.8	1718979	120865.6	1393503	640117.8	1781267	1653613	1562664	1717609
9.460217	8	5	3	677509	2719240	895154.7	1999423	1225568	3261265	3587471	3197286	2045482
12.01133	4	3	1	218562.8	1027364	1008792	510656.6	260612.4	182993.5	654230.5	570661.6	967698.4
9.40255	10	5	5	4191297	30961480	6385743	25330929	9940668	39791676	25929251	24099433	30489379
40.81267	6	4	2	389034	6017621	1525353	9949295	7731960	6698601	3431615	5999367	7370295
10.9645	10	5	5	273117.3	1518153	476027	1180605	534905	1986640	1462799	1027026	1088313
9.887133	9	4	4	950560.1	2715114	758719.1	3712093	1898599	3386605	1434365	2754710	2845717
9.3494	5	2	3	337145	2076269	941653.9	1416109	1037538	2552505	2055986	3073552	2146243
9.392767	10	5	5	5632681	15814992	3645869	12407003	6128170	18575686	18556402	11841574	11804404
9.9014	10	5	4	4644312	8173403	1868207	14645362	12792016	7484036	6595772	10136984	10208587
10.97857	10	5	5	3188969	21507489	2418181	19415869	3673369	23894572	22518114	18617818	19229658
10.57272	4	1	3	211350.7	116182.4	51045.48	261936.9	287527	29066.97	160573.8	137480.8	136374.6
44.5955	8	2	4	320769.3	6781551	3765758	4858028	938074	5519278	5427489	4292354	5207114
10.97242	5	1	4	142961.6	346693.2	124540	483327.4	254445.4	516956	431020.7	274593	300672.2
9.9677	10	5	5	1371209	5116143	1266549	3963520	2059140	5343294	6867380	4318070	3534858
41.50333	9	3	3	389443.4	3970366	1372176	4735984	833196.8	4181068	1591113	5014275	4304570

9.88815	6	3	3	7431259	12991947	8222634	8137338	6152382	5272215	25412847	6862872	10706834
9.388617	7	2	4	41122052	5096701	2795966	3.07E+08	6E+08	5825695	2648563	5483220	2320082
9.88815	7	5	2	1365271	6364406	1836802	7779145	2368685	4743044	4466668	6474510	7219667
9.94455	10	5	5	8982709	30557948	4813198	25338341	9711548	36548943	33002439	25318306	25940143
9.379233	7	5	2	533639.2	1139833	487099.7	784920.1	575479.3	1941214	959833.1	752005.9	803091
10.44215	4	4	0	237565.3	391255.8	339856.7	217967.7	83887.81	983235.6	335491.1	294531.2	207069.9
22.0905	10	5	5	1191436	6873940	2734329	4775453	3509385	3818211	9100371	7808388	4107232
12.98252	10	5	5	357221.4	2308970	406793.8	1936315	668208	2995494	1934884	2101487	2223995
9.650367	3	3	0	218743.5	766237.7	258104.3	559308.1	353719.8	982360.4	332403	906628.8	871421.7
9.856867	10	5	5	1.5E+08	9.88E+08	1.1E+08	8.37E+08	2.9E+08	9.86E+08	9.48E+08	8.82E+08	9.53E+08
9.952017	10	5	5	1830409	6860014	1143790	6046747	1297923	8643876	7333692	6347208	5843646
9.445217	14	5	5	2021949	16656370	5313359	13162878	5207551	22020274	20617311	18016551	13496933
25.1305	5	4	1	3783000	8698866	16942996	192729.4	32436.53	2061853	249465.2	38971692	377442.8
10.94443	3	0	3	832941.5	850106	291336	2192604	2666947	770182.9	1138700	657572.4	515975.1
30.266	9	4	5	150496	817743.6	614133.9	497621.8	233929.9	556780.4	602295.7	597086.5	423821.9
9.43325	10	5	4	851514.1	4908744	1191960	4242322	736181.5	5503969	6485696	5087146	3887662
9.43325	14	5	5	9739802	99635662	29974944	81723593	23365830	1.34E+08	1.1E+08	1.18E+08	68297537
43.35883	5	3	2	423820.3	5857939	812751.6	5359283	681050.9	5368154	6494763	6899002	5585773
10.57323	10	5	5	30112410	1.76E+08	27480555	1.56E+08	33562329	1.91E+08	2.02E+08	1.49E+08	1.44E+08
9.541433	10	5	4	533464	1586805	543901.8	1171620	693767	2150032	2067030	1080435	975599.7
9.872883	10	5	5	1570286	9014656	1114147	7336015	3247673	8934346	9130404	7634527	8653418
9.999217	10	5	5	1437330	5111734	803987.4	4178148	1759761	5425819	6162499	4661795	4037087
9.840617	7	3	4	1124907	1500121	517125.9	3257732	3486884	1782716	948890.4	2236860	1395716
21.12383	10	5	5	156394.4	603721.5	292331.6	451240.5	113582	949245.4	277980.9	707195.1	763491.4
9.554967	8	5	3	589889.3	1485323	336191.7	1119017	684098.1	1428894	1994852	1242551	1147524
9.992233	5	3	2	610894.6	534559.7	419996.4	877495.4	592437.8	640595.5	1161692	549643.2	58254.2
9.857683	7	3	4	854763.9	2783050	568896.3	1960733	1587465	2874740	1878663	2810501	2893545
10.008	9	5	4	2794138	600988.1	88375.45	1865145	2521916	660546.7	700112.6	573099.8	470258.5
21.22417	5	3	2	650092.3	216326.1	17714.07	1165591	1894802	188416.5	226938.1	213417.3	235117.8
9.445217	11	5	5	2844890	21963563	6902391	16107730	10279803	29038203	29279647	20349869	16751091
10.68888	6	3	3	235717.8	831253.1	264093.3	648089.6	288064.2	1074381	675095.9	581955	1157530
10.95055	4	3	1	218528.4	427575.4	116109.7	340833.5	143577.7	475368.1	584595.8	432161	272669.5
10.008	7	4	3	501739.2	1054369	340276.1	1362051	551764.7	1325407	628492.8	1178773	759441.9
10.008	9	5	4	997011	773862.8	171632.2	1001351	436288.8	733108.5	1012896	534290.7	774692.2
14.384	4	3	1	2142960	313561.4	337191.9	2661567	4684804	724647.1	65475.49	78958.61	60699.07

9.348233	6	4	2	432796	1017892	377271.2	647709.5	678381.5	1536378	970746.8	1128202	968891
9.43325	8	5	3	692264.9	2443069	1092622	3860320	2712986	1395714	3112398	1848701	4025691
9.84525	7	3	3	987279.2	2773253	832076	2016988	1358938	2254598	1605383	3289336	3662753
10.45545	10	5	5	1993179	7084228	973053.8	7878182	1374240	8804313	6658840	6890591	6578576
10.00385	10	5	5	3015352	5594000	2910661	10038941	8628235	8238254	1372328	7848718	3884205
10.58813	10	5	5	402028.4	1303467	349522.9	1006965	521129	1716334	1587651	1112350	859535.2
9.992233	13	5	4	2022823	5004931	3301285	3297311	1183829	4398337	2848953	3576550	3375127
9.392767	9	5	4	568752.5	1336632	422856.4	970574.2	648240.7	1465492	1701160	874634.1	901526.9
9.93625	10	5	5	15560560	54230205	10712950	45163595	15931291	68290668	58471466	42640045	44296814
9.43325	6	2	3	502375.6	4875801	917206.7	4235279	1015030	5495287	4857368	4934896	5720371
10.97857	9	5	4	1280462	3520684	1354906	4775863	2270269	3589155	3766248	1503330	5309821
9.976317	9	5	4	1069593	3689822	771182.1	2877276	1512820	3991570	3033642	3508526	3040928
8.960333	5	2	3	262144.4	557849.2	302879.7	381997.8	218597.2	751245.1	933373.1	431676	529598.1
18.321	4	1	3	146381.8	1251686	122006.5	998156.9	499763.2	1367656	1249443	1066482	1219480
10.97857	10	5	5	285468	902998.2	154866	1018735	192121.1	966734.3	679883.5	1013765	1046972
10.00998	9	5	4	2089591	2532648	1233202	4285575	3388807	3240739	2693792	4037018	1833524
8.967683	8	5	3	300865.4	942764.9	340019.7	669147.6	471581.6	608802.9	1007616	1282911	569242.3
41.53183	7	3	3	298386.1	4233664	609387.2	3635982	1097271	3848077	5228676	3662281	4115950
9.840617	10	5	5	3503797	16727772	3123442	13191291	6668116	16276897	15396303	12547270	18762334
9.08685	8	4	4	455195.6	1411170	702188.6	990347.9	558653.5	1317200	2091292	2108875	1077415
38.13633	8	1	5	327914.8	5063673	326510.2	5984784	1829751	5042945	5237422	5351187	5172129
9.8445	7	3	4	1156108	2974153	1003103	2414563	625514.5	4305013	3741928	2260062	1969002
9.573333	10	5	5	22303130	86331419	13456974	71561140	27725156	89746370	1.03E+08	71829836	73262729
9.296133	5	2	3	11508048	59245837	52523862	28590389	38687895	1.1E+08	2726000	1975797	93417764
25.11783	5	4	1	4103660	10108511	19963246	138687.3	178051.9	2988177	98736.31	45758497	210000.5
11.13867	4	3	1	91234.83	188830.3	99929.6	136655.8	40992.51	236705.4	248086.3	137220.7	283412.5
9.8322	9	5	4	2782608	9829050	2531330	7361728	4527641	7441647	9174035	8034571	10733589
9.842	9	5	4	2145387	10880603	1087758	8954836	3777794	10161274	11308149	9349792	11910919
9.46925	7	4	3	41834592	27737495	53085849	94604665	1.28E+08	2244112	5323389	1.23E+08	7432915
10.008	10	5	5	1087258	2176911	945307.8	2870921	1141927	2071386	3835191	1733991	1648002
9.7565	5	2	3	1432705	1767348	995212.7	2281881	366410.7	2293601	0	2134204	2055131
10.32433	7	4	3	726614.2	2765691	1111596	2160361	620933.1	1955223	3800342	3674757	1264536
9.94455	7	3	4	1126099	2233253	933069.2	1631158	889861.6	3284643	3207786	1556980	1386363
10.90553	4	1	3	305621.4	357674	165186.3	564377.8	395482.5	376115.2	629119.5	266946.8	198682.2
10.97857	8	4	4	1175060	3598529	1135208	2862870	1092797	3811063	4789606	3004095	1967111

9.11795	5	3	2	613115.2	1322706	432028.1	1053365	381602.8	1680591	1620710	802710.5	901152.5
9.976317	10	5	4	2694245	11535948	2424791	9064670	4584407	10786433	8113332	11449674	12624012
41.89183	6	3	3	518541.8	5961101	2466647	7223705	790409.7	8635143	2904559	8293049	5489509
9.840617	5	2	3	1123292	1779067	691728.1	3127738	2659766	1292910	1472983	2995988	1486598
9.842	10	5	5	1859271	9321910	1351633	7590957	3322361	9866128	9683981	7599062	8392506
9.842	6	2	4	1252203	2914828	1773907	1830893	1493123	3589465	1314812	5418487	1111291
11	10	5	5	1024671	4509399	922915.8	3535854	1818649	5262541	5507243	3272738	3950092
9.40615	6	4	2	334800.2	2204075	1249294	1549349	539324.6	3123310	687109.4	2816007	3363637
9.842	9	5	4	1021657	4888759	1274690	3642496	2293308	4743551	4731053	3746100	4179264
9.888767	10	5	5	11763963	69683111	4438817	63711196	11529152	69353063	63471404	73385617	74447801
14.6632	3	3	0	46076.08	350329.5	189445.9	447005.8	58401.64	604526.2	141063.9	189390.7	372831.3
33.80417	10	5	5	302588.8	2210709	492105.4	1909888	415655.8	2642236	1879673	1509252	2522367
9.896717	10	5	5	12655863	69374921	3463237	61888964	14830727	70446740	64518780	68193334	74039488
10.96997	6	4	2	1173653	2082663	2589650	3872989	2834463	6706424	851845.9	702026.3	1087103
9.43325	9	4	4	2674511	14574021	5784936	11409960	3340013	24369374	14731880	12477367	11792333
9.952017	10	5	5	1041246	3158097	499370.5	2771111	658785.5	3796090	3532808	3075098	2619156
9.848417	5	3	2	485123.2	1056620	491892.8	672191.4	657453.2	1630780	1280738	590551	493309.9
9.946467	10	5	5	2798037	11449319	1339689	10398224	1801087	13418142	11586009	11500287	9679588
9.840617	10	5	5	6460381	7680913	557767.4	15361808	15428455	7780922	7544695	7977490	6811133
38.0655	10	4	1	450396.8	7853891	1869736	6409304	2457095	7521272	9591806	5100620	7440761
21.21	9	5	4	115062.7	436123.7	105187.7	629575.7	381468.6	371899.8	612968.1	448107.1	395645
9.933967	7	4	3	1645385	1626532	1148816	2842756	2278938	938330.7	3656161	1197134	1377666
9.864767	10	5	5	4065710	27609707	3044780	23028776	8936654	25611314	24845336	26494255	28687835
9.830833	7	4	3	588692.9	1798167	571220.2	1176715	1170452	1722768	2069961	1196051	1376221
8.859667	9	4	5	1724503	17309790	5167218	24996440	14987483	16950554	26314126	14129969	15100389
9.91875	10	4	3	2990291	2871140	648457.6	6325613	6931510	2116696	3812823	2439404	2923565
42.208	8	2	4	386209.3	5061001	608977.9	6252528	2357534	4044961	5508566	4963186	5296104
10.57323	10	5	5	374392.2	1638666	366452.9	1355236	483096.8	1709797	2019328	1197042	1323658
44.11467	9	1	4	360418.8	5259813	555551.1	6293281	2041046	5250843	4312828	5703160	5446302
14.31217	10	5	5	428424.2	692656.3	375427.8	1425557	1450330	1000437	820045.6	155112.7	462210.5
9.544833	8	3	5	2062520	1340600	581926.3	2763047	2832995	2262692	876058	1353885	807288.8
9.858833	10	5	5	13232470	13518590	2589600	30568018	34257860	14407678	13302005	16603022	13809883
9.023433	9	5	2	245024	699923.8	457143.7	435105.2	333742.3	586865.4	1476395	698021.5	395910.4
9.310917	5	4	1	971231.8	3990161	2848116	6386014	4237123	3048758	2596666	3288459	9009612
9.903567	6	2	3	2577593	2481566	1126912	5933011	6904441	3512459	1599376	3773093	1244949

10.5005	10	5	5	792019.9	2265844	992549.4	1751339	398343.1	1983406	3902014	2420422	1405860
9.507167	11	5	5	1182343	3732667	1585980	2587681	1878534	4885970	1681539	2456905	4302600
14.50163	10	5	5	106351.5	864358.8	137485.2	722102.6	265995.6	913091.2	1080183	804041.1	729386.5
9.979667	10	5	5	1957037	2612434	1285855	4332316	3330101	3892882	3761832	2862157	1290281
10.02372	11	5	3	724596.6	1025571	131233.8	1461328	872836.5	944854.1	874394.4	1018849	1070699
10.95055	9	5	4	954874.2	2944137	529071.6	4091934	2281479	3332636	3640822	2646311	2344667
9.859983	4	1	3	760680.7	2491947	820312.7	1789501	1251378	3078560	1313420	2090587	2598570
9.986767	7	3	4	582058.6	1349502	477046.4	956862.3	689416.7	1347865	2019241	1278585	677817.3
9.4468	5	3	2	272658.3	1020565	296671	612014.3	793582.9	932777.7	1065214	1488064	678465.5
9.94455	10	5	5	8910066	30618133	4862314	25407293	9813432	36649860	32895625	25497161	25730615
10.95602	8	4	4	2002978	6604429	1891650	5299886	2073448	8628736	3805954	7835965	6993323
44.9835	5	3	1	409707.1	4767364	2062809	3739648	265273.5	3072387	3721710	8225624	5055590
9.976317	3	3	0	627185	807820.1	211934.4	554464.3	484980.7	725602	972164	1008040	848234.8
17.307	9	4	5	353772	2310547	1020595	1663634	947178.3	1879588	4052774	2206187	2028161
10.008	9	5	4	5471937	1087028	271341.5	2748732	3344167	1368776	772256.4	1360038	1046756
23.44367	6	4	2	133926.6	476380	336958.5	712875.2	381255.9	265337.4	532380.2	163996.9	1026054
9.842	6	3	3	2152632	2013378	1153932	4700191	5355830	1221104	2321925	2341699	3588323
10.9645	6	4	2	173179.3	448692.2	59464.06	382435	125673.8	522327	470579.3	455989.1	359179.9
9.531467	14	5	5	4823838	16811815	2144160	11815171	9963371	14191762	16845827	15214479	19236708
9.856867	10	5	5	3065192	9342375	391121.7	11867288	5084586	9636335	9452477	9731172	8791197
9.18195	4	3	1	9836108	7895318	4285020	34219186	53003676	5081279	12670482	3964203	12439140
44.9835	8	4	4	191621.4	1137925	104006.8	1217071	134277	1103416	1162926	1108695	1298448
9.568567	6	5	1	335337.3	564055.9	186824	684537.1	180295	480872.5	890788.4	492471.3	532977.8
29.834	5	2	3	113070.4	449234.7	109993.5	382855.1	91042.81	287021	420152	436522.2	562723.4
27.92233	7	3	4	96403.26	213841.6	131387.7	347338.1	249411.6	420385.5	131355.1	76148.99	204314.8
20.87283	10	5	5	1195522	4478953	731073.2	3942795	891956	5713542	4203976	3843276	4518849
9.986767	3	0	3	310242.4	454792.1	194402.3	585363.6	203665.9	323048.6	297803	349233.1	752664.1
9.392767	7	3	4	1759054	1870868	1541824	1096595	368289.7	4605231	1418623	1338361	913953
10.00998	11	5	4	7247522	3118058	582397.9	10449599	14803777	3530760	3574286	3390437	2902928
11.68858	7	3	4	59223.38	260931.8	64780.01	223088.3	49089.45	277747.4	365317.1	201738	239426.1
9.40325	6	2	3	872523.1	7632550	2488739	5645780	3456989	10593102	8653478	5897346	4337509
9.912633	9	5	4	1455392	7089861	771456.3	6378568	1300882	7667840	6091530	7674652	7596860
8.980067	7	4	3	283637.6	705692.6	349287.5	487287.4	316086.3	1009628	764982.7	803369.3	846965.9
9.952017	10	5	5	1639598	5980562	1036970	4887828	2059128	7326914	6404023	4879984	4984873
9.859983	10	5	5	7798675	11681359	2262327	20557341	17872339	11787290	9803830	14777604	12817937

9.40325	12	5	5	1285635	11353539	2555084	9495017	3082530	14619690	10202050	13531063	9496500
32.0995	3	0	3	171827.7	248848.1	71966.33	411671.5	325262.3	296207.7	334139.1	248757.1	147832.9
35.54633	4	3	1	227469.4	608339.5	860127.6	179641.1	153075.8	2128290	239470.8	18299.84	266852.6
10.85773	6	4	2	222920.4	555998.1	44515.02	652441.6	192451.8	495552.8	606666	531844.5	589492.7
9.536783	13	5	4	1296094	4043258	1721828	5940281	3602959	5233133	5684339	2013085	2356866
9.946467	8	4	4	3414052	5895288	3107218	4302101	1153633	5277928	4739833	4267173	3822885
15.92152	9	2	4	1711233	1831118	512071	6683970	9808636	2325463	1366442	2099444	2168004
10.45433	10	5	5	717391.4	2473678	561320.3	1969323	916965.4	2967926	2180697	1820605	3147707
9.379233	3	3	0	334032.7	576149	398494.3	362721.8	213300.1	1128371	254462.1	127394.9	657248.6
9.999217	7	3	4	742295	750041.1	235116.6	1144834	780376.9	777586.2	848849	1027891	708729.5
15.8469	10	5	5	516992.6	3254305	532320.8	2857487	668762	4061172	3009718	3215255	3369649
9.445217	14	5	5	969985.6	5989387	1881841	4519171	2538636	7899131	7100436	6861967	4729422
9.5021	12	5	5	9239760	41792785	8455199	33493003	15442169	47088272	43706464	45744815	45602409
9.992233	7	3	4	482875.4	791452.9	616836.8	1126134	354987.5	1091071	1677028	708276.1	110448.3
10.95602	5	2	3	239717.8	908421.2	189385.7	778180.7	208118.4	1053435	982299.5	657018.8	761505.9
9.842	10	5	5	3703131	7168258	2657604	5503859	2423848	9236477	10250745	4900861	4118132
10.008	8	5	3	274061.4	781845.3	266483.6	608397.9	263912.8	555918.1	1111759	640411.5	573123
19.9985	4	3	1	47304.28	164100.7	64521.03	127869.6	43136.43	175592.6	259931.1	80745.69	159225.3
42.43817	4	3	1	526320.6	10408395	12647543	4132616	1764248	5505581	4743160	32756714	7245361
9.207667	5	3	1	541648.1	2097177	806588	1573489	795187.8	937696.7	2489225	3130919	1972912
35.124	4	3	1	241822	635981.3	763284.7	258903.2	37142.27	1998782	327840.5	351542.8	269733.8
9.5876	8	4	4	397463.3	965107.1	154663	859476.1	168079.6	1121394	1074999	883213.6	1006183
8.694517	5	3	2	467669.7	1031668	795112.9	584251.7	536629.4	522632.9	1960359	1696272	924118.8
9.93625	10	5	5	15576398	54459829	10777857	45502441	15899767	68192493	59736756	42879288	44168356
10.008	9	5	4	4759969	830424.2	348171.4	3049675	4489031	1160260	1122817	950351.1	438994.8
10.95602	8	5	3	222539.5	745607.1	151006.5	548169.1	383971.7	979498.4	629809.3	685662.4	622157
9.45945	9	5	4	2181199	5869586	2132288	10742191	9758662	6959165	4921700	8200477	6584071
9.536783	13	5	4	7397074	14714382	8696164	28547472	27311698	24378760	19477295	15607243	1212356
9.928667	11	5	5	7904219	25685278	7749874	35946634	19982838	17921454	30473325	33470143	29795030
33.746	10	5	5	869751.4	6017947	1642969	5132430	920534.4	8283623	5333722	3785659	6320679
9.856867	10	5	5	11300581	49619766	5267227	44873300	8660077	57300633	50821739	43174077	50135769
10.70568	10	5	5	319220.4	1197906	348786.7	969712.2	349844.9	855540.5	1722059	1373388	1014604
9.992233	5	2	3	382412.9	623532.7	213966.7	877512.2	488867	816441.1	275564.3	772309.5	590088.7
9.952017	10	5	5	7202701	28825035	4412761	25771542	4918325	34781066	31835143	27600592	23982434
10.008	9	5	4	2927296	2837191	1227109	4738661	3752193	2717573	2677433	1500924	4847634

9.928667	7	3	4	734409.6	1453782	376633.6	1208245	375553.6	1937075	1614839	1457608	1350849
11.88527	6	3	3	802224.4	1617573	1051642	1024187	720221	3066943	1018949	455546.4	2305203
27.759	7	4	3	157717.1	576049.9	296688.4	843837.4	489342.3	1000890	604056.1	223800.1	670117.6
9.655117	8	4	4	830562.8	3307618	908703.4	2499610	1470375	4222062	3703907	2980482	1888736
9.8322	9	5	4	1304975	5732897	972450.7	4916172	1458671	7118717	6240643	5291170	4585494
9.80755	10	5	5	2842840	4824965	1281961	7581113	5520461	3824680	4758610	6256801	5956117
9.3471	7	4	3	884129.3	1397681	1328782	3084580	3277996	873677	923858.6	3732169	397396.8
9.673333	13	5	5	786939.9	1044643	323483.9	1808468	1534085	1047558	1430560	1228379	948029.7
10.49953	6	3	3	242601.3	439070.9	267600.2	304350.8	78714.86	215804.2	876441.6	437759.7	226240.9
10.57357	5	3	2	346864.1	1541940	889253.3	1050090	566371.7	2869470	2035067	891492.7	1114627
10.9645	10	5	5	2073285	9807971	2382079	8231896	2450494	11890890	12326586	7119959	7634857
10.10048	10	5	5	1206814	3837118	988110.4	4494521	1027384	3767197	4541114	4869644	3693044
9.859983	4	1	3	565707.7	2497274	1341947	1646984	1264171	3382884	1067258	3787524	1021821
9.673333	8	4	4	549210.6	2855764	674882.3	2247301	1112986	3635502	3089814	3238900	2022017
10.9645	10	5	5	692285.9	2884330	496449.3	2531531	580734.2	3689933	2683026	2434088	2605134
24.39183	6	3	3	130722.9	572461.4	305453.3	392661.5	240208.8	500677.1	455596.3	289957.1	522035.8
9.960817	6	3	3	502551.6	1768595	515459.9	1284409	896108.1	1852118	924972.3	2121000	2233998
20.24783	10	5	5	18615648	1.6E+08	22073433	1.45E+08	21625782	1.76E+08	1.8E+08	1.33E+08	1.39E+08
9.4468	7	2	4	515126.8	1590456	517284.1	1255503	510953.6	2041289	864017.3	1227206	1950801
10.008	8	5	3	333298.8	757264.8	148910.5	571028.5	361825.7	804305.5	544007.1	931084.4	680103
10.9645	10	5	5	694445.9	3439314	305606.5	3129597	583255.7	3745891	3103471	3203345	3377067
12.26695	10	5	5	497150.4	3314861	572169.9	2826779	878673.2	3861205	3715873	2703101	2688997
31.13717	4	3	1	170589.3	653614.3	569075.7	992081.4	461762	196770	1230611	1283750	84538.68
9.56645	9	4	3	3269691	12024914	6421547	17228146	9191022	14393091	10878001	1393858	17333940
10.97242	5	2	3	4496923	1953726	1370367	8130582	12525668	348894.4	589299.7	2942342	2683622
11.26338	10	5	5	3203438	10186536	2034169	7150061	5993429	11844770	6803940	11123192	11345933
24.16133	9	5	4	527345.4	3847854	1711609	2791988	1523283	2636215	5157653	1773497	3768445
19.19917	3	3	0	932805.1	93793.57	17990.15	1238497	2329193	78023.93	103719.1	100093.9	72263.03
9.858833	10	5	5	7843811	11979502	2039257	20674889	17643509	12233190	11025843	14811134	12552317
9.3735	7	4	3	437781.9	1057899	253790.3	901548.4	225513.9	1363212	988228.1	731909.9	946200.8
28.54917	5	3	2	136279	371267.7	334669.1	549374.4	179110.7	105841.3	92397.58	698533.9	188974
22.92883	10	5	5	209261.3	1702396	386736.8	2030503	590757.8	2262402	1421243	1809974	1264875
8.902983	5	1	4	3421525	710417.4	760211.5	7798519	14428449	520682.9	2053971	456431.7	236101.8
9.94455	10	5	5	1905273	6420939	1089270	5285647	2154701	7993690	6807469	5387340	5398494
11.37373	10	5	5	285126.6	993388.4	137291.2	794553.7	392413.1	1046326	927124.2	890408.9	892114.6

18.49667	4	0	3	10862974	54883.26	79756.15	97769290	1.99E+08	60148.2	9096.391	6973.406	6593.546
19.01233	6	4	2	301044.1	2426291	1457354	3414446	1579497	2961188	2030206	4684701	1426150
9.842	6	3	3	835061.6	1352059	738204.6	2135934	1493043	1277550	658819.1	1696696	2425405
9.388367	9	3	4	2705556	19103656	5973128	15412078	5362292	20417417	23942902	15443590	10748553
9.392767	9	5	4	1193916	2714238	676606.1	2025275	1302415	3010179	3102762	1955011	2039781
9.912633	9	5	4	1712206	4709637	1206251	3444085	2407033	5748278	3840049	3300423	4545394
42.86967	7	2	3	318770.5	3701495	1687282	4666217	1229646	4497031	732985.1	4134022	4224520
9.388367	10	5	5	1654150	6586072	603477.8	5402652	2375799	7401435	5905681	6079850	6815393
9.601917	5	1	3	3536944	372199.7	220427.6	4842220	9121058	422986.3	670529.5	458537.2	138517.6
9.3735	5	3	2	387930	2002327	1171605	1259791	1115473	2926390	3503013	1418685	1499627
9.346	6	4	2	304918.2	1231178	340827.2	882082.2	661764.5	1168656	1037420	1743321	1356404
8.813383	8	5	3	853866.4	2719596	1744365	1704768	1344336	929570.3	5492835	2841989	2736891
9.872883	10	5	5	5162818	33550111	2323020	28247409	10700367	33764983	31362271	33269406	37335384
9.91765	10	5	5	1301664	3552775	956556.8	2840744	1214892	4408360	3166274	2430028	3072017
9.983467	8	4	4	2929152	1076446	384410.7	2688375	3280711	1353839	754667.2	642493.9	1547865
9.45945	9	4	5	556017.1	2589313	1043329	3782670	2304118	2809350	3652730	3469440	1334751
26.6405	7	4	3	412607.1	305774.9	77930.36	934953.6	1283906	317832	312837.2	390887.8	329226.3
26.36783	10	5	5	161020.3	757696.3	192140.7	586224.1	315004.1	577660.8	1036473	621709.9	680514.5
43.07117	9	3	3	374674.9	5726739	2948592	4264782	674222.8	5223298	5166488	1512790	7241873
9.40325	6	2	4	4796949	28240627	15253707	19292441	12071865	7909641	15915066	37480135	38233562
11.52297	7	2	5	99288.74	328906	83505.06	271478.1	93250.75	443710.4	388745	284657.6	282042.4
9.9847	5	2	3	390098.2	412054.6	282672.9	621409.8	356759	141803.4	87492.05	672209.1	673087.5
9.915583	10	5	5	4385408	12815556	2357510	17961926	10384000	11412394	13091182	16199999	13445700
9.9754	3	0	3	1347636	216774.4	105141	2203336	4059825	151625.9	284633.5	344562.8	224066.3
27.10217	9	5	4	1865800	6108916	2154620	9264076	6253049	9463000	5191630	3572782	6302376
9.4925	6	2	4	865090.6	1528529	944162.1	3319886	3599283	1108944	805371.4	980319.1	1620159
28.4025	5	1	4	144236.5	1238377	718443.9	818620.7	562960	686619.5	1486912	346351.9	1529059
9.994767	6	3	3	232748.1	714268.7	143925.2	606394	185163.7	882773.9	593375	780196.1	536965.7
22.56617	10	5	5	489909.1	2327216	770494.7	1919996	405462.9	1703981	3637752	2360379	2030572
9.946467	7	3	4	1551128	1283255	720847	2369996	2158729	1759241	254359.7	2061991	1454386
9.94455	10	5	5	21762316	76625988	11458254	63829437	24663260	90966767	81411039	64817799	64892379
40.62467	10	2	3	272115.1	3545974	390362.4	3072709	922223.4	2852207	3666398	3783773	3692860
44.696	4	1	3	431672.2	6447436	2940415	8947981	4531002	7598073	7355554	1213837	8085489
9.979667	7	4	3	6321395	5349886	8320796	10724512	8274290	3227643	463924.5	2633213	366028.8
9.9014	10	5	5	11584845	62241499	7223398	51519006	21285398	59027491	53974557	59400006	66288444



39.23017	4	3	1	376573	4731338	974386.7	5350461	936862.9	4841053	3062292	5052017	5605619
10.93618	10	5	5	261190.1	1224861	383021.6	956499.4	442514.2	1604662	1508077	660315.3	1036339
9.845483	9	5	4	960583.1	4897038	1052685	3793966	2105559	4597236	4657567	3882819	4661348
10.16938	6	4	2	270545.2	780700.1	233809.3	910526.2	155607.4	822758.4	652618.8	814077.4	1121660
9.952017	10	5	5	2276553	8540569	1234559	7689816	1386715	10456572	8896089	8361007	7296230
9.3332	5	3	2	416911.8	2005062	584764.4	1574108	733946.7	2101490	1972310	2908245	1328918
9.94455	6	3	3	23362784	3.15E+08	7670134	2.95E+08	41879285	3.1E+08	3.05E+08	3.24E+08	3.16E+08
11.99367	10	5	5	645158.3	4144250	571316.9	3672201	847387.4	4431207	4857012	3537703	3580209
9.473733	5	3	2	755649.9	1397174	416838.9	997533.3	749644.9	990220.8	1540654	925054	1677289
9.858833	10	5	5	984448.7	3721977	477663.8	3192940	1019607	4176303	3674408	4021267	3796241
9.874317	9	5	4	2169956	1949005	792113.8	5311061	6861265	1162936	1581336	2857505	2742910
9.9677	10	5	5	8216549	26174174	5098284	21138154	9510420	29424426	25023617	19844846	23648046
41.43133	6	2	3	298622.8	4336620	1259178	5149031	1251559	5923730	4315958	4686821	2413059
10.83632	5	3	2	134529.5	299992.9	105222.6	239317.7	79694.35	222544.4	323185.9	456755.5	185800.2
9.983433	10	5	5	1272869	4369755	1316423	3522934	1301266	5975973	5522176	3948204	2961244
19.78133	4	3	1	80190.38	315972.1	217304.5	439311.7	156679.4	549223.9	544331.6	94904.21	148114
16.15475	4	3	1	349763	1061929	1591045	283020.5	176150.5	197129	625833.8	246063.2	3892549
41.40233	6	4	2	286865.6	4423125	1585892	3380560	1637281	7168172	4236045	3443581	4011217
9.845483	9	5	4	2286918	8985942	2330406	7306540	2827930	8359659	10963773	8318668	5750732
9.872883	10	5	5	23264244	1.57E+08	24768211	1.34E+08	42475181	1.43E+08	1.31E+08	1.47E+08	1.72E+08
13.44963	5	1	4	311392.8	121950.9	44957.68	656734.6	1095941	58508.44	181307.4	138632.6	106192
17.454	6	3	3	351981.6	3810408	574390.5	3143148	1297475	4148800	3284498	4571966	3826599
9.933967	7	4	3	3533737	4016750	2379292	9674465	11483745	7910010	3850635	4146849	2049684
41.4315	7	4	1	420875.4	5144984	1128370	4593648	110633.6	3532403	5199486	6495731	4681432
9.979667	13	5	4	3270708	4858339	1612452	3551832	2334820	6105836	2486941	3937044	5506755
41.8055	11	5	3	380094.8	7838819	3215073	6001174	2382476	7265013	5017930	10042329	12142185
9.979667	5	3	2	336165.8	663890.6	377075.8	411196.8	404840	704643.2	185757.4	629010	564059.6
25.40583	5	3	2	118722.3	588901.1	209412.9	468190.6	159446.2	459566.7	865691.6	673272.7	317932.4
9.928667	8	4	4	1585087	3156334	424817.5	2808896	623613.6	3382622	2912021	3712693	3166940
25.36183	6	2	4	235943.6	1445951	342461.4	1228578	330821.2	1002355	1931797	1577634	1315232
9.11405	4	1	3	377614.6	622267.5	487572.2	381732.3	110441.7	251480.6	301784.9	342213.3	1391257
9.596017	8	5	3	3044391	4098510	3505809	7412841	6218009	1737345	3031793	2161241	10267083
10.9645	10	5	5	1068812	4918921	1011636	4329871	793955.3	5827073	6013541	4059486	3764817
9.946467	10	5	5	920862.5	3555000	562925.5	3259808	289816.6	4253986	3984520	3514467	3033231
25.11783	4	4	0	1618201	3461568	7065541	21330.45	7671.495	515267	40711.98	16094535	125615.1

10.00998	9	5	4	2077155	932582.7	400017.6	3442924	5149495	895591.3	1581544	885061.3	483060.2
9.920517	10	5	5	66672316	2.45E+08	55281411	2.04E+08	69455121	3.02E+08	2.47E+08	1.77E+08	2.03E+08
9.311883	8	3	3	365855.9	833577	819472	417012.8	330269.2	488460.5	965964.6	512882	2173692
22.62483	10	5	5	208593.9	1575506	396915.8	1327740	370811.8	1191872	2212717	1601512	1299340
9.419733	10	5	4	2068644	10716479	2427201	8412054	4334169	13148750	13171686	10384356	7685376
25.304	6	3	3	18357718	40569314	79884311	1709096	347454.5	12658886	2046910	1.83E+08	1994544
9.392767	10	5	4	13445310	9954523	2760269	51986591	86391239	6203594	10409128	13750746	10616702
29.936	9	5	4	351039.2	662208.4	281716.2	1320866	1339443	269356.9	834841.4	622148.1	571164.4
9.999217	10	5	5	2272921	8343062	1784576	6827716	2762644	10503222	9796880	7809675	6121061
9.952017	10	5	5	9396954	33524818	5735190	30170004	4576649	42296019	36155656	31000088	28102093
24.71	9	5	4	55540.06	331448.5	59379.65	285116.7	81753.21	274037	397502.3	266576	377663.7
9.859983	10	5	5	1534112	9354847	1152474	10420755	1992880	9701002	8991756	7523924	10306651
10.90802	10	5	5	262070.5	844945.3	250084.6	701457.4	188837	1158140	935026.2	563397.4	614839.2
9.8445	9	5	4	9477902	39144825	5444846	35340778	6313017	35798437	34125836	35751927	45906165
9.392767	6	4	2	496483.9	769111.1	399621.9	450741	567075.7	911645.5	1157585	569745.6	171536
9.0258	4	1	3	114797.7	448688.9	295781.3	281100.5	214888	702921.1	805017.8	372452.3	251450.6
9.94455	6	3	3	1227740	905786.6	622729.8	1446115	992606.5	1251646	0	1566498	1146498
22.65633	7	4	3	1841685	1216839	2423730	4348635	6182881	152947.8	63479.1	115763.3	5551611
10.01477	9	4	5	1181050	4496659	1183780	3401149	2049578	4442497	2847022	4147780	4951750
9.952017	10	5	5	1570739	4875679	905960.6	3995184	1666569	5907487	5612724	4223626	3757637
9.362817	6	4	2	483110.3	942838.7	662895.4	529783	618363.7	1789857	856741.5	1286163	781431.8
9.857983	6	3	3	2178460	5501612	5428874	8453592	3394848	14910647	4554248	3981431	3045796
28.7015	6	3	3	115691.6	486098.7	282639.3	330127.4	187602.7	242170.2	573790.8	135555	716523.1
9.8322	6	5	1	566772.8	1119779	286990	1350205	412066.3	1392520	1361374	926373.2	1191471
9.445217	14	5	5	1280222	12186142	3221343	10209752	2905122	16218255	12472790	14292490	9186155
9.992233	9	5	4	1548948	1571826	665634	2591792	2042336	786016.5	1639878	2580613	1638618
10.03947	9	5	4	250015.8	818562.7	208330.7	648756.8	305682.1	563437.6	657781.8	859022.5	933655.1
9.8374	9	5	4	1869721	7767907	1081293	6772519	1862038	7011510	7540600	6520295	8942907
41.1145	7	4	3	372992.9	4811427	1041001	6257522	2877198	5202260	5869881	3192335	5357731
9.118517	8	5	3	1121383	1202190	354396.9	2264992	2175094	1823878	1001284	1060138	971980.7
42.3375	5	4	0	465891.2	6791738	6085402	3836746	209747.1	17353978	5859587	4589054	4355474
10.70568	10	5	5	343993.9	1291422	398959.8	1075363	246457.8	1186979	1878781	1491363	1011855
10.008	10	5	5	378520.8	999957.1	397084.6	791567.3	209818.4	745308.9	1696887	949832.9	823122.6
10.9645	9	5	4	962695.3	4371131	833647.5	3507901	1658124	4904751	4616155	3358700	3656536
9.4159	7	4	3	579883.6	812620.5	413930.2	1206104	742715.6	1012816	227669.8	851092.5	638148.2

10.008	7	4	3	334852.5	721425.1	196455.6	882852.5	292099.7	902536.2	882936.5	766411	623402.6
10.9645	5	3	2	193304.3	576220.8	124675.4	489105.6	145267.2	651282.6	737236.4	473967.9	584159.7
10.95055	8	4	4	549266.8	1238548	358191.4	1541464	553855.5	1697185	1543957	991999	1066088
30.195	7	4	3	103434.5	533000	242895.7	402284.3	146741.1	913627.1	592130.1	489838.1	275065.6
10.95055	5	3	2	687233.9	1715638	585133.9	2168239	799172	2110878	2500173	1355429	1048735
9.67	4	0	4	4388772	1464669	832278.3	8269974	14029133	1791737	2750300	1219423	869886.5
9.994767	9	5	4	7817009	1191876	778688.9	6234435	10392045	1725733	2178005	1197060	478667.1
10.95055	10	5	5	242348.9	1143543	215854.9	943057.2	376823.8	1229436	1329018	1002530	837312.1
9.976317	4	1	3	332191.8	366487.2	191117.4	552730.3	354250.9	525227	46113.22	428295.1	347615.2
16.08207	4	3	0	31398.15	141037.7	27815.86	113622.3	52271.58	188851.9	134258.9	116197	135636.4
9.856867	7	4	3	2232396	3458203	1230618	5274828	3641816	4194650	2574019	4695801	4055200
44.47717	6	1	4	352557.7	4344877	208853.2	6637203	4733007	4362448	4049317	4273139	4418464
10.44215	5	3	2	161618.8	383094.4	93243.76	307792.9	135691.8	307375	369206.2	530943	302514.8
9.848417	10	5	5	4232248	24182944	1716690	21280624	5867321	26518441	23820603	22288011	23001811
35.45383	10	5	5	434175.4	6905965	800437.3	6277064	1120875	8170884	6806834	6895791	5950582
9.9014	10	5	5	11021927	18354024	4530171	30814867	25560692	15461918	18982217	22612652	22514452
9.45945	4	3	1	438016.9	1439759	625619.3	998785.4	742075.3	2484148	1407454	1347595	1125029
9.992233	11	5	5	1441912	3079173	507157.2	4868096	3681117	3718825	3198181	2846107	2361914
9.4925	6	2	3	972326.3	5798315	7769070	2014349	1302529	2608874	1294541	2418393	19648914
9.976317	5	2	3	558078.8	931216.9	295948.7	756954.7	243757.8	1075102	1277401	748663.7	1031612
42.97017	5	3	1	388912.5	4557167	762630.6	4183081	180942.8	4259132	4631722	4771984	5606931
9.43325	9	4	4	784122.1	5584308	1517875	4297621	2361356	5063210	7551237	6610061	3652496
9.856867	10	5	5	1289765	7110804	1156129	5796200	2571980	7171893	6829404	5873447	6684180
9.659033	10	5	5	333251.6	821033	146213.9	725479.3	151985.7	967483.1	917167.8	641847.8	687580
9.946467	10	5	5	5870042	20738809	2181930	18543081	4214367	23088599	22564812	17995564	19118106
9.874317	9	4	5	6099460	24551710	8707463	30579929	10041909	30223160	10952665	24814910	33710234
9.388617	10	4	5	2365331	9963851	9315012	5391224	2342044	10054867	25926718	2875980	4525915
9.856867	10	5	5	61875420	4.04E+08	48551403	3.45E+08	1.18E+08	4.07E+08	3.91E+08	3.48E+08	3.94E+08
9.856867	10	5	5	5702806	6121956	1456408	13530221	15306447	7388084	7249169	6347262	5844957
9.559117	9	5	4	955020.7	6005899	1482272	4989362	1683132	7891153	6411369	5582620	3817765
9.9014	10	5	5	15783371	80003015	9278663	66179334	27802256	75685396	69466419	76769064	84538034
10.008	9	4	5	658025.8	2355395	296770.7	1975288	755115.3	2369018	2832526	2239177	2025287
10.49953	10	5	5	2882869	13364608	1671620	11902690	2714545	13892353	15893993	12141347	11634332
14.84005	9	5	4	217148.7	888479.3	911458.1	435719.6	300085.5	2287873	1295470	219838.7	90731.49
7.121733	8	5	3	198894.7	8850538	4113315	11371374	3749247	5397919	7332409	5590180	15081114

24.1315	3	0	3	10046560	609120.7	28688	63529497	1.3E+08	613102.7	590925.7	640254.1	570389.6
9.2585	6	3	3	2860539	1884400	1134719	5488760	7423674	544316.5	1436333	2320925	1547852
9.49445	11	5	5	1526581	10894523	4719411	7925253	4559252	7453738	17630294	13912539	8930991
9.94455	4	1	3	1245531	827750.1	574477	1422137	1148397	1282126	0	1357303	1010282
9.8445	10	5	5	6147862	32446905	5399580	27675909	8893328	37477673	35942647	26089951	27100162
9.94455	4	3	1	923917.3	2440135	560849.9	2163312	166191.7	2282636	2022045	3326169	2620590
44.48033	10	3	3	267465.4	2913312	1326274	2182035	899518.4	2114219	2356716	2944911	1961345
42.04983	9	3	4	459789.9	9963584	4821053	7553996	1756492	8158494	5562778	18215851	8665587
9.915583	9	5	4	13128333	41244177	7133915	35174836	11189639	41210496	34795396	33486588	48818808
9.559117	8	5	3	377536.3	906971.6	253747.2	668535.1	451909.7	922743.2	1299939	599095.3	817785.8
21.0215	10	5	5	405990.7	3739681	717808.6	3214082	909141.9	2947779	3783669	3405044	3675149
43.14317	4	3	1	903367.2	6364615	5557334	9795624	5164098	1814546	12194549	2252461	2885669
24.58017	6	5	1	76795.3	222081.4	92363.19	162926.9	92747.13	176245.4	309887.1	219606.4	93874.42
9.1476	4	3	1	1567943	608835.1	279397.8	1217786	1247881	464737.8	316053.6	769931.3	480467.4
9.857683	5	3	2	1014826	2429417	1007136	4006229	3188401	3540459	1368862	2170946	1636283
15.30743	10	5	5	155519.6	1107933	198677.2	956427.6	267916.5	1292637	1310387	955188.3	864271.7
9.371417	4	3	1	1078484	1691858	1492564	3432103	3429346	813271.9	589871	4150166	833590.7
9.992233	10	5	5	933766.4	2796818	154776.4	2375791	867211.3	2918060	2551901	2803791	2770669
11.2071	6	4	2	3006456	3925322	4998887	6855074	4111059	1343108	1831465	12547088	3794252
25.214	11	5	5	1233573	9089006	1164826	8188689	1603343	7141837	10088231	9113720	9226138
9.419733	7	2	4	89719936	2854091	2245084	2.09E+08	4.29E+08	3411272	1127297	2540257	796657.1
14.64855	5	2	3	403035.3	1861310	466569.6	2766531	1850257	1630476	1649528	2629416	1953179
9.568567	17	5	5	831356.9	4712811	3127764	2939687	2343482	1731774	2197257	9546869	5449939
40.78383	11	3	5	482084	8176921	2164583	7113975	603010.7	7558709	12025107	6895905	7129206
9.522017	10	5	5	845602.4	1983951	357656.8	1598822	751383.4	2383678	2323471	1758757	1890907
9.960817	10	5	5	2647791	9859778	2065137	8499799	2193757	12460120	11625680	9120579	7880675
9.857983	3	3	0	511018.1	2214150	478398.3	2606448	716367.1	2296417	1471751	2803403	2312059
38.25167	5	3	2	400023.2	7125664	1616684	6219368	1171255	5928253	6949782	6241683	9936692
10.008	8	4	4	357171.8	981004	434365.9	722177.8	373629.7	1079993	342416.3	987287.8	935531.7
9.842	8	5	3	1141868	4021233	746694	3192371	1625380	4052638	4279002	3138035	3541617
9.9351	6	3	3	1639662	4312915	1190837	5295969	1800987	6368363	4056176	3865272	4003794
9.914217	6	4	2	2089069	3192205	1621215	5920330	5550043	2084383	2922978	4527695	5140316
9.43325	8	5	3	897658.8	3607201	1306356	2598003	1800598	4489620	3500135	1606890	5021126
9.872883	9	5	4	2193803	3266986	504609.6	5023355	3636180	3069890	3542889	3271059	3896405
9.976317	10	5	5	1026384	3558030	315851.2	3108679	905019.4	3815562	3845198	3693980	3225863

10.70315	10	5	5	363051.1	1609215	228370.3	1348619	513343.8	1750839	1708669	1432966	1307080
10.46923	10	5	5	527887.6	1511990	384373.6	1788519	476008.2	991492.2	1972362	1517040	1770362
9.94455	9	5	4	1146086	3239236	895440.9	2517520	1311431	4057610	4162613	3008112	1988705
10.94443	6	3	3	164388.9	279508.1	126663.3	421081.3	278212.6	422182.6	295868.6	378110.1	168576.7
22.1605	3	0	3	131478.6	799695.5	69961.2	618048.3	374823.5	871875.8	755497.4	766133.9	727409
41.08583	4	3	1	401312.8	5411021	2527604	6668130	911174.4	7316051	975558.8	5979095	6439770
10.97857	7	4	3	2399725	6063977	2015084	4523299	2738969	7945621	7749025	6186497	2986057
9.886433	10	5	5	6933663	4180455	619565.9	12531509	17377399	3780142	3412506	4107008	4868903
9.93625	8	4	2	2367290	1518260	452045.6	2032365	1013091	1463048	936759.1	1451743	1534841
22.51083	8	5	3	129265.3	378024.5	195350.2	612198.2	464657.7	191786.6	182724.8	404300.4	645166.3
9.976317	8	5	3	1256086	1642821	536026.2	2590634	1935437	2180421	1779723	2095171	1047576
10.9645	9	5	4	286215.7	957313.4	126337.2	787502.2	340920.1	1132071	932841.7	795477.3	906309.3
9.842	9	5	4	954875.5	2203753	317817.1	2943198	1523610	2448954	2545199	2201994	1743571
9.460217	5	4	1	14784515	1437283	542948.3	9165022	16093506	1454159	1901448	2015152	1093382
9.45945	12	5	5	7082048	77898166	21310713	64970016	19217778	82814799	71307031	73854711	51463180
9.992233	7	4	3	778032.9	1309310	617061.8	1924559	1187712	839289	1306582	801565	2330426
10.008	9	5	4	1625835	1968548	1094169	1331086	893294.4	753993.6	3671672	1483138	1669124
9.842	6	4	2	445089.6	1399643	364366.6	1053744	661085.3	1312614	1259889	1464517	987327.9
9.8374	9	5	4	1037506	3650141	1084523	2734845	1694106	4199619	4137694	2528262	2487802
9.94455	10	5	5	21875620	77029371	11547432	64334455	24932342	91529155	81759595	65084669	65276840
9.433	5	3	2	698192.4	4982677	795132.3	4361513	1117337	4870063	4063722	4437765	6028024
9.94455	10	5	5	9756349	33734158	5418553	30507848	4683609	41852336	36743611	30882236	29368144
10.56485	7	3	4	733271.5	2440352	1056558	4012655	3184494	3008652	2464290	3105143	3018010
9.992233	9	5	4	5069300	918205.7	354546.9	4398699	7253472	1062041	1371049	895420.2	394761.6
9.9014	10	5	5	6817759	4522799	2781803	16216519	24307202	4172484	1229494	7983750	6612915
10.94443	4	1	3	513222.5	1546585	424558.2	1282269	406357.7	1798438	2110177	1233395	1535991
24.1575	5	4	1	88213.59	310401.4	143349.4	458601	288424.2	230050.6	531960.8	337494.3	302914.3
9.830833	6	3	3	2114024	8615469	2790810	7202114	1246196	11338788	5445562	11070625	5931191
9.55155	9	5	4	418699.6	975340.5	155727.9	739743.8	478101.7	947399.4	1233983	852365.1	856660.5
9.8445	9	5	4	669727	2832591	654026.5	2230915	1143262	3038434	3379735	2037554	2246864
9.903567	11	5	4	5373715	5020407	1058458	9573563	9473582	5290613	4417324	6554474	5116168
10.9645	10	5	5	728974.6	3238393	549727.1	2793265	813502.9	3249906	4071075	2674097	2817636
9.896717	7	4	2	1.37E+08	1.99E+08	4.29E+08	4.95E+08	4.99E+08	6265353	9671218	9963420	9.67E+08
9.55155	7	4	3	221175.9	483424.6	106903.7	356120.5	253090.3	505458.5	636083.9	376095	385967.2
44.049	7	1	4	317510.5	2462247	150724	3305187	1756623	2464872	2312878	2541717	2669052

9.348233	5	3	2	382064.2	710710.3	475654.4	400641.3	499808	1330996	669569.4	825365.6	727620.2
9.857983	4	3	1	12360756	33563091	35524417	53865254	27647407	72682965	11959023	4826108	72052737
14.31255	10	5	5	2067584	6435097	2440708	10337246	7949637	8827114	6995196	3410497	4392643
14.06323	7	4	2	67413.75	220382.2	186918.2	342041.7	195920.1	537796.9	221054.6	123994.8	58861.16
9.903567	7	4	3	2478280	2163888	530905.6	5511783	6981393	2406319	2596886	2562362	1896904
9.999217	10	5	5	3155581	10463910	2281517	8111868	4582905	10833950	13008720	8290006	7947751
9.94405	10	5	5	2833168	3836169	1154252	5591330	3567512	2989127	5481719	4623315	3159813
9.920517	4	1	3	1602889	2623190	1841529	1652569	1068194	4486084	150989.6	3714261	3539088
9.3735	6	2	3	719634.6	4518205	1385526	3522535	1724072	2796159	3948362	6313239	5488775
9.328967	7	3	4	538579.1	3391101	1698540	2298105	1744711	3394839	2497606	1402078	5979818
9.952017	10	5	5	2758947	9288797	1224291	8501163	1257064	11220169	9554670	9180808	8260102
9.7565	3	0	3	1028389	871342.7	536459.9	1203004	508002.8	1049695	0	1444117	1042836
10.95835	5	2	3	263436.7	833024.3	255024.5	706830.3	90782.45	842781.2	1112887	492775	678505.3
10.9645	10	5	5	620011.5	3198598	516777.3	2685071	994632.9	3260157	3545363	2587644	2775316
10.474	7	4	3	232785.9	248889.9	55552.49	517471.6	560168	187831.6	266397	333782.2	239365.5
10.9645	10	5	5	605492.3	2617341	484812.7	2991389	671897	3421816	2402327	2479753	2140668
22.5555	6	3	3	69514.63	275018.4	139573.9	196980.3	102262.8	159934.2	320838.6	133540.8	279499
9.419733	10	5	4	2375107	3527599	777585.7	8202378	9764354	4218184	3829815	2310627	3224855
9.3735	6	2	4	1890962	8389623	6123460	4878172	4838302	12953939	1909811	12974786	12648482
9.610767	6	4	2	3976001	1368141	469758.6	4012882	5523340	1693364	1931911	1104668	743908.8
9.03715	5	3	2	315668.3	646187.2	270245.2	407696.7	449788.3	1022930	663990.5	729166.4	527793.6
9.952017	10	5	5	1013685	3200395	475024.2	2831174	666324.9	3910657	3396914	3134033	2811380
9.071517	10	5	5	6764770	21144545	6032336	16290837	8884548	20953630	30044757	23021356	17688726
19.5635	8	4	4	67468.07	228344	56380.99	271389.3	77106.47	245001.2	307201	201455.2	233665.2
30.266	8	4	4	111052.5	381073.3	196925	536007.3	281175.6	190505.6	679767	373642.9	220138.6
28.2735	10	5	5	137359.5	815382.6	227953.1	686061.9	175098.4	976817.6	1038262	496407.8	663897.4
9.445217	7	3	3	353606.4	1174932	544723.9	907256.6	179381.6	1426249	1530640	1723985	714136.9
10.9645	8	4	4	395176.7	1335028	177969.4	1130980	405181.1	1488871	1500425	1336510	1064587
15.43272	10	5	5	468167.6	3240567	777225.4	2582338	1227258	4323850	2143170	3310717	3339128
9.848417	6	4	2	2505429	2027174	667736	4795798	5779832	1533599	1617502	2414222	1547372
19.82367	4	3	1	114962.8	621221.1	248088.5	440034.6	317585.2	620249.9	608806.1	468405.9	381155.7
9.856867	7	4	3	2911563	4726655	4770684	7450924	3739236	2862009	1989135	2984342	2564809
17.14683	7	3	4	118449.8	496264.3	375190.7	304554.1	184969	986713.3	83756.4	251216.9	381879.4
10.9645	9	5	4	199808.6	887490.2	167446.3	727856.8	307458.8	937840.5	1122549	775096.6	685297.8
10.45433	10	5	5	540407.4	1683341	506794.1	1363639	503384.2	1812465	1279381	1178289	2452965

9.840617	6	3	3	646458.8	2139875	924941.1	1637342	618485	1701532	1269180	3347972	2899998
9.845483	10	5	5	16032590	21315339	2781988	37231774	33314570	24668887	20684829	20852726	23061342
23.79867	10	5	5	3852619	35014171	2799650	31578602	6886795	35985398	37753771	34379005	30495553
10.14212	9	4	5	3514319	5432385	3112777	7499734	3411339	8471731	7069904	6275624	5005953
9.928667	10	5	5	2001957	4072193	391903.6	3682936	756613.3	4606652	3993587	4224435	4007376
9.416767	5	0	4	35688480	1005036	462404	81104106	1.68E+08	1426135	1184614	1199914	225639.6
15.9794	7	3	4	212980.9	1986939	781881.9	1505782	738305.2	2117466	1764617	2530478	765723.3
10.008	8	5	3	2022378	764226.6	274917.3	1798182	2160256	1012904	1047141	775999.3	412933
9.8887	10	5	5	4222088	13715534	4671606	17086970	5884600	14699702	7744098	17027544	18929024
9.859983	9	5	4	3270546	3284924	1221582	6181661	6016390	4235746	1413930	3949975	4150565
10.95055	9	4	5	291415.1	1424005	333242.4	1143484	523352.7	1877259	1485985	1065631	1128566
9.960467	10	5	5	2444798	9669224	1315796	8646378	1852587	11450015	10291034	9845700	8307414
9.45945	14	5	5	23378860	1.47E+08	53878296	1.07E+08	71554594	1.71E+08	1.13E+08	1.26E+08	2.29E+08
39.01417	7	2	4	353308.1	5047417	2549264	3829326	282660.5	3724196	3822861	3832952	9592406
29.05717	10	5	5	3431641	28084914	6916056	23664739	7067471	31756834	33558680	21391147	19785422
10.95835	10	5	5	719932.9	4781587	808582.4	4112810	1240884	5031562	5786279	3851495	4060022
9.40615	6	3	3	322958.2	1764620	1093031	1179189	695278.9	2287772	3177815	577346.3	2029570
10.9645	9	5	4	456379.5	2021218	405252.7	1570701	893475.3	2355628	1986443	1422617	1905309
31.238	8	5	3	132883.2	636781.3	293934.2	483698.9	164350.4	981409.5	562757.9	262836.3	493301.8
9.952017	10	5	5	1832146	6283130	1197319	5610844	899022.4	8104888	6839323	5868609	5243153
9.4925	5	3	2	471094.7	1299783	358372.1	1059532	400291.9	1904915	1302432	1198626	1113425
10.9645	10	5	5	4191385	19919723	3464520	17255341	4807641	22692412	23441117	16177151	16335111
9.464933	10	5	4	7257609	19185534	10604767	42117844	47558534	28994193	22769486	28394435	8419497
10.63152	3	3	0	192382.5	528873.7	398948.2	724909	137128.7	205829.7	946363.4	979783.8	310773.1
10.00998	6	4	2	1961832	973746.6	935076.5	1962621	1946775	2621549	645159.1	771297.5	345789.3
9.928667	10	5	5	1942326	3843781	568020.1	3486134	564106.1	4647197	3850459	3989049	3655585
10.008	9	5	4	262606.9	762205.1	193375.1	643561.2	181941.5	681878.5	773136.1	1065787	753324.3
10.00998	10	5	5	1146827	2980628	946894.1	4178565	2413663	4099012	3183100	3539654	1712685
9.08685	10	5	5	54922184	2.11E+08	35756541	1.76E+08	67932540	2.01E+08	2.72E+08	2.08E+08	1.8E+08
10.94853	4	1	3	49008784	1.46E+08	98245171	75353079	1.25E+08	1.46E+08	438772.1	1.42E+08	1.67E+08
39.93483	4	3	1	326623.3	3469628	1793654	4390776	930227.9	937503.5	4085304	5663805	4113415
9.920517	10	5	5	66436300	2.44E+08	55188304	2.04E+08	68939074	3.01E+08	2.45E+08	1.75E+08	2.03E+08
9.93625	10	4	5	2671329	9415488	2641160	7131945	4305254	13875516	9084697	7437481	7424662
10.05535	7	4	3	254164.5	529169.3	58443.07	588056.5	115106.7	485305.1	454141.9	553881.9	599320
9.949233	9	5	4	3075978	8586314	1920824	6914212	3159773	10709956	9127439	6512716	6635278

9.999217	7	3	4	701584.5	1058304	330258.1	880581.2	215322.4	953986.7	1069519	726569.9	1606120
9.859983	6	4	2	555725.1	2447368	562988.6	1774990	1348260	1861289	2339641	2588470	2115411
10.008	6	3	3	792100.1	721967.6	353361.6	1209130	990448.4	947663.5	1049363	904053.2	492099.5
9.8445	10	5	5	7321042	10456845	1718903	17547810	14869205	11125062	9935301	12521600	10832949
10.78937	7	3	4	156788.8	396570.8	206459.1	289821.1	112091.2	125242.3	706707.6	392313.5	372875.9
6.751067	6	3	3	975193.4	37839580	16151665	29076140	10883114	35465681	40368182	13385967	58304028
9.91875	8	4	4	1999459	4334185	626361.1	3340494	2039693	5229312	4620756	3601914	3953388
9.220933	6	4	2	1679446	6028695	5427290	10950083	9410795	3662873	1216240	6143510	3898904
9.94455	10	5	5	5837420	20612793	2422902	17205676	6940923	22991369	20501776	17987658	18461709
21.76517	9	5	4	210904.9	550823.6	241268	835328.7	569970.1	712250.3	203683.5	766096.1	676573.4
9.853633	9	5	4	1954024	5135874	1005683	7399100	4709681	5305393	4563292	3748676	5746254
9.845483	10	5	5	5423805	31151370	6524550	25046846	11767107	27952141	25575123	26980587	33899504
10.95602	5	4	1	146833.3	399755.1	146412.4	315179.1	119987.9	543255.5	553576.7	336227.2	354017.6
10.008	9	5	4	691106	826086.3	116660.1	1240353	868476.3	936178.2	887152.3	899131.5	662536.8
9.970617	9	3	4	1023419	1231483	586256.7	937625.3	258901.7	1158413	814910	1914518	1730889
28.62017	10	5	5	633439.6	2888409	364526.5	3484575	1226867	2954148	3158738	2673729	2380130
17.23433	3	3	0	506465.3	3220521	1333557	2353999	1414872	2148592	4862169	2920938	1831814
30.296	10	5	5	349616.6	1460609	298602.4	1860730	812727.7	1662393	1869688	1382264	1212599
9.983433	10	5	5	858101	3715724	332816.3	3399201	613006.9	4282195	3691277	3653147	3512931
10.96997	6	3	3	163575.9	501501.1	194367	357490.5	256530.7	222141.3	410729.8	530218.2	618699.3
10.48497	10	5	5	2462704	2562897	534416.4	4610348	4297974	3490375	2554714	2243262	2271936
9.536783	9	5	4	697215.4	2014825	730191.4	1516880	844780.1	2286091	2874141	2204839	1808739
9.887133	10	5	5	12848772	8743181	1992181	26216544	36800298	9609019	8482357	11119019	8829161
10.96278	6	4	2	233663.2	753137.2	200626.6	582342	321653.3	524736.1	1048188	737276.4	627142.9
9.55155	8	5	3	288109.3	612210.3	183305.4	423648.5	371214.8	581141.5	935736.8	522260.9	501653.9
9.992233	9	5	4	1162857	3729645	443724.9	3230415	996468.1	3871528	3207207	3704564	3478811
10.03947	10	5	5	345467.3	975517.5	96635.84	837432.5	282301.8	939081	984441.7	857370.1	1123778
9.975217	3	0	3	1439398	621583.6	1037086	2630064	4169972	229772.3	2467803	264247.8	0
10.9645	10	5	5	430350.6	2129466	879456.4	1653787	591155	2395373	1322104	1335914	2144903
9.840617	11	5	5	3043161	10267391	1487608	8969100	2464864	11163790	12349094	9809533	9413128
9.856867	5	3	2	1040595	858359.5	688893.8	1911960	2164555	1287671	279231.3	1620914	1103981
10.07098	9	4	5	1538457	1394041	380947.9	2978551	3333017	1054377	1604817	1424687	1898640
9.392767	10	5	5	4397467	33219216	7519967	27986018	9019715	45848679	29727893	25963759	32493523
9.886083	10	5	5	4960784	11884837	2976277	17822674	12347353	12710601	7429107	11830588	15740379
9.93625	10	5	5	14402875	55605191	12417715	46542640	16058265	68560471	58787366	40684256	44617655



9.379233	9	5	4	764740.1	2258145	399793.2	1831725	845487.4	2852073	1893616	2237522	1897351
9.840617	8	4	4	475780.2	1284382	394460.5	1566110	493519.1	1520276	1679231	1147621	1404904
10.99268	8	5	2	155423.5	440002.5	133528.5	360899.1	117332.7	461748.7	324217.8	317006.9	451667.6
18.92217	10	5	5	3976003	35622221	10099320	29136877	10525086	33356789	44329223	31669154	21961893
9.999217	10	5	5	1492003	5071553	842922.5	4194546	1732557	5505197	6102602	4597747	3914466
25.289	4	3	1	130597.5	674136.7	412124.6	881052.7	188999.5	619169.6	1259165	594518.4	112523.5
9.388367	7	3	4	1624454	6914540	5931494	3716666	3961391	2190967	4297745	14789247	11618133
10.97242	6	2	4	311888	2214401	170742.2	2094126	209255.2	2336783	2304056	2016318	2042709
21.051	10	5	5	272826.1	1415688	269239	1205497	384979.5	1760478	1623600	1275954	1101840
9.8445	7	3	4	720043.3	2076918	710116.1	1552759	935964.1	2870354	2100120	1234700	1507762
10.15645	6	4	2	437522.8	789798.1	416091.5	1061122	447052.4	1160978	569742.9	1051876	1002886
9.856867	6	3	3	1829897	2189689	1224459	4308248	4388550	3676556	1428094	3333603	1529810
10.16453	11	5	5	54416468	1.02E+08	15771503	1.75E+08	1.55E+08	1.07E+08	96818996	1.21E+08	1.06E+08
9.284283	6	3	3	603108.7	1470495	584549.5	1069697	686027.3	2348137	1795936	998900.2	1123248
9.064833	9	4	5	723962.4	2219358	784640.9	1819968	399278.3	2374668	3444523	1667672	1424377
10.8937	5	2	3	248117.3	465852.3	291447.3	307212	202057.4	177010.1	845980	315478.8	704539.2
25.40533	5	1	4	102016.7	395647.8	73590.45	299176	196386.6	357685.8	519578.3	382297.7	327343.3
10.9645	7	4	3	212760.4	728392.1	197719.2	582052.4	261884.9	835595.7	728379.7	690593.6	428137.3
10.00998	10	5	5	865641.5	1036308	383894.2	1454602	833962.7	1187431	1440123	1288032	719223.1
10.60298	9	5	4	252706.6	713475.6	196743.2	549152.6	308921.6	610351.1	667324.8	601253.4	625955.4
9.859983	9	4	5	2798655	12589051	2499754	9633150	5957959	12250846	10556627	10387554	13224176
25.11783	4	4	0	3614202	8367086	16355901	637956.6	32656.25	1799489	676804.7	37608798	399333.5
11.01378	10	5	5	252505.3	1480452	520574.5	1133181	583795.7	1882456	1715628	743664.3	1130720
40.971	6	3	2	231720	2626479	420082.1	2852701	281106.2	2196374	3265785	2614716	2742871
21.30933	10	5	5	224950.4	1226853	376725.9	1031178	216135.2	853511.7	1832880	1291930	999009.1
9.379233	7	4	3	762928.9	1941251	1344859	1189332	1020140	2395827	155061.6	1075676	2459141
38.74083	7	3	4	273571.9	1602408	899027.9	1094300	703954.7	2644254	245407.3	2113864	1616631
39.02867	8	2	4	321946.2	5570337	2621494	4167996	1712705	4875573	4475953	4656309	3656994
9.1476	5	3	2	371073.7	797160.2	243867	1212162	860536.8	511210.6	1134140	821549.2	899313.9
10.9645	9	4	5	3134390	5440902	6991473	2137070	362390	2445355	2796328	2086706	1942556
9.848417	9	5	4	7262677	4479138	1168113	14192077	20552704	2828019	4652430	4065639	4815622
9.3494	3	3	0	1196269	3992277	1486636	6428412	5043205	3111627	4899877	5991858	2207865
9.310917	3	3	0	1454595	5649949	6001862	9000952	4540803	13571495	1242137	890507.5	1886375
9.915583	10	5	5	8011537	18831317	7095572	29660485	22335781	10311720	20689751	25985895	24669080
10.95055	10	5	5	490666.7	3004426	838835.9	2502657	759629.4	3808201	3501510	2041346	2151115

9.960467	10	5	5	1977496	7779030	978008.2	6872412	1757552	9160458	8163995	7862760	6694327
10.008	6	3	3	2848564	936825.4	522534.8	2615038	3537533	1233403	378667	697169	1692229
9.37735	9	4	4	659971.6	3679440	1667520	2543701	1943203	2588922	1461947	3870337	4991683
9.874317	5	2	3	1098316	2523445	1248984	1694168	1393277	2594759	748925.3	2147052	4188466
9.527817	8	4	3	1639306	12766463	11085906	7207863	5177324	5071686	7628175	9945866	32330059
9.473717	6	4	2	410998.1	1536923	522876.3	1079184	875162	1742548	2123444	1847016	942859.3
9.983433	9	4	5	1544513	1368897	1136820	822582.1	306831.2	1010420	956465.1	3373535	538470.6
10.9742	11	5	5	2245766	13091129	3144860	11213992	2840266	14268848	15737718	11640503	8281608
9.848417	9	5	4	2531403	8773890	2165965	11583103	5731860	7686728	6763503	8500245	8486585
9.992233	9	5	4	726271.4	1839183	430721.9	1538488	523337	2577195	1627003	1861043	1596509
9.960467	10	5	5	1743969	5911992	598512.7	5357036	1077261	6846283	5799008	6101148	5428069
9.94455	5	3	2	842750.1	1395551	548910.7	1007750	679920.4	1994074	1919378	1331424	801029.3
9.992233	11	5	5	1037620	1408858	332985	2282111	1837876	1751729	1598880	1585728	996179.6
10.57323	10	5	5	1063436	5165436	957938.6	4368730	1501406	5803000	5818132	4279091	3970779
10.00098	10	5	5	847064.5	1060097	295969.9	1518628	948289.3	1114674	1378214	1266252	905176.8
21.60133	4	3	1	56519.71	168340.1	40188.94	138878.2	52729.83	151073.8	200565.7	168046	110925.7
9.952017	5	1	4	3343855	2709617	1982863	1680501	1146331	6180412	1678252	2015892	2389867
9.840617	3	0	3	1351563	681347.6	316284.4	2350193	3534836	887541.8	669891.8	1052138	225235.6
28.04017	8	4	4	165628.1	622423.2	312608.9	862411.4	438945.2	1004488	563009.3	143746.2	693716.2
9.872933	10	5	5	43800892	91778887	13636690	1.51E+08	1.25E+08	96443452	87451628	1.08E+08	96038151
9.388367	8	5	2	2386275	5866302	1525180	10368169	9496135	7585904	6299328	6840090	4705983
9.856867	7	4	3	1246442	1234122	629288.3	2465588	2574763	2024915	524143.8	658008.7	1485317
9.856867	9	5	4	15397191	3061208	728575.1	19025854	33895580	4223633	3288401	2707431	2714743
44.95483	5	4	0	269650.3	5063084	583706.5	4781135	180769.2	5966060	4589739	5081629	4505337
9.445217	14	5	5	42102660	3.75E+08	72620750	3.24E+08	89119951	3.11E+08	4.39E+08	4.58E+08	2.98E+08
8.87445	7	3	4	506971.3	1486686	384569.9	1263806	324654.8	1369663	1514569	2114800	1080578
9.67	4	1	3	266394.8	229523.1	107442.1	449414.1	460853.3	206214.2	414998	215426.3	149570.2
27.72483	5	2	3	38410632	1616498	1265580	1.03E+08	2.17E+08	2645066	2355503	90840.18	389691.7
9.888767	10	5	5	2842224	13726099	1859478	11918972	3552019	15187294	15125095	11150822	12345557
12.54345	9	4	5	99687.28	378969	129575.2	296979.7	132891.7	537840.7	316454.7	288868.8	253625.3
10.95055	10	5	5	1677496	10364635	2767257	8784144	2254997	12981327	12292422	7375110	7359918
9.729367	14	5	4	1275052	7504459	2565430	5834125	2778830	10013514	9614663	8174105	5615885
9.498117	10	4	5	923152.2	6437251	2606425	4773179	2722309	9399451	7605556	7513273	2756382
31.3095	7	3	4	515228.2	1512385	1136650	2572209	2067184	1422015	387689.7	1461188	3388589
9.94455	10	5	5	7283980	30329501	5216130	25692032	8941694	36245536	33133283	25176015	24481019

9.514333	10	5	4	836646.7	2647587	959492.9	1932606	1294893	2544940	3530373	3374518	2677826
9.93625	10	5	5	3027992	12754190	2478714	10691622	3901032	15451863	13966153	10236661	9993812
9.933967	14	5	4	1508341	3055750	1392756	4017449	1670397	3722862	4669522	1874792	1341699
10.9645	10	5	5	4613265	20891775	3400372	18276387	4805000	25312099	20806455	17771294	17435949
16.25792	5	3	2	438005.5	651892.4	684688.7	1315468	1305388	126119.2	179442	1505279	1288577
43.54567	6	3	3	401464.5	5718954	1327116	7898832	4536656	6059988	6132858	5430144	3674085
9.872883	3	0	3	1404554	4095663	376965.5	2815611	2711992	4097427	4039491	4697926	3983690
9.8322	4	3	1	726018.2	1292022	691055.4	874215.9	647362	2213813	1738272	1048843	1020796
11.75717	7	3	4	257485.7	2391058	465736.1	2140980	314897.9	2317400	2632199	1670539	2410677
18.60233	5	3	2	165242.2	680212.1	199925.2	548800	220696.2	628647	838743.8	861969.6	366479.9
10.47023	9	5	4	184340.9	658781.1	121788.6	747192.3	158239.7	800041.6	747522.6	512295	674271.2
9.904767	4	1	3	2861950	1854914	954784.3	7915063	12890308	1783145	963420.2	3411165	1911128
9.388367	5	2	3	3218292	27092243	9344723	20317595	12120160	35000292	14943888	34418228	19195473
9.856867	10	5	5	6115747	3444351	544320.2	11186908	16487823	4183202	3572751	3205126	3559473
9.445217	12	5	5	2004699	18840331	5900473	15339435	5305789	20447637	16478713	17333144	12025235
9.992233	7	4	3	760226.8	774421.3	233860.6	953765.9	329519.4	738437.7	1119359	631661.4	870623.1
9.8322	9	5	4	1540832	6177005	961704.1	4861723	2708152	5635275	5745666	5367549	6369676
42.51017	9	4	3	283583.8	4356768	2368489	3141720	1315024	4144457	8464564	3300225	2504966
9.392767	6	4	2	584647.1	1015109	685305.3	615100.5	593226.5	1297142	1247024	0	722909.8
9.992233	6	4	2	409535.6	847934.5	189959.7	640319.3	417444.9	985774.5	1094695	638878	708511.2
43.60317	10	2	3	542094.4	6117679	1299713	5180314	1673501	6628771	7288499	6193968	6575280
9.9677	10	5	5	1349770	5892062	1212059	4778844	2167801	5105814	4567927	5720665	6372579
9.94455	10	5	5	7321777	30390378	5042317	25760642	9014983	36301096	32874941	25508642	24722958
9.972483	9	5	4	3913663	1896109	972483.8	5157080	6917403	2629303	3123858	1707233	752999.4
12.1213	10	5	5	116303.2	477376.8	38693.68	579862.7	216741.1	534010.6	479032	426897	483471.4
9.848417	8	5	3	2289640	11207252	2879419	9671240	1908236	12376169	10231217	7200709	15053259
10.94443	10	5	5	312546.8	1717292	497064.5	1430105	420299.2	2281953	2047909	1172507	1224295
26.30333	3	0	3	4053979	3547800	268557.6	11837606	17682822	3257302	3519143	3514912	3459024
10.02372	9	5	4	657323.4	490963.1	220796.7	695553.1	399771.7	305724	492503.1	607683.3	793545.6
9.431017	8	5	3	524444.6	2871190	1237512	1981723	1588285	2043129	4790238	3449445	2158523
14.86828	6	3	2	260127.6	3244153	821688.6	2660352	1035903	4571422	2420499	3092982	3364307
9.979667	9	5	4	387939.3	1081134	196742.7	878615.1	404160.1	1388272	1119476	1024662	852738.9
9.522017	7	4	3	694631.1	1648227	908573.6	1099568	853337.5	2116804	378419.2	1146948	1869073
27.22717	8	5	3	1757252	12811732	3681173	10576470	3500003	16016554	16598459	7897752	13055253
10.08665	4	3	1	579687.4	1059844	311749.5	802618.7	487161.6	1192640	921548.5	1364241	582779.9

9.9351	8	5	3	616075.4	1454368	369916.1	1118513	653600.9	1769076	1868591	973410.9	1244752
9.859983	10	5	5	17301896	61971607	4239951	78317357	34771821	60763348	63056677	68559830	60315237
22.0635	9	4	5	629871.6	1363439	2417729	230746.1	91751.7	168835.9	5681663	308470.5	163435.8
10.95055	10	5	5	526859.8	3071587	896274.6	2552296	765583	3945342	3570309	2085007	2119277
9.992233	9	5	4	2227901	2353738	829431.9	3520823	2414135	3049359	3261024	2380374	1297765
10.95055	6	2	4	389699.7	1770634	851616.2	1294848	660363.6	1773581	2693538	540719.9	1427526
9.554967	8	5	3	320371.2	665151.8	202854	441374.1	451655.5	632220.5	1021485	524567.7	567982.2
10.03947	8	5	3	669584.4	679542	120572.3	1067168	823535.2	555777.8	600805.9	819418.4	797766.1
9.352117	5	3	2	1223339	3254981	2036950	2104541	1629642	2547688	6075447	1493715	4656586
22.75567	10	5	5	200610.3	1240448	441086.5	1022176	196702.5	1098947	1786554	1507789	1189734
9.859983	9	5	4	2960335	2370405	684631.6	5119347	5853715	2340893	1721926	3158073	2958624
11.03413	5	2	3	14778409	36858300	28390436	21110190	21589778	8884331	3331808	63499362	54001837
10.51828	5	2	3	85367.8	221293.8	93754.66	167515.2	78215.62	203822.7	244868.3	185057.5	108822.5
18.02733	9	5	4	2570139	7867378	1321270	13204477	11367678	9644637	8457880	6683049	6447175
9.3919	5	2	3	607586.6	1372891	1048517	861882.5	404858.5	3200449	557508.1	1125272	850707.2
17.12683	3	3	0	518072.7	2839722	1118547	2120379	1194688	2098667	4057120	2493703	1581843
40.87733	7	5	2	7067299	18328109	37806158	642430.6	374882.8	85954437	1472731	1829844	1577294
9.55155	10	5	5	596490.6	1607431	298175.5	1362207	464894.9	1427344	2109900	1385905	1465985
9.842	9	5	4	1932476	9781344	2822352	7794304	3518497	10066204	8056375	6023022	11615982
10.008	10	5	5	16881776	17460490	6363388	23797410	12602801	11624375	26446842	21806788	14000957
9.445217	14	5	5	1.98E+08	1.52E+09	4.67E+08	1.25E+09	4.27E+08	1.99E+09	1.84E+09	1.72E+09	1.15E+09
9.94455	10	5	5	8251925	24838558	4438478	19723405	10401641	29426639	21989383	19926568	23225869
9.848417	9	5	4	3351781	11453975	3948018	8589499	5159104	9374774	13887623	7007799	10038475
9.3919	7	4	3	311685.8	1252872	684059.7	830743.4	675575.8	1077822	1854135	2006587	991080.1
43.28667	4	3	1	306271.4	5018806	3200949	3509850	594123.7	3553245	4232937	10677680	3757042
9.447733	14	5	5	9464182	71099042	15875728	60855054	17095162	98290891	66726422	56640891	65238240
18.02583	9	5	4	345534.6	2392475	465806.3	2106080	456940.9	3033178	2523821	1903025	1967753
10.00998	9	5	4	6299084	1230159	843223.5	7743600	13930786	1669560	2458269	1010207	353594.4
41.0715	4	3	1	226883.9	2732965	525970.2	2351077	688815.1	2054669	3507567	2565853	2857954
9.972483	10	5	5	1096749	2908347	869461.7	2306689	1056518	3959781	3668456	2706836	2147305
9.872883	10	5	5	6899590	25762801	1904348	32999877	15438601	25276638	26430968	28596800	25043368
9.845483	7	3	4	392832.8	1348611	365752.6	1101908	426167.1	1429413	1126915	1543872	852484.3
9.842	9	5	4	2779878	5521291	2055566	4322518	1796321	7195658	7886074	4063512	2995930
9.856867	10	5	5	15600003	1.15E+08	2044274	1.1E+08	12520882	1.16E+08	1.13E+08	1.17E+08	1.17E+08
9.8322	8	4	4	786935.6	2330643	436256.7	2056841	446522.2	2429924	1686094	2656547	2761033

9.830283	6	3	3	885704.6	3308979	976364.9	2670895	1078031	2378901	4953138	2921245	3002172
9.992233	13	5	5	2153906	5168490	2550801	3898435	1219177	4990193	3613207	3507982	4121592
9.872917	10	5	5	17266336	62175634	4297008	78505831	34862124	61285025	63068383	68834748	60538668
9.445217	14	5	5	9966833	95282660	28631715	79798877	20272813	1.29E+08	1.05E+08	1.11E+08	64226329
10.98385	4	3	1	468218.1	812356.8	489160.9	1199063	725127.6	1441686	421432.9	498427.4	458434.5
9.8445	9	5	4	941915.5	4206604	938746.3	3341605	1697300	4080500	3754964	3417653	3954877
9.856867	10	5	5	1.48E+08	9.79E+08	1.17E+08	8.38E+08	2.91E+08	9.85E+08	8.98E+08	8.84E+08	9.55E+08
9.365833	10	5	4	813188.3	8080508	1258567	6615919	2988270	8050688	6259345	9579837	7661094
10.97857	7	4	3	279136.6	879538.2	254255.8	731612.6	221536.5	628636.5	1206325	820061.8	1077696
9.8374	9	5	4	1211399	4462144	1416888	3311179	2180970	4367447	4734718	2227069	4844432
9.856867	10	5	5	5766054	6150450	1167148	12860554	14366974	7589963	6516832	6340676	5931512
10.95055	10	5	5	400205.1	2452760	644728	2079282	556063.8	3129603	2759172	1759437	1765592
9.856867	10	5	5	5628562	30259039	4276017	24868034	11100261	30978051	29962821	25337868	28138047
35.9635	5	4	1	150941	724200.8	483020	953643.2	128825.3	1224713	931951.9	290429.9	132130.4
10.95055	10	5	5	1661247	10351360	2782578	8790099	2209246	13063022	12348657	7468547	7241626
9.933967	5	2	3	999233.5	1232085	576282.2	2293198	2236932	1602819	314133.9	1803791	1322746
8.960667	7	2	5	128776.7	320636.8	144328.1	397437.1	96881.35	457690.4	425712.5	194117.4	386944.5
9.960467	5	3	2	468028	773508.8	413939.5	508902.4	439926.6	1008054	1230681	953888.6	272071.6
9.952017	10	5	5	4313705	16254702	2444380	13514318	5570446	18921461	17478673	13878840	13435943
9.976317	5	3	2	805728.6	1791390	1371910	1085272	801300.7	606023.7	972183.8	3575912	2960573
10.55813	6	3	3	346864.1	3045662	707955.7	2538171	912069.5	3366581	3512846	3715650	2023653
10.9645	10	5	5	1551894	6976098	1319393	5980563	1834596	7867154	8176376	5437100	5649337
9.992233	8	5	3	535652.3	965710.2	391922.7	1216350	417148.6	951975.4	1412702	823558.3	400726.5
9.912633	6	4	2	14101519	11687462	16308809	22614461	18853367	6006864	3918099	40814565	3882132
9.992233	10	5	5	832788	2646705	467773.3	2190934	906291.2	3154915	2908680	2825244	1990103
9.406667	9	3	4	10806607	29557194	21089578	19020119	10446589	57844512	45777768	11327558	12047200
10.02372	9	5	4	354860.9	1119819	116156.9	939409.2	377606.2	1058343	1278793	1207589	1032303
10.95055	9	5	4	173990.8	958465.4	241918.9	801135.5	265589.6	890984.7	1340694	791831.6	734890.6
12.82142	5	3	2	241498.9	480910.2	143148.6	807327.8	693075.2	357931.7	345794.1	510788.5	699066.3
9.392767	10	5	5	10772250	27970516	6568787	22104186	11444281	30710183	32017567	20755542	21236121
11.287	7	4	3	87709.95	361990.6	158173.9	275714.5	115849.4	288623.9	409930	484457.3	504112.6
9.903283	6	2	4	3192375	8091085	5991627	4458652	5747733	1368200	11357239	1774022	12798240
9.912633	9	5	4	2578373	5783514	2371051	4030999	3203844	6768997	3709474	3328500	5988590
21.50117	5	2	3	69854.29	317946.4	63740.23	242977	153509.4	373332.8	265627	245359.9	315551.1
22.92883	10	5	5	224601.6	729456.8	243625	1018719	592954.2	925061.3	792121.6	857268.3	764845.4

40.453	8	2	4	364521.8	2787074	922847.3	3353430	908404.9	1229253	2913355	3030092	3696362
10.95835	9	4	5	6420137	9136590	15998626	1688670	433911.9	2257296	2539342	1240813	37742632
9.8887	7	4	2	835251.7	2404680	1061866	1743969	1074587	1485178	4078661	1602209	2098955
9.374083	7	3	4	1087240	1382467	841552.2	950160.4	490306.3	319744.5	1777695	642461.7	2018675
10.9645	9	5	4	320327	1963670	367032.4	1621163	675895.2	1804505	2244267	1632850	1678865
9.848417	6	3	3	628745.1	2466692	852504.2	1921861	908269.8	1959686	1558334	2901401	3716976
9.994767	5	3	2	279266.1	725561.1	277944.4	502272.1	422596.4	567892	1187041	602211.7	494455.9
10.05528	4	3	1	489189.6	642242.3	295145.3	497452.9	128324.1	990755.2	327090.3	716315.9	347275.1
9.329083	6	3	3	4912389	29799907	18894179	19475712	13963278	13948946	28596244	52165166	45323588
10.15407	9	5	4	400555.1	1204104	198646.1	1340635	240266.6	1301490	1017320	1503800	1071220
9.445217	14	5	5	10051467	95427200	28846372	79886513	20384705	1.3E+08	1.05E+08	1.11E+08	64218214
43.819	9	4	3	245064.6	3008728	1083367	2472871	506197.5	4867108	2116002	2389476	2816410
10.00998	10	5	5	887160.2	3068595	582140.7	3694619	1268677	3728851	3002641	3558862	2734584
10.05535	7	4	3	329178.6	443153	145651	622395.7	369313.8	374204.7	587018	551164.3	476203.9
9.392767	10	4	4	1719261	5872190	4104231	9699096	7559492	5837263	4234855	12892829	2454756
9.928667	9	5	4	2448263	2793363	557450	4074910	2727124	3582803	3030271	2348648	2816185
9.999217	9	4	5	894279.3	4354281	709657.9	3513869	1724642	4499962	3132294	4458926	4748009
6.780067	9	4	3	978503.1	36404410	23617558	23963694	15407270	31267034	16271526	65732420	55951746
9.392767	10	5	5	11221272	28739893	6775277	22740184	11709325	32073495	32986953	20789108	22172785
9.872917	10	5	5	5722938	7198716	1256868	14115470	14854678	8715023	8154755	6163042	7187852
10.008	10	5	5	1790596	2413241	880659.9	3493799	2226444	3328174	2671195	3091379	1600821
10.9645	5	4	1	303285.8	655317.2	217273.7	773516.1	158789	758683.1	812534.8	615717.7	797257.9
10.008	5	2	3	4644563	8974464	8578752	4545878	5149440	638882.7	18986613	703531	8118109
9.986767	10	4	5	1610166	7135274	1468523	6150924	1706569	8860636	6290397	5161183	7212760
17.10317	6	2	4	140905.4	319071.5	101442.1	560656.9	514844.6	375711.5	378814.2	141241.7	370691.9
9.58245	5	2	3	838925.2	4526756	1535184	3286908	2355622	6568759	4467888	2920519	3197496
28.27483	9	5	4	562999.3	857532.3	269667.7	2468146	3461580	621782.7	1304995	722689.6	735596.6
9.992233	9	5	4	563195.9	1443924	623544.7	1813024	570333.8	1533388	2336411	1650802	874370.6
18.57017	4	3	1	51429916	1.21E+08	2.57E+08	1227359	121322.1	1245416	1315600	5.8E+08	19390328
10.95835	6	3	3	441696.4	505857.3	106225.7	689979.7	388658.9	499547.9	645759.4	356855.8	553580.4
12.54438	6	3	3	213241	713120.6	388639.9	1038356	625357.3	563215.2	1246755	473507.8	302589.8
9.992233	7	3	4	856034.9	800704	362910	1561434	1616739	839747.3	1288104	985070.1	421678.2
11.5372	4	1	3	121969.6	523130.8	263546.9	361036.9	261669.7	702467.7	487975.7	625660.1	80804.38
10.9645	10	5	5	1798888	8240686	1734324	7026175	2165976	9747987	9696272	6050383	6726352
9.992233	10	5	5	838812.5	3003249	156106.3	2654042	743491.2	2920047	3218544	3052023	3025658

9.523633	8	4	4	1053288	1098912	415273.9	2406689	2800817	1266660	1412658	813972.8	519631.4
10.008	9	5	4	482587.2	996574	220705.3	1255293	531033.7	886528.3	875426.6	1369226	1023779
15.99403	10	5	5	1218462	10908218	2553392	9028601	3442208	12975603	9822080	11745204	13021677
10.95835	5	1	4	561273.9	1525154	467413.6	1245931	436844	1868455	2127641	1190654	1002335
9.960467	3	3	0	366347.8	522506.6	429852.1	288422.5	316191	868040.9	839182.8	796632.5	0
10.94208	7	4	3	472929.2	1278299	158903.4	1511054	487223.7	1193955	1391567	1183030	1124683
9.46265	10	5	4	1361963	10737509	9673994	6117736	3139771	4415489	3161956	7292120	26982888
9.864767	10	5	5	11763749	27833584	2214123	37929088	21700904	29679635	27503774	30001224	27509624
9.999517	4	3	1	894937.6	708709.3	381184.5	1808403	2354374	768448.6	523988.5	352602.9	1337184
9.507167	6	3	3	631279.2	668859.3	305478.8	1134270	977187.4	937049.6	563066.7	937224.7	703830.1
9.992233	9	4	5	1702331	2641485	2501395	1465435	571594.9	1810467	1647755	1671052	7080586
28.12733	7	3	4	123761.1	503249	256833.8	747592.5	486298.6	787550.2	309458.6	199454.1	733252.5
9.398583	9	4	4	854614.4	3747689	2171584	5069081	2116565	3386920	5592118	6299177	2313095
9.365833	5	3	2	643077.9	2929041	1338194	2041468	1532730	2328508	4223651	2629814	1156989
9.844033	9	5	4	1020930	3399776	1024991	2592877	1523264	3843009	2759348	3261499	4894243
26.91133	5	2	3	273442.4	1624821	451603.3	1376265	344648.4	1146647	2351285	1527373	1410638
10.43382	13	5	5	2477655	6551720	1980366	8121813	2972463	9597168	6740443	6554531	5687544
10.51508	6	3	3	342914.7	726833.6	417055.9	526997.8	145873.9	425346	1458159	556951.6	657528.9
9.857683	10	5	5	3274581	7450661	1047549	10236737	5964749	6872324	6324633	8740084	8378660
9.999217	5	3	2	277338.4	482497.6	113873.1	337818.1	300072.9	620815.7	508260.9	533375.2	431500.5
11.49785	3	0	3	18513106	287739.7	65549.72	47033555	1.01E+08	365106.7	223894.6	217606.3	298666.1
10.9645	6	2	4	267384.2	733399.5	232045.8	581862	259074.9	609117	941374.8	389437.2	816095
9.928667	7	4	3	1134902	2539815	435617.9	1973711	1177129	2837662	2843070	2827142	1870695
9.40615	7	3	4	883046.6	1286154	307890.6	1074469	375085	921992.7	1011571	1624811	1511905
29.29317	9	5	4	232831.4	1585196	323775.3	1373170	363601.1	1754010	1951400	1240718	1245079
9.94455	9	5	4	1421463	1553280	360384	1889251	667005.5	1763551	995715.8	1615988	1940509
9.994767	9	5	4	625536.1	962745.4	340695.3	1261610	584813.1	1017399	1505136	916464.4	605793.8
9.3735	8	4	4	466332.2	2327207	751157.5	1809937	917980.2	2377698	2035377	1866410	3603047
9.541433	8	3	4	1364772	9770283	7294141	6325430	2013255	16424605	3258497	13424744	15137146
25.76133	5	3	2	81178.22	305913.1	146185.2	406488.4	178419.2	269548.1	179886.8	163667.1	486862.5
9.419733	11	5	4	1159854	9967101	2299862	11409501	2388125	12521039	10860714	11377213	7381023
9.8445	8	4	4	1024706	4666633	1446686	3621444	1905338	4609952	2308565	5034133	6227489
9.960467	16	5	5	1769064	3953233	876586.4	4627344	1264015	4388801	4010358	2445174	4247722
40.87733	5	4	1	12505607	33719143	68927575	1821353	313265.7	1.57E+08	2913054	3527120	2723112
9.872917	10	5	5	6107732	6546203	1616084	14171217	16438014	7183483	6470270	8205637	6987486

11.53673	5	4	1	59355692	1.18E+08	2.52E+08	1247495	1762993	1346805	355279.5	5.69E+08	17658916
10.94208	9	4	5	9023233	23989335	37684178	6542239	2268066	7343672	9670696	4630786	6976481
10.95602	7	4	3	337827.3	1043459	146132.2	1174737	258655.2	930120.1	857059	1075783	1199830
9.840617	4	1	3	5290215	18230339	9816530	11397324	12217276	21686215	15642148	21861266	2875446
9.952017	5	2	3	964451.8	1414922	916064.6	942110.4	560675.4	2462196	0	1816101	1617704
10.9645	10	5	5	6901262	47415713	5942637	43285884	7380014	49160702	52442212	41525255	40735668
9.896717	10	5	5	4357345	27421228	1848923	25346297	4256161	27364652	25137271	28969383	29512069
9.845483	9	5	4	1113445	4516041	1330264	3414264	2123879	4393173	4869432	2354005	5035336
11.65013	10	5	5	361687	2259612	523541.1	1954639	466652.6	2777170	2352346	1638293	1799392
9.976317	14	5	5	899707.3	5076023	1438013	4067788	1811947	3245305	6218320	5595929	6450756
9.928667	10	5	5	2060643	4180056	538127.1	3751244	816344.2	4912558	4145215	4460184	3870105
9.842	10	5	5	1132661	5221437	1125432	4143068	2157461	5802778	5637403	3529502	4716841
43.18617	11	4	5	2923987	18553368	28882302	5189277	2072468	4850730	70104630	7069194	2918980
9.979667	9	5	4	620263.3	1726586	767082.8	1230819	844490.8	2171815	2300753	1446915	498250
10.008	10	5	5	739526.8	2072470	383288	2710189	1351275	2134051	2596144	1967880	1529521
10.9645	10	5	5	699202.2	3282327	520061	2893182	723048.5	3625219	3774496	2765612	2673497
10.9645	8	5	3	1301436	943215.2	251298.4	1600506	1411630	1018599	1225188	550234.4	1039590
9.95825	12	5	5	2255877	8153011	1219753	6701072	3002681	9459629	9163560	8169985	7485111
9.445217	7	4	3	623024.6	2616663	978502.2	1852634	1446081	2985714	4130266	2373135	1797290
19.8975	6	3	3	2443346	35057708	4507725	29442465	11674010	41793150	31350661	30537935	35242372
9.912633	6	4	2	2119267	1866504	922259.5	3155729	2706473	1996051	805492.6	1152387	2244443
9.928667	9	5	3	1028759	3177341	618314.8	2751958	757870	2355177	2729438	3712908	3763800
9.447733	8	4	4	1573236	4814279	1281632	7852749	6520435	3822141	5212067	5840942	6061042
43.3995	5	1	3	421480.3	7955995	193422.7	7357069	1291043	8024448	7615668	7992502	8066276
34.5865	6	3	3	1609025	2680936	593769	7731530	10941376	3510300	2838902	2368371	2774887
44.98333	9	2	3	531252.1	5954005	1738808	4813771	1969206	3763247	7007724	6805466	4450842
9.856867	10	5	5	79556760	4.47E+08	61014518	3.82E+08	1.34E+08	4.8E+08	4.72E+08	3.74E+08	3.93E+08
22.72717	7	4	3	67501.29	177276.9	61426.88	143488.7	47484.33	198970.8	227676.1	84221.83	147736.8
42.69717	7	3	3	349340.6	3444342	1618154	4343979	1289292	4215715	4568868	3952214	589108.2
10.02372	10	3	4	3130464	467112.7	274885.5	2714726	4870833	677615	0	658479.8	522016.4
9.284283	10	5	5	1099768	4417807	926613.8	3509920	1829125	5721473	3824969	3730678	5080873
9.43325	9	5	4	1868945	2753024	1026979	6000759	7006594	3428633	3805207	1920389	1421910
41.60367	5	2	3	343431.8	3282219	1345576	4178435	1566462	4306715	3552925	3877162	3747668
9.896717	5	4	1	3516973	4936442	2480676	8222487	6878632	4272373	3071443	3862426	9292508
9.41815	6	4	2	331560.7	1359910	711558	950863.5	618690.4	1172255	2306545	1871759	613969.8



8.955933	6	4	2	2997773	19027588	10873912	12391692	10784419	16077128	34533438	22581983	17353720
9.928667	10	5	5	2313932	4708484	561452.7	4236220	918389.4	5452273	4561093	5098216	4370104
10.94443	4	1	3	188994.5	527284.5	111082.5	466858.4	83244.29	598907.9	659848.6	434374.4	394735.2
9.929783	8	3	3	476839.2	836034.4	471308.8	1103268	396319.6	966894.1	0	1059014	1020237
9.67	10	5	5	2656859	14237498	2593599	12037529	4289394	13488853	17482554	11201822	12710546
10.02372	6	3	3	296758	700310.9	383562	450679	429648.4	635331	242454.7	466316.7	949351.9
9.856867	10	5	5	3564013	5578864	235563.2	9571529	8668155	5701340	5603864	5652203	5765589
9.952017	10	5	5	2719305	9236996	1275709	8403830	1438846	11182050	9697111	9029105	7968725
10.98605	10	5	5	777536.4	2762239	379791.9	2309996	938443.8	2261251	2734848	2983090	3254504
10.008	9	5	4	313848.2	702896.5	183006.7	840116.7	256428.1	626913.2	476264.4	969363.4	670116.8
10.95055	5	1	4	246968.8	440543.7	361162.7	651461	326768.6	894711.6	765613.2	117551.8	185853.4
9.3919	5	2	3	421105.6	3168563	1713398	2311704	917049	1661100	1090110	5027294	4351571
9.928667	6	4	2	980033.4	2502206	700896.3	1845965	1313571	3456263	2526155	1757554	1899479
23.407	5	3	2	280772.2	2184813	333148.2	1847575	685089.8	1925915	2432150	2243658	1766730
9.928667	5	2	3	2179365	1130914	475359.9	2021751	1905047	1663644	1109027	1503703	476713
11.19273	8	4	4	1550077	608657.1	184134.9	4777805	9062489	833572.1	774259.9	511161.7	513014.3
12.29577	9	4	5	148839.7	665057.9	619694.4	376800.6	128933.5	385368	484892.6	377946.4	309162.9
10.9645	10	5	5	1234033	6067210	1123066	5266399	1462805	7108640	7109302	4739021	5047196
40.496	7	2	3	366154.4	9494171	5837983	6349595	4266859	19899113	7279262	6034239	7156208
27.70617	3	0	3	14132515	313660.2	59516.85	44188815	95408433	321848.5	266811.8	263820.2	410384.3
10.02372	9	5	4	2392234	792845.3	197284.2	2356170	3396678	728024	1039302	928344.6	529172
9.856867	8	3	5	1255567	2643725	984756.3	4428431	3814012	3021932	1475237	4065645	2601065
10.9645	9	5	4	342427.9	2040557	354618	1649865	804461.5	2053684	2048560	1642006	1860002
11.67478	9	5	4	107057.8	726849.5	217995.8	863641.5	229381.6	813685.8	1066690	647449.2	568237.5
44.98333	6	3	1	247466.3	2515080	533459.2	2263093	169524.1	3383421	1926667	2497227	2425326
10.9645	10	5	5	444857.9	1715502	373669.6	1456385	466807.6	2095620	2052685	1689008	1195422
9.886083	8	5	3	1971959	3581972	795773	5939930	5099827	3697245	2643888	3994111	4619637
10.8926	4	1	3	138030.4	305271.6	112746.2	393559.4	168284.3	279029.6	314512.4	168289.9	283639.1
9.8322	9	5	4	888218.7	2675367	515564.6	2377435	457282.7	2952530	3381894	2328576	2070436
9.845483	10	5	5	890614.4	4312268	899394.9	3685704	1132479	3570366	3457157	3991130	5346288
9.262217	4	1	3	716777.5	5195482	1647138	3990234	2234475	6715372	3573012	3255918	6393602
21.267	5	3	2	41439.9	132377.1	41623.49	107162	40948.54	93473.87	189502.1	90028.85	150310.4
9.93625	10	5	5	2545329	6224727	1898344	4848226	2542012	6755453	5030574	4155079	6060108
10.03947	6	4	2	24123076	6627320	13281981	22933441	34045421	455635.8	420266.5	999758.5	878452.2
9.374083	3	0	3	9604230	0	0	38935715	84822855	0	0	0	0

9.388367	6	3	2	539232.8	3672761	795153.3	3213879	704230	4403163	4306033	2783722	2847427
9.8887	8	4	4	930872.9	3276877	342017.5	2878267	827898.9	2869439	2962599	3396936	3639826
9.859983	6	4	2	1847360	1815609	525485.6	3831375	4375960	1927883	1742721	2134804	2314717
9.596017	3	0	3	12942673	584495.8	262074.7	13668310	28515831	842134.7	799749	660549.7	362775.8
9.842	10	5	5	17754230	24838598	3629903	40006863	32961367	26906278	22961483	28769247	26015562
17.512	3	3	0	22455300	1.48E+08	1.18E+08	93341002	14946574	97315468	3.54E+08	87702251	1.36E+08
10.73262	5	3	2	153946.8	500383	192813	406875.3	85501.98	504894.5	724005.4	625092.2	221788.5
39.3595	5	1	3	412893.4	5476713	760820.8	6183818	1418118	5382539	5712160	4236604	6260117
8.826967	8	4	4	272939.4	494269.4	293224.2	327779.4	250220.4	552846.8	786753.9	579781.1	551965.3
39.57533	7	2	4	427098.3	4234836	1953450	5243598	1240585	5155733	743604.9	5218843	5045753
9.848417	10	5	5	1253162	8147815	1329943	6678137	3036164	7667783	8319800	7081401	7296672
9.999217	9	4	5	2223395	2922574	2856286	1557398	1106270	1855301	2591296	1539612	7891295
9.494433	4	3	1	467797.5	1261281	661491.6	1709383	798907	1286627	724120.2	1059256	854820.1
9.445217	8	4	4	518439.1	3571202	823978.4	2964927	1130123	4450363	4472901	3175528	2795387
10.95602	9	5	4	517268.8	1953076	359968.3	1610178	691762.9	2030076	2235343	1589847	1567266
9.857683	10	5	5	4.93E+09	3.81E+10	3.26E+09	3.55E+10	4.81E+09	4.06E+10	3.92E+10	3.43E+10	3.49E+10
10.02372	8	5	3	637145.2	565423.6	134167	883976.8	688263.2	566582.4	605354	720393.2	583953.9
9.856867	10	5	5	12462990	33858351	5137343	49226728	33335388	39488797	38762529	27633064	30761110
9.37735	5	3	2	3413793	5289260	6324298	2339754	1635173	1528520	16180681	2175067	1106564
9.888767	6	2	3	3226153	8238105	6801632	4827863	3780887	7505726	19306443	2493951	2903565
20.8275	10	5	5	1960331	16257680	2593836	13537284	5585661	18386639	12774562	14933199	19163137
9.554967	10	5	4	7808746	4101198	4423974	13737076	20794649	725915	2459585	5529570	11173706
25.33483	6	3	3	509586.6	1837794	1179835	1255761	599664.8	3406853	1687268	310136.3	1282543
9.80755	9	5	4	2303842	4343553	1654794	5418024	1864602	4723326	1628483	4126266	5877216
9.379233	8	4	4	1024934	2513050	1279236	1806809	1018371	2549882	1683085	1160882	2656705
10.9645	10	5	5	4159639	20094564	3207208	17615147	4725496	23349985	22227665	16386083	16927232
9.018167	7	3	4	366892.5	517713.3	271943.3	670759.2	227865.9	650306	909522.9	459871.4	363591.5
9.94455	10	5	5	6765181	23555818	3620975	21495590	3118171	29412456	24757455	21217740	21413638
34.60083	10	5	5	5179111	11384627	3954254	30464400	41585142	18028964	11584045	7755679	9879106
44.83967	10	5	5	969789.7	14724570	681509.7	15160235	747347	15690397	14255973	14023578	14515591
10.96997	5	2	3	1109996	4200590	1851839	2977582	2149308	6028730	6177781	2032089	3842527
9.856867	10	5	5	3622409	4165897	840660	8015621	8389635	5378338	4689820	3812022	3447598
9.845483	4	1	3	1409415	3988332	1929022	2949400	1430505	4990306	1426151	4799994	6148217
9.912633	10	5	5	12417884	61016552	6849495	50810445	21709762	55995760	53692117	58930418	67830612
9.976317	8	5	3	475203.7	1204855	257796.5	942222.8	537281.8	1633179	989514.8	1039995	1118881

31.7245	7	3	4	436564.3	2437921	2645624	1158238	1170347	643493.2	1489371	104215.4	6641354
9.264333	6	3	3	313845	1121972	610964.8	745945.1	624618	573413.1	1047802	722417.5	1130857
24.609	10	5	5	2968372	21035572	3007325	23099638	3721395	25175352	23169693	19339172	17995410
9.960467	5	3	2	684589.2	1164511	190512.9	968611.2	401520.7	1324895	1130347	1381135	913736.6
9.8445	9	5	4	2449423	13400050	1998241	11480197	3888504	14013892	13316749	11104627	12189436
10.8507	8	3	5	194235.1	581422.8	283501.2	446584.4	106472.6	205953.2	971695.3	507532.2	508506.6
10.97242	10	5	5	590823.6	2911889	542336.2	2438114	939637.2	2927469	3321703	2375332	2369869
9.853633	9	5	4	2211117	11325918	2351067	10059540	1747810	11681709	11425564	7401210	12535051
9.40615	8	5	3	831655.1	2072359	478662.8	1474027	1256799	2488647	2463842	1508464	1602426
9.928667	9	4	5	2199018	4449079	610379.1	4012265	806224.8	5190020	4174159	5004392	4072100
10.00385	9	4	5	919641.4	1044898	1172688	507763.5	98686.79	3137777	465638	427004.8	629845.9
9.960817	9	5	4	1881110	3778227	1382124	2891046	1529904	4907074	1547622	3803849	3679319
9.880683	10	5	5	12888382	30672818	4827990	47496802	36645830	32156564	28915483	36174864	32749396
9.642433	5	3	2	189888.6	381888.5	274223.4	239381.2	180704.5	737007.8	584530	336918.7	133265.5
9.346	8	5	3	822195.6	6421783	2459079	4672859	3219809	6959909	2343741	8742514	7786117
9.857683	10	5	5	75958856	5.02E+08	45627577	4.59E+08	88268931	5.39E+08	5.21E+08	4.47E+08	4.6E+08
10.00385	7	2	5	270179	916909.3	273980.3	764906.4	222189.2	913759.5	541586.4	1002797	1296872
9.920517	4	1	3	1042535	2141112	1283576	1443964	981384.5	2315336	290248.1	2090982	2098729
10.32433	6	3	3	131834.3	584440.6	103584.2	519954.8	108574	501930.5	699235.3	482528.1	690398.3
9.40255	3	0	3	12629142	49610.07	68358.26	29813724	65177026	0	134812	0	0
9.4925	10	4	4	1848292	5144782	3127293	7114583	3352843	3234244	944140.2	5313942	8382145
9.8445	9	4	5	5028281	6640130	9735867	2187978	818557.5	2747005	2406955	24011365	1129394
9.864767	10	5	5	22467822	47115181	3814656	74810816	60612947	47015524	44757134	50200638	51433746
9.49445	4	1	3	615578.2	1024430	544166	714635.2	472480.8	1656383	458622.6	448685.2	1321863
9.960467	10	5	5	1084328	4236490	681906.3	3787266	791763.7	5045729	4717724	4314143	3426694
10.70315	10	5	5	2041521	8756412	1789677	7236132	2999990	10059102	10293746	6815355	6793720
9.872917	10	5	5	8046906	59025460	5974664	55242492	6474619	56427597	49852429	63019916	64602001
22.94333	10	5	5	177398.4	1934099	109278.8	1806297	267254	2032483	2071809	1836369	1864615
9.999517	10	5	5	606278.9	1705006	401325.4	2004933	566500.6	1422104	2255687	1867191	1223353
13.41838	4	1	3	778748	3626886	603047.3	7418160	8298871	3445188	3635194	2985482	4616622
10.008	9	5	4	827718.7	1182540	449762.5	1572943	775419.9	1181737	1856468	1080572	595749.5
9.538267	12	5	5	3108265	9843585	5439538	14005620	7939777	11165407	427296.4	12041296	11100099
9.46265	9	5	4	1820809	2064053	1294163	6275812	9187713	3882888	926979.4	2709714	767717.4
9.856867	14	5	5	8353666	11987497	1462187	21170130	20107423	12344471	10698147	13671846	12961021
9.3919	8	4	3	1398828	10130174	5231129	7463033	3218138	15507917	3141934	12631213	13224077

11	4	1	3	254608.5	1550717	373838.1	1254270	573230.3	1592678	1892311	1067081	1283219
11.64247	4	3	1	107099.4	333204.2	155900.1	239559.8	152828.8	195858.6	415337.5	285182	563671.8
9.16125	3	3	0	1632543	1113376	662692.7	3483501	5176763	1118089	478487.3	1300152	2116215
33.3695	8	4	4	1477020	2058083	1545107	5302387	7027813	1695967	891544.6	658799.6	4474176
10.93412	4	1	3	261843.2	748807.5	215080.6	569032.4	353719.2	487090	767133.3	595421.5	863639.9
9.845483	10	5	5	6916290	39931599	8645324	32173027	15557964	35525096	31838193	35467292	43402542
9.2468	6	3	3	22517406	3294597	1419927	23261910	43810528	2889226	1198974	3540415	5095039
10.68888	3	0	3	164649.4	223000	23887.38	355290.8	289862.7	194499.9	246104.7	215057.6	249471.9
9.609367	5	3	2	914085.5	510875.3	122699.4	1798965	2826420	627392.9	443761	649194.7	468917.1
9.960467	3	3	0	355321.5	708956.3	184669.2	461250.7	525615.4	872791.8	910383	712449.4	546868
9.983433	10	5	5	401576.3	1455478	271956.4	1270871	332813.2	1379603	1802182	1675472	1187387
9.9014	5	2	3	594369.4	949034.9	530727.6	1459176	1038497	1358472	127338.1	1254031	1306877
11	10	5	5	737843.1	2811687	730693.3	2290317	966389.7	1657990	2569342	3025100	3380043
11.82952	9	4	5	238394.7	2163814	397541.2	1921692	401696.1	1985455	2546487	1692838	2610620
24.609	10	5	5	2374044	7119098	2126088	10298926	6804251	10429916	7852575	6614233	5172146
12.98183	3	0	3	17250900	940863.2	86326.81	40297820	86481724	977784	788430.8	957876.4	996032.1
22.294	7	4	3	68919.46	170634.5	98276.01	118733.4	69608.28	93207.32	342182.2	128121.3	150750.1
9.106183	10	5	5	1459273	5127539	1349443	4336134	1262947	4832848	6141922	5473405	2939338
22.24833	5	3	2	186936.1	1644511	708176.6	1309555	264712	1111135	2774910	1876896	1381139
9.77355	10	5	5	8771388	16082051	3763003	22272821	13321491	22536112	15921170	14410286	14633445
9.842	6	3	3	1454341	2839530	1449135	2021560	1242594	3444684	783389.3	4583228	3294307
9.999217	8	4	4	272343.1	503205	231921.8	643761.7	232637.6	610079.9	750601.4	618264.7	366388.8
13.97527	8	5	3	73385.81	421089.8	54467.43	384095.7	66880.35	465637.8	440647.8	329224.4	453343.6
10.37908	7	5	2	195875.6	479402.2	220940.4	370640.6	115432.6	537479.2	826279.9	391251	238512.2
17.045	6	2	4	48335.84	211867.9	95650.72	164183.7	53610.56	362881.8	199972.1	107470.4	161736.3
9.43325	5	2	3	2056724	22726131	4924289	19774393	4833111	29446549	22585533	19780406	25182844
10.02372	9	4	5	333238.4	811321	212626.5	683522.2	209851	665540.2	1133597	906433.4	605535.6
9.40325	6	4	2	11049844	27353701	48600921	54761169	41608412	1227685	20657475	1044983	1.13E+08
9.992233	8	4	4	1697077	1436323	544247.9	2015781	1202239	960803.9	1645048	1133480	2296112
9.888767	5	1	4	1457697	7008873	3910609	4850017	3171146	2321305	4293898	11584683	10278827
10.10223	13	5	5	13336467	36473986	21097951	75322120	84048820	65995361	48797730	30461444	24841425
9.419733	13	5	5	2218081	17738192	4126027	15504996	3167675	14198505	20620612	23065977	13407124
38.45317	3	3	0	222649.2	3026088	980599.5	2578839	116057.9	2567198	2662158	2373490	2766557
9.370583	5	2	3	915001.1	603879.7	123409.7	3367863	6081350	431079.9	542103.3	759094.5	642349.3
9.888767	10	5	5	946317.4	4343847	679910.7	3769694	1137138	3609668	3647921	4711788	5126231

11.287	6	3	3	133049.6	376110.7	287830.3	540125.5	252999.1	868872.5	347595	165773.9	174052.1
9.992233	5	2	3	492651.7	551323.7	481531	848348.5	500697	1098886	71886.85	978918.1	88872.63
9.573333	7	3	4	4.31E+08	2.97E+08	6.04E+08	22942391	8219396	29549801	1.38E+09	23289656	26380964
12.64667	10	5	5	702544.6	3991159	913309.4	3443083	900842.2	4787507	4824590	2923501	3114332
9.848417	10	5	5	4225820	7949567	1004229	11472289	7725612	8284560	7521582	9130879	8341032
9.856867	10	5	5	2424530	4665340	710096.3	6683055	4414628	5204162	4797828	5345399	4397996
10.95835	4	1	3	510820	1531083	634233.7	1092072	804814.7	1814791	2179850	482376.1	1612442
9.55155	4	1	3	323757.3	826555.8	188239.4	703984.2	216265.8	883209.4	745047.2	613569.9	774836.6
9.514333	9	5	4	535396.8	1037278	369236.5	757017.6	536587.8	1114419	1486782	1245918	777996.8
9.616167	9	5	4	865466.6	2028748	518489.3	1654234	702062.9	2058320	1996515	1630386	1583384
9.983433	9	4	5	1412439	2563122	1785199	1656045	1105407	2047912	2552443	1619897	5590425
9.856867	10	5	5	4.62E+08	2.62E+09	3.93E+08	2.29E+09	6.73E+08	2.82E+09	2.75E+09	2.17E+09	2.27E+09
9.8322	9	5	4	737742.4	2733330	793445.4	2091279	1258324	3354461	2919324	2022037	1794545
10.95602	9	5	4	208931.9	801206.9	213672.3	665112.6	236406	917622.2	1078867	528539.3	668885.4
10.61667	4	1	3	36485428	3.51E+08	30954466	5.1E+08	3.49E+08	3.73E+08	3.64E+08	3.7E+08	3.5E+08
9.960967	6	2	3	942371.3	1679366	211686.4	1493077	373958	1620047	1637255	2016638	1688704
9.976317	4	3	1	5044634	5422959	6669490	8978399	4922764	590590.6	803200.1	696038.2	14789322
16.4913	9	5	4	164976.1	1368404	309090.2	1527310	201163.4	1176924	1139091	1181141	1481425
9.824233	9	5	4	1443145	2193870	656973.3	3446564	2720244	2851906	1224895	2698308	2298806
9.388367	4	3	1	2011791	9863249	8955717	14397412	5471963	21116784	5130095	3208602	17914158
8.902983	6	2	4	205315.4	356045.1	303463.1	513716.8	205521.2	210434.6	889486.6	264946.5	279349
9.460217	6	4	2	370318.1	1151141	728683	686400.5	808799.8	1071091	482782.8	772734.9	1046432
19.92667	9	5	4	401909.4	2569528	437576.3	2064854	1061001	3223073	2283995	2078112	2567444
9.38065	7	3	4	783163.8	2743114	2022598	1760153	992395.2	1021857	5047773	4810967	1030936
9.986767	7	4	3	590193.8	870481.4	387331.7	1240011	755372.4	1323966	1213989	810217	528978.3
9.848417	7	5	2	1987388	2652422	1067613	3886951	2597118	3901731	2304007	1988331	3631283
9.736117	8	3	4	292491.3	671657.4	312193.8	488990	293284.7	763301.9	190329	620012	734633.8
11.13867	10	5	5	4664334	25696336	5573557	21330156	8478586	30472040	29330238	20267050	18994303
9.903567	10	5	5	1469072	2870071	782969.3	3650407	1608840	3552952	1918846	3767074	2754223
14.0342	9	5	4	2451582	13001382	4287465	22641867	21054164	12183280	9159161	11831210	11459564
9.93625	7	3	3	1303524	1971130	676164.7	2682655	1479800	2630566	2632955	1591980	1929251
10.83632	6	2	4	204205.2	441715.2	150322.5	343343.1	174724.6	374073.5	667639.4	521422.7	315744.8
22.71267	5	4	1	2348147	8496380	10454926	3560078	4030419	3416488	26552293	2634077	1352636
9.856867	10	5	5	16296526	1.04E+08	5167015	1E+08	8543313	1.12E+08	1.02E+08	98164805	1.02E+08
26.00567	8	4	4	242570.1	2099058	717438.9	1683502	659829.9	1416278	3293147	1838201	1790220

30.30917	7	3	4	96066.48	371544.1	65434.49	443330.7	150236.3	341568.4	477768.4	324116	323371.3
42.0065	5	2	3	820073.9	14452838	7165450	9958351	7741984	10812008	19074810	18991970	3479420
10.9645	5	2	3	488077.1	1304024	551895.7	988640.4	492953.6	1841788	1947965	730281	983991.8
9.4468	12	5	5	1524422	9735581	2995423	7234216	4965029	10374652	11307813	13462549	7629026
9.912633	8	5	3	1782295	4601157	1420779	3395051	2405401	5732675	3572953	2879545	4554874
9.856867	10	5	5	1591012	3893810	611085.3	5189054	2828076	3780198	4966582	3535264	3490961
9.856867	8	4	4	4832548	2805583	648349.9	9266693	14278056	2851138	2289239	3906244	2452430
10.95055	6	3	3	248867.3	586664.5	283908.5	442647.1	176897.2	853501.5	899452.4	231528.3	506501.5
9.856867	10	5	5	2634497	11708930	4432812	9624148	1663275	10269148	9513355	8130275	19370441
10.22632	10	5	5	6059847	28966219	4563500	39140331	22253208	36198966	29833246	24280932	28367239
9.93625	10	5	5	14165867	55262837	12288486	46745564	15712542	68230595	58364925	40539456	44377908
9.392767	5	3	2	1083864	10627692	5959997	7555119	3963518	6266756	5104301	18592593	15280568
24.0245	4	1	3	210546.5	1085302	612117.4	739392.4	533725	516511.1	1201767	396347.1	1522250
9.401917	3	3	0	335051.2	566179.6	363552.9	367406	291373.5	1144025	554303.3	512085.4	136027.1
9.992233	8	4	4	1747169	718084.6	139536.4	1354515	1404713	828777.2	584729.1	840100.3	550040.6
9.994767	5	3	2	420169	778674.9	206339.4	574710.8	421037.4	931529.9	974645.5	873832.6	578119.4
9.848417	9	5	4	3085325	14060904	3080203	11271982	5658900	12036541	11865999	12385264	14904524
10.9645	10	5	5	282472.3	1034926	308774.7	835148.4	353312	1361336	1362316	867207.9	688510.2
9.311883	7	4	3	592269.4	4150823	2167005	3002856	1585012	5193031	747137	3357011	6230616
9.5876	9	4	5	458183.1	1306269	130067.4	1107846	428292.4	1311655	1198032	1316096	1192310
10.008	9	5	4	17531416	1124195	304720.6	17354490	35924179	1083087	1594805	1216800	822025.5
9.976317	7	4	3	2723727	1641112	852198.8	3458302	3974756	1460713	542036	2902494	1841484
39.4025	4	3	1	376763.6	3825406	1434483	3177193	70512.19	3363786	5855109	3412995	4484564
9.856867	7	4	3	2210678	1635374	785558.4	4545045	6419463	2233769	2330953	1617074	1634913
10.01477	4	3	1	380021.2	387541.4	311068.2	236493.2	155799.5	859196.4	0	446141	296315.8
25.0725	9	4	5	773510.9	1347503	1941920	469590.4	153590.4	4810492	252115.5	681927.5	479047.6
10.9645	10	5	5	593358.8	2667050	612688.3	2294333	627881.9	3234558	3293095	2175808	1928847
9.928667	10	5	5	1887488	3736510	343000.4	3448611	574116.4	4292106	3585079	3835746	3519624
9.340183	8	3	4	1574074	1211830	129972.5	3483128	5032239	1422970	1219695	1193133	1147156
9.887133	10	5	5	9138996	54482283	2810835	51583131	6036197	51980165	53594875	54772701	52895877
10.91673	3	0	3	414926.8	1178234	307975.1	826201.5	743127.4	1130620	1579668	992724.3	804768.8
9.392767	9	5	4	2518649	2069025	655678.5	4175585	4645358	2454477	2517208	1283642	1431619
10.05535	8	5	3	451363.9	539677.6	149577	1206014	1473168	406968.4	597029	440819.5	774507.8
11.01378	10	5	5	796907.3	2308587	406805.6	1862469	937385.3	2902961	2253485	2417533	1779925
9.93625	10	5	5	25123442	87461292	13980824	80077712	10180431	1.09E+08	94323965	81392006	74905124

28.20067	5	2	3	20043580	97133551	89401399	48554643	70859378	1.73E+08	1.73E+08	424457.7	1.38E+08
9.979667	7	4	3	617278.3	778901.1	236510	1477706	1540101	1108326	469641.9	879292.8	685155.4
9.338567	9	5	4	1099384	2643165	1138910	1989856	1034116	2495308	1471233	1832529	3050089
11.5253	4	3	1	37089940	75861585	1.63E+08	2190290	4306191	789488.1	464684.9	3.68E+08	9375892
11.59172	3	3	0	92631.38	207637.8	146053.1	140784.1	34740.46	398666.1	305871.6	24674.43	159923.4
9.445217	8	3	4	805897.5	5712616	4628271	3476892	2258314	10863369	10401607	3788179	2788686
9.659033	9	4	5	752493.1	1719276	943484.1	2719123	2092128	1786479	2397021	1291527	364115.8
44.53567	11	3	4	252525	2986781	240630.5	3583957	1313173	3334805	2990445	3047084	2675970
9.56645	7	4	3	350110.8	771186.8	287591.7	584751.6	331491.7	525830.5	1174196	521323.9	673178.7
35.11367	5	3	2	310929.3	2526599	1144754	1981246	503826.9	2025327	1737037	1379831	3543980
28.142	9	5	4	113222.7	688358.7	180822.9	585775.3	160241.1	859591.7	673857.8	552289	474891.8
12.6321	10	5	5	280790.4	1724068	344546.5	1506657	379061.9	1961124	2038971	1169651	1647488
35.68917	10	3	3	307067.2	7990966	3684025	6175360	2035288	2877797	8467129	13255551	7722753
40.0645	9	1	4	330297.2	4746796	1081616	4172042	805671.4	3993981	4573797	6638733	4399354
9.983433	15	5	5	667284.4	1595087	433486.7	1944768	690620.4	1095411	1542351	2277266	1417515
9.374083	6	3	3	318357.4	695523.3	352134.3	498558.8	301909.5	1201282	561513.6	240155.5	661873.6
9.840617	6	3	3	578811.8	1534604	565677.8	1995339	912760.3	1241939	1059771	2299693	1973691
9.541433	3	3	0	505060.1	1488749	435766.2	1114403	752958.2	2223116	1148855	1436462	1465078
9.55155	5	2	3	295222.1	605073.1	171564.9	462289.9	284749.3	624009.7	894529	535220.8	474299.3
16.476	10	5	5	624355.5	2669406	1410240	1882593	1203223	2719916	5019823	2427639	1728855
9.872883	10	5	5	14571787	54819037	16750735	63415994	11117915	59423047	49357252	29243037	73859003
9.858833	9	4	5	3821107	9487139	10026629	4938966	1711969	6554580	4275869	27339324	5157044
10.9645	9	5	4	498891.3	2235371	447988.3	1815744	861470.8	2218911	2162153	1794906	2019502
9.94405	3	0	3	2450670	4706721	2614410	3305921	2001147	6576926	368361.3	4899018	6938902
9.858833	10	5	5	38798036	83421271	9998243	1.29E+08	1.01E+08	87571340	79611620	95691206	85424557
9.946367	11	5	5	2679590	10095068	2443036	7973552	4282346	7881560	8185686	9461513	11128844
10.008	17	5	5	916499.2	4368769	1354213	3400304	1827079	5458839	2040720	4407001	5024993
9.970617	9	5	4	1476333	3373305	1079948	2467984	1810733	3131776	5153980	3200420	2203970
9.4468	8	5	3	1222182	3880121	1478155	5623966	3704635	5508982	4167836	5020069	2223119
10.58813	6	3	3	236973.1	972777.3	304717.8	808405.4	238029.3	579001.7	1316187	1239273	909695
10.008	5	3	2	338216.8	581089.6	288209.9	774796.1	353610.9	636467.6	161875.3	954106.4	492034.5
9.311883	5	2	3	379220.5	3249079	1573092	2268673	1697697	4607661	947244.7	3943359	4432166
10.95055	10	5	5	686118.3	3738534	1114923	3139915	860607.3	4799703	4475460	2605130	2458149
25.36367	7	2	5	627874.4	3663376	932911.3	3085293	996908.4	2828543	5188315	3871896	3137694
9.872883	10	5	5	1569443	8278890	830642.5	7444784	1736754	8307741	7611668	9214221	8965550

10.97857	9	5	4	10403612	1.16E+08	9896596	1.07E+08	19519596	1.19E+08	1.25E+08	1.05E+08	1.07E+08
9.731817	8	4	4	6833212	1086485	450634.2	6613128	12290474	1717162	1299767	1043343	838596.7
9.949233	9	5	4	869394.9	3054827	464465.4	2584425	980987.4	3453704	3444296	2792313	2376604
19.60683	6	4	2	1021485	2273903	4186177	387545.8	455717.1	9748855	728571.7	277014.6	70256.71
20.90317	10	5	5	679741.8	2988351	545346.2	2533399	910764.5	3351677	3245433	2369768	2435684
10.9645	10	5	5	20658268	1.41E+08	15854404	1.29E+08	21978165	1.52E+08	1.54E+08	1.23E+08	1.24E+08
9.4775	5	4	1	4981576	13149073	9266549	19133056	10671671	29633737	10615896	8218061	9035832
10.95055	4	3	1	234801.9	506317.1	235181.4	389343.5	138224.5	726984	735295.7	491726.1	401188.5
8.827383	8	4	4	373176.6	2711348	824400.4	2304073	468969	3484060	3434265	2352378	1501148
9.596017	10	5	5	2404626	25249056	3267860	21992340	6780613	21114876	25773641	23458820	26004110
18.864	8	5	3	4246513	457227.5	181565.3	9959343	21159895	695332.5	251310	586568.4	337778.6
10.07237	9	5	3	21217906	1213656	1076205	23889137	50501490	1087566	1161184	647132.9	3003183
9.886433	8	3	4	516943.8	695478.8	526222.7	1101988	794683.6	756876.7	1191275	1191708	337534.7
9.445217	13	5	4	1298403	6782369	1710936	5776628	1653628	8455537	8551516	6734830	5172525
9.914217	8	3	3	2454831	5445557	579192.5	5937783	991497.8	5821640	5113046	6283100	4995138
12.92323	5	4	1	78647.29	203262.5	89405.68	317058.9	244225.2	234535.6	321227.1	121549.4	233230.2
9.464933	5	3	1	3637775	9612160	9756436	14334974	4970016	22057490	3392962	2836883	1486364
9.94455	4	3	1	1123057	1269740	946621.4	773459.2	683971.5	1850260	2631370	676989.9	338587.5
10.02372	9	5	4	3744608	872605.4	350699.1	4090889	7169541	622726.8	1378873	569040.5	696257.2
9.445217	12	4	5	3.11E+08	1.28E+09	2.73E+09	51829225	16039409	46444985	61374806	66284451	6.16E+09
9.859983	10	5	5	1.01E+08	2.29E+08	24999586	3.43E+08	2.54E+08	2.42E+08	2.19E+08	2.58E+08	2.33E+08
11.5505	10	5	5	145414.6	576637.4	195800.9	699679.1	215494.5	592303.7	709828.8	264432.5	547510.4
21.72433	10	5	5	3044071	1435702	1459069	6699943	11689672	1388703	684401.4	3964159	398790.5
22.56617	10	5	5	1440594	7001083	2949851	5572684	1513883	7289953	7651786	3259334	5540980
30.60617	9	5	4	3160622	31702338	38894890	14223926	3686057	10362738	7743847	99298166	10452193
9.845483	7	4	3	640849.6	1529089	202914	1938350	900623.6	1658842	1426255	1774128	1251228
10.95055	5	3	2	645500.2	1342004	872699.5	2192044	1766174	533708.1	919877.8	1972034	2547107
20.76667	10	5	5	577244.2	2819489	1905052	1741922	1696861	1818697	1984595	641165.9	4734246
44.98333	6	2	4	354699.7	2642623	804034.5	3463598	1719744	1231776	2866186	3260518	2954896
10.98605	4	1	3	1185298	5100369	2363540	3423360	3171172	5534283	7961217	5202882	5425502
15.31398	10	5	5	887877.6	7614356	1481724	6470326	2241317	8471211	9554257	7649609	5828738
9.842	5	3	2	458721.2	1111340	548803.1	798349.5	498555.4	1607943	280743.2	1587060	1166733
9.859983	10	5	5	1.12E+08	2.44E+08	26840825	3.63E+08	2.65E+08	2.57E+08	2.32E+08	2.77E+08	2.5E+08
9.952017	4	1	3	425234	586419.5	336089.4	801152.1	381668.3	496319.2	45618.59	900078.2	709422.8
24.7825	8	5	3	63469.67	220980.7	48908.77	266444.9	93715.49	295304.8	167882.3	216345.1	189602.8



43.7035	4	1	3	414428.9	5275517	380986.7	6990999	3819681	5416326	4601143	5537918	5397376
9.41815	9	5	4	11648375	3596041	1013545	30050217	59076064	3159146	4710305	3671461	4312258
38.78667	6	2	3	385765	7841441	2391123	9612799	3418965	3588414	9276377	8884521	8901065
10.94208	4	3	1	228869.5	602294.8	256296.1	749855.6	238157.4	331188.1	1024465	530849.1	525402.7
9.544833	4	1	3	4355286	1047764	716666.2	5203082	9267158	1108412	683938.8	760040	2254539
39.7335	5	1	3	323171.8	5611589	183734.5	4993081	1375228	5518560	5456011	5633652	5529892
9.949233	7	2	4	1233469	1383669	823273.3	2146128	1571687	1926377	0	2084297	1479511
9.229717	7	4	3	3166244	2067093	2234883	5294847	7012822	727144.7	1299292	916851.1	6037404
9.43325	6	2	4	913907.8	4258134	2979400	2668492	2288701	6229001	6064476	6963852	1128526
10.38125	10	5	5	480200.1	2800315	825933.5	2316637	796897.5	2929480	3967210	3037110	1789510
9.37735	7	3	3	541475.3	3572383	2316279	2472984	1048207	2168736	7139760	2714429	1310835
9.664033	8	5	3	550767	671119.5	156304	1100624	953196.1	810781.3	831732.1	450901.7	612097.1
9.4468	6	4	2	430688.4	1487381	781063.8	1022542	779201.1	2748947	856016.3	918956.6	1206434
9.872917	9	5	4	1956844	11867348	1017936	10799542	2250229	11530246	10395311	11843136	12481479
9.43325	9	4	5	11012085	46741450	54847915	21738801	14482400	14864819	20169487	1.43E+08	40665101
9.856867	10	5	5	1685791	7927516	1822411	6975678	1313239	7558093	7336919	5406485	10106786
9.392767	7	4	3	827695.7	1333248	328014.7	982091.4	742292.8	1527298	1622182	947556.9	1005545
10.9645	10	5	5	797189.2	1745961	461603.1	2196489	938939.4	2399213	2040814	1393315	1584224
9.992233	5	2	3	468216.3	541964.7	349992.5	888057	722912.2	661566.8	972579.6	703397.8	112106.8
11.28397	4	3	1	203631.3	882953.6	452795.8	1091733	150267.9	838876.9	1011952	1252438	125773.4
9.856867	10	5	5	1292152	3769385	714704	4781945	2199358	4246794	4680755	2836988	3615981
9.872883	10	5	5	4138426	26412833	4703907	22034261	9050086	25961854	22039648	22068431	28963189
9.992233	10	4	4	8047628	8397859	16227311	1141503	635652.9	1132051	1386519	1561568	492074.8
22.45067	5	2	3	100466.4	516639.4	179094.1	407770.5	186668.7	276503.9	763881.1	591244.8	458450.1
9.992233	10	5	5	472771.8	1986713	267784.6	1728690	537184.3	2270426	2094255	1873448	1580036
9.311417	7	3	4	1315252	1747663	779068.1	2115915	345175.7	1645553	1414286	995711.4	1621734
9.23175	5	3	2	1160065	1685614	353465.8	2290259	1328031	1700911	1709749	1267342	1519912
10.9645	9	5	4	340154.8	1923023	544635.1	1567068	646288.9	2117957	1931782	1245422	1622857
10.03947	7	3	4	581473.2	636252.5	165241.9	971472.4	741210	469899.7	661156	569897.4	574426.4
9.929783	9	4	5	4129314	7879363	483003.8	6665110	2697891	8338313	7971605	7063597	7929326
9.932033	6	2	4	641423.6	1296150	320744.5	1144403	144426.2	1498732	1338980	930338.4	1019029
10.95055	10	5	5	788679.3	4539460	1356153	3782045	1184006	5920541	5421145	3087307	3077139
9.43325	6	5	1	466953	2016522	802685	1369149	1293851	1754009	1326134	2951148	2786570
10.97857	10	5	5	657713.1	1513225	513440.9	2332072	1794784	1180269	2323560	1652512	1401669
9.992233	10	5	5	603697.3	2334790	133547.5	2080808	560833.4	2425134	2113164	2414410	2417128

9.95825	9	5	3	2385250	1993790	720195	4094523	4680944	2277863	710904.1	2426053	2298144
10.008	8	5	3	1283946	775700.8	276762.2	1692203	2045440	589453.2	592487.8	684959.7	756796.2
9.061	7	4	3	515877.8	1941371	1033422	2837491	1828548	2364330	671430.3	2135421	1212047
9.445217	14	5	5	2908122	28891667	8500898	24568954	5639708	38965810	31813229	33432600	21648190
9.915583	10	5	5	2942373	5259578	2133167	7501294	4743181	4155970	4207522	7758199	7276126
9.933967	6	4	2	1748957	2750730	385458	1992099	1677745	2637512	2375464	2743450	2600037
9.9014	10	5	5	4176968	21326098	3708317	17753000	7456738	20581042	16086724	20475964	23534677
9.872883	10	5	5	3162691	17177162	6028131	14058743	4253719	15191749	12596228	12947853	27279589
21.64033	5	1	4	5018635	15433156	13831490	26636646	22452335	10563189	40102901	9747077	9082638
9.858833	10	5	5	1558142	9986486	753290.9	10773836	1665284	9503891	8922730	10753994	10456363
9.94455	8	4	4	6019685	5185330	1117918	14356379	20562588	5783451	4058637	6839088	4578907
19.95467	4	1	3	107505.5	355143.8	144094.6	251987.7	197472.7	184282.7	534625.9	302048.1	282942.2
18.40483	4	3	1	18950806	99318452	1.22E+08	45001585	10895088	39258669	3.17E+08	50065715	54605734
11.16645	6	2	4	72666.95	132117.8	98350.32	242671.9	236222.9	298660	141091.1	56020.26	73997.18
40.424	5	2	3	308548.1	4840350	1513172	4122290	707769.9	4610096	7335497	4332729	4695982
10.95055	10	5	5	301713.1	1693497	572951.7	1389790	437710.3	2225870	2013850	1114324	1030323
10.00098	10	5	4	2.54E+08	5829614	2821393	2.6E+08	5.71E+08	5273727	4722889	5029434	3411747
9.856867	9	4	5	3555998	8644306	11933770	3307432	1536951	3395066	3086989	3044565	3708187
9.992233	10	5	5	1308771	4464639	745732.9	3828418	1295219	4672835	5523997	4171152	3478433
10.02372	9	5	4	328364.9	991253.4	335430.2	773515.6	395248.1	842005.1	1316568	855311.4	582177.1
10.96715	7	2	4	301739.5	907044	194032.2	760103.1	288266.8	601636.7	1031854	1022356	824980.8
9.45945	12	5	4	36697308	23450338	8658588	99154894	1.7E+08	25216358	31503510	29743198	20985065
10.95602	9	5	4	97756328	2295218	885624.2	1.15E+08	2.53E+08	1084499	1711961	3006870	3182162
18.39967	6	3	3	330352.1	4520352	1556652	3745024	957435.1	4836809	4917437	3443937	2675667
9.4468	7	4	3	1411284	10786498	2185512	12147630	2399852	13539391	12421009	10124719	8064120
9.4925	10	5	5	1625490	4109615	670472.9	3303642	1736659	4693214	4903517	3751819	3300304
9.949233	8	5	3	11664494	5242591	1593937	14608922	21020605	6258277	6154568	6571874	4397823
10.41105	11	5	3	561089.4	4903804	976020.8	4299322	1061188	5647367	3887759	5419361	3799950
9.568567	9	5	4	1733474	6189604	914379.8	5220729	2057350	7252356	7007505	5996934	5550785
9.960467	9	5	4	855795.7	2195503	453579.6	1745358	946505.6	1825750	2541945	2054951	1761188
10.21522	10	5	5	3934061	9531949	3287874	12685956	6593191	13794903	9274762	9998618	10014408
9.9847	9	4	5	1.48E+08	2.07E+08	4.51E+08	6301248	2625287	1.01E+09	7840351	6243912	5863044
10.9645	10	5	5	248466.4	985387.7	216077.4	846866.7	249885.8	1174028	1244433	848000.9	737905.5
42.913	6	1	4	443573.8	5561902	739747.4	6548281	2146550	5691791	5904763	5915243	6040040
9.816167	6	4	2	263957.7	534464.4	278732	397427.6	162500.1	811422.2	410607.7	301157.3	290779.2

9.952017	10	5	5	4367567	16476359	2401094	13820663	5678642	19256135	17467170	14102348	13810712
20.85467	3	0	3	3830499	4569258	208912	11900119	16501638	4668933	4400231	4303884	4806001
9.8887	7	2	5	2507123	7215758	6315162	3981348	4357060	1971549	3979224	2356173	16001398
9.976317	10	5	5	11815617	12936515	4421003	17061405	8593414	20212452	14023514	9443076	10509707
9.9014	10	5	5	10953292	23331297	4014361	36940457	30504426	23449596	21182623	28362639	25704588
41.8915	5	3	1	437243.2	9795834	1907473	8766711	1543031	9430951	12629641	10172635	9421579
9.856867	10	5	5	2868218	16370376	2597949	13717508	5614232	14632155	16010492	13308520	18189158
19.44583	9	4	5	1349718	20613268	5654399	14241400	13663803	15823456	23447897	23990228	26402261
9.8445	10	5	5	20892560	88984803	23786180	72340209	31672994	95831673	1.02E+08	58334096	71552544
9.4775	8	5	3	693977.5	1264089	448379.9	925919.1	664744	1378970	1754311	1569961	953799.2
9.523633	8	3	5	2385406	12195475	3807171	7638662	9836719	15488350	5837619	13833297	11681864
10.95055	10	5	5	758017	5002468	1294773	4329351	940629.5	6250919	5850842	3703699	3502955
9.445217	6	3	3	550712.4	2233313	706537.7	1749599	910578.3	2314938	3175057	1619128	1462021
9.976317	14	5	5	2497067	6567957	1559614	7640333	2023920	4726495	7613873	8618076	6297533
9.872933	4	3	0	4360263	6130539	6913342	9432521	3465322	1181323	13189277	1124774	960318.2
27.9075	9	5	4	357902.2	1366816	644220.3	1920053	1132791	2347699	1264120	604300.9	1531784
9.960467	6	4	2	420050.8	791136	379679.8	599008.9	251682.1	666231.8	657750.4	516489.1	1461208
9.146383	9	5	4	753095.9	350007	120233.2	1884823	3457836	493083.7	464470.1	251085.5	301405.9
10.93618	6	3	3	161267.2	544593.5	314902.5	397177.3	136057.2	994434.8	727032	281079.1	251630.3
10.98605	4	1	3	681504.6	1817875	713108.6	1375078	782865.6	2645548	2401344	1581715	868062.9
13.72648	5	2	3	284615.9	2659290	401419.3	3482445	1831956	2954548	2647657	3157693	2229248
9.554967	8	5	3	208967	427865.5	125324.6	291155.3	292360.8	445197.6	639492.4	360884.1	355056.5
9.93625	10	5	5	2545473	9629764	1538891	8253937	2845832	11447526	10270234	8021249	8019590
11.51172	3	0	3	3965433	466800	65246.25	9269501	19848846	429172.3	399968.5	568568.4	487964.1
9.842	10	5	5	1352288	5047230	1953231	7048156	4243293	4355584	5749240	2931106	4151501
9.920517	7	4	3	1414595	3594329	1384617	2883229	970327.8	3868621	2753643	5908624	2759896
9.536783	9	5	4	274166.1	681862.4	179632.2	552764.6	249273.5	504851.2	900653.3	528044.2	638051.5
10.008	7	4	3	236012.8	512755.5	120782.9	398786.4	238471.1	503563.9	591354.3	499962.8	325820.5
9.445217	9	5	4	606954.1	2153552	1257811	1497224	929156.5	3928966	865660.1	2748814	1075016
10.2013	9	4	5	346886.7	1555230	645506.7	1909324	547864.4	1727188	1096029	2409728	754290.7
9.94455	7	3	4	1481256	3660032	3197104	2148824	1506774	1788567	1325917	8867148	1689597
9.554967	7	5	2	337825.8	724908.9	148210.2	571222.1	326800.4	802880.8	943804.1	611847.3	587206.8
9.928667	6	4	2	515328.3	1185684	210629.6	840068	763967.8	1524479	1254229	1091849	1024993
10.9645	10	5	5	1522750	6581488	1726388	5561631	1728615	7247693	6042326	4567521	5889278
10.51392	5	2	3	288994.5	1904345	587779.5	1496509	775383.6	1237315	2195915	2035267	1392204

9.967367	10	5	5	1652247	2054447	473728	2782134	1604132	2227083	2587161	1294744	2133868
9.622983	10	5	5	1381445	3776366	1362697	3017913	1200409	4631220	4025010	2635668	5427952
26.82483	7	4	3	206665.2	1435785	1020244	945062.4	540608	593452.5	1734799	180977.4	2040333
9.994767	10	5	5	1130224	1779974	1064186	2941285	2488796	2467213	3258881	1481524	709589.6
10.02372	10	5	5	1120122	857034.5	119957.5	1823298	2181194	729536.9	774649.1	812537.3	974696.9
10.95602	6	4	2	213794.4	637067	352430.6	471936.3	156466.7	552570.1	485100	320833.1	586418.7
9.920517	10	5	5	1861682	11949767	872869.5	10303501	3662845	12321275	12922850	10845022	11232571
9.554967	8	3	5	487167.4	1410586	603148	1053552	607558.6	1906812	2187532	1168631	981634.4
10.95602	9	5	4	238209.5	1026587	166344.2	860582.2	351434.9	1222455	1187062	881323.2	881131.8
10.1999	10	5	5	1162120	6587833	1099685	5934315	1116689	6255401	8304444	5896883	5512427
8.931817	10	5	5	983430.3	3336876	797693.1	2813050	967342	3036093	4514756	3510683	3303857
13.12793	6	4	1	304156.5	1681166	917161.4	2342390	1282174	1958975	1878857	2739342	224160
10.9645	10	5	5	9532182	61042815	8083932	55842977	9475492	65946143	68315012	51413657	53117201
10.95055	10	5	5	797644.3	4654925	1324304	3929640	1124500	5930465	5481174	3220665	3219903
9.857683	10	5	5	2736715	12762873	4360548	10679541	2232401	12484733	8240674	10773593	19934134
9.43325	12	5	4	1068617	8854476	2617077	7577130	1505958	11309097	9856106	10934036	6686884
10.97857	10	5	5	306869.2	1106741	233837.2	937895.5	327705.1	1109829	1399856	995827	786802.3
9.37735	8	3	4	622407.4	4377095	2737760	3001025	1789327	7955710	2724219	5574217	799033.3
9.102033	4	3	1	1463998	565864.6	318903.6	2621401	4642231	984829.9	810542.6	262711.1	300413
9.445217	7	3	3	1551973	7746098	1574515	5872338	4059664	9054027	7194901	6685880	6063203
41.05717	4	0	3	338306.9	3229102	197760.2	3607970	844155.3	3097390	3388597	3409503	3297398
40.28033	8	4	3	306639.2	7771575	4514245	5625211	2247699	15701056	5848592	4604956	7014644
9.08685	10	5	5	26784152	98756250	19344707	81834395	34953934	95890544	1.31E+08	98583238	85673504
43.47383	8	4	2	339409.7	4907260	1486596	4243924	278505.7	7263834	3321017	5111122	4776654
9.43325	6	3	3	719964.1	1912442	1021739	1404145	642641.8	1613404	838531.7	3261415	2670446
9.840617	7	3	4	1831174	894861.9	230051.8	2250079	3061586	681428.8	668779.4	977365.3	924215.8
9.331383	4	3	1	3019415	10314643	12916962	17769707	12389581	1406233	20490255	796169.2	1026748
27.89267	7	4	3	95238.95	487920.8	212096.1	382065.9	135260.2	239560.8	550149.3	365778.9	480891.6
9.93625	10	5	5	2266404	4702351	547251.9	4261264	892428.9	5639113	4250984	4454464	4699848
10.008	7	3	4	814457.1	1034411	377224.8	1432924	852462.9	1227387	1443135	1216735	532150
9.93625	4	1	3	838526.8	998582.4	536267.4	1330575	589726.7	1009094	1861837	1023335	530210.3
10.9645	10	5	5	209481.4	990496.4	244897.7	864070.5	176619.3	1186344	1311043	833699	741587.2
9.3919	12	5	5	1159607	9752205	2257790	8152377	3084793	8530892	11598666	12737245	8123539
10.91673	3	0	3	111768	151909.2	84539.78	217826.2	131991.2	272750.7	41011.7	115893.2	159948
10.9645	10	5	5	11606659	77668127	8667200	71555790	11761753	83349171	85838947	67760975	68785170

9.888767	9	4	5	1314507	6498250	825479	5397169	2412869	6303921	5323680	6284325	7219471
34.65033	5	2	3	4663040	9442418	2314143	28309836	42691598	11029850	8732353	6638157	12488718
28.83467	10	5	5	8220166	40254016	12229043	52738358	26586445	52806727	35982485	22867459	51077076
42.12167	7	2	3	348794.8	4554466	672337.5	5055115	986654.5	4883043	3378868	4759797	5062545
9.0511	10	5	5	2288742	8528877	3746703	6612700	2625504	11473694	11401529	10224727	6787927
9.992233	6	3	3	395203.3	892543.8	494282.3	657516.1	248778.7	767809.3	254357.2	889811.5	1636825
9.544833	11	4	5	649856.1	1265390	298604.8	1734874	1039818	1679028	1396958	1071697	1275312
34.00367	6	4	2	313395.3	2953230	1840255	2026808	1220268	5855837	2784627	988285.2	3252756
22.91483	6	2	4	37696.93	155814.9	96660.88	213761.4	100348.9	283183.4	69744.64	200016.2	49293.53
9.392767	9	5	4	1782090	3021060	1191138	2185052	1607224	3243768	3794813	1654984	1962390
11.30077	7	3	4	231911.1	638100.6	266900.6	486958.7	246893.1	952252.4	564896.6	375260	412860
9.174967	8	4	4	8690667	3558209	3349048	20782110	38990141	3146387	9237851	3221484	805131.8
9.9014	10	4	5	61704548	77967055	1.6E+08	7450233	3741189	9475879	3.64E+08	6400515	3689592
22.75567	8	3	5	4993052	21039826	2361994	18960639	4315858	20815382	20794138	18316019	24837430
10.9645	5	3	2	452098.7	1149147	563462.2	1506769	649377.6	702954.2	803697.1	854526.6	2062920
9.856867	5	3	2	2125960	2595320	705955	2982267	605634.7	1677571	3082641	2853327	3326631
22.9145	5	2	3	57328.04	107266.6	42285.6	156758.1	107421.4	156837.1	104883.2	126014.4	107194.3
10.008	9	5	4	5552886	1781134	305008.2	4617212	6430111	2097793	1919017	1857029	1285271
9.188783	9	5	4	5621127	5521488	3040780	11324452	12972364	2670803	9935208	7121865	4891950
9.992233	6	3	3	590850.3	780945.6	383083.9	1146539	771686.5	1151902	1111493	844331.6	250857.3
9.45945	10	4	5	636765.2	4552785	1509314	3657600	1538624	5965728	5767103	5097148	3363959
10.95602	10	5	5	336759.7	1425098	553453.3	1110215	517914.4	2042906	1962366	875939.1	935383.6
9.4925	11	5	4	1681883	3265306	1346596	5020732	3848844	2890577	5598940	2300679	2420164
9.438833	5	4	1	540539.6	2901634	4006441	1125632	607696.8	838190.6	856227.5	1230552	10050032
20.259	10	5	5	155610.9	1254174	203767.3	1141908	177314.7	1434414	1421674	1006222	1064489
9.374083	9	5	4	1993444	4769005	1380277	3654403	2265550	5198133	3507737	3606045	4647849
9.994767	8	5	3	651149.1	768418.4	452442.2	1127668	726657	866139.8	1471776	743682.9	300914
10.67637	8	5	3	92983.68	394358.2	47890.59	447160.3	114027.6	333389	432502.8	451450	386033.1
9.460217	7	3	3	2317445	10236684	2935004	8006413	4446944	8114613	14510555	8796327	12044309
21.051	9	5	4	90747.6	366166.1	135665.6	300227.6	78328.68	501874.8	425257.7	399836.3	141298.9
39.6615	7	3	2	323166.2	4667400	2004146	3771389	482457.3	4123410	3954980	8158143	3011011
10.49953	10	5	5	550609.2	2213212	716473.4	1790285	725424.6	1545183	3392406	2291796	1783250
24.16133	9	5	4	676100.1	4594170	1887009	3501417	1839214	3161237	6110957	2378230	4497031
10.9645	10	5	5	208391.5	843110.4	193405.5	716640.6	234973.5	976237.2	1117557	702852.6	685179.6
9.842	9	5	4	7371804	2630463	352498.4	10524874	17942718	2731931	2354088	2492428	2373216

9.842	9	5	4	6272510	20910332	9018080	25850337	7762505	23397732	17737638	7049799	30543859
29.05717	10	5	5	17225122	1.47E+08	34507097	1.27E+08	34155707	1.66E+08	1.74E+08	1.15E+08	1.05E+08
10.92253	9	5	4	712513.6	896365.9	271169.6	1296526	886484	1149129	690747.9	651784.9	762002.7
9.56645	19	5	5	8406142	83041632	23599328	70418139	19137968	1.08E+08	90681909	1.01E+08	57151418
10.9645	10	5	5	769111.9	3687987	675542.3	3220781	896596.6	4149067	4390101	2834383	3118881
9.856867	10	5	5	8586623	42039151	3846883	38070358	8511306	47048313	44857058	39015064	37982015
42.51	4	3	1	285193.8	8578637	591183.7	7979463	1281665	9145658	7773920	8831976	8143847
9.445217	14	5	5	10290014	95167530	29877765	80112523	20222472	1.3E+08	1.06E+08	1.12E+08	64440114
22.29133	5	4	1	98608.47	388765.4	171611.9	304968.7	102304.4	173453.6	647956.1	408809.9	326648.4
10.95055	10	5	5	2050619	12262158	3601559	10290644	3107967	15745355	14824826	8447808	8305109
9.999217	8	4	4	764759.8	1167375	395279.1	1523706	747029.9	1287088	1564669	1326093	513826.7
9.960467	15	5	5	683305	1578223	797795.6	2059353	845174.7	2575256	762495.9	2266335	1011253
9.507167	9	5	4	3103546	16911726	5088224	12010745	10407979	16554115	20889762	8358885	20448440
10.008	6	4	2	278172.3	589706	354598.5	362991.6	416541.8	559624.3	259249.8	345923.2	617255.3
10.97242	10	5	5	359878.4	1754252	376579.7	1513207	443239.5	1804145	2033902	1174298	1635679
24.797	6	3	3	60101.2	264743.1	87973.17	223144.8	44213.45	211122.9	342182.1	166688.1	371556.6
37.19283	9	3	3	355608.3	5981312	963428.2	5523433	499681.9	7330301	5490157	4941525	6598623
9.992233	12	5	4	627574.3	1011638	359715.5	1275792	521730.6	1442349	1172048	769776	1142663
9.8445	9	5	4	5277782	2912052	657085.1	8242392	12134664	3345353	3400776	3029784	1781422
9.896717	10	5	5	10848491	23266466	3857267	36640001	30341192	23093865	21004401	28085445	25836109
10.08658	14	5	4	992410.1	4456873	1031533	3422599	2211924	4590536	3702415	3154024	5665222
9.5876	5	3	2	388695	589178.4	234325	1161353	1292472	473151.7	968183.4	585888.5	579326.1
9.616167	4	1	3	299424.1	1017300	294444.8	793190.9	448830.2	1205982	543926.7	1138421	927241.6
9.601917	14	5	4	1975775	3058696	1580227	4891720	3994454	3802629	4849268	2856945	575635.7
9.88815	6	4	2	5924105	10546514	17246506	20847893	17962580	41350646	2233145	4374700	2894902
10.79303	9	5	4	180297.6	555246.7	162609.9	464499.2	147096.6	348321	561173.1	801976.9	510098.9
9.536783	6	4	1	577513	712970.7	374596.3	1417923	1582684	845682.7	903024.2	540405.9	1120829
15.78935	5	4	1	266754.5	5410075	4307598	3453157	1516051	3754648	3542460	4416715	12997790
9.536783	4	1	3	275349.4	711707.4	393895.8	513546.6	266051.8	1010179	558091.5	1074359	809830.4
14.61932	8	4	4	235702.8	2591563	757379.4	2193455	589115.6	3801158	2682571	2488658	1774469
10.84643	10	5	5	1366519	4362407	828764.7	3636692	1513951	4928007	5326016	3347047	3695616
10.02372	7	4	3	622435.4	850130.3	718534.4	1306737	836990.8	505235.3	608792.8	2124952	619242.9
9.842	9	5	4	1062136	1489955	607224.8	1174975	454501	1823754	2368235	1030098	892821
10.02372	6	4	2	398946.6	940662.1	409125.5	641880	589859.5	367980.7	985981.6	1184186	736220.9
9.845483	6	3	3	770903.9	3219237	847797.8	2560832	1329594	3648190	2120994	4186287	2567668

9.655117	6	3	3	1165596	537127.6	138866.4	1502024	2199009	548257.3	558287.9	671308.1	304387.8
9.08685	8	4	4	13922591	7708708	5467443	36647087	65910758	8406938	16115842	8274502	2061184
9.976317	7	4	3	585558.1	944541.7	301973.2	625340.1	688932	1106842	1280194	875270.2	476168.3
9.928667	9	5	4	3017509	8121242	2252038	6513411	3146013	9731479	7462225	5341625	7052798
9.840617	9	5	4	1760836	7310668	1065564	6614516	1300866	7181355	5765287	7348876	7497926
26.05383	10	5	5	541652.6	3247244	475129.1	2930352	599544.1	2506883	3487452	3468777	3063084
9.67	3	0	3	518110.8	1347372	776216.5	918504.8	688611.6	2101268	243027.2	1160131	1145847
9.842	9	5	4	816456.1	1889059	508386	2476941	1283243	2566489	2237883	1462477	1375377
10.9645	10	5	5	1651195	7580190	1769363	6584800	1636138	9385590	9137417	5818709	5672027
31.011	6	2	4	1184789	5281084	5629991	2771150	1438392	2583364	2350960	15316969	2582360
9.992233	9	5	4	1487414	2816157	948166	3532849	1435655	3430814	4008259	2494143	1530076
10.94443	5	3	2	349389	730614.7	303844.8	901199.1	279777.9	926081.7	1097849	546106.5	328609.7
9.932033	8	4	4	2628593	4604274	1026315	3789685	1659022	5476569	5845240	3962096	4325879
9.4925	6	4	2	517830.6	2875922	4154164	1052883	413588.2	951477.6	617583.8	1075769	10288160
9.433	5	1	3	276378.3	471272.5	300875.1	776017.3	654729.2	607684.2	766109.6	361539.3	621029.3
9.93625	10	5	5	24944596	87058476	13883881	79928283	10132489	1.08E+08	93815584	80672592	74701807
9.999517	13	4	4	1813149	1660007	879768.9	3211911	3485307	1868778	655280.9	2592969	2354100
9.40615	8	4	3	597469.9	4993703	957111.1	3900738	2385089	5637262	4963100	6202840	3830550
9.573333	6	3	3	434011.1	1204195	531039.4	848744.4	675099.8	1162075	899555.7	1199843	682695.2
9.071517	9	5	4	1700682	4190178	1904236	3093576	1854882	4705285	5798520	5775951	3398235
31.42367	4	3	1	323725.3	1219208	1460672	569753.1	357318.5	173815.1	616012.6	108839	3608320
10.9645	10	5	5	5624156	27591846	5718107	23943051	6734790	33304514	32915308	22148611	21292250
12.00158	3	0	3	54689	179783.6	47777.68	145167.7	68344.31	148640.1	193645.3	145241.7	153576.4
9.856867	10	5	5	3798176	6519621	1055033	10283978	8574909	8095803	6584682	5983574	6696994
10.9645	10	5	5	1739188	8240684	1673577	7169458	1982809	9791770	9818301	6635667	6344864
38.22283	5	3	1	226032	3754657	1806046	2958666	315612.9	3075220	3575763	2895353	2339707
9.684583	7	3	4	252150	741342.4	216365.9	601593.3	260289.4	959214	983409.4	640047.7	504492.4
9.82645	6	4	2	907498.2	2395444	1415854	1715243	798151.5	1009361	4449596	2685074	2733698
9.9847	5	2	3	745467.1	403499	259902.8	834948.9	968011.7	0	496562.6	694100.6	497319.3
24.47583	5	3	2	1319434	4297426	5168362	1907912	2278894	13332052	3817400	2073090	1064421
9.856867	10	5	5	750731.8	3589541	396330.5	3208566	813127	3879402	3927327	3636122	2935621
9.992233	8	4	4	373134.6	1174140	255925	968376.8	421810.2	1167683	1511631	1044063	838144.2
11.06905	9	5	4	1253801	1170136	714108.5	2495796	2987500	2175089	1518772	695636.5	1115804
9.999217	10	5	5	828883.8	2859818	806781.4	2300931	1082947	3889861	3467048	2646899	1908747
9.975217	10	3	5	1698385	3295125	926414.8	2819587	678905.2	3042810	1859600	4174845	3376583

10.80745	7	4	3	195469.9	384884	177121.4	300776.3	94048.06	271028.5	610980.9	156246.7	477404.8
14.89615	3	0	3	1333997	246866.3	11627.56	3130133	6602710	242632.1	241926	236591.9	246497
9.872933	6	4	2	1673358	3273952	1160006	5056764	3988456	4601529	2599316	3154962	1780570
9.40255	7	3	3	602256.4	3818163	1791061	2821817	1626059	1009204	3737464	3952253	4447527
9.268717	6	2	4	504945.6	2862341	1009337	1943562	1943589	2145292	1860507	2893865	4458561
9.374083	9	5	4	728672.7	1691069	263943.4	1289545	898166.4	2072710	1346298	1656857	1609200
9.964417	10	5	5	902329.7	1781884	766508.8	2364580	1174864	1309389	2944154	2192924	1207300
9.960817	10	5	5	1746732	6649890	1173428	5960385	1196086	7959369	7778490	6425620	5446838
9.842	10	5	5	13092214	19598508	3039707	31337165	26809671	20726997	18734434	23380789	20069717
22.33733	6	4	2	840498.6	6526602	1012907	8298780	3990176	7991138	6648658	5141925	6368888
10.91407	7	4	3	178581.1	688751.2	350682.4	511528	245052.1	463833.3	852237.1	401568	494713.5
9.848417	10	5	5	822413.1	4315620	687204.5	3741901	1190385	4232942	4696680	4037216	3394793
9.853633	6	3	3	3680984	4537168	2753596	8280352	8321253	7940377	1518047	2693130	3659964
14.76612	4	3	1	92200.87	761388.5	123683	624896.6	297750.5	928900.8	784214.4	592064.4	707770.7
10.9645	10	5	5	786599.8	3745778	666515.6	3289750	880379.3	4332354	4357524	2969663	3106198
9.8445	13	5	5	1255262	2936647	799324.9	3742826	1738071	3782986	3779615	2697122	2110536
10.9645	9	4	5	840592.8	1190787	652136.6	1837968	1391972	1592301	1810440	1303214	1124383
9.655117	6	4	2	350271.7	1621916	583769.2	1356248	226002.3	2106714	1728283	1664825	628885.3
9.856867	10	5	5	3153779	11805785	2366856	9632236	4612872	14043471	13886306	9352303	9243383
9.887133	3	0	3	1020641	3101094	710319.7	2571285	1062564	2530090	3362439	3864081	3559621
9.45945	7	3	4	62551908	2.1E+08	2.82E+08	74996611	1.59E+08	6753976	5769011	4.73E+08	5.62E+08
10.95835	10	5	5	3378098	14778064	3475241	12330511	4794563	17180682	16869955	9813177	12424829
10.95602	8	4	4	354540.5	668441.6	379200.7	1152010	1070688	570680.9	1284588	744841.4	411409.2
22.95817	4	3	1	88671.8	234830.8	152036	324587.5	156911.6	121630.3	110806.7	407327.2	139888.8
25.95717	10	5	5	391075.5	4171532	1338964	3474664	1031742	3236571	6444986	4260906	3682500
9.94455	5	3	2	1808024	3392181	1305255	2662818	1203173	4545367	4724819	3594899	2211890
10.9645	10	5	5	749546.4	4646245	733155.7	4065386	1190249	4332176	5602266	4055737	3993055
17.14633	4	1	3	65000.64	267910.9	82935.41	218874.1	85902.34	387594.4	154179.2	273461.1	253296.2
9.8374	9	5	4	500894.6	1861391	438751.2	1512490	716020.6	2004396	1863153	1138836	1976283
9.979667	9	5	4	932380.3	3075502	660964.8	2495932	1219998	3480861	2567983	2842862	2463339
10.95835	9	4	5	412804.8	1262956	436207.7	992992.1	491364.1	1308064	1865764	771620.3	1451151
43.12867	12	4	4	380065.8	5632497	1398076	4607573	2045881	7059828	6503090	5242362	5913760
11.01157	5	2	3	1038785	4680101	2737290	2996790	3050331	6470046	7076205	1011598	2493381
10.95835	10	5	5	1085660	6282097	1375332	5345708	1808829	7311483	6502573	4833411	4908509
9.856867	10	5	5	1108043	4463715	418186.9	4043782	906825	4574129	4115472	4554193	5060369



10.008	10	5	5	658371.5	2487990	473963.9	2097775	809347.7	2838413	3005458	2533037	1820286
9.864767	10	5	5	1938793	8335918	1893406	6725364	3368914	5732768	7158121	8684327	9766005
9.874317	10	5	5	9280853	15350030	8499755	25933941	23436383	18128378	5110607	23518993	22393242
8.97505	10	5	5	913717.9	2202177	497025.9	1809405	805346.6	1868671	2765377	2090630	1623345
9.992233	9	5	4	324894.8	1023097	105523.2	814639.7	472829.6	1050203	992333	929057.9	951024.1
10.95835	10	5	5	660641.6	3617683	1000119	3018056	1065754	4376515	4420518	2413546	2643078
9.392767	10	5	5	4068475	9478726	2506787	7500294	4056729	10880545	11305500	6709293	6793687
9.952017	6	3	3	959478.6	2225884	1030413	1610088	1091852	2758638	584509.3	2368017	2083901
10.95835	7	3	4	1109996	3064054	1115141	2338433	1368817	1704462	4668622	3232344	2389811
9.845483	8	5	3	1768401	7358877	1115663	6284124	2308145	5933942	7218617	8805929	8061286
9.568567	9	5	4	4069319	2950917	1286990	5928243	6783800	4369101	3539849	3247264	2672827
9.964417	9	5	4	14663473	15390233	3789629	22975547	17224806	19992544	13977623	18861361	11924983
9.22495	7	4	2	5510121	3324509	1306217	17311217	32169092	3054298	1986417	2507086	5359276
9.522017	8	4	4	563133.3	627954.5	278365.7	1243256	1400831	672218.3	940570.2	211911	524458.4
10.94443	4	3	1	258223.7	610576.9	329107.5	785444.1	270032.1	813370.9	129479.7	904951.5	410341.2
9.445217	11	5	4	1217871	10744015	2350874	9281293	2680557	13258071	12722867	11019178	7897843
9.536783	7	4	3	438332.1	1280704	318577.7	985368.2	630161	1301154	1620038	921841	995973.9
28.8515	7	3	4	229179.8	1475479	1241580	857637.3	834401.7	380610.2	1578977	51996.9	2768291
9.986767	9	5	4	11857048	1995778	623870.7	9475433	17217867	2628718	2536114	2107666	1239316
23.00167	4	3	1	80525.13	252554.1	206047.6	361057.5	165386.8	131463.3	505138.8	92572.3	447574.7
9.419733	5	3	1	11172536	15742665	19863225	32292343	34517189	32279799	639358.2	2120163	42045290
10.49953	10	5	5	12899567	66116124	8576716	60442000	10827861	68435880	76285886	59477857	55308565
9.960467	6	4	2	480670	1127849	253477.1	793082.9	746369.3	1329133	1348303	1166398	723824.4
9.856867	5	2	3	1041977	2369364	1080961	3600334	2708829	3939969	1795775	1870398	1252840
10.51423	7	4	3	158029	1000471	390905.5	792322.3	323548.4	1438980	1285547	1076617	522862.2
8.816267	4	1	3	53537900	2.45E+08	1.55E+08	1.38E+08	2.1E+08	3.71E+08	680436.9	3.77E+08	2.77E+08
9.976317	9	5	4	2858711	1604970	447184.7	3216298	3698366	1963256	1356082	1966816	1798074
9.992233	8	4	4	438560.5	1177696	220695.3	974755.7	433043.5	1217313	1509666	1032977	929403.1
10.35132	10	5	5	2101778	8122494	358007.6	7589792	1197405	7746214	8625466	8158509	8268710
15.61447	10	4	5	533913.7	4626439	780793.2	4155163	846146.6	4926359	5225522	3943039	3652780
9.932033	4	3	1	2324750	3193405	2050164	2029973	1970136	5633536	0	3867666	2914426
10.9645	10	5	5	397248.3	1843114	279711.1	2235458	879218.4	1663744	2188583	1624053	1632910
9.874317	9	5	4	5539910	3287128	579506.7	5560541	5224559	2622121	2799371	3746129	3959459
9.992233	5	4	1	2030398	737584.4	235648	1437201	1604166	1086052	738528.4	799443.3	610341.8
10.48597	7	3	4	184775.1	623726.1	182126.7	532658.3	125260.8	783773.8	592668.5	693878.6	322473.9

9.856867	10	5	5	2319598	13142372	2263370	11734368	2589822	14006480	12393939	9553376	14510475
10.67637	10	5	5	561564.1	3569188	655557.4	3146345	796782.5	4086024	4013187	2915212	2791258
21.57383	10	5	5	1686795	1643916	1332558	4061215	5486242	3461349	963651.4	2645146	729931.5
9.536783	6	4	2	524101	1258722	610943.8	860664	754798.6	1364547	2041642	1284337	1275968
9.253783	10	4	5	1420004	2149887	571480.1	3381883	2810412	3070767	1882983	1618503	1868117
10.02372	7	4	3	820499.3	1327738	1110360	1997443	1203334	589837.6	858069.5	3284786	1119749
10.95055	6	4	2	183737.5	532875.9	213660.9	405004.1	228362.4	782022	741949.4	412671.1	312671.7
9.992233	7	4	3	2358509	1809895	2406937	3180780	2335086	659321.5	835046.9	900365.1	6108245
9.40615	9	5	4	695910.8	1971109	769205.6	1546443	697504.5	2107228	2231384	1279652	1180879
14.69268	9	5	4	181096.8	946221.9	328330.3	785963.8	206579.6	782441.5	996056.2	661793.5	797813.6
23.82233	7	4	3	131607.5	236296.5	113090.3	404629.1	378992.3	430503	221680.2	172986.8	143090.9
9.845483	10	5	5	5290215	24793564	4943967	19547856	11472132	24719888	23594323	19236147	23619829
10.9645	10	5	5	395844.2	1886424	387326.8	1654780	413732.3	2319975	2206661	1497648	1489668
10.97857	11	5	4	1150167	888414.5	233606.2	1926163	2389585	940131.3	539012.8	910508.4	1192144
39.96383	4	1	3	480905.6	4326724	520342.1	3830363	1068541	4416143	4614064	4578366	4617377
42.496	4	3	1	373999.2	6149435	1949519	5303293	173316.6	5889279	9552056	5522427	4884968
10.9307	4	1	3	192423.4	249771.9	234533.9	364372.8	148474.5	143011.9	665402.1	97759.1	156039.9
10.68888	8	3	5	130525.9	425597.7	128168.4	358007.5	104074.7	244486.2	411562.4	508929.9	382725.8
9.487883	15	5	5	1380011	11472351	1279000	14323788	6518165	10503751	11878486	9774259	12631472
9.388617	10	5	5	1519029	4681575	2095415	3634136	1447837	5052140	3190300	2667474	4483800
9.999217	10	5	5	2921852	14407109	1696606	11723488	6067368	14479021	14573051	13271908	12643334
9.435733	5	2	3	1276395	4976890	1848919	3731858	2410580	5493113	4967143	2388848	4510521
20.70633	6	3	2	115808.7	667467.7	244981.6	499660.6	327847.1	601132.9	796131.4	395652.8	523932.9
9.219483	5	2	3	2607480	1480371	500666.8	8051449	15189183	1993125	1013488	1895967	901372.9
10.7349	6	3	3	677723.2	2969950	1518068	2271764	695222.3	2819189	3033420	5417255	2246690
10.9645	10	5	5	584745.2	2858434	540769.4	2403935	954691.8	2882211	3252289	2267976	2374555
10.008	5	3	2	425857.7	925531	516925.1	599407.7	608166.2	975892	170619.7	1080682	799339.6
10.70315	9	5	4	310809.8	1323479	341187.3	1146463	265695.5	822814.2	1706183	1565655	1294108
10.03658	13	5	5	1024708	3320083	898732.9	2795319	920748.5	3837227	4341721	2677383	2128686
9.992233	9	4	5	19024410	13934906	25564115	2881972	1011819	2571597	3259216	2934016	59645294
9.9677	11	5	5	2812001	11641870	1623700	10321752	2751534	12567743	13506196	11311223	9171403
10.008	9	5	4	1070548	1035449	231231.9	1797294	1754871	1142447	994679.5	1324760	1021775
9.544833	9	4	5	769928.7	1549264	1264151	984221.8	436161.2	1244134	3786093	902013	1068238
9.4468	6	5	1	672331.5	4088232	517790	3258161	1880993	3356964	4762012	4168810	3880557
9.960817	10	5	5	2587660	10753181	2360709	9028343	3472733	13033516	12690553	9287713	7453075

11.02545	8	4	3	1192863	2238448	1689599	3321304	2043632	1511091	1847149	1009083	5210913
9.43325	10	5	4	2763018	17134936	5907104	13401764	6982640	25572018	18211534	18480559	13502392
9.842	10	5	5	668720.1	2146397	723892.7	2514783	533855.8	2172639	2495799	1470788	1438511
10.31835	8	5	3	478273.1	1406097	202466.9	1256056	303780.2	1291633	1195276	1694161	1318054
18.90883	4	3	1	1131101	3585369	4611676	5889303	3202176	8149579	173064.7	454722.2	56127.46
22.22617	10	5	5	166597.9	975594.8	406397.5	779581.3	246383	634139	1668865	974107.9	832470.6
14.7653	4	0	3	3541233	9426692	9588718	5246588	1799474	5247954	4855853	26537072	6169063
9.896717	7	3	4	2493586	5544027	2375453	4075632	2706899	5916742	1895248	5610985	5740578
9.992233	7	3	4	461308.8	649838.8	401209.4	1023865	804847.7	961781.7	1068280	763559.9	193987.2
12.38413	4	3	1	60790.1	149261.8	49866.29	119972.2	51799.67	211186.6	134629.7	162916	74890.12
18.64583	10	5	5	12175650	60392303	27781088	47953871	9925032	1.09E+08	56447539	44128110	39997821
9.701933	9	4	5	505400.3	1449770	210209.5	1318468	243895	1592309	1642793	1562004	1282090
9.999517	5	3	2	2071907	702078.7	145024.5	1757450	2442892	831691.4	542771.4	595626.4	873472.3
9.77355	4	1	3	1274921	1168222	750938.7	2238265	2413116	1674765	0	1924623	1290682
9.992233	4	3	1	968216.1	997659.4	345400	650334.3	757257.1	586276.4	660230.7	1248416	1186678
9.994767	5	2	3	547651.7	417590.3	267792.5	911388	1126793	0	384711.5	679566.6	623622.9
9.5812	16	5	5	6483121	58277272	12387125	44314593	30889541	49351674	68432168	74193248	45788213
13.87285	3	3	0	209451	1654417	164230.5	2538171	2045140	1374376	1701839	1720261	1670827
9.8322	6	3	3	554394.3	1382011	261612.5	1082018	665099.5	1685750	1637628	1238180	1106614
9.856867	10	5	5	3219846	11211972	2316256	9196941	4280611	13176134	13285243	8381739	9097593
9.887133	10	5	5	3931603	9171293	1393120	13623417	10271784	9736727	9172360	10594456	9487687
9.328967	7	4	3	764571.5	3817961	877300.4	2871069	2085437	4037198	2334371	3845951	4615638
8.93965	10	5	5	361076	2442054	854669.8	1920611	953759.7	3066317	3545704	2235967	1919512
9.56645	7	4	3	345259.9	766764.5	243214.8	653623.6	123021.4	700515.6	1143537	513444.9	627572.3
9.986767	10	5	5	4195858	4007745	1020649	5776900	4031083	4839033	3900467	4255871	4732099
9.992233	13	5	4	14833368	6622644	2301659	13370429	15559942	6859328	5010761	5066681	5657229
9.4775	5	2	3	412844.1	1207804	603654.9	928899.8	292521	1023272	983830.2	2196471	580361.9
42.74017	6	3	3	329606.5	3675721	2064348	4588621	624202.3	4499451	2973175	589823.8	4169010
18.39967	3	3	0	69570856	3.57E+08	3.96E+08	1.86E+08	46829058	1.59E+08	1.06E+09	2E+08	2.16E+08
8.961583	4	3	1	143902.2	506531.6	268766.6	356149.7	253978.8	692583.2	704484.9	671336.1	368847.5
9.544833	15	5	5	6593370	6272502	1477064	10968253	10843007	8110185	7384232	6188892	4824504
9.983433	5	3	2	422506.6	811873	408587.4	606861.1	290112.2	703889.3	196739.2	1272636	1067563
8.99545	3	3	0	179708.1	438515.4	189196.4	316751.9	231284.2	418361.4	763863.2	330941.6	393672
40.2515	12	4	5	2918336	10934564	16035682	4011494	1360182	4003277	4625719	819469.8	39430022
21.409	5	4	1	117300.1	263770	59267.8	347255.4	188447.2	215049.2	313975.2	274467.6	190717.1

9.992233	10	5	5	855903.3	2890735	448970.6	2474726	896427.8	3397041	3075062	3130649	2312640
9.43325	6	4	2	503481.4	2955353	1223688	2155214	1534914	2454729	4807009	3566658	2049391
9.858833	10	5	5	1755326	11095187	1439586	9420943	3723007	10083211	9871555	10454262	11752344
9.559117	8	4	4	4617352	5539755	9449399	1449941	1270101	1160203	2003337	22427183	1210681
9.972483	6	4	2	925581.8	1091227	1041867	614683.7	472344.7	2824583	70317.71	1036052	957683.2
12.26695	9	5	4	197877.5	683429	124685.2	943644.3	597234.9	787963.8	789235.6	593567.9	511990.1
9.872933	5	3	2	1087847	3189629	1834177	4272599	1933972	1595642	3298961	2379262	2386010
10.93618	5	2	3	153669.9	623598.4	268347.2	487784.7	196652.8	962393	635825	275459	461060.4
9.684583	10	5	5	4258294	3377182	1265568	7376015	9245350	4786204	4148314	1879944	2213606
24.76817	9	4	5	78296.01	341973.4	53035.82	278327.5	142141.5	329869.3	392053.4	263650.1	390854
9.568567	4	3	1	204542.6	435624	132349	297333.5	304144.6	621581.1	469322.7	256527.5	388406.7
41.4885	7	2	3	412366	4865892	765769.4	4433009	742143.8	6186890	4582651	4669908	4192370
9.45945	7	3	4	735827.8	4113675	1568366	3208597	1584970	2499608	5671676	4587790	2405595
19.62267	7	4	3	3525247	8307827	15459650	1628754	2078440	35947390	2204488	1487627	875063.3
9.992233	14	4	5	6343973	1423883	428365.5	8860370	17296381	1783537	747921.6	1749818	1563000
10.9645	10	5	5	516491	2493997	515767.2	2086004	849297.7	2599339	2812292	1939373	1995811
9.43325	10	5	4	1774370	3320202	1134187	5701392	5475206	2637164	3496150	4788661	3846873
34.53717	4	1	3	219345.5	327770.8	171555.1	942304	1424184	607120.1	371157.5	185691.9	211935.1
9.857683	7	4	3	1763571	1860225	265841.2	3209470	3133294	1828289	1791801	2287387	1553441
9.912633	6	4	2	1616144	2797393	705399.3	2131045	1444727	3728299	2955176	2799222	2754255
18.64583	10	5	5	29763672	1.63E+08	75380319	1.3E+08	24800091	2.94E+08	1.52E+08	1.21E+08	1.07E+08
9.536783	7	4	3	575034.7	1770584	687534.5	1381525	669126.7	1905699	2493875	1831327	1990459
24.18933	9	5	4	4429279	1533421	566253.7	14058025	29147824	1285981	1081213	1209363	2485646
9.842	10	5	5	1449502	4418149	1157359	5484796	2304107	5607426	5675528	3125485	3727775
10.45545	10	5	5	40026280	1.77E+08	27753737	1.93E+08	27047168	2.26E+08	1.71E+08	1.64E+08	1.6E+08
10.51713	4	1	3	141035.2	310845.5	99186.51	241922.5	136980.1	258529.9	229729.9	475753.3	329350.7
9.992233	7	4	3	1107315	1265656	388366.1	1747299	1081207	772858.2	1556834	1030759	1734143
9.55155	14	5	5	680531.9	3821742	1479863	4930281	2271402	4184024	2208611	6096407	3715013
16.73867	9	5	4	94930.61	477530.9	183180.6	383280.2	142111	564421.1	489235.9	209010.3	421084.5
9.933967	8	3	4	5588352	13857554	6149838	18571790	9738058	18619459	10673255	21945590	10804888
9.77345	7	4	2	863750.3	2345839	535366.3	1927203	870212.2	1619248	2189250	2169268	2850195
13.71213	9	5	4	116950.8	661981	150382.5	577402.5	144875.4	846210.2	772180.4	523897.3	502919
10.97857	10	5	5	1083368	2057039	978651.6	3249664	2674382	2156430	837815	3191071	2773999
10.95835	10	5	5	512124.1	2691226	698687	2322269	582108.1	3538436	2699358	1879810	2132858
9.874317	10	5	5	1.08E+08	2.4E+08	66689641	3.59E+08	2.72E+08	2.84E+08	2.47E+08	2.95E+08	2.49E+08

9.348233	5	3	2	436211.2	2489966	1372470	1749584	1205882	2108280	993707.6	1493288	4039352
24.968	5	4	1	134144.2	429705.4	237244.1	309636.6	175553.1	838673.2	424281.4	287373.3	340817
9.3735	8	4	3	2161672	3102817	1451873	7801235	10902676	3320570	3999565	4893661	1926303
11.64913	10	5	5	1699431	10705519	2153869	9451059	2228388	12684562	11515703	8277397	8522140
9.952017	10	5	5	2328241	8282556	1090434	7593859	1302354	10154661	8057662	8175473	7471499
9.983433	10	5	5	8261528	23837306	4403120	19216681	10203834	29662584	23844942	17281708	23763376
9.874317	10	5	5	2126452	7981051	1257167	9701179	3894641	9285217	6931003	6753512	9344629
9.992233	9	5	4	456944.4	1045227	346100.2	872557	245556.5	1112949	443383	1180480	1159519
9.856867	10	5	5	1870166	9520581	1473229	8054805	3216072	10672490	9819304	7346479	8815298
9.77355	5	3	2	830797	1215079	165733.8	1131141	123429.3	1386938	1250569	1200197	945161.1
10.05535	12	4	5	392682.3	856344.7	522460.5	1109752	335088.5	1468740	317599.6	1169672	1018901
10.95835	3	0	3	501971.2	393488.1	232946.3	804011.5	942561.6	173098.8	752941.2	359503.9	468624
10.9645	10	5	5	683627.1	3100739	625374.4	2725568	685423.1	3346970	3874832	2438043	2473925
11.01378	6	3	3	153131.6	411236	129235.9	339576	121339.8	263947	410211.4	448536.3	329703.8
9.445217	14	5	5	1674775	11762596	3313378	9747051	3722621	15232987	13369639	13466691	9673603
10.95835	6	3	3	264496	845073.6	171827.2	931393.7	124987.8	1090295	778489.8	617562.4	886480.6
9.94455	10	5	5	2815780	11134778	1834109	10060873	1923622	13504785	12531026	10618724	9096660
12.4426	5	3	2	179092.8	260317.2	79398.7	537669.8	645402.2	245828.9	312066.7	168178.7	209227.5
13.03922	10	5	5	928979.2	11121976	2813471	9813138	1486765	13941687	13788318	7286239	10810474
9.842	5	3	2	498183.8	1320995	487110.6	1651144	651790.2	1050563	1398933	2034085	1396773
9.365833	6	3	3	410855.9	2593027	1351281	1919916	958089	3309275	3319216	3941524	1722151
10.008	8	5	3	1679791	776566.3	178382.9	1817601	2429745	826774.1	731222.2	755308.8	537661.5
8.98945	10	5	5	390707.8	936207.6	456165.7	1261427	657046.3	959429.3	1645022	953590.3	716862.4
10.008	10	5	5	854015.8	989881.8	327644.6	1413159	957000.7	1158853	1098971	1356333	820871.8
10.9645	6	2	4	187029	467425.4	213694.1	608371.5	274562.9	598172.5	721441.3	489491.1	358350.8
9.992233	10	5	5	2219834	2694961	1262901	4201440	3384441	3356701	3889682	3573002	1376252
9.946467	12	5	4	1089469	2824806	1251694	2030751	1512842	3453464	1708887	1271890	3586284
10.2608	10	5	5	5809550	23269207	4475728	19418991	8245136	24945987	27360509	18583945	18366588
9.992233	6	4	2	3863553	1873623	2639267	3391311	2679577	805423.4	620841.7	735578.3	6592688
22.8425	7	3	4	132516	795092.2	90532.51	866157.4	148667	782007.5	895746.4	828138.3	650772.6
9.887133	9	4	5	31347538	59607314	90645652	20575571	15181443	17336674	2.22E+08	24969706	22144738
19.91217	3	3	0	56945.45	107878.2	75543.2	64943.11	75001.41	91419.76	228623.1	115728	80340.54
9.912633	9	5	4	1426648	2919396	744946.6	2524414	633629.8	4051762	3189750	2090048	2710938
9.976317	10	5	5	1761844	2920973	1733684	4087825	2300881	4971354	3933761	2874512	354219
9.853633	10	5	5	2663061	10864639	3966653	8595891	3990477	10674977	8266895	5931435	13721773

9.406667	12	5	4	4102910	6272343	844548.2	15824989	22355211	7479251	6289872	5331447	6615664
10.03947	10	5	5	1284465	1898121	672794.3	3020761	2579508	1905828	2353971	2418190	2057658
10.9645	6	2	4	176424.2	598140.1	116977.9	671517.3	139077	725995.1	686757.7	522557.4	614001.9
18.864	10	5	5	2079908	13472108	2882710	24605498	25988972	17700958	13854804	10277343	11349453
17.58517	4	3	1	427330.7	3639464	910660.2	3067210	1086120	5158392	2774223	3148344	3498978
9.328967	6	3	3	3972934	1331470	522029.9	7553238	14574102	769332.1	1298004	1607502	2059449
26.21633	5	2	3	95189.16	487164.7	290762.3	340639	215665.6	449373.9	840655.8	144280.3	284137.7
9.842	10	5	5	1274713	6754012	1771611	5978396	536625.8	5192698	4536102	7922809	7598606
10.05528	11	5	5	2902151	6515278	4156871	8641277	3225735	8772225	11677697	7220376	1061411
9.992233	10	5	5	814959.7	2564744	468032.1	2232379	673105.4	3165186	2659639	2784354	1966043
9.848417	10	5	5	1458263	6132054	1469054	5327074	1355487	6367997	3670712	7300131	7206259
9.56645	14	5	4	789527.1	4950324	2634585	3614781	1994141	7311736	5938927	613572.5	4464838
16.27147	10	5	5	237814.4	1646090	368146.9	1832905	279642.8	2000072	1663030	1236416	1313363
9.338567	9	5	4	1056730	2582260	1056354	1989404	1026820	2684969	1871683	1516236	2579355
9.992233	10	5	5	2263739	7451667	1428060	6367946	2250987	8703561	8713892	7909031	5534106
9.992233	6	4	2	374934.3	862052.6	411959.3	594831.5	518640	845578.6	1174419	497267	424505.6
20.27433	5	3	2	97338.95	477044.9	110789.7	380555.2	207994.3	603158.1	428167.2	329827.4	454234.3
35.25733	4	3	0	380654.9	5593839	2751473	4420739	146635.8	10440588	3569525	4796007	4642980
9.419733	4	3	1	1906168	3962047	3930728	6454320	4773594	819273.9	8085488	8436441	1125769
9.872917	10	5	5	6295257	46038558	4694477	43332802	4818925	44244765	38698807	48677850	50512325
9.3919	11	5	4	2461238	15600662	2591973	12916237	5961934	11789926	15216128	19013801	15639346
9.4468	6	4	2	624959.8	1934434	828908.7	2366409	679596.5	2400830	2735674	2461666	1044135
9.419733	10	5	3	1438823	13116501	5155697	9384125	7632274	19032928	13939428	16925953	8338560
10.9645	10	5	5	504842.9	2366618	506886.8	2052501	593208.8	2759354	2893688	1815430	1847686
9.842	7	3	4	2377408	1474234	458477.4	3963742	5838618	1437097	1358220	2242715	1014765
43.114	12	2	4	322883	3542080	501942.2	4439750	2075256	3247046	4411909	3200205	3525951
9.952017	10	5	5	1192617	3395373	430474.4	3069204	678414.6	4007667	3610235	3354519	3070626
9.3494	5	4	0	678264.8	4304863	1119163	3602964	1337312	5207854	3227920	5768461	3834948
21.1365	7	4	3	1281118	25609310	5177432	22045468	7142411	29678428	24750829	18875955	31751629
27.1985	9	4	5	963975.7	9582847	1460381	8783416	1350468	7754076	10113311	8854773	9518572
9.94455	5	2	3	616155.9	1102659	396323.6	875773.8	402385.8	1235242	1621250	1239080	628202.2
9.94455	6	3	3	499722	1318719	413441.1	1106891	324627.1	1890623	1374761	1341016	1259693
10.00385	9	5	4	388051	1097400	340120.3	845413.2	520373.8	1297298	742600.5	872737.9	991904
20.90683	3	0	3	14131322	3112624	272881.5	28303691	59221893	3219414	2779363	2924507	3484327
9.864767	10	5	5	6794758	31808188	2885254	29027357	6120851	31796305	28704142	29164895	34473113

9.856867	5	3	2	1633337	1528568	473291.9	3558347	4759667	1700794	938150	1685073	1180333
10.02372	7	3	4	288934.8	549267.1	295151.1	709845	269598.3	692535	62907.19	812337.8	686686.9
8.97505	10	5	5	1395267	5207834	963367.1	4517731	1408314	5003666	5765511	4813078	3962967
21.167	10	5	5	4910856	18821573	3162070	20891410	4053215	15643835	22491067	21752892	16115002
44.37983	11	3	3	290588.4	3531461	693912.7	3215649	333141.2	4448306	2565863	3417995	3360535
18.26783	8	4	4	1830152	17924148	2996491	15019413	6405726	21712470	14163074	15788381	18415232
44.9525	6	2	3	341303.6	3412268	1306119	4023613	740054.5	1230491	3840232	4725477	3460959
9.43325	12	5	4	1979125	18507724	3186565	15406878	6844641	22262899	20031498	18588885	13611636
23.842	10	5	5	728838.6	6393600	868725	5925755	776921.9	6193586	6763128	6230165	5204086
9.912633	9	5	4	4129333	9000123	3185607	6695767	4726518	10518457	7149800	5531761	8106336
35.58483	10	5	5	520907	2559371	2222517	1490781	1423983	6316769	1409353	627612.7	1798580
9.507167	6	4	2	607953.2	1076693	1148132	1650995	845222.3	684311.5	473247.5	532144.9	567857.5
9.928667	5	4	1	909090.4	1853169	247479.7	1487868	839903.8	2004290	2211919	1721065	1712453
36.2665	6	4	1	301542	4741914	464538.8	5074190	679414.3	5114355	4565628	4485799	4212429
10.9645	10	5	5	450633.5	1954253	312971.3	1682913	587205.9	2264379	2061644	1662623	1582180
10.9645	7	3	4	880881.7	1260134	384736.9	1908430	1500056	1774698	1334466	1432761	911232
9.43325	11	5	4	4068984	33143226	13553049	25555507	13226695	47049860	41377699	38707443	24712118
10.69952	7	4	3	105536.9	310756.6	122889.6	242704.2	117222.9	408097.5	364691.6	182562.7	174069.2
10.9645	10	5	5	213820.9	740940	240842.4	622807.2	166512.6	1014181	993943.4	555841.9	591549.2
11.42608	10	5	5	3901344	7650332	1954522	12342882	10964882	9452223	8731366	4996194	6158522
9.992233	7	4	3	1114150	1959536	641529.9	2482533	1115794	1326496	1847931	1760977	1819256
9.640367	10	5	5	830075.1	3230604	618297.9	2742818	1031436	2658482	4228520	3200813	2780896
10.189	7	3	4	2504766	2164107	161384.9	5840107	8666847	2410823	2077485	2140123	2210006
9.544833	9	5	4	496966.6	1120337	273480.6	859862.6	574184.3	1287411	1510981	888076.3	880981.3
10.01477	7	3	4	2256003	3590070	4198907	1660240	2177181	10052045	771791.5	5681384	770982.2
9.976317	9	5	4	1942737	2964146	445817.9	3562143	1368251	3191428	2330254	3484002	3087629
21.66567	4	3	1	132146.1	389970	195163.4	285666.9	172223.7	95698.61	441309.9	319480.4	479456
9.721317	6	3	3	396667.3	730432.7	402175.9	550034.3	175927	1070016	1256555	469012.1	383904.2
9.447983	13	5	5	1325645	10352015	5926044	13796668	6236061	10409707	441104.5	16103611	11790455
9.929783	18	5	5	2056865	3378397	1895078	5842440	5626852	2192350	2289205	6530148	3792952
10.21522	8	5	3	208351.5	611686.2	176092.6	527828.1	109176.2	658567.2	582937.3	884459.6	419910
27.46017	4	0	3	233857.5	2686191	63106.83	3309978	1471019	2742633	2699349	2677335	2728785
9.842	9	5	4	784762.1	3209979	404726.1	2900252	649720.1	3644576	3356097	3487240	2775969
9.103733	10	5	5	2543811	11473983	2029990	10133848	2647230	13111531	14152695	10330296	9509719
9.960467	11	5	5	499809.7	1522407	214698.5	1323957	435738.6	1828584	1611069	1465338	1247514

10.9645	5	3	2	360005	810304.1	301965.7	634078.7	320630.7	1014392	1234553	686648.6	573002
9.976317	6	3	3	1271756	1138415	255381.1	1841050	1647993	1011371	984211.8	912299.7	1248707
19.7075	3	0	3	117701.5	192792.5	52368.49	163860.9	49877.61	144158.1	157572.4	170153.8	270341.1
9.45945	7	2	3	1631857	10631314	6279714	7400951	5044698	17120231	5720357	14472998	13492438
9.328967	6	4	2	1189304	1790649	759105.7	4125763	5485446	1711232	752472.1	1556732	2821960
9.983433	10	5	5	1152964	4125901	783051.6	3540866	1218918	4630650	5018486	3836478	2978776
39.22983	4	1	3	367233.8	5161293	562099.3	5958939	1834100	4317816	4881272	5693513	5367788
10.47023	10	5	5	486076.3	1565371	198607.7	1366203	443260.8	1599653	1889861	1508683	1379186
11.53673	9	4	5	87317.87	320238.6	109891.8	259093.4	106359.1	492679.8	343991.8	282791	285597.9
8.10225	9	5	4	2509209	1.44E+08	43107470	1.18E+08	50835073	1.56E+08	1.13E+08	1.75E+08	87265725
10.90275	3	0	3	188041.8	535768.3	319577	396127.6	106798.2	262058	989154.5	303103.1	371862.8
10.94443	6	4	2	201402.6	518821.8	254921.9	746710.1	497897.3	929282	499228.3	374513.8	254370.8
9.91875	6	4	2	1691220	5477621	1014299	4093360	3178084	4087047	5056205	5506018	5915260
10.95055	4	3	1	482130.3	694245.6	188344.7	563250.4	265932.7	1025550	605841.1	650134.5	558709.6
10.9645	10	5	5	953006.4	4365675	883979.9	3881408	829345.7	5095109	5502481	3751465	3474860
9.845483	5	2	3	852826.8	2259880	543153.2	1768181	1077687	2510140	1895135	2160427	1677060
9.992233	10	5	5	882965	3141933	210973.8	2785878	826929.2	3212597	3213758	3419222	2894018
9.856867	10	5	5	1624579	7522128	1229084	6561008	2035698	6883165	6722073	8610116	9066749
8.995417	6	3	3	188780.8	308938.6	213394	653773.7	799607.6	188846.4	639340.6	409551.2	146367.7
9.94455	8	4	4	789879.1	2348940	490641.4	1881481	1034304	3076759	1759344	2495631	2314804
10.008	9	5	4	378686.3	1398359	239297.3	1152306	550607.2	1458635	1778143	1298486	1146576
12.63278	10	5	5	189740	1325209	290468.3	1132990	381656.5	1678974	1595720	1060764	1097900
18.96583	10	5	5	1335735	9373373	2303723	8264096	1509661	10993068	10784516	6823062	6897679
10.9645	10	5	5	1699390	7778245	1473018	6786308	1987153	9129080	9185072	6056429	6431446
19.05333	3	3	0	413318.1	2395344	639318.7	1977915	823245.6	3323852	1772777	1964382	2148297
9.999517	10	5	4	307350.7	876586.3	145770.7	696196	411758.2	950709.5	894684.7	826877.6	660650.8
9.842	9	5	4	11824061	3479154	846192.4	14254053	25493064	4708086	3638007	3198718	2361165
9.45945	10	4	5	10099843	36992697	52404013	14461558	13075834	13551726	2407792	1.3E+08	21154722
9.842	6	3	3	4228229	2431695	734922.9	6326636	9202624	3175945	1601686	2890509	2809760
10.26505	6	4	2	187494.2	708066.8	161769.7	582516.3	265577.2	606537.3	952794.1	786554.6	640499.8
10.008	9	5	4	1133466	1884903	235230.9	2552495	1571095	2021544	2048685	2050025	1510342
9.56645	5	2	3	948384.4	5007504	3350318	3411268	2111819	4289241	898983.4	5221978	10213658
9.842	5	3	2	714506.3	835548.6	688623.6	1351276	1079330	1343123	0	1345180	1321267
9.992233	10	5	5	5697343	6206241	1708048	7856863	3665572	4406682	7652302	8358748	5096147
9.887133	10	5	5	2558234	12881987	1144075	14460452	3635005	12407639	11772259	14482374	13654139



36.3385	7	3	2	256588.9	3142869	1661553	3858657	447711	4687462	2747559	3779089	447035
10.008	8	5	3	573119.8	1975923	186538.8	1630683	805865.7	2079395	2050576	2004885	1648073
9.960467	10	5	5	1702526	5917183	639827.7	5402980	1099923	6914378	5741758	6096661	5615155
9.9847	4	1	3	286431.6	461942.6	190843.6	628497.8	363370.8	486586.8	158162.9	647150	592819.2
9.912633	8	4	4	2055547	3059428	1061784	4944461	4397047	2381810	2471905	4634510	3671360
14.31217	10	5	5	3354823	11418802	3977779	16787856	12361472	14891590	12463601	6513501	8006977
9.994767	8	4	4	1035467	1117790	501985.9	1444478	645241.3	977150.8	1542255	797438.3	542455.8
9.999217	9	5	4	3758927	1180388	257282	4277237	7344108	1501910	1188623	1320992	1069592
9.507167	4	3	1	8600908	21502848	28848653	36348153	23487189	870719.1	467811.4	43949718	60880847
9.842	6	5	1	484161.5	1521219	369127.4	1304888	398518.8	1566702	1982613	1732628	1279133
9.856867	10	5	5	1911562	9349188	1440965	7834729	3409177	9659515	9672699	7732152	8258634
9.853633	9	5	4	4860050	11520073	2355258	15803267	10006999	12123425	10516492	7950121	13195305
37.84867	7	3	2	320820.3	3955618	896690.6	3526687	579861.8	3224292	3773218	3222756	5393483
9.388367	7	3	4	1291460	9109615	4086665	6814811	4069432	14818677	5529194	5786308	7512349
36.65567	6	3	3	364379.8	7912839	4010987	6172384	1291669	6538502	4808629	6748465	6518254
10.95602	10	5	5	431768.1	2460556	730838.7	2096749	542516.3	3314579	2716888	1652571	1742412
9.348233	6	4	2	433974.3	928800.2	614978	562748.2	683838	1538344	1404445	992226.8	708985.9
9.896717	4	3	1	1078671	1400746	1127483	823008.6	909932.3	2594525	0	492803.1	1603374
9.859983	10	5	5	2916038	10633920	1390068	12904227	5288314	10517199	9698153	12531954	11411120
22.69817	9	4	5	977374.6	2547500	5057426	416631.2	277201	184101.6	226010	420397.3	11593047
9.992233	8	4	4	264164.5	677512.6	126357.9	584668.6	193801.5	783210.7	718492	770542.6	475107.4
9.872933	5	3	2	1925204	2488452	1182929	4302954	4215470	4381823	2864841	1670745	1490496
10.92828	10	5	5	547639.4	2158035	581613.4	1848156	517859.2	3007344	2073150	1568440	1708915
8.911617	8	5	3	2115402	3441155	174353.5	8086481	11035791	3607308	3438744	3588224	3395415
9.976317	9	5	4	1114295	4159274	607895.7	3381605	1787108	4451597	4452498	3550277	3487052
10.008	10	5	5	426278	619509	226066	800871.1	389005.3	637058.4	1000362	550688.3	451704.8
10.008	10	5	5	1036863	2621948	1043749	3550155	2038955	3407791	3702765	2966686	1579283
9.848417	10	5	5	760467.5	3706903	157847.4	3181895	1242233	3728861	3888560	3755173	3707703
14.44357	8	4	3	76367.7	428552.5	152677.3	495130.4	53720.78	394324.2	648169.9	221678.5	419165.6
11.12052	7	3	4	572335.9	1214803	286321.5	2506833	3063647	1646340	1102037	866200.9	1170511
9.388367	5	2	3	1110052	6931627	3483402	4818372	4010131	10937736	3131015	3646473	9591372
10.35905	10	4	5	464011.3	1656781	291488.3	1405061	549812.6	1670608	2061661	1358905	1396725
9.473717	9	4	3	1610816	14786440	4310275	12344824	4381800	15042515	14975125	13494314	9202458
24.609	8	4	4	105021.2	260759.7	119580.9	349998.5	187553.5	430270.4	339211.9	150318.7	173883
9.960467	7	3	4	1292620	2894582	878726	2448274	695060.1	3276572	3299175	3858343	2418375

9.960467	13	5	5	816943.8	2014730	883975.8	2396944	277492.1	1205965	1124856	2146250	2332218
9.960817	9	5	4	839253.8	2587526	439235.2	2087078	1140031	2713124	2895058	2729679	1812198
9.8374	5	3	2	498971.5	1997742	496523.9	1782652	160759.1	1727757	1443887	1769916	2495385
10.98385	5	2	3	381865.2	527256.3	216409.9	960346.4	1017589	776297.7	555739.3	634832.6	473947.2
9.858833	9	4	5	951191.3	4728627	1065065	3763707	2130330	4923220	3125351	5392336	5879282
9.960467	6	4	2	838639.2	1335918	836310.6	1768432	695064.5	1256830	1276332	895340.1	2726903
9.856867	10	5	5	11588699	78925858	9820464	69321342	21480735	75977556	74421245	70686035	77668483
10.03947	8	4	4	843522.2	2132347	657012.7	1672636	944605.4	1192510	1745502	2429952	2452399
10.90275	3	0	3	510707.8	1375161	536917.1	990735.6	797369.8	848555.3	1887626	1014507	1108204
9.992233	5	3	2	872622.6	664518.8	236646.8	1185523	1228191	866424.3	732109.8	895473.8	407002.7
10.16453	9	4	5	575369.1	1816270	571537	1553898	310968.5	1142660	2503887	2313716	1530501
27.57967	9	5	4	579688.7	2598937	1148669	3550367	2063902	4291934	2083848	1193786	2982687
9.856867	9	4	5	21778502	30418062	52452394	8316544	6209283	7298268	5700996	8603485	6260650
10.96015	4	3	1	1855823	4354863	1796458	3551571	828215	6797837	5340629	3748937	2044039
10.93618	10	5	5	245633	857899.6	202814.9	705577.5	321575.2	1034406	697839.6	739552.7	698417.3
25.39233	6	3	3	178487.8	1013772	241902.3	877513.7	244095.3	741089.1	1378627	1083291	867019.9
25.96767	10	5	5	350692.2	3102348	950609	2572121	940724	2306863	4752152	2816877	2726564
9.856867	5	2	3	1284238	1740873	575067.4	3301438	3694761	2190096	2011569	1557039	2132468
9.992233	8	4	4	2212615	6050755	2298067	4962059	1451771	8605356	7819774	2749884	5380832
10.95602	11	5	5	209570.4	968592.1	225823.4	786931.6	391421.2	970567.9	1083960	741435.8	765581.9
9.842	9	5	4	7262677	2770877	308275.9	10278980	17893714	3021162	2498406	2477127	2697482
26.375	7	3	4	109706.7	385844.9	86847.6	300395.6	191609.3	320611.2	509377.8	291807.4	379500.7
9.976317	10	5	5	3412100	2261018	673413.6	4564084	5466929	2632263	2541265	2924977	1985089
9.864767	10	5	5	23495274	55525486	7862461	81898222	62593273	55924968	50698906	65493597	60140881
9.992233	11	5	5	422277.8	921318.9	212866	1062782	284574.2	1002749	953965.7	901041.7	583953.4
21.0655	9	5	4	148499.4	694096.3	254599.4	934987.7	537056.4	951142.7	835792.8	841015.5	384702.1
9.392767	10	5	5	10949182	27644663	6591476	22344242	11423922	30935494	31420502	20216884	20989042
8.974933	5	4	1	274950.4	428323.7	339008.4	266318.8	222057	545692.8	916996.6	402221.7	276707.5
10.9645	10	5	5	426441.7	1932342	308169.3	1662542	593188.6	2101732	2340688	1682268	1583828
9.531467	5	3	2	186654.8	357899	218214.1	236960.8	213486.1	583314.1	463202.8	378827.2	364150.7
9.856867	10	5	5	5367965	25586402	4891034	20695463	11001411	25390215	25827651	20195775	23148131
10.03947	8	5	3	557128.3	1000954	566955.2	736864.2	333995.9	622364.3	749431.6	674613.8	1986753
7.53665	5	2	3	814960.4	8278195	2332974	11852048	8337807	8314227	5399353	11764966	7208840
9.445217	6	3	3	787773.5	3570502	1428301	2751144	1496264	4169060	4984714	1259875	3261961
44.10667	13	4	3	396932.1	6617210	1397464	9526647	6861468	5132636	7850829	6155478	5628434

9.903567	10	5	5	3289737	9374134	2033824	7934172	2981982	11904831	9863925	9591916	6236642
9.976317	10	5	5	935279	3603278	629499	2983408	1392239	3927076	4333190	3346563	2673764
43.07083	18	5	5	286888.5	5084578	1573028	4207013	1561964	4231797	6987840	3291533	4441633
9.992233	6	4	1	2351376	2708260	2300698	4015063	2367055	1422750	2033700	6801484	1775143
9.94455	10	5	5	4740475	18756251	2903082	17271888	2359808	23031887	20349133	17636040	15954829
14.3401	8	3	5	85056.85	105647.3	44066.11	207170.2	240093.7	90802.9	123679.6	57303.29	84264.56
9.864767	10	5	5	21350104	98418411	19846283	83615850	31251002	93178691	80847357	79394871	1.18E+08
9.859983	9	5	4	3450503	8652523	1615807	13160846	10697091	8490237	7746244	10905332	9442296
12.48635	7	4	3	116429.3	702795.3	156414.3	617320.7	148926.4	661690.6	829031.6	571849.8	549576.8
10.95835	4	1	3	387297	459041.9	198976.2	897496.9	1036355	319425.2	643300.3	377326.9	698437.9
11.64913	10	5	5	854326.4	3670825	657953.6	3304914	649868.7	4156361	4436075	2752447	3428481
21.99567	10	5	5	709516.9	4388410	1634788	3628441	959386.1	3525513	6902295	5011731	3821845
10.01477	5	2	3	373868.3	373053	219924.2	580246.1	462714.6	0	467343.3	461769.8	566762.2
9.445217	14	5	5	43035568	3.75E+08	81464510	3.28E+08	85998656	3E+08	4.4E+08	4.69E+08	2.87E+08
10.95055	10	5	5	2018593	11817148	3582719	9905790	3240286	15039969	14526545	7915761	7944012
33.68667	10	5	5	1277419	10252849	2906028	8927572	1550821	14352704	9402131	6262416	10780266
9.976317	10	5	5	1153479	4654197	650136.1	4075040	1280895	5107577	5320450	4564433	3637820
9.352183	10	5	4	1575744	8918902	2212022	7221711	3621825	11564935	8850036	8666293	9970256
9.976317	9	5	4	1335654	3686530	1228292	2845408	1722482	4754815	5057167	2452474	2465155
9.5876	5	2	3	6058565	3038189	2138112	10850352	18612059	3348793	1232036	558345.6	4364097
9.872917	10	5	5	23270060	1.4E+08	14805070	1.23E+08	39888684	1.43E+08	1.23E+08	1.29E+08	1.46E+08
10.95055	10	5	5	326631.1	1897235	597324.7	1594797	475132.3	2455587	2215999	1308991	1193306
10.008	8	5	3	269794.8	671787.6	112477.6	551901.7	272674.3	654487.8	868063.3	588439.7	635424
9.416767	9	5	4	2518649	2035621	703949.8	3932213	4505672	2651433	2937248	1422499	1532404
39.89267	6	3	3	94836.64	433169.5	105600.4	488789.6	92901.38	419387.3	580017.6	328121	494738
9.43325	10	5	5	4805340	32846476	8566606	25125643	17132882	32034139	45512346	35571836	22494092
19.60583	6	4	2	1188394	2688683	4712483	714633.2	411176.4	11115409	711389.4	434728.7	470019.1
9.845483	7	4	3	1054967	3605378	965053.8	2926075	1408494	3808528	2694135	2666511	3873893
25.37567	3	0	3	462468.2	2533284	641407.5	2169069	662422.5	1980138	3625725	2485937	2180143
10.95055	10	5	5	348759	1935519	564133.1	1668271	361693.5	2454465	2313577	1349765	1295536
9.858833	10	5	5	9067224	22561640	3086151	33309807	25615340	22801947	20905065	26299213	24453171
9.912633	5	3	2	1002397	2472595	486148.2	1910817	1289690	2975458	2062014	2933208	2478018
9.976317	9	5	4	646717.8	2135376	465154.8	1796285	712962.8	2679574	2589359	1915632	1668842
9.379233	14	4	5	12190843	20531878	29848291	8047588	2081253	9898237	73843762	6349476	5476614
43.35883	11	3	4	341205	7313005	6562775	4563866	726970.4	4237377	18988695	5516570	3659195

18.8015	10	5	5	386195.2	1854879	563293.8	1573487	433426.2	2710783	2042892	1460008	1270813
9.992233	9	5	4	727026.4	2485256	467337.5	2087944	873168.5	2982986	2757404	2678615	1844710
9.999217	4	1	3	659230.6	951390.1	565546.7	679548.1	385162.8	791573.9	1444677	640102.8	264520
8.967683	10	5	5	1652317	6491478	2050730	5255277	2366942	6916376	9437962	6940905	5059816
10.98385	7	4	3	245452.6	1008624	471188.2	781801.3	322745.1	975660.9	1180534	472149.8	712103.5
10.03947	10	5	5	1601645	1416623	550378.3	2018358	1376005	987239.1	1216371	2381088	1227465
10.00385	12	5	4	1625547	2903832	1588738	1905609	1963839	4266505	456358.2	2465533	2995562
9.536783	5	3	2	252074.2	490352.3	330853.5	316754.6	289980.5	845624.5	766736.2	536184.9	108866.4
9.976317	7	4	3	399487.7	798491	370337.1	1064844	558371.4	1081178	1195388	832720.5	275418
8.97505	8	3	5	132020.1	349442.3	38630.15	377660.3	59488.04	363894.6	372657.5	381289	344610.3
37.02933	8	4	4	1497549	9272670	4807708	7102498	2467957	6314168	6222306	4986960	13186603
9.9014	7	2	4	1447859	2738889	718835.3	3285801	1169025	3409702	2107304	2235468	2316450
9.858833	10	5	5	1877658	5338342	1262557	7062293	4019690	6550361	4697101	6315622	3482024
9.856867	3	0	3	1124161	2169376	946548.7	2738457	1088974	2085439	898438.6	3528841	1929031
9.845483	10	5	5	1302293	6599765	1087205	7274170	1318348	5249697	7498763	7583735	7035807
8.93965	9	5	4	1695266	14887166	5260096	11551091	6609055	21646421	14273494	17532907	7412001
20.63683	5	4	1	14335409	26025282	56965998	54196570	42747620	932928.8	1.28E+08	315785	389301.7
36.15083	6	2	4	228028.3	1168664	290223.2	1386500	464096.1	960162.8	1329506	763366.4	1376127
9.487883	9	3	4	844738.2	1371420	444823.3	1132850	411345.3	1602700	1791713	1490027	632297.7
9.9677	10	5	5	3116288	9056325	2473686	7172333	4034403	11126065	8991367	7020186	6239857
9.43325	13	5	5	1818354	14731885	3127566	13036136	2963177	14024918	17129434	18770236	12150280
9.992233	8	4	4	1018804	1243897	540668.5	2120287	2064366	1152781	1109426	1145168	2141094
9.856867	5	1	4	1787261	1627970	809109.5	3573865	4634516	2403903	262720.3	1903958	1901674
13.44873	10	5	5	669264.2	8195748	918575.8	6692255	3543971	9544101	7768125	7220974	7763115
9.840617	10	5	5	2190768	4561441	1664818	3681636	1491289	5891228	6422912	3400108	2441021
38.95667	5	3	2	674587.3	7169100	4014725	9015224	2301334	4796954	11085200	6682638	11261682
9.419733	4	3	1	1.8E+08	5.61E+08	7.6E+08	9.31E+08	5.48E+08	3929044	2261263	1.36E+09	1.43E+09
9.40255	10	5	5	2641814	19123351	4296811	15768736	7243929	23913276	16679905	13793185	18158094
31.49533	5	3	2	322793.8	1783915	2182358	843644.1	757558.3	278830	814383.7	21799.97	5274410
9.684583	10	5	5	1435228	5826464	760921.7	5181433	1421970	6366255	6745234	5900765	5051681
29.04283	3	3	0	36684.23	143576.8	68092.4	109326.5	53933.09	234071.3	166028.2	72224.33	78639.34
10.18005	5	3	2	186290.7	277327.9	182173.3	396810.4	241680	447860.9	0	397886.7	192577.4
10.73262	4	1	3	126280.6	286489.5	149526.9	220120	69841.09	178516.2	529685.1	307789.7	153787.9
9.93625	4	3	1	4718427	13351184	2587306	15799322	5512119	15281001	15191740	10681542	15243356
25.99433	9	4	5	109689.7	800792.1	336428.3	620742.9	310743.1	316139.8	1261395	868425.8	788191.6

10.95602	4	3	1	615149.8	1236264	358102.8	936566.9	659130.9	1107333	1664771	964264.6	1567688
9.40255	10	5	5	1808751	4389664	1164758	3469451	1995795	4988070	5206582	3160154	3098375
9.992233	10	5	5	1476279	1948177	486035.6	3027046	2569803	2120975	2498051	2247252	1462529
8.911617	10	5	5	6611223	8973759	3154573	18019572	21636876	8567410	14307204	8759654	6471347
10.94443	5	2	3	130145.8	404772.1	62464.77	472792.4	156119.1	416127.9	469996.2	405671.9	301915.6
10.49953	8	5	3	5120534	2431078	1073704	6984933	10929904	3110995	1084879	2440207	3789416
10.9645	10	5	5	1288418	5928569	1122087	5191823	1493246	6966120	6922050	4607397	4875301
9.887133	9	4	5	58208700	1.09E+08	2.31E+08	12659803	13790083	6694243	2811997	5.22E+08	6482140
9.986767	8	3	5	963719.9	1755052	777162.4	2515185	1722401	2278431	2850143	1410081	1038077
9.912633	11	5	4	1056922	2712700	553147.4	2219525	1100550	3466304	2622152	1925322	2674664
9.43325	13	5	4	2065996	10488888	4432695	8570222	1668173	8246631	10027423	9452036	18072470
9.82645	4	3	1	887205.8	3011260	1049620	2259260	1583549	2923943	1390363	3062085	3395083
9.4468	6	3	3	322671.5	1304083	571263.6	932022.4	751833.6	1443130	1550008	387900.7	1219637
20.40217	9	5	4	489258.9	2355222	1161892	1579841	1585804	2661109	3448194	3395497	1301415
21.11583	6	4	2	138550.8	782868.7	394118.5	997892.8	380594.5	932933.5	1396738	399251.8	557496.9
9.904767	10	5	5	1183215	7593540	1239295	6283759	2999707	7098234	7767507	6423346	7038128
9.872933	10	5	5	1163318	4150987	495698.4	4978652	1957959	4766691	3983324	3588814	3852304
19.68633	8	4	4	224069.3	2141357	829328.5	1701425	754339	3017782	2653887	1792913	893918.3
41.94917	5	3	1	207614.8	2597665	558232	2339253	334636.2	2808519	2293762	2601318	3385891
9.992233	10	5	5	576379.9	2233537	146482.4	1983339	592759	2409914	2101101	2357453	2211806
9.856867	10	5	5	944680.5	5483051	745675	6036570	1181470	5427097	4227398	5879708	6125493
9.992233	9	5	4	2093218	1344768	600846.3	1853225	1124238	1677539	2167283	1089816	589235.7
10.9645	10	5	5	1707295	7855056	1395288	6925196	1903485	9235674	9116533	6283927	6529649
9.392767	9	5	4	1214723	2624908	676282.9	2031420	1322511	3229069	2735344	1950475	1898936
9.999217	8	4	4	3058032	979917.7	305513.9	3225949	5411577	1238951	1127272	1134446	926781.8
10.95055	10	5	5	785810.2	4982688	1306852	4349350	933988.6	6158931	5868684	3526074	3594103
9.856867	10	5	5	10910768	26287632	2889474	37937132	28012881	27702585	25492007	29876813	26307419
10.9645	10	5	5	249169.4	1225824	542976.1	952891.1	432857.4	1736166	1252450	529012.6	847589.7
9.844033	4	3	1	861032.8	1803960	686650.2	2476046	1525810	2039613	1350044	1498116	2900729
9.992233	9	5	4	1096788	1129056	212725.2	1822479	1665014	1144196	1150522	1168385	794535.4
10.008	8	5	3	2495738	966139.8	508875.6	2297573	3189063	551208.5	968049.9	1478530	1462425
9.960467	6	4	2	8401896	5633157	10541881	12066692	12549178	1044238	716069.9	1257587	24486006
9.94455	12	5	5	2281429	3334508	526558.3	5214465	4519027	3491066	3043491	3588499	3955991
9.975217	12	5	4	1022546	1782143	885559.1	2570508	1762821	2187005	826757.2	1005064	1909725
9.912633	9	5	4	1364169	3544844	1058210	2991567	933697.4	4302915	3247116	2242239	3026709

32.287	10	5	5	278298.4	1659346	511196.3	1369957	533607.3	1388649	2273927	942121.2	1774614
9.983433	10	5	5	505026.5	1881475	403619.2	1591009	614662.1	1962894	2496488	1823864	1389731
9.928667	10	5	5	1391865	3052658	820796.4	2638192	664753.6	4350713	3365180	2355831	2528061
9.848417	7	4	3	1235065	5224556	908893.2	4283377	2156415	5444216	3665455	5788049	5934034
12.74778	10	5	5	4341850	27768122	14709651	43642831	36552140	45597353	35419321	13471421	11637296
44.1065	9	3	2	607904.4	9160714	3132914	7829858	937864.5	8320967	8352072	14676278	7262724
21.39367	8	4	4	475606.2	1736960	570667.8	1458302	419936.2	1134195	2632680	1721266	1376605
21.89467	8	5	3	242931.2	2082901	549365.6	1826259	345723	1906506	2756867	2535566	1426834
9.848417	9	4	5	1290748	5117662	1968061	4119246	1616238	5259468	4293960	2589847	7997955
10.6311	4	3	1	4622783	8299344	10650069	13624537	8412493	544528.6	681085.9	20789098	19105034
9.874317	8	4	4	5131835	3937353	1386049	8830468	11780413	4238785	2045252	5528927	4797283
9.392767	9	5	4	1831465	4297163	1141709	3381027	2006323	4924759	4925568	2913700	3242160
37.48767	4	1	3	378849.2	6646884	191163.5	6161924	1163375	6815361	6441561	6882753	6557192
9.920517	10	5	5	3283345	12574260	4156365	9870998	5486595	15472022	11287418	7526453	10573696
9.078567	9	5	4	890135.3	1819676	593724.8	1390408	911453.7	1695713	2011823	1116861	1561481
10.00998	7	4	3	270031.7	716082.8	174890.3	617949	179946.4	625543.7	925262.5	757266.1	468950.9
9.864767	10	5	5	23518346	55537997	7642337	81485772	62480814	55807997	51034588	65253492	60002864
10.92828	10	5	5	522230.6	2126674	620193.4	1818265	483212.3	3024870	2144841	1461064	1642830
10.94443	3	0	3	1357487	1774696	817733.9	1231660	1115041	1642156	3160755	1102634	1243849
10.95055	10	5	5	232517.5	1237306	278172	1075214	307491.8	1400875	1547679	920127.8	967165.2
9.61395	5	2	3	2838695	791602.9	403390.6	1736457	2266989	393813.1	862839.5	637578.3	614528.7
10.37347	11	5	5	5464838	23955929	5005053	21184515	5032966	27998724	29034912	19952268	17593248
10.95055	10	5	5	1134249	7424548	1411599	6579544	1638448	8196717	9140413	6085903	5855497
10.19555	9	5	4	583825.6	1921828	732725.2	1556994	575984.6	1262819	2884784	2126427	2221991
44.98333	6	3	2	360845.4	5868163	1949321	7186589	2735168	5920761	5686189	4238003	9088671
10.94208	5	2	3	177585.3	684074.7	113956.6	565976.4	271565.3	633117.1	841501	610254.1	571360.2
10.02372	10	5	5	545318.9	1086313	216641.5	1319693	539251.6	1055005	1004646	1344879	1240044
9.853633	10	5	5	781257.8	2771749	799874.1	3248926	924008.8	2407923	2287355	1916505	3553316
13.21498	6	4	2	388997.9	2797476	346030.1	2221505	1371849	3242872	2508877	2495394	2651631
10.008	11	5	4	5290170	1754287	1436632	5373381	8713436	909083.6	468171.1	1468255	1762217
9.872933	5	3	2	928946.2	1338157	611702.7	2107900	1806127	1244628	926702.9	2411193	999684.1
9.992233	5	2	3	964016.4	948345.3	311308.7	1306936	835293.3	660451.7	1237633	1139204	1140468
40.09333	6	3	2	335109.9	4397837	225002.9	4657314	604619.2	4469078	4383701	4380340	4691193
7.592067	6	3	3	685580	5617563	3034084	4062633	2584012	4846280	1953947	3877443	8108316
10.64595	9	5	2	137446.1	258816.8	74550.28	293626.6	47672.5	230062.1	260869.5	381843.3	239161

9.559567	9	4	4	1032374	3338953	1466769	2339911	2085109	3425894	1225573	5173194	2823169
9.994767	13	5	5	1369358	2718708	1120333	3970540	2910856	3931881	3265913	3344068	1447059
10.49953	10	5	5	562280.9	1641951	766340.4	1272497	551129.4	1421275	2836874	1687775	713467.3
9.419733	6	3	2	429451.4	1910255	812287	1476354	763584.1	1785931	1395715	2756037	2707428
17.33633	4	3	1	506397.4	3395212	1104442	2625137	1624584	2382668	4917697	3513536	2267261
10.189	7	5	2	342374	790293.3	488674.8	573716.2	242417	1519083	1028037	378537.8	364372
16.30165	10	5	5	1439084	8079488	3009245	6759749	1388596	10214739	12170443	6960518	6088455
9.311883	4	3	1	631337.8	1178871	854145.2	2055843	2021394	2641341	1239639	705848.7	637667.4
9.992233	9	5	4	958479.1	1067237	375751.7	1740211	1610973	1077101	1196003	1545720	1012373
9.392767	4	3	1	608236.6	817598.2	559071	1601162	1855751	1354387	863015.5	136737.1	371144.6
9.3919	10	4	4	2432301	6688335	7093952	3718884	1761928	4056940	1350436	2460804	18854117
11.02755	7	2	5	278933.8	872013.9	281644	668662	434844.7	1219781	1041392	913482.6	663128.6
9.842	9	5	4	3438175	4863937	1092536	7838942	7188024	5276709	6421298	3452259	4462196
9.992233	7	4	3	500152.6	837528.9	268174.1	1115798	642571.9	894150.2	1125286	1011649	442410.6
10.97857	9	5	4	223305.4	735620	215916.8	886759.8	319621.5	816920.1	524162.6	951099.2	899217.7
9.992233	8	4	4	289825.2	931863.5	284766.6	791506.8	219795.6	980837.6	1149033	870169.2	476014.1
18.12217	6	3	3	65959.28	291881.6	88117.6	220396	158198	295301.7	336119.6	141810.7	317352.5
10.95835	10	5	5	712559.2	3618524	717036	3241066	653910.8	4087866	4477488	2926412	2843771
9.928667	5	2	3	31243246	37509084	33322388	20518109	28186467	2159525	1791136	49776753	62610339
9.43325	6	4	2	835862.3	5270676	938259.6	4193464	2515648	6373503	6050361	4333326	4366877
9.976317	12	4	4	790222.1	2058065	915531.3	1423638	1337128	2593647	1308704	862464.8	2560555
8.859667	10	5	5	4031363	15447197	6663216	20224314	10199101	13296688	26463162	16552084	9873389
9.445217	8	5	3	628491.2	3879647	1027861	3093806	1712795	4909946	4554325	3671225	4010574
9.559117	9	5	4	553589.8	1132946	343837	1649863	1230169	1526119	1416422	892450	708715.8
9.840617	5	2	3	3875824	4484014	1917027	8272544	9106323	4980709	2165115	5633674	6760401
9.8374	8	4	4	657388.3	1506256	395654.5	1746838	475077.6	1317555	2034166	1182953	1176417
9.928667	9	5	4	2237853	4603340	1401545	3699707	1845900	5598970	6412011	3692046	2959502
10.9645	10	5	5	627992.6	2132875	674685.7	1726213	798759.1	3031021	2598647	1636833	1403529
10.9645	10	5	5	386095	1737455	324377.8	1553768	344140.3	2263850	1780431	1473375	1471659
9.94405	6	2	3	4850524	27026536	14670156	20007681	10372753	42760030	29158924	38551243	17023880
21.64233	7	4	3	249995.3	1432836	459199.1	1156807	541338.7	1063897	1724948	1278961	1013529
10.008	9	5	4	615921.1	2252461	388123.9	1906358	782626.3	2552965	2617861	2273635	1642225
9.9014	5	3	2	715449	1413102	1047092	883838.9	869359.7	2137346	0	798340.2	1500741
9.859983	9	5	4	3103321	13215320	1266316	10684473	6094198	13299633	11748538	12684462	15207225
38.38117	5	3	1	419358.8	4455124	1061600	4945537	661155.3	5226680	3210081	3392579	5059055

12.32467	5	2	3	62440.32	449145.5	107314.9	376223.5	152886.8	323953.9	446659.3	491341.9	380188.3
9.041133	7	4	3	459016.7	1218441	604975.2	853509.6	718568.7	1437614	1555857	1642088	1294976
9.976317	9	5	4	953207.4	3838344	845535.2	3311701	1057770	4307138	4935363	3887968	2776441
9.928667	7	4	3	1247247	2665327	1061374	1829638	1841290	2369643	2190984	2443050	1810203
30.5635	8	4	4	2359255	80704979	24430600	1.04E+08	53952669	75473255	57421630	64812951	1.2E+08
22.07717	5	3	2	273082	886585.1	58630.71	1135102	604785.8	841866	981442.3	889387	886032.2
8.964883	6	4	2	398780.9	767238.9	261221.4	947295.7	380192.5	1070319	997764	447216.6	697350.5
9.845483	5	2	3	8554426	16953841	16580159	8863254	12542082	5073506	4511544	35005006	35224690
10.008	6	3	3	192502.8	494731	129866.8	420390	141092.3	596364.4	659687.2	461989.8	350355.7
26.34667	5	2	3	108705	390886.6	210441.9	274399.1	214664.1	249111.7	525061.6	173934.6	320460.2
9.880683	9	4	5	1.3E+08	2.77E+08	4.93E+08	74367598	53378603	49134307	49944828	64644471	62369228
9.8322	8	5	3	959205.2	2969435	910896.8	2308405	1423230	4034515	3649039	1875075	2248300
37.2695	7	3	2	296368.4	2860597	1161709	3635268	1614223	2740546	4481591	2796615	3069400
9.840617	5	2	3	2320234	3040417	958568.3	5708957	6476630	1500649	3014305	3741386	3941088
9.853633	5	3	1	716819.1	1211703	293217.1	1698780	1168282	1133930	1621506	1064550	1375366
26.4355	8	4	4	358211.3	792921	597282.5	1358000	1294547	940985	232827	1702090	810053.5
9.960467	10	5	5	1332228	4981932	806616.5	4179536	1851649	5556276	5026887	3973133	4409514
10.97242	10	5	5	1176940	5636770	1229881	4653332	2180096	6140098	6569881	3975288	4714752
9.433	5	3	2	97140440	53872879	84546443	1.34E+08	1.84E+08	2515158	64389219	3542434	1.97E+08
9.856867	10	5	5	9880424	47086380	7899610	40114854	15792264	51516350	49753344	37440410	40405255
9.992233	9	5	4	729186.3	2511829	467840.3	2191929	674635.6	2981759	2700132	2818872	1857363
10.9645	10	5	5	194523	772631.4	276365.1	647923	156492.8	993484.8	1139918	510781.9	613808.4
12.30202	7	5	2	68218.98	260084.1	145931.4	321604.5	46833.9	153273.6	443431.9	288001.6	77618.19
9.992233	10	5	5	881050.4	2432517	605339.3	2046185	789272.9	2457971	1453403	2997461	2390528
9.960467	10	5	4	1318766	3285013	594782	2560883	1708330	3575446	2597465	2774246	3434830
9.9677	10	5	5	1999185	7102882	2195570	5833302	2435696	9036213	6279477	3753609	7467117
17.545	10	5	5	6880394	50059028	5596876	45935512	8939547	42168595	53984643	46165598	54881421
9.842	9	5	4	1849757	9996040	2442870	8230717	3805509	9529081	8502471	7065011	11783382
9.43325	3	3	0	558230.4	1072027	339031.3	1423232	816167.5	1016441	1408451	655100.5	856865.9
12.74955	7	3	4	866470.9	4015461	1228351	6565534	6170553	5718194	4360894	2612008	3045319
8.874167	8	4	4	434305.5	951987	391254.8	1313325	826681.1	598998.7	1607345	985138.4	763725.2
10.9645	10	5	5	4149555	19522339	2879765	17333962	4797223	21701980	22039463	16297624	16483796
9.8322	5	2	3	606606.6	1742617	838218.4	1189006	1152786	1636495	437220	2663664	1736347
24.50367	10	5	5	1213187	5269406	1361051	4656710	768276.8	4949435	5606072	3940497	4414361
8.9256	10	5	5	64718664	9.26E+08	1.68E+08	6.85E+08	5.76E+08	1E+09	1.15E+09	9.02E+08	6.92E+08



9.94455	8	3	4	2048750	4170953	1608593	6541816	5672829	2625372	3215569	6793883	3825795
10.20467	11	5	5	37298128	2.3E+08	30882575	2.84E+08	1.31E+08	2.78E+08	2.35E+08	1.93E+08	2.25E+08
9.864767	9	4	4	958899.2	2710219	558812.4	3590010	2112443	2152701	3152093	2720104	3370269
9.976317	9	5	4	683253.6	1549053	484294.6	1160002	866290.5	1948882	2059102	1531841	858353.9
9.856867	12	5	5	1284024	7097423	1967578	6165621	1370138	6550641	6374262	4473861	8727355
31.48117	9	5	4	189198.6	1354418	388000.6	1188937	149643.2	2009986	1397896	1068174	1106910
10.9645	5	3	2	366338.2	913536	339304.1	757381.9	212316.3	966610.3	1481862	752834.9	720276.5
9.460217	9	4	5	652119.3	2639679	1653886	1936399	621973	2201829	674038.8	4703449	3942906
37.11917	6	5	1	280487.7	1195004	462629.6	1504073	648360.2	973286.6	1192462	620488.8	1875329
9.311883	6	4	2	415370	3011133	1484711	2231343	1370590	3470622	534994.8	3769401	4384750
25.61483	6	5	1	71146.39	199626.7	41573.56	234364.8	78154.82	152623.1	247798	203516.2	162778.1
38.79833	3	0	3	458904.8	4231322	212000.2	5198953	2368238	3981059	4456508	4085291	4193442
9.903283	10	5	4	1868629	3883718	1724283	6117449	5313291	2502707	3533595	6096353	5200394
9.979667	10	5	5	2122124	2514470	1193097	3981670	3476780	3299483	3691907	3126620	1261155
9.932	9	4	5	2372948	5719693	2689533	4448341	1868008	5178246	1388896	8410484	7174883
24.65233	7	3	4	285057.7	925996.3	991425.9	474866.2	593866.8	1988743	160304.4	107662.3	2026413
9.508883	3	0	3	2114571	1312450	1413979	4987000	8953185	634364.6	147596.9	366115.5	1871892
11.01378	7	4	3	306355.1	411804.9	189681.2	564991	342174.2	400248.1	721681.7	227029.8	295155.2
14.15043	7	3	2	392509.4	1706079	557136.1	2255163	1271919	1031219	1553795	2434524	2092677
9.872883	10	5	5	2177431	3236438	1086642	5170169	4672676	3818378	2345472	4710853	3261083
37.31633	6	3	1	348823.3	5233235	1132985	4735133	566641.3	7016468	4976066	4991492	3882067
9.999217	8	3	5	1072181	1813973	524386.5	1377090	983045.8	1355232	2168104	1143218	2284012
10.95055	10	5	5	1011067	6102005	1686219	5253310	1409735	7616272	7200899	4265712	4264601
22.828	8	5	3	109370.1	467283.5	150419.1	581454.1	251087.3	445395.2	553621.1	498467.2	223221
9.8322	9	5	4	4343901	3528734	377251	7624120	10054811	3340325	3262603	3169691	3896280
9.992233	6	3	2	423789.8	666222.4	302782	900217.4	517604.3	1073144	290446.7	803080.2	698566.3
9.857683	10	5	5	37197120	1.08E+08	14559774	1.48E+08	97892428	1.22E+08	1.26E+08	98814085	97457967
10.32788	9	4	5	333770.2	1231756	315138.3	1062669	305738.7	1166762	1736411	1282377	898302.8
10.44215	10	5	5	491808.7	1423599	368730.7	1253739	234440.6	1433602	1673568	1889876	1068550
10.95055	9	5	4	232416	787321.2	215298	645352.2	297107.7	1041685	963227.1	541033.6	773391.7
9.976317	3	3	0	474205.8	599577.5	553353	350142	320358.1	1073215	1057970	866702.9	0
9.388617	8	3	4	837634.8	7717883	1464598	6572679	2543560	9766150	5883216	7410072	7086899
9.872883	10	5	5	2029826	5447109	285832.8	7643159	5395484	5931101	5406160	5348217	5379625
9.103733	10	5	5	1666276	9603751	2689938	8214888	2402811	10444688	13887689	8736204	7660424
9.93625	9	5	4	2135779	11817870	3207464	9622292	4671050	8742657	8111701	12929358	14082973

9.992233	9	5	4	383429.8	1316156	230915	1063230	594776.5	1297000	1478840	1280413	962792.2
17.45383	6	2	4	104920.5	524789.7	171727.6	444854.1	113885.7	619186.7	644452.8	525238.2	228162.3
9.928667	8	4	4	2243651	4835425	1212806	4256030	879721.8	5229551	4265386	6758519	4260748
10.9645	9	5	4	605351.2	2694957	488971.9	2362047	706987.5	3081974	3092770	2097388	2231384
9.960467	5	3	2	478723.7	794684.8	439469.2	1197921	926636	1404674	166709.3	795932.5	857603.2
9.516467	7	4	3	411400.8	735794.7	132014.8	974445.3	578476.6	664816.3	686861	616399.6	756984.9
9.94455	10	5	3	745866.2	1753805	385383	2543797	1921827	1125205	2085968	1923747	1656227
9.983433	10	5	5	1343052	4271596	1105243	3608711	1319136	5876764	4768628	3954477	2949625
10.9645	10	5	5	317765.1	1268864	349378.3	1074570	365061.9	1621910	1545857	927975.1	870433.2
10.90765	4	1	3	156073.8	313037.8	144546.5	384604.2	116569.6	201726.7	462545.6	179125.3	246181.3
9.659033	8	5	2	408307.6	1331697	183036.5	1112355	520571.1	1074210	1518878	1277479	1289124
9.976317	10	5	5	1055408	2684438	866485.6	2278468	590598.5	2373920	2347183	1730625	4033286
9.999217	10	5	5	581442.1	2180243	492919	1820231	785310.7	2198424	2909311	1842677	1627455
10.54425	8	4	3	195007.7	802977	369309.1	632881.2	236293.6	332725.3	678569.6	1338173	934541.9
9.505267	9	4	3	1218579	8383871	1568827	6620354	4164272	9088594	9036224	7183105	6373279
9.896717	4	3	1	65650388	1.37E+08	1.77E+08	2.22E+08	1.33E+08	5629059	7579381	9274229	3.21E+08
10.93412	5	2	3	269616.2	718498	220095.8	571387.8	310602.1	503492.7	643087.2	557427.8	1027881
10.474	10	5	5	1635990	5669557	1172021	4436090	2893235	7711168	5286548	4880834	4935258
9.920517	10	5	5	846051.7	4330872	548695.7	3679070	1547443	4366342	3625564	4253797	4245707
9.460217	10	4	4	957010.6	3636641	1161539	2961405	1318664	2997476	2915895	5692350	3270303
9.8322	8	4	4	628211.6	1648052	442980.5	1298954	779360.1	2045704	2016067	1120497	1225104
10.008	9	5	4	387457.4	1010921	250690.3	836528.6	374545.6	903904.3	919768.8	970441.1	812829.2
10.95835	6	3	3	255458.8	486006.4	163146.9	391927.4	182648.6	669871.3	474115.6	613137.3	412696.3
9.903283	10	5	4	1299542	4246589	1665695	3461324	1165499	2823732	5503561	2324377	4391003
9.088183	4	3	1	303118.1	958164.6	175947.5	765548.3	454243.2	959855	659819.3	1105457	1064213
9.554967	10	4	3	371611.2	498408.7	196949.4	703709	481586.3	633415.9	734414.4	492689.9	230679.5
10.30302	10	5	5	470693.5	2206152	714402.7	2563277	594102.1	2373636	3332842	2013298	1879501
23.13167	8	4	4	384198.5	638213.6	332569.1	1354206	1748090	1177093	273037.2	505384.1	627410.6
10.21522	10	5	5	428085.2	1425625	256391.9	1758705	797108.5	1437368	1806158	1474128	1301428
9.388367	12	4	5	3007845	19750630	6474007	15885408	7699478	28217929	16749191	24207340	11801343
16.94217	7	4	2	311103.4	3902054	2354820	2830059	1446409	4658311	3395885	7589782	1928032
9.36565	4	3	1	307437.4	579550	608113.4	284443.3	466868.2	840453.9	0	0	618768.6
9.392767	7	4	3	381745.1	1194303	645018	907839.6	352791.7	1516295	757798.3	576032.8	961014.9
39.7335	8	1	4	410662.6	3887539	235591.4	4423325	1310403	3892667	3581096	4206287	3993555
10.97857	9	5	4	234099.3	761990.3	122792.9	626470.1	320218.3	801041.5	768433.7	649215.8	647703.8

9.994767	5	4	1	1267381	878399.5	570475.3	1369801	1120989	563493.7	731441.4	1872107	451044
10.97857	10	5	4	240962.5	823775.7	252134.6	1047689	513769.7	728902.9	829866.4	1192850	870381.1
9.970617	4	4	0	1028081	2485812	1549443	3351699	1643061	5069027	2743896	1827358	1548528
9.445217	10	5	4	10427671	14556720	4629695	43878970	72315348	20182444	17364491	15525710	10584058
10.50412	3	0	3	3149167	7290312	2642982	15421458	19978472	10359429	3219848	8261777	8015558
10.95835	10	5	5	501276.6	1979687	473977.9	1714292	504718	2444751	2404554	1487080	1480835
10.008	8	4	4	2896312	1171963	643443.6	2886229	4205826	959440.9	332266	2095168	1386789
9.960467	9	4	5	555245.9	1493713	491107.2	1249956	402456	2134544	857848.8	1802176	1284609
9.858833	10	5	5	9041700	22389693	3609537	32964336	25983834	22433482	19981041	27264449	24249108
9.992233	9	5	4	549150.1	891688.7	148990.9	1087189	468954.4	905409.4	998342.6	881824.8	647984.2
9.616167	8	4	4	399562	1693854	656611.2	1336139	664091.8	2770493	1251455	1179756	1412231
11.45398	6	3	3	91442.64	274931.7	66727.52	244387.2	42234.45	232428.9	386501.4	256094.1	280959.1
9.856867	10	5	5	18194318	93401977	8918356	1.03E+08	22124412	1.03E+08	93934098	78947526	94814619
9.992233	5	3	2	580467.3	913591.3	487303.1	578473.5	719084.4	1203304	1500661	973521.7	246531
12.00767	10	5	5	247632.7	645508.5	181892.4	964686.6	776626.4	743595.9	909525.6	520581.4	458802.8
18.45683	8	5	3	500674	3207710	598679.7	4675600	3602612	4015167	3109752	2465038	2892653
9.976317	7	3	4	1342804	1752142	967988.6	1272914	791005.9	911128.6	3384676	1487604	1199945
9.992233	6	3	3	1850030	2635032	2928051	1387238	1229991	533507.7	621606.9	6905658	611263.3
29.76167	5	3	2	413662.2	1496713	1733651	2357345	1426945	3133822	171508.2	285656.3	3636702
37.14417	8	5	3	732996	13066569	906486.3	12684172	344551.4	13251872	11950252	12343440	13653473
9.840617	7	2	3	666725.2	611940.9	114453	921724.7	761876.6	571282.8	781800.4	465803.6	606389.1
36.95717	4	3	0	388553.9	4543598	396274.1	4376954	145596.2	4598384	4563622	4554421	5057982
10.97857	7	3	4	195739	749398.4	243032.7	936559.3	417576.4	699125.8	999917.9	713204	387903.3
9.94455	5	2	3	840586.4	1009812	493206	1312444	616721.2	1323371	1443837	1317368	614646
9.014483	7	4	3	3236838	10776766	5200441	7668220	6234288	11768019	17307735	11561326	10459084
10.97857	10	5	5	483804.8	1484841	389311.5	1767770	620846.9	1453162	2150844	1269164	1158171
22.727	6	3	3	333568.9	2067233	763693.1	1617812	892398.8	1386624	2118431	1397169	2181361
12.39797	9	4	5	242041.5	1061548	273939.3	878657.2	388882.7	1456781	1036914	995065.7	694209.2
9.992233	10	5	5	870621.6	2697728	436723	2338169	815826.9	3151402	2747353	3068947	2129261
24.609	6	3	3	39182.66	88361.71	54178.32	128941.4	89982.63	153103.1	62699.02	124381.6	13571.3
10.9645	10	5	5	1528976	7197990	1366601	6326428	1816792	8473793	8477366	5656425	5880077
24.06667	7	4	3	123664.1	291646.4	100379.1	453150.5	392950.8	360418.2	248641.2	167321.6	259037.6
18.96583	10	5	5	12295775	1.03E+08	17144944	95178037	12496279	1.13E+08	1.18E+08	84495369	84778103
10.97857	6	4	2	354771.1	739648.5	470955.1	995115.3	475482.8	1446639	182211.5	755075.5	479991.8
9.4925	10	3	5	747740.1	5635935	1460419	4661134	2075978	4459655	3818578	6106532	7366790

12.31038	3	3	0	60193.94	204191.7	93838.33	158227.6	74995.63	126963	98510.6	204997.3	322704.1
9.445217	14	5	5	4609379	42705382	8872739	38030282	8444198	36450032	50354115	53517874	33006069
9.3735	5	1	3	523536.8	285963.2	531720.7	580642.3	559765.1	206186.5	0	0	0
9.092333	5	3	2	575649.4	1951835	1437056	1269609	1048197	498649.6	1304922	2210950	1463688
9.904767	4	1	3	1090954	1013970	322093.2	1446488	1043341	1173218	612463.9	1334101	1222917
40.03567	4	0	3	273034	4447378	129367.3	4799457	868073.9	4586968	4395562	4585472	4344323
9.8445	10	5	5	3514881	14656338	2151631	13112057	3382188	17508483	16356168	13752509	12726125
9.976317	10	5	5	1579078	6094003	1090283	5083223	2350051	6644841	7231982	5609125	4444034
17.2485	3	3	0	1072564	7627102	3506166	5758383	3422194	3493884	12197522	7263987	5237828
9.527817	8	5	3	1009545	2226693	112983.4	1851500	927356.6	2143112	2352859	2329192	2213843
7.2228	5	2	3	103623	609025.4	206717	457336.3	334789.3	730567.4	509334.5	351140.9	566019.4
9.856867	7	4	3	1416193	1808796	536181.5	2997681	2923206	2111442	1267127	2229387	2252606
9.976317	10	5	5	1188606	4239463	811848.8	3676743	1218169	4623572	5312107	3816589	3163500
9.920517	9	4	5	2920173	11745209	6783569	8964828	1663529	8992067	5146303	11185669	10239228
30.209	5	3	2	93950.46	401538.2	246369.8	293483	129867.5	689046.3	640845.8	231692.6	151283.4
9.713983	6	3	2	4763188	7426736	6664139	4405074	4130708	10224951	447181	16604805	8419662
9.362817	7	3	4	579318.9	4576340	725201.5	3788976	1869072	5447559	3459880	4468960	4642060
9.206	5	3	1	1888571	9254019	7784430	13684725	8620938	18397458	1008467	16710037	4682276
10.94443	5	3	2	242712.6	464149.4	75095.03	578895.2	279006.5	436006	575788.4	491671.1	443150.7
9.976317	12	5	5	8132663	20936792	6611218	17604144	5706519	24719236	30647348	17388936	17411773
41.9045	5	1	3	440284.4	6294859	359479.5	7114966	2018934	5789247	6709648	6367296	6508739
41.8915	6	3	3	280458.6	4594212	408459.8	3774870	2011818	4284451	4214403	5232365	4716331
9.960467	9	5	4	1615705	1645479	410849.8	2158513	1234330	2108312	2045478	1544255	1283506
9.929783	6	4	2	709411.8	1544228	166972	1311021	565192.4	1551893	1718681	1276614	1533340
33.74517	10	5	5	408061.3	2464260	761776.4	2143818	295357	3381285	2447947	1357200	2908857
9.567617	11	4	5	2964202	10316508	13713504	4756847	2318804	7118739	5982541	2644784	34483319
31.36383	4	3	1	88452.3	401083.8	106439.6	356241.9	41970.75	580311.1	376376.3	309999.5	403102.3
7.488017	10	4	3	27256060	3.77E+08	2.7E+08	2.65E+08	88123843	7.66E+08	2.08E+08	5.58E+08	1.7E+08
9.329083	8	4	4	988207.6	5661631	2479480	4242188	2781271	1624042	5484743	5954839	8114057
10.95835	10	5	5	193957.9	1015159	407018.2	824939.6	284723.8	1477484	1086244	620272.5	572850.2
9.979667	9	5	4	1298812	1244993	517807.2	1654457	925244.1	2117775	1237237	1111830	766934
9.559117	9	5	4	403703.9	962176.9	223399.8	781332.9	411091.8	978842.7	1247735	827035.3	671769.5
9.30295	11	5	5	825983.1	6658725	2372881	7652484	886538.8	5998614	10281466	5685732	3926637
9.992233	10	5	5	1490254	4586334	1373847	3668002	1967040	4150642	6943873	4353335	3340906
9.960467	5	3	2	683545.3	1125751	496366.5	834411.5	582153.8	1699256	1216193	1481927	590730.4

42.251	5	3	1	338770.4	7034967	3298832	5613977	1580350	12285739	6432258	6669860	6666922
22.0635	7	4	3	259509.5	1204939	512785.8	993792.7	149507.2	824403.3	2086104	1193731	1033193
9.975217	10	5	5	4486713	8430493	1134516	6649394	4347986	9850431	7789905	9039163	8569593
9.445217	13	5	5	10899182	56812194	15338530	47605686	18671272	43730566	49145258	56424141	82995274
9.856867	7	4	3	1119408	1715537	811841.9	2586381	2071261	1119991	1915470	2712418	2145372
10.008	9	5	4	358657.1	1024562	275435.9	818769.2	458581.5	970483.8	1292919	699512.4	838361.8
10.00998	10	5	5	482593.7	793906.6	330747.4	1042082	553897.4	938374.2	1271391	786054.5	493657
9.4468	6	2	4	752772.9	5777712	2407607	4526779	2243535	5963275	6589729	7036659	7679429
9.473717	6	3	3	525720.8	3837052	1182693	3001597	1830519	5928270	3597334	3161307	3340171
9.960817	10	4	5	23016688	39400527	67433970	12161585	10599409	1.6E+08	7922330	11110187	11788266
9.949233	9	5	4	951390.3	2893520	502703.3	2326447	1357157	2883978	2971785	2522397	2403951
9.856867	10	5	5	1311507	2046251	502202.2	3396465	3345241	1765233	2584974	1463142	1857760
10.0044	10	5	4	2020834	5549250	2979370	4318446	946456.7	5930379	2242240	3196916	6613276
9.507167	11	4	5	931369.1	6913090	3120796	5153455	3424360	6191643	2950436	11663566	6592565
10.93618	7	4	3	261903.3	617442	180426.7	730593.3	235880	907296.5	622724.2	419810.6	603038.6
9.999	5	3	2	1233224	578857.7	323072.1	1382668	1990132	647466.8	176154.3	918774.4	835816.5
9.40615	9	5	4	804469.8	1975066	637027.9	1518027	1007788	2633461	2701371	1429262	1476753
9.853633	7	4	3	1071701	4125258	1764946	3181883	1750591	2455789	2649435	3584435	6420392
9.976317	10	5	5	1366112	6774322	1142434	6178543	1076390	7429637	8008806	7077256	5056897
9.976317	9	5	4	3322800	2318221	802384.8	4566511	5576701	2935667	2434341	3158792	1873975
9.986767	10	5	5	2111356	2626320	1310147	4050265	3398345	3599116	3695615	3436878	1358759
9.872883	10	5	5	4023036	27760682	3252064	24274100	8311527	25745835	24615392	26781282	28763444
44.2215	7	4	2	259688.6	3279939	2005603	2445387	715160.1	1682667	6785036	2485012	2695209
26.08067	10	5	5	3597127	44558208	18591342	34716346	18102829	32315081	58061155	20566738	45522746
9.992233	10	5	5	1184533	3878934	953080.5	3323716	1109127	3621919	5404514	4087585	2910783
9.457083	4	3	1	1453232	3228117	3514120	4980790	2992718	765156.3	405657.7	935522.9	6182091
9.960467	12	5	4	760403.1	2984214	1244944	2212189	1603022	2940120	1241277	2902287	3080076
10.02372	7	4	3	297540.8	506058.8	296227.7	692870.3	391649.9	536612.7	26890.24	738941.7	760490
10.90553	4	1	3	239944.1	492272.2	95156.68	575727.5	193745.3	428880.8	512776	389222.8	492741.4
9.243433	7	3	4	20390378	1.14E+08	1.26E+08	58585322	72121149	2.78E+08	30585325	20975765	2.22E+08
39.12933	8	2	3	334135.2	5627056	933939.9	6401101	1777520	6368407	6302455	4511630	6248935
9.983433	7	4	3	435020.6	1068234	343198.2	808017.6	584857.5	1489832	1170657	1215783	865925.5
11.01378	5	3	2	242367.7	752679.3	351022.9	997026	534610.5	1151883	570827.5	336041.2	1083612
9.3907	5	2	3	3089723	16562744	13819354	10036241	10151604	2218921	19316577	2330261	32176351
9.1172	6	2	3	821808	1195573	493520.6	2333244	2819667	1672897	1445111	1532320	714330.6

9.061	9	4	5	628149.1	2461515	1256545	1683531	1616811	2124629	4389540	2775670	2043229
9.992233	10	5	5	805180.8	2709901	384014.8	2352123	839577.1	3105200	2896965	2941971	2221723
28.52417	5	2	3	288654.4	1391330	1016733	851626.7	999702	2072287	332820.8	2225875	227430.7
9.348233	5	3	2	335715.3	638276.4	509504.4	373975.4	477316.3	1214496	1017856	708054.7	250974.7
9.848417	9	5	4	1079438	5111793	1335529	4055905	2402033	4312664	4519726	4116795	5230546
34.50717	8	4	4	1477504	4208022	1344965	8636443	11033788	5937670	4427560	2362036	4782063
9.848417	8	4	4	3177336	8977486	2462912	7437994	3219699	7986518	5135620	11285061	10305010
9.473733	7	3	4	732648.4	1377629	724367.1	1030066	559922.5	1554993	2153260	204060.7	1308780
44.32217	8	2	3	285696.4	3797232	1025185	3288321	867851.1	3459181	2991703	3512156	3430111
10.01837	8	4	4	677735.9	609382.4	248247.9	1079908	1162659	393574.4	600453.4	939316.2	763503.2
10.008	9	5	4	335098.4	872621.3	235184.2	978537.8	146576	934085.8	965056.9	738124.4	554175.1
9.9677	10	5	5	3766040	15228068	2588395	13052032	5022246	16691150	17745022	13871441	11362748
9.4775	8	5	3	837496.1	5172914	5619659	2917473	742980.2	3559671	2052013	1633589	15107395
9.856867	10	5	5	1.36E+08	7.69E+08	1.64E+08	6.65E+08	2.17E+08	6.81E+08	7.83E+08	5.62E+08	8.13E+08
9.8445	4	1	3	9043305	26198730	16190312	17280591	17146096	40949411	9749448	35532484	7480203
10.97857	9	5	4	676467.2	1537373	204100.8	2164970	1564521	1525176	1410755	1892087	1403744
9.842	8	5	3	1731206	2643267	678778.7	3612698	2371081	3553559	3063284	2302210	2489442
44.03467	20	5	5	323463	4148251	826493.8	3620745	1116474	3984368	4827535	2778620	4616242
9.38595	5	2	3	1280038	924267.7	389572.3	3006701	5210505	666791.6	471958.1	847893.7	1420624
9.43325	11	5	4	2514675	11803624	6697643	17218816	12410681	18207903	14011504	15798132	9866299
9.872883	5	2	3	57545112	3.08E+08	2.8E+08	1.7E+08	2.31E+08	5.08E+08	2264788	5.36E+08	4.93E+08
10.9645	10	5	5	548789.6	2046847	446771.2	1780791	542657.3	2584529	2376345	1676524	1533679
9.3494	5	2	3	317023.4	1517986	993792.6	1063781	659467.5	2460348	711419.9	2689694	1167725
9.8322	9	5	4	997250.3	4612778	806951.6	3841067	1823104	4993731	4934893	3707430	3843377
9.295167	5	2	3	523264.3	4135229	1064890	3263154	2005020	4864649	2923686	5245260	4565175
9.976317	5	3	2	1391332	886033.8	548937.2	1551610	1612485	1155645	1541067	1078129	474489.2
44.351	3	0	3	354865.5	4156397	106916	3889524	664258.4	4174962	3989340	4191671	4283070
10.00998	7	1	3	1709265	3751506	2532761	2567248	1819832	6455141	1854332	5798160	523326.8
24.47783	10	5	5	1207602	7222887	593691.6	6637666	1388638	6841131	8234339	6799283	7262017
10.9645	10	5	5	536040	2278724	625602.2	1982249	469126.3	2863805	2887983	1661119	1600325
10.9645	10	5	5	498307.7	2275214	494916.4	1979877	603728.5	2798939	2710348	1796197	1742413
9.992233	9	5	4	315547.1	918217.5	159302.6	748401.2	406917.9	895161.5	1106450	934496.5	671255.5
24.856	4	4	0	16569118	1.17E+08	32290361	1E+08	30556276	1.54E+08	1.07E+08	1.46E+08	76603622
9.880683	5	3	2	705820.4	2163923	871197.1	1546940	1364788	2622301	1299193	2402177	1246180
41.93483	7	2	3	362737.8	5264392	1149731	8626466	8391210	6249448	6032636	6016980	3909314

9.460217	8	4	4	492337.5	2678695	1114944	1926601	1634479	3012577	4298133	2734269	2003956
9.859983	7	3	4	828678.8	2293759	843485.6	2870763	1260888	1326466	1444018	3050230	2987611
21.57383	10	5	5	9700164	15077399	10270617	29581029	35521386	29179952	11153900	22268141	7990107
40.40967	5	2	3	459232.3	7126878	1179469	7834767	1453421	7319518	7799617	7567071	7893399
9.920517	10	5	5	9265245	46619817	3869749	42138986	10826648	50169021	42588404	43538134	51158870
9.4468	12	5	5	911746.4	4584687	628969.1	3682945	2210569	3999310	4804205	5559107	4449053
9.992233	9	5	4	1236747	2459681	497235.1	3083161	1516067	2823251	2895345	2284206	1677879
10.9645	8	3	5	321840	915887.4	439049	1159432	473000.3	1562093	1054748	770902	363124.1
9.848417	10	5	5	11821816	35916245	4321162	42507959	16210509	38887665	36887517	39706849	35262574
18.64583	9	5	4	58738.26	197404	63359.56	170488.8	29161.27	284425.6	213617.6	144237.6	126861.5
9.5021	10	5	5	1651746	3927514	733714.6	3193472	1747844	4509696	4907926	3368086	3562081
17.545	10	5	5	2099856	12973439	1737229	11731241	2760198	10728884	14383242	11526467	14532287
9.507167	15	5	5	11020477	33975239	18941431	57207452	56437715	36994361	2573528	32851184	47435493
31.17617	8	4	4	234901.3	2013653	675103.6	1707082	440346.1	1030133	1876654	1862597	2596014
9.398583	8	4	2	328510	1634584	677463.4	1242968	785765.1	1607588	1214578	2668271	884029.8
9.992233	9	5	4	506628.2	968950	378985.2	1174435	391633.6	907913.7	1592123	941520.7	562419.7
10.9645	9	5	4	785341.4	2801270	459196.2	2318878	1155645	3345275	3045770	2163115	2540115
9.445217	9	5	4	762572.8	5482996	2130734	4186299	2687982	7295276	8255071	3651469	3951927
9.445217	5	2	3	6653022	43231442	23079029	32822219	14673268	57194146	7976473	31831829	55811374
9.264333	5	2	3	883543.9	1062936	588683.9	3234957	5439768	778235.4	309926.6	1269590	1896845
9.992233	9	5	4	717552.9	2337581	438053.6	1866337	1132223	2883872	2466093	2267937	1671232
16.50567	10	5	5	420172.6	3297358	700099.4	3665540	681303.9	3222556	2297933	3434116	3267103
9.983433	10	5	5	2032744	6648652	1336719	5481741	2725283	7165726	7907514	5502706	4958243
9.830833	5	2	3	2243332	1559305	531326.4	3371509	4538650	994632.9	1294459	1312860	1872954
24.609	10	5	5	979707.7	3019481	878943.8	3602091	1260614	4161533	3729263	2532048	2098840
9.970617	6	3	3	875660.5	1207676	531970.4	2116467	2248381	1720614	738405.7	883341.4	1850041
9.928667	10	5	5	1217929	5523976	1724379	4375288	2490704	6283949	4105135	3464858	6055451
8.8696	10	5	5	738690.6	3777873	867084.5	3127858	1467317	3663087	5167012	3593839	2765705
9.976317	6	3	3	654022.1	1469003	782025.6	1871409	727548.8	1177034	570218.2	2033473	1061569
9.842	10	5	5	2907366	5708202	2143742	4636966	1865776	7864534	7856519	4319677	3038200
10.10793	11	5	5	583673.9	1775396	689658.1	1436213	577274.3	2216943	2769241	1420502	1306337
9.845483	6	3	3	1706450	2086252	467935.5	1624528	1099650	2797599	1832334	1666136	1814445
40.53917	9	4	4	345619.8	4725047	1677505	5743592	2113146	2889797	6673024	4556873	6178166
9.992233	10	5	5	1198450	3822006	685793.1	3221271	1405298	4511806	4445021	3893899	2966246
9.88815	9	4	3	6428363	4157936	2869487	7079902	6988057	4300627	2190028	9030874	2062687

44.9835	10	3	4	372199.6	6469923	2404799	5472783	906929.9	3985374	5470090	10307199	5527766
19.44583	9	4	5	102003.3	376228.6	96713.89	301004.6	171654.6	494750	414872.8	367040	228617.5
9.983433	10	5	5	1504651	6061481	906303.9	5138955	2206742	6450670	7012251	5538380	4752260
9.419733	3	3	0	758085.8	2428854	719276.2	1816327	1426067	2583965	1920002	2567468	3470252
8.97505	10	5	5	1056034	4192632	827252.3	3831267	458923.4	5101711	3737414	4184323	3074198
10.008	8	4	4	344983.4	784361.2	396008.3	949614.8	160310.8	1065216	110126.2	1059568	768960.2
9.976317	7	3	4	1621547	3447239	2875811	2195187	1570724	1274536	1392698	1552624	7459809
11.23632	8	4	3	251193.5	598098.2	327841.9	437772.7	271305.5	845789.9	961350	614086.5	425771.8
9.842	9	5	4	1950767	6055968	1652199	5177584	1651474	7723344	7652082	4722109	4103629
9.976317	10	5	4	1528270	4522691	2047260	3613638	1234497	3909105	1778798	3830728	6848966
23.4215	10	5	5	211428.5	1309617	319484.9	1010089	709810.8	1756388	1142616	1417313	898944.7
28.1425	8	4	4	48179.73	209497.1	97678.41	268443.6	122251.9	275556.5	172313.5	205952.5	70173.69
10.9645	10	5	5	404182.2	1192983	525323.9	1465921	501676.1	1890586	1571772	1050900	818231.5
9.976317	7	4	3	2312127	796470.9	234393.2	1618299	2064565	1022546	1071725	660622.1	675547.2
9.94455	9	5	4	863699.6	2427167	565176.6	1976471	1036964	3090430	2922235	1800395	1990263
12.04982	3	3	0	241436.2	1060314	617428.9	1328106	333036	1509553	1460187	693404.2	143832.1
9.343517	9	4	5	5619603	14609440	8818537	23506725	21307509	8977445	18252878	27430060	13832229
9.992233	5	3	2	869658.3	529460.2	417572.2	1037832	1239832	621169.6	1129271	582262.3	0
44.83983	5	3	2	219535.4	2817555	37132.83	2857355	95982.55	2868563	2813075	2827030	2764699
42.56767	6	3	3	338377.9	5465148	2228150	4532623	944092	4442412	4262009	4462742	9440364
9.983433	4	1	3	519564.2	372885.6	167786.1	758966.1	965915	333101.1	301642.7	592283.8	479856.3
22.33567	6	4	2	109505.5	321793.5	35886.4	267488.4	134211.1	336483.7	319993	273182	308580.5
9.992233	9	5	4	926369.5	2992745	511200.3	2421294	1384671	3545665	3012447	2946836	2182409
9.845483	9	5	4	1493290	7133589	1427748	5611016	3673604	6788887	6811094	5597370	6981592
9.979667	11	5	5	1519590	1853872	506397.8	2908625	2635912	2158712	2259072	2223350	1471349
18.982	5	2	3	39435572	95901002	89793910	52770581	71347607	1.71E+08	1.82E+08	139924.4	1.25E+08
10.008	14	5	5	1096788	2028521	568264.6	2606776	1388880	2188081	2675162	2342378	1715799
20.97733	6	4	2	51437.33	202968.1	52384.28	176056.7	49046.9	157549	285590.9	222009.1	183293.7
35.18167	8	4	4	3019610	7174266	9003982	3519226	2652438	1628812	2458004	874691.9	22327638
31.50833	7	4	3	1033946	6628734	6859684	3833010	2168258	422437.5	3988766	2074659	17341966
9.514333	4	3	1	664696.8	898433.7	455821.3	538344.8	828963.6	1158409	627126.4	1577227	508200.9
9.920517	9	4	4	2532588	3297911	3985837	1715066	458109.4	1285874	10360342	1007961	1385014
9.473717	7	3	3	839620.1	2281727	1068439	3634033	3314484	1413493	1745133	3865679	1485222
9.94455	9	5	4	6282248	20606049	3951187	17841544	6148448	23467805	20753589	15914530	17522189
10.008	8	5	3	312624.1	682959.4	139860.7	592374.9	195480.5	801635.1	633621.2	850483.4	617490.7



10.95602	5	2	3	1185298	2886686	1293347	2202259	1289435	3242400	4754031	1959736	1408482
9.392767	8	4	4	737391.2	1510440	525043.4	1161841	760397	1901812	1771279	955979.3	928052.9
9.514733	8	4	4	1732152	5647032	4661042	7724078	2891940	10713974	2134395	10344134	612674.1
10.01837	11	5	5	1876749	7050640	684015.9	9544574	6285728	7725819	7442010	7455930	6401504
9.976317	9	5	4	734106.6	1340235	229302.2	1744668	1007634	1542601	1399593	1557320	1146032
9.13445	5	3	2	1310622	670246	314149.8	2095968	3598269	677574.7	610879.2	396105.8	470820.7
10.95055	10	5	5	1130125	7324659	1410062	6531171	1579090	8118729	8998838	5955679	5764735
37.41717	5	1	3	316665.8	3551165	1543765	4200557	696390	4229737	4256846	4397802	4074189
9.960467	9	5	4	1761000	6601151	951442.8	5726676	2074365	6470729	8196943	5984851	5778415
28.17083	8	4	4	1561370	24544005	5870164	22025861	3023704	33147481	20587056	19183132	27996657
10.9645	10	5	5	500640.1	2355734	570276.8	2057838	554670.4	2912022	2879534	1785109	1739305
9.379233	9	5	4	1339236	4104874	1652303	3133184	1996157	4647235	1528641	3626569	4810961
9.992233	9	4	5	546005.8	1224843	579011.4	1507323	482102.2	1483259	1949767	1427181	582670.5
9.842	9	5	4	2471800	4810099	1861636	3810571	1914937	6144530	7068092	3349554	2608845
9.912633	10	5	5	5272115	10278628	1976198	8527475	4133523	10740802	9895780	7480194	10271937
20.888	10	5	5	2828529	14661973	2282650	12680386	4660781	16169805	16000435	12273261	12091571
44.89233	10	5	5	455264.7	4700692	376115.9	4175650	1297379	4624891	4818993	4208430	5243886
35.43067	10	5	5	3066380	60038375	9474562	55526901	7402430	54113126	74402542	64451706	50822642
9.250817	4	3	1	822285.1	468321.4	337751.9	1024629	1385324	580584.9	863396.7	632567.8	265057.8
9.976317	8	4	4	1087927	1865980	844180.6	2500689	1447388	2381843	3004737	1039246	1813628
9.45945	11	5	5	784647.9	2751491	1704226	3580815	1412956	3790036	5213307	1237073	1432194
43.6465	10	2	3	278245.8	3196910	858622.8	2594126	1346488	4488334	2655155	2541576	2623556
9.992233	11	5	5	1245162	2233738	558241	3235718	2502697	2654434	2771445	2467857	1552178
39.23017	4	3	1	828171.9	10977432	6982113	14442645	6081301	17945259	5140872	5470822	7144762
9.445217	6	2	3	1629412	8258668	3310663	5760423	5704279	9334896	4506118	9882107	5220547
9.845483	5	2	3	13897499	14406535	22035733	5406809	7507174	4660254	53631914	8139326	2804410
21.051	10	5	5	617540.4	3577387	1061421	2874253	1537743	5070199	3491904	3660351	2072869
9.864767	10	5	5	41128812	1.77E+08	9967431	2.03E+08	65693988	1.86E+08	1.74E+08	1.86E+08	1.78E+08
44.66733	6	3	1	421162.3	6960131	2125463	7832765	778262	8847702	4259166	8400930	8217972
9.994767	14	5	5	636682.4	1286495	428663.4	1762879	1159597	1105187	1976658	970175	1421762
9.933967	7	4	3	1642764	3661917	211015.3	4358917	1760595	3308461	3644625	3813497	3717250
19.84017	6	3	3	892542.4	568318.6	542538.4	1404368	2078723	141540.8	255213.2	1346442	930649.5
17.32833	8	5	3	162218.7	655992.9	277637.3	822304.6	346672.3	666646.1	229927.8	988083	778058.8
42.68283	7	2	5	399170	5753698	2791770	7696351	4333244	7060559	7189673	6740452	7009593
11.38433	6	3	3	84969.95	297118.8	27945.49	263737.9	81795.21	277994.2	261547.9	313573.7	300573.6

9.999217	4	1	3	426917.4	705932.4	422524.4	507316.9	319559.4	1059672	86590.5	804943	1090651
9.94455	5	2	3	1482131	3625785	2235274	2533015	1881489	1808616	1249974	6867701	3905180
9.960467	10	5	5	1029523	2455528	454777.6	2170806	608097.5	2464719	3173663	2494046	1981102
9.5876	4	1	3	143273.4	377497.9	122181.7	319468.6	95267.34	436689.1	179723.3	445646.1	342109.8
9.8445	9	5	4	1518400	3810546	333629.5	4510351	1757704	3774174	3720041	4362365	3741130
10.97857	10	5	5	3086434	4105330	1206822	7363825	8219593	3569103	5603964	4688164	4270433
44.50933	6	3	1	228422.9	3269590	1558067	3883786	76179.78	2393459	964679.1	4235719	4027947
9.960467	10	5	5	11899916	10009518	2403520	17392357	18657326	12419528	10725662	11684359	8717341
9.904767	10	5	5	3444101	16294765	3237824	13032088	7870507	15144283	14810421	13370470	16390696
9.928667	7	3	4	778179.3	1937762	520849.7	1617748	677569.7	2513294	2269237	1603904	1222053
10.70315	10	5	5	4087649	18486335	3449350	15760787	6311691	22033356	20509345	14935105	14624818
9.842	6	2	4	704530.1	1395838	873684.2	1755216	333107.2	2412169	0	1430224	1493336
25.39233	10	5	5	233106.1	1482762	558290.2	1233575	355037.5	1129850	2461034	1300638	1131162
19.05333	8	4	4	232088.6	1513851	367619.9	1301529	433653.7	1704639	1193401	1964286	1082217
43.445	10	5	4	288937.8	4993346	1711841	4245735	992029	5706876	2695614	4011135	7191684
9.848417	9	5	4	1539981	5875633	1466029	5015905	1773630	6069705	6739910	4010523	4863340
9.94455	5	3	2	1026572	1760447	509712.7	1473587	575786.5	2056303	2086620	2243668	1185249
10.95055	10	5	5	393657.1	2233296	689070.8	1907969	530945.6	2986867	2609216	1550419	1451404
9.94405	10	4	4	1820897	1597636	422015	2546177	2390285	1471708	2121160	975773.6	1782539
9.40255	8	4	4	1754411	3291537	1086962	2660561	1294552	4686024	3797462	1762644	2861991
21.21	9	4	5	92849.84	382836	97010.56	442023.4	125085.9	342009.3	517882.3	321370.1	448390.1
9.523383	12	5	4	3129901	23676217	5047482	19550872	9639363	30477143	25629055	19259922	18121359
10.86045	9	5	4	866556.7	1932348	610733.6	2639678	1733080	2343175	2656615	1968687	1110843
9.536783	8	4	4	646376.7	1134699	477711.3	928741.4	261090.2	1594764	1660222	549385.8	900663.6
11.22153	11	5	5	366076.2	1294415	373897.9	1030427	593974.8	1112589	1786945	1288803	797645.9
9.848417	9	5	4	5732221	28691748	5825136	22939392	13875656	28903163	28771516	21484895	26680312
10.99268	9	4	5	699877.4	1566145	686491.3	2230988	1599994	1068804	2669671	1162644	1808757
9.983433	10	5	5	3148053	11067250	2750597	8938975	4917041	13461870	13084377	9041773	7275035
9.43325	5	3	2	2258313	7015836	3753126	9447464	5301550	1847258	10283340	11068878	6264204
9.952017	10	5	5	2909696	11151638	1899017	10165117	1849910	13728167	12486057	10621417	9390222
8.842333	5	3	2	317115.3	712989.1	275812.6	931361.4	507676.2	642333.6	984717.8	850101.5	817279.9
9.406667	6	3	3	614638.8	1932754	1170478	2609540	1388864	3506887	2736616	1671118	719589.4
10.03947	8	5	3	193784.3	463126.8	107569.8	397414.5	139337.9	356598.4	516525.2	397783.5	624338.1
9.979667	9	5	4	1070854	3604337	764821.2	2924476	1617047	4372501	3954749	3139763	2503626
9.992233	7	4	3	774735.3	959381.3	420729.2	1370926	992689.9	1028386	1343734	1355427	672464.9

9.857683	7	3	4	1238551	8121636	1397751	6992959	2636797	6995654	9726266	7564327	6808475
9.856867	10	5	5	3397931	21844462	2390165	18978645	7056564	21783709	21474186	19015706	21306890
9.842	9	5	4	1731206	6503774	1203393	5365589	2733906	6811462	7263039	4893219	5684744
9.946467	10	5	5	2890019	4185230	1106434	5663328	3666672	5455675	5076592	4228665	3248146
9.1445	3	3	0	879686.2	2913217	1058148	3853408	2237182	2008132	3235824	4394746	3155204
9.5021	15	5	5	3127995	23794460	2861079	26580355	6718899	22749004	24323651	19445865	25667264
9.870017	8	4	4	868625.7	1817698	402988.8	1618416	352687.7	2108697	1108521	1965723	1910442
9.972483	7	3	4	1925697	2618306	1699532	1870266	1034955	4750815	2869921	1019815	3653591
9.475667	7	3	3	568191.9	1464147	989886.5	959297.1	929563	2854713	1066691	867286.5	431424.2
9.845483	5	2	3	1090319	2547890	956739.1	1966460	1231302	3286325	1067446	3439698	2230238
9.960817	9	5	4	1882710	7202454	837574	6572122	1449064	8333192	6160593	6644695	7539505
9.573333	10	5	5	2362935	7770078	1513828	6704213	2403695	8888816	9037197	6129094	6105494
43.76167	10	4	4	363270.9	5580238	2265628	7778277	5304809	6285290	7657700	7409042	4208038
9.972483	11	5	4	5169925	10524390	3370323	8590252	3961158	13187491	6136940	7716002	12107171
24.68	8	4	4	209491.2	981572.3	362022.5	689866	682449.1	923968.6	1198361	536553.4	1467296
9.77355	6	1	4	608234.8	1070644	460469.3	1278872	313168.8	1274897	296359.1	1413031	1005929
21.91383	5	2	3	545427	4871969	928815.2	4026538	2023369	5512138	3620917	4258619	5902578
9.94455	10	5	5	5149797	19171131	3789319	17436539	2687261	24166937	22130606	17672694	15382144
21.1525	10	5	5	1454048	4185028	775531.3	4695226	1124122	3454976	5168708	4832347	3534159
21.22733	3	0	3	81838.95	134642.1	48927.9	164097.5	62213.38	111002.7	70672.14	129077.3	197859.2
9.43325	5	2	3	858196.7	5321626	3178677	3686766	3051080	7366989	2221922	7874722	7653062
9.346	8	5	3	1601580	7868778	4268823	5789629	3619094	6155938	1458411	10989707	12188319
21.57383	6	4	2	79137.95	357757.7	90570.15	275765.8	196306.3	402509.6	359284.5	337289.1	222266.5
9.856867	10	5	5	3510552	10717032	633540.6	12384138	4233780	10495269	10913095	11246772	11210070
40.49617	11	5	2	299797.8	4728302	2915719	3577246	518670.4	3431002	9886303	2741431	3706423
10.9645	10	5	5	383316.9	1754015	440103	1547426	338812.9	2164911	2230329	1336469	1301910
44.96917	10	4	3	340401.9	4793167	2451213	3684377	1679944	4276423	973481.3	4861260	7104501
37.7915	4	1	3	270329.6	3575531	195720.8	3468851	211021.3	3547986	3794773	3632538	3638561
9.43325	6	5	1	670546.4	4166955	860953.4	3363405	1935115	4895701	3750948	4792146	4543598
10.98605	3	0	3	338866.4	1029329	246852.6	914642.1	184857.4	1183507	1341724	759207.9	808381
9.888767	10	5	5	4014883	18296235	5328141	15603696	4946477	10046215	18248919	17798229	20882245
35.45383	5	2	3	131527	534369.8	258915.2	420558.4	159592.5	730577.2	461933.6	170192.6	831888.2
8.981583	3	3	0	184753.4	308491.3	201658.2	195028.3	230448.3	194072.3	621743.3	158115.8	166664.1
9.845483	5	3	2	509624.4	1593505	795767.1	1203325	689529	1917049	201436.2	2093229	1679215
9.864767	10	5	5	5365828	27276896	8742500	23610732	4211940	26216710	20597972	22750523	42472864

9.508883	5	2	3	761325.1	2203004	659012.9	1753046	1009440	2818044	1629126	1387297	2769502
9.915583	10	5	4	1224230	3165021	1018858	2668101	872030.6	2490085	4173500	2255002	2535264
9.4098	10	3	4	13544292	51235000	61790456	23904142	39179351	7097463	9863976	2247213	1.09E+08
12.09287	4	3	1	88080.48	178020.4	47012.56	218330.3	95915.78	181192.3	104120.9	192177.4	178296.7
10.008	7	4	3	742827.2	650010.5	373781.2	1105101	1128606	949831.9	112710.8	1000352	753512.9
9.94455	9	5	4	1319586	3423106	1222930	2923682	475052.2	4677262	4370902	2280459	1986729
9.983433	10	5	5	2284219	8304896	1944972	7083639	2649493	10457129	9889228	7598018	5585837
22.58033	8	4	4	113214.3	346556.6	154191.7	281035.5	81034.3	390712.8	335806.5	215901.6	206454.4
9.859983	10	5	5	1.07E+08	2.36E+08	28081390	3.47E+08	2.84E+08	2.51E+08	2.26E+08	2.7E+08	2.39E+08
9.4925	8	3	4	1126511	4171895	2770759	3038805	1094050	7928503	1284780	4347317	1689312
9.999217	6	2	4	411319.8	623995.1	334067.6	806441.5	362915.9	666468	821283.6	1044787	221443.5
9.964417	8	4	4	1275414	2338589	678366.6	1937834	842047.8	2351061	3178359	2809738	1539606
10.02372	8	4	4	735451.3	688925.8	108173.5	1128229	1124048	723428.3	591985.3	777141.4	794577.7
9.346	5	2	3	848259.2	1984927	583278.1	1573389	935506.8	2102658	1645712	2148016	2789890
9.8445	10	5	5	1930446	5282699	1445003	6186331	1959112	5784845	2905305	6715645	5889101
9.9677	10	5	5	3785379	15257921	2563583	13045043	5281295	16636178	17805141	13775376	11514749
10.99775	10	5	5	1010814	7200238	545393.9	8037819	2107618	7475652	6589723	6847591	7108008
9.536783	7	4	3	433272.8	1073485	562480.2	768336.6	604836.5	1007858	1855798	980863.3	1233633
12.30202	5	1	4	321710.3	2051046	597919.8	1696871	746861.4	2708857	2256938	1999851	1087019
10.67483	6	3	3	93039.13	210776.8	44279.95	178496.4	74192.65	151463.5	271523.5	225750.7	214316.4
10.02372	9	5	4	284944.5	1135540	183047.6	970371.4	397360	944606.7	1350470	1041354	1029140
10.70315	10	5	5	761980.6	3443071	690449.3	2979765	1036267	4218779	3795366	2940332	2525120
9.989483	9	4	5	773330.4	854297.7	164065.3	1496550	1644684	1108758	897402.7	812294.8	668890.7
13.6214	8	4	4	117993	320713	163186.8	449352.8	301717.7	541331.9	346277.8	274670.1	88269.46
9.541433	9	4	4	417316.3	1233914	372463.7	1522940	675480.1	1371033	1652947	1447351	752069.5
10.6849	10	5	5	226309.7	1179268	262154.4	1035401	288201.3	1254134	1286584	860491.6	976613.8
10.00385	9	5	4	2392318	1320839	153215.2	3168536	4744562	1394718	1215399	1185082	1254673
9.44825	9	4	4	6121936	21757233	24011910	33162450	19342736	24204842	6923087	6182729	8841940
9.297883	5	3	2	627384.9	1919253	1481419	2612705	1146144	3120548	634822	698585.2	3864514
11.287	6	5	1	96461.93	221855.4	129976.1	162809.8	91761.48	431868.8	264581.1	152900.9	129296.8
9.842	10	5	5	3595300	9076033	703319.2	12018297	7544970	9943209	8559494	8743680	9718504
32.83517	5	2	3	227914.1	1536247	302824.9	1301805	548206.9	1447385	1610649	1057804	1743991
10.008	10	5	5	548323.9	1783427	289428.2	1596395	412704.3	1909823	2067699	1972156	1376418
9.856867	10	5	5	1166279	2350601	697264.3	3497260	2898498	3030758	2719321	2486842	2317205
9.392767	11	5	4	3476793	33955312	9277507	27426587	14870763	45117811	29880054	42708015	26748673

9.992233	10	5	5	1319944	4085365	750053.3	3565365	1178714	4703477	4224869	4070948	2827083
9.445217	6	2	4	2618849	18268489	14628476	10927144	13504759	2463934	2105957	29444907	30063745
9.840617	10	5	5	1528285	6266932	794597.1	5831211	874441.1	6780993	7213564	5454687	5445122
9.979667	9	5	4	1053588	3905683	1027620	3117076	1841499	4533734	4447091	3132339	2511814
9.93625	10	5	5	2516436	9452910	1466189	8321438	2645864	10862899	10154886	7779595	7964369
10.52898	10	5	5	283977.9	953305.8	174190.4	790788.7	393884.9	925284.8	1030933	694719.2	944097.7
24.88533	7	3	4	271058.2	1570401	1515816	854688.5	1207180	3137394	395155.4	349854	3311627
9.949233	10	5	5	1258692	3761051	1302761	3049790	1425201	4322178	2692288	2694603	3332478
9.994767	10	5	5	1113986	1939295	773854.5	2609315	1606633	2269483	2961017	2138226	1151024
10.95055	10	5	5	990404.5	6132658	1721636	5334104	1307832	7835225	7282743	4306341	4246070
9.94455	7	3	3	5618784	3732753	735452.6	8667674	12704837	2947478	3908796	4008160	4731634
27.26983	8	3	4	178535.6	690536.4	521118.6	425249.6	498546.2	1317365	165767.1	341894.2	449130.3
9.609367	5	4	1	277163.2	1190541	425369.8	1004074	266834.3	1748332	839015.5	1070997	779072.3
26.02	5	2	3	70626.47	221239.5	166583.6	147529.9	108509.3	142468.6	508893	80967.97	183680
9.43325	11	5	4	1595479	8023959	3537950	6431415	2453263	5935363	8023854	8875773	13344295
9.4468	6	4	2	349416.9	1685609	554598.6	1309862	848612.4	2318621	2245444	1454789	1213838
9.896717	4	3	1	1646355	2812313	885946.2	2285015	1123673	3791202	1381384	2823207	2897983
9.864767	10	5	5	23595562	1.61E+08	23377588	1.41E+08	48893525	1.57E+08	1.69E+08	1.39E+08	1.43E+08
9.8322	5	3	2	2483036	4526934	1029129	5968033	3632754	5303843	4465152	2878478	4505714
8.93965	4	3	1	30844842	1.2E+08	1.65E+08	2.01E+08	1.46E+08	3.25E+08	553765.8	400472.7	2.74E+08
9.880683	10	5	5	23447096	49602677	9645547	72899091	59702430	46890852	48706564	57983423	59098248
39.3595	9	2	5	300351.9	3647507	946880.7	3022044	1400915	3084085	3198491	3115949	3527108
9.928667	10	5	5	930167.4	3568860	792422.6	4270447	1693549	4092127	2687311	4249229	4095573
10.13878	7	2	5	281262	831149	137721.3	694739.3	334509.9	634632.4	835001	1005614	897830.9
15.54118	5	1	4	93231.22	850627.4	139630.1	724233.3	306186.1	980059.2	796246.5	746601.2	1018469
10.45545	8	3	5	94461.44	236899.3	80261.94	288502	114336.5	369504.1	199610	232032	155074.2
9.94455	7	5	2	708460.8	1418979	308978.6	1237759	383522.1	1782144	1177737	1729294	1235060
10.95835	10	5	5	602690.8	2520630	772788	2854611	459340.9	3529828	1567058	2028610	2490108
8.859667	10	5	5	2077254	8259892	3517874	10753262	5728088	7028332	13725962	9692059	5440491
9.43325	5	3	1	849114.2	3508577	762321.4	3116881	747194.4	2189062	3621516	3967868	4082836
9.94455	9	5	4	594421.2	1217273	174610.5	1022241	484663.3	1401783	1181160	1397573	1046679
12.35387	6	2	4	43651.34	213713.8	35696.61	191470.5	48656.85	197577	208803.6	171098.8	223521.7
44.98283	8	4	3	370199.7	3354387	1177494	3873541	762472.7	3481819	3797639	1301855	4201212
9.896717	10	5	5	1.4E+08	8.97E+08	73540896	1.03E+09	3.47E+08	1.01E+09	8.09E+08	8.77E+08	9.19E+08
9.858833	10	5	5	1857333	6803365	1368044	5799623	2331496	7475327	6288535	5551142	8867802

9.856867	10	5	5	2585656	14153580	2280175	12238334	4588377	15427650	14449927	11141184	12756605
9.311883	6	3	3	279873.5	528111.3	318945.9	851203.6	795787.6	925181.8	52676.49	470098.7	523712.3
9.388367	6	4	2	653840.9	5365296	954929.3	4636411	1711189	4649049	6644329	6028833	4360720
25.9965	7	3	4	177936.9	1268335	327826.3	1077910	401544.3	1018758	1841837	1131008	1209812
12.52975	9	5	4	68727.33	326024.1	65691.61	269795.2	135254.8	348518.3	381612.1	295420.2	226121.2
9.999217	8	4	4	1141185	3287736	1411262	2609242	1194101	3356154	1088022	4375988	2974108
9.976317	8	4	4	873616.3	943183.5	277407.6	1218141	675784.8	826973	1309675	706024.6	708951
9.554967	9	4	3	11937659	31457520	18327760	41731911	21178345	30109885	40432664	50826415	1808453
9.032133	4	1	3	332998.6	579996.4	415297.3	403375.4	230798.6	1118578	831410.4	322418.8	567290.3
9.536783	9	4	5	670955.8	2077036	791668.5	1660504	816079	2244265	2913825	2348888	2106540
10.9645	9	5	4	351609.3	1973176	407770.1	1728212	527355.1	2356992	2318114	1660718	1437516
9.94455	4	1	3	6468311	11957196	7566113	7534691	9374516	1121314	7730839	20261171	14358389
9.929783	9	4	5	1610942	2936398	480017.3	4287527	3479943	2399172	2439647	3321161	3378292
44.014	8	3	3	376622	6647763	3172945	5408285	632825	4679679	5669152	12279728	5065425
9.964417	9	5	4	3471260	2002999	715087.1	4203096	5672037	2929781	1320456	2605068	1578622
30.579	10	5	5	3748184	25748172	29065551	14326039	7116453	16262515	12174623	77508316	8749891
21.44967	10	4	4	1162402	12200970	9928805	8273925	2830018	29663103	6629033	5603377	10194216
10.2456	10	5	5	2865468	10197999	1991737	8635183	3699548	10592842	11927790	8283976	7967330
9.445217	13	5	5	2443564	21325774	4540166	18908468	4793524	17935276	24986348	27100815	16580668
9.960467	6	3	3	576436.2	675362.1	281079.9	927242.1	611474.4	1068772	333742.9	627555.5	818723.7
9.45945	7	4	2	323155.2	1002994	361212.2	811652.6	377870.8	1207440	1144914	478103.2	801989.3
7.1613	9	4	5	91901976	6.71E+09	1.51E+09	5.72E+09	2.23E+09	7.6E+09	7.42E+09	7.27E+09	7.25E+09
10.29457	5	3	2	211465.1	409219.4	184001.3	303468.2	222191.1	212364.2	709817.2	384620	405550
9.960467	8	4	4	1061633	3962445	1506820	4907409	2081200	2364534	3376055	5655956	2943634
10.008	7	4	3	786001	1524753	383711.4	1874093	850476.7	1455919	2081166	1093349	1705133
9.992233	7	4	3	1127762	985184	293348	1416011	1093196	1059512	882920.8	1008426	1392301
9.976317	9	5	4	3421406	1828438	570570	3656702	4719989	2159927	1198386	2529152	1961644
9.840617	5	2	3	616598.6	2181207	639157.3	1720007	1070168	2237016	1833978	2892998	2647557
9.310917	5	4	1	898790.2	1120680	625406.2	3501016	6156248	1251519	2162707	691042.1	769211.1
12.67512	5	2	3	103547.1	848872.7	589096.2	592820.4	365327.9	358948.3	614777.4	614006.2	790534.6
10.008	10	5	5	1881820	2692360	1137606	3603015	2169210	3342887	3875833	3282371	1663074
9.856867	10	5	5	650846.1	2747034	645922.5	2414974	639153.5	3614475	2927027	2821496	2539036
44.62433	6	1	4	317155.6	3083658	180745	4129979	2712441	3235927	2975714	3214413	3174184
9.684583	10	5	5	7807130	35969217	5361955	31853235	9719418	37603409	44583577	32771920	31210375
9.986767	6	3	3	335099.5	600203.4	353742.9	405466.6	398307.5	995771.4	849346.3	453700.2	89927.76

42.59633	14	3	5	475676.5	4003961	1756446	5568900	3804841	4621735	5904276	4915630	3193184
32.46033	10	5	5	1424775	6746459	1381831	8514778	4461661	5456414	6280600	6625125	6274431
9.900133	9	5	4	2478423	10599905	2781852	11862492	2023711	11680464	12394001	13078987	6177857
9.872917	10	5	5	2593377	12520611	1136974	13661248	2819215	11401931	12172485	12995913	14257482
10.9645	5	3	2	296145.3	823956.5	215368.8	734255.3	108483.2	988720.8	1000460	472818.5	872980.4
9.419733	7	4	3	333859.5	1643910	780249.4	1148650	1100075	2137390	2758156	877074.5	1288681
10.9645	10	5	5	1273967	5872656	1412066	5116877	1512776	6833963	7274380	4215813	4496747
9.842	9	5	4	1170731	4993047	964988.9	4341934	1481571	4598840	4259917	4427794	5039347
10.01837	10	5	5	409774.1	862581.6	285559.1	723116.9	253329.8	1283309	916609.1	623247.3	569866.3
9.232283	5	4	1	324627.9	1447397	874622.9	977661.6	943215	891278.3	776765.3	864417.6	2754393
10.8795	10	5	5	12981214	78691922	11537568	71150153	16963785	92121575	83174304	66691687	66502003
20.8275	7	4	3	220094.9	1423021	289192.2	1200736	525658	1778886	1047189	1239384	1602890
10.95055	10	5	5	330505.2	1450080	539538.3	1198629	425316.9	2086816	1597304	993824.3	798665.3
9.365833	3	3	0	412786.6	2125855	1062131	1608758	935995.7	3012827	2392258	3115267	1490401
23.409	8	4	4	100568	482286.7	226549.6	354199.2	267471.3	321918.1	859307.4	379462.6	324415.1
9.932033	10	5	5	38286384	1.45E+08	22250780	1.35E+08	16071672	1.79E+08	1.53E+08	1.29E+08	1.24E+08
9.856867	10	5	5	3250836	21669493	2386344	18879200	7004305	21725971	21214862	18920610	21000202
28.84917	8	4	4	326377.5	2489356	1397813	1822903	1171407	1635524	3086424	592363.5	2929017
9.951283	10	5	5	892835.7	2503241	666440.8	2890670	823729.9	3179365	1462897	2808290	2799575
9.994767	7	4	3	689404.7	579417.9	247463.8	946246.9	934210.3	164680.8	599868.2	602971.6	805107.7
22.27717	8	4	4	56636	305886.2	102045.5	257737.5	83302.17	210218	422942.6	202235.8	298687.6
9.976317	10	5	5	3852588	5815368	1201330	7922667	5403252	6507098	7065730	6446785	4630383
9.568567	14	5	5	2903826	10671373	5139501	16283553	14017130	9384007	2531092	14403200	15467188
9.848417	10	5	5	5733779	12941705	828941	16347472	8840587	13251343	11963874	12499551	14161938
8.917333	7	4	3	1645232	20621921	2701807	23994228	8514662	17009869	20362135	20249064	24606644
18.864	7	4	3	106248.5	328103.5	175258.3	410856	143642.5	206655.9	492574.8	112314	315561.4
10.96997	10	5	4	703777.9	2152505	801802	1781746	621189.7	1414275	1394122	1972710	2907279
9.544833	9	4	5	725135.7	2007991	894318.9	1560669	841345.9	2404646	2835408	2300229	1998925
9.976317	8	4	4	646433	1538951	603642.3	1969519	1000973	1973589	2175951	1747020	918354.6
9.93625	10	5	5	2524622	9400822	1585760	8195399	2851514	11096052	10052947	7852844	7579210
10.95835	6	3	3	327410.1	772504.6	103244.5	1006969	605706.7	703179.3	925683.4	715056.1	832510.8
9.8322	8	4	4	1690700	3254544	3063198	2052336	839278.4	2137533	1933407	1166746	8674937
9.929783	11	5	5	6015507	24964408	4504290	20985783	9699157	23259196	25024482	31920022	19501857
9.445217	14	5	5	13818403	1.1E+08	26303043	97185528	21460178	1.08E+08	1.37E+08	1.35E+08	88558587
9.929783	9	5	4	1946705	3946292	479734.4	3641553	680481.6	4450503	4060783	4093908	3974128

9.872917	5	2	3	785368.3	2177301	670833.1	1723518	1038350	2016368	1409358	3258875	2139493
9.445217	14	5	5	42313164	3.61E+08	82749736	3.15E+08	94825908	2.85E+08	4.4E+08	4.52E+08	2.78E+08
42.74017	4	3	1	430459.8	5546126	440675.8	5307902	484005.5	5677567	4795807	5864673	5538251
9.952017	10	5	5	1479483	5355916	935606.6	4841336	1059457	6446941	6183777	5217318	4361309
41.10033	6	1	3	269244.2	4008693	824051.6	3357336	1556625	5469762	3688647	3470999	3643889
9.856867	10	5	5	13806231	65958301	13348240	53314155	31166067	65182067	64357239	51658691	60769050
10.91673	6	2	4	155737.6	295363.3	145732	368729.2	139397.6	519802.1	195190.4	356494.6	245213.5
10.09898	9	4	5	1307098	7242742	2577007	8616797	2761050	9517621	7813110	9501337	5902768
10.9645	10	5	5	604093.3	2782639	496600.1	2563767	331682.2	3130114	3380352	2370626	2202560
38.25167	9	3	3	336845.8	6442545	4117200	4849471	741523.1	3786627	5515014	13676516	5287225
9.8322	9	5	4	676698.4	2070531	454025.4	1742946	765819.7	1906607	1992471	1649854	1957416
10.9645	10	5	5	1982661	9112035	1803178	8148975	1939539	10926976	10741720	7601112	6940312
14.10702	9	4	5	103824.3	423151.2	433727.3	253756.7	110091.1	205104.2	227195.1	318968.1	1192843
9.93625	4	1	3	2238823	3943803	2238215	2904830	1764819	5929113	154580.1	4581969	5097650
10.45545	10	5	5	14281105	57715137	8658279	62527129	9999917	73079537	55745074	53525099	53087627
9.932033	10	5	5	37947380	1.45E+08	22076365	1.35E+08	15822440	1.79E+08	1.53E+08	1.28E+08	1.24E+08
9.94405	12	4	5	5526660	12710136	3790827	16714684	10007145	12515431	18304688	13660900	11127859
3.65805	9	3	5	466180	8461159	5868573	11389326	5521894	0	10713021	16104592	6836328
9.856867	3	0	3	580722.4	1448634	563607	1862841	974253	1983185	900088.3	1877916	786320.8
9.904767	6	3	2	1066741	1774423	626819.2	2897957	2894421	1421251	1850865	2835382	1445119
9.93625	10	5	5	8336099	28681229	3601606	26627628	4347463	32382729	31047334	24510156	25145452
9.9014	11	5	5	2294996	6614971	2278120	8861098	5579121	4004352	9078777	6548552	8702308
7.303317	9	5	4	1851320	7751239	1720690	13081777	13873413	7088256	10007063	6114704	6424826
9.845483	9	5	4	2080637	6272221	2195816	7433735	2328451	8252840	4214024	5970193	8803404
11.87367	4	0	4	335704.9	361307.1	72988.24	755700.6	1029721	362890.6	253911.1	364587.4	365109.5
28.28767	7	3	4	84286.46	289687.9	123850.2	225621.4	125986.2	230561.3	476981.1	159427.2	236833.4
10.4842	10	5	5	3361815	3686870	940076.8	6420435	7115717	4950698	4431684	3033391	2871990
22.9725	5	3	2	227096.4	1233438	675613.5	941218.9	424706.5	846575	1661239	805022.1	641514
9.992233	9	5	4	452078.3	965008.1	160108.7	1172697	528679	1004385	826990.8	1181354	1024914
9.93625	10	5	5	2094609	13670934	2988604	11674631	4569717	10484555	10693438	14457394	15456388
9.976317	5	3	2	1179043	1449525	730724.2	1981321	1250642	921457.2	1142945	750997.6	2439419
31.147	9	5	4	285031.3	951286.7	346053.1	1165601	475648.7	575701.3	1388703	897056.4	679490.6
9.979667	5	3	2	3278372	5888347	6794033	3113605	3149230	14563725	1290332	11953649	758419.6
9.928667	9	5	4	2942060	7794932	2099872	6105932	4068599	9060835	6940130	5237765	7070363
9.840617	6	3	3	1511518	1446584	442867	2849966	3657863	1910669	1657653	1116482	1696020



10.32122	9	4	5	369157.9	1729990	479694.8	1456043	582296.2	1798118	2335330	1596755	1899004
16.25713	10	5	5	1290776	11203064	1598321	12513286	3169886	12703996	10519866	9744837	9915916
10.31835	8	5	3	494486.7	974968.3	645539.9	713064.5	285950.4	236031.9	1997889	874050.2	729241.3
7.168783	5	4	1	776537.4	9879563	5129330	12456738	4927422	7750760	5707301	16493063	5278499
9.842	6	3	3	852826.8	2090669	687274.3	1654928	978308.9	2072440	2987869	2539738	1443601
9.856867	9	4	5	699258.9	2352604	232452.6	2627767	696883.8	2513078	2505181	2054247	2147796
9.952017	11	5	5	718131.9	3173468	635132.6	2743007	991684.1	3467178	3349218	2059332	3649621
9.36565	6	3	3	628626.4	1121100	758223	744061.3	712941	1505365	0	685247.5	1613851
10.9645	10	5	5	388829.4	1629410	438952.7	1397329	466626.7	2122391	1925631	1188243	1151461
9.999217	6	3	3	71702552	86808102	1.2E+08	35822842	69564162	2563915	2062769	1.66E+08	2582264
9.406667	6	3	2	462745	3573464	1348880	2821432	1575679	4003217	1415622	4403609	4842389
10.02372	6	3	3	579907.4	690752.5	208312.4	1047883	921783.3	658505	358149.4	704546.5	873383.1
10.9645	10	5	5	474415.7	2241258	313320.2	2438054	440408.8	2244666	2739319	2247055	2076812
10.95055	10	5	5	705279.6	4424180	867818.4	3968233	912260.6	4895509	5474114	3646437	3417350
9.582167	7	3	4	190124.5	542172.1	188766.3	444476.9	192802.1	609872	349851.4	583001.4	802908.9
9.848417	8	4	4	585812.3	1070022	392529.9	1438167	911289.1	1290547	1441295	1285436	496641.2
9.992233	10	5	5	785021.8	2669176	470162.9	2271314	969545.5	3120893	2896435	2966362	2002557
9.842	10	5	5	2345934	14633987	1432611	14007234	948618.3	14143381	13509831	13525909	15054580
9.536783	10	5	5	1475212	4397364	723845.6	3747953	1598072	4666406	5201099	4068875	4729690
10.95055	6	3	3	329421.7	753040.2	356395	596945.6	237032.1	1092769	1163854	530059.6	356964.5
9.904767	9	5	4	6268284	3949400	2284044	9250975	13790455	2118789	2367930	4542492	7670835
9.999217	6	2	4	239287.7	346625.9	234104.9	467712.5	239119.6	299397.1	732692.1	374300.5	160998.3
9.887133	9	5	4	1525589	4525530	1982456	5838918	3006595	4504670	2294439	6869098	6099260
9.904767	10	5	5	4465906	21528878	4702385	17230395	10610650	19868548	19329011	17488681	21397269
10.95055	10	5	5	301154.7	1745480	512717.2	1530405	283847.5	2244763	2087637	1270723	1119116
25.27517	9	5	4	238919.5	2266135	922633.2	1851402	671722.6	1219007	3078122	1470106	2289840
9.853633	9	5	4	997520.9	4578366	1150306	3761625	1914077	3998120	4159203	3190198	5732384
10.95055	10	5	5	1503221	8876863	1825220	7840573	2205033	9984292	10966225	7037501	6888698
9.445217	12	5	5	1726421	10440223	2206364	13862246	8820329	8076535	13064243	12155367	10478809
10.44062	5	3	2	249245.5	449091.5	313602	607243.4	305290.2	352076	995440.2	408705.2	255253.8
10.00998	6	3	3	7467974	10127293	3804960	21435380	29555800	6425712	9181770	15050017	13075254
41.4625	7	4	2	222751.5	2188085	1065507	2595199	116674.7	3214929	2288762	2573957	386735.6
10.95835	9	5	4	239731	520656.8	220799.3	626006	189981.4	599631.6	863104.5	469707.4	347272.5
31.17633	6	4	2	19142386	7560781	16336371	17220992	21062222	364019.1	147468.8	210469.1	298149.5
10.95835	10	5	5	2065755	11991569	3377633	10250460	3438824	15955171	12745469	8463730	8550528

9.872917	7	3	4	1010524	3654846	1826471	2811054	1446270	1211423	4040453	3444289	3271155
9.522017	8	4	4	925754.6	600705.8	359346.1	1878222	3344938	915836.9	962753.7	76914.73	526383.7
24.73917	10	5	5	1153064	6578949	761609.7	7289704	1762772	5479708	7422898	6359580	7161853
37.2735	9	2	3	306791.8	6782253	2138852	8551667	4305299	4342267	8447618	8228633	8350860
8.960667	6	2	4	235522.1	460161.6	300442.7	602967.5	256466.3	246294.3	416023.4	181842.2	513740.8
7.068383	6	4	2	97698616	1.07E+09	5.49E+08	8.38E+08	3.29E+08	1.09E+09	7.18E+08	2.01E+09	8.44E+08
9.864767	10	5	5	23676616	1.61E+08	23692218	1.41E+08	49143456	1.56E+08	1.69E+08	1.39E+08	1.44E+08
9.896717	4	3	1	2354723	3096071	2267113	4557689	3321496	3037796	895061.3	6895806	2117410
23.05933	7	3	4	92418.29	470482	279449.3	358022.4	119688.2	566787.2	489401.4	286030.8	140186.7
9.979667	7	4	3	2563732	950767.2	444840.4	1904213	2484071	1368816	1473043	769374.1	463823.6
9.023433	5	3	2	263293.9	819784.5	139162	675735.5	362176.7	996353.8	684631.9	849184.5	895392.8
9.888767	10	5	5	2822893	15832353	2317254	13798227	5007087	17122061	15423006	13172734	14377701
10.95055	10	5	5	1632611	10068172	2574879	8839789	2222709	12223357	12130338	7150957	7384959
9.858833	10	5	5	4154274	14870985	2627834	15971917	1465179	14574612	14860192	10726436	17570096
10.9645	6	3	3	576510	873277.5	265313.2	1147413	689348.8	1071959	1094313	461906.5	759622.9
9.8322	9	5	4	3762795	4194219	654009.8	6733245	6663511	4947260	4661237	3530788	3509284
9.842	10	5	5	1212174	3078899	1096869	3874067	1881463	4127410	3978978	3344583	2408155
9.983433	10	5	5	1989966	6534721	1258237	5402110	2800521	7125957	7903988	5590988	4864302
9.857983	8	5	3	3084727	3981534	1196567	6078879	5442038	4552060	4214490	4923867	4320112
9.842	7	5	2	796531.1	3434869	353971	3128921	751842.6	3681956	3338021	2911054	3829730
9.842	9	5	4	1032341	5035263	1214225	4270679	1723982	4863110	4632259	3898573	4677096
44.9835	7	5	2	127433.2	362027.2	131468.7	307328.7	70962.69	420036.6	542427.6	194339.8	290563.9
3.62865	7	2	5	217698	3914292	2251531	5070233	2283861	2927.984	5572811	5174917	4139579
42.0065	4	1	3	248905.8	4914445	117619.4	4382587	1397483	4943198	4855981	5063465	4959117
9.4775	12	5	5	7904557	43308816	21874870	60914632	42714361	46252403	8736688	38336545	58815477
10.95835	6	3	3	303174.6	700333.8	172075.9	786152.9	164551.8	912237.3	811464.3	516472.7	536678.3
10.03947	9	5	4	223238.3	609889.8	119163	495307.6	286007.6	576918.7	737439.7	500025.6	500792.8
44.9835	12	2	4	265172.1	3075430	349654.9	2502946	1482790	3160914	2596739	3526018	2891972
10.9645	10	5	5	594707.9	1992319	453928.2	1735753	546955.9	2625383	1619602	1712194	1681388
23.05933	8	4	4	406869.9	1496676	205377.1	2219213	1896534	1457989	1579062	1741447	1180810
9.473733	5	2	3	4294331	6024236	5769077	3466182	4067051	711250	5663061	8824157	14273131
9.840617	10	5	5	2108851	8577959	808754.6	9598563	2611621	9143344	7856477	9544975	8678574
10.98605	10	5	5	873489.2	4754961	1222360	3939252	1883153	4307651	5019412	3719600	3968967
10.97857	10	5	5	265169.2	954091.1	123408.9	1110724	401053.7	838623	1143737	993909.5	939147.8
9.9677	10	5	5	3790109	15167511	2630002	13025381	5214016	16714710	17823206	13691220	11321823

9.933967	10	5	5	30030278	2.37E+08	81817679	2.05E+08	29929111	2.17E+08	1.98E+08	1.9E+08	3.82E+08
15.60347	7	3	4	159451.5	1198075	136005.9	1017397	464008.5	1247332	1298784	1178346	1295057
9.379233	9	5	4	1037152	2422603	1345901	1751703	1287927	2651211	1109579	1417355	2400753
10.10793	10	5	5	7352751	39059426	5203028	35456060	8426551	37048395	48169521	38218909	35238506
9.842	9	5	4	960318.3	2725351	703929.3	3209777	1130632	3749026	2816220	2924449	2176770
9.992233	10	5	5	905330.8	2815658	519499.7	2406571	989189.4	3284127	3193270	3056810	2087279
9.848417	9	5	4	1404147	8749746	913958.5	8001775	1822790	8794464	9145402	7521885	8317346
9.994767	10	5	5	1297983	1875597	582298.9	2313263	1047088	2341319	2387236	2070656	1013448
10.42442	5	2	3	224700.8	931571.2	883698.2	584671.7	296630.6	2110144	1628491	168289.5	220780.8
10.13878	7	2	3	1009980	729062.3	172212.1	1652013	2429592	889343.9	501671.5	889426.9	757154.6
9.929783	7	4	3	1648782	5550338	1593039	4617243	2035951	3361238	5230399	4944126	6972512
9.328967	7	4	3	600596.6	5178791	1602706	4277029	1921232	6356683	2479942	4948164	6144711
9.887133	9	5	4	699537.1	2259147	711105	1822183	977112	1964498	2748356	1568813	1766399
29.92117	10	5	5	3183972	14042391	3742716	18546235	11507158	8932049	16511837	15739719	11313248
9.516467	10	5	5	21276312	65583657	8002543	57674616	19847938	75816066	72213161	62875221	58591068
10.008	6	4	2	262256.8	617389.8	116599.2	484729	337527.4	550137	790296.2	686225.6	529814
9.445217	5	2	3	657577.1	2675866	1090572	2149838	972773	3852019	3382448	1539697	3110430
44.58117	6	2	3	454667.5	5460571	869880.7	6289322	2070847	6965146	4767857	5354268	5000635
9.348233	6	4	2	492891.3	881666.1	543887	567442.3	681008.2	1449354	1170275	890462.5	898238.8
13.63877	6	4	2	270757.2	663729.9	1144467	225677.7	211934.2	2705446	106631.4	163106.4	58794.82
10.93208	5	2	3	343261	1286874	423099.5	1087829	355669.6	1345582	1998862	1059108	958774.8
9.976317	10	5	5	3827693	5136862	1691801	7391424	5803679	6229884	6820343	5654996	4418031
10.9645	5	4	1	1020688	2648455	1854932	3566427	1755965	2043754	5953131	1616755	1712899
44.72483	6	3	1	248785.2	2911140	805279.1	2575664	445248.6	1812904	3254047	2666869	4007145
10.94208	5	2	3	313637	1279394	494479.5	1052798	388539.7	1275648	1586972	533492.6	1161798
10.9645	9	5	4	367949.6	1907156	493030.6	1643518	543126.2	1874021	2247278	1152390	1826406
9.9847	7	4	3	780253.7	799187.3	242394.4	1250077	1176444	740980.5	617179.8	1160975	911929.7
9.371417	11	5	5	11272773	22779828	8819690	45830596	60546407	23861411	9050125	20271070	29962154
15.29923	5	3	2	16231.48	58407.81	23122.56	46576.67	23467.83	56039	48450.17	61820.15	31380.98
9.415167	7	3	3	1159725	1595952	876556.3	3384916	4679891	1053162	1334230	3108594	949077.7
9.872917	10	5	5	9088280	7588405	997450.2	16384183	23237353	7896153	7458593	7729775	8806630
3.295283	3	0	3	57125.54	619021.2	351866.6	447557.9	322583.9	0	878063.9	769266.7	710061
10.97857	7	3	4	1197081	3141570	2765380	1944367	1813962	1148091	7079530	1251609	1173386
18.9655	10	5	5	47843752	4.17E+08	64865914	3.88E+08	47018011	4.71E+08	4.65E+08	3.56E+08	3.37E+08
10.9645	7	4	3	230480.4	849882.9	262094.8	702020.7	316779.4	1041637	1127281	688739.6	486530.1

9.298683	7	4	3	309771	1026356	416807.1	765580.6	589877.4	1504602	1262400	542683.7	1184859
21.22417	10	5	5	327744.5	1624515	388123.6	1438910	341165.3	1346917	2215000	1818941	1442772
9.960467	7	4	2	628219.9	1977816	1030779	2509690	1064996	791534.3	1071057	2723031	2124050
9.94455	9	5	4	757785.8	2112238	727868.8	1708225	857140.1	2909086	2680862	1867164	1065641
10.95055	9	4	5	174925.5	651348.5	242772.1	542405.6	180171.2	840922.1	925826.2	356898.7	674700.4
9.47865	12	5	5	715590.3	5289192	1509330	4391682	1983863	6464066	7263656	4830610	3904577
15.52565	10	5	5	137142.5	893418.4	208273.2	699937.9	483435.6	1223149	809511.2	743191.8	721904.9
43.30117	5	3	2	374502	4830012	2104438	5945766	2289355	5208325	1270478	4938406	6076294
19.6435	10	5	5	225395.7	884616.3	305347.5	1061003	383939.6	917408.8	797078.6	598302.8	720426.2
10.97857	10	5	4	265658.8	1142584	447082.5	898749.1	511458.4	1133954	474172	1099280	1289031
9.8445	10	5	5	1966663	5539182	1142960	6613567	2690023	6682382	5832996	6293299	5100496
10.008	7	3	4	26725388	30640545	44994663	12025325	24307266	968718.8	1384651	47761877	1.03E+08
9.345767	4	0	4	853983.3	774942.3	361883.7	1518717	1950469	470307.4	1230038	918962.7	345015.3
9.132467	7	4	3	267799.3	700508	409607.8	497528	391223.5	942990.6	1111718	880665.8	461222.2
10.9645	10	5	5	886832.4	1697874	345141.7	2339595	1678937	1769097	2193174	1790655	1376769
10.05535	9	5	4	245102.8	723838.1	154367.1	848397.9	304532.9	517792.3	780952.9	929411.1	641966.4
9.445217	14	5	5	2512846	21362205	4659071	19039936	4505741	18261807	25600894	27050949	16610255
8.902983	10	5	5	1374643	6731322	1982995	5474542	2866600	7967052	8545627	7958030	4953692
23.0305	5	4	1	251384.6	623608.2	406488.2	846687.8	470876.3	290198.7	539365.2	389712.4	578096.1
10.9645	6	4	2	827606.9	877671.5	228498	1588034	1875234	1014218	522383.3	966324.2	788362.6
8.163983	10	5	5	1483543	83690980	54458795	1.13E+08	60941717	1.33E+08	1.31E+08	68209969	86733457
9.445217	7	3	4	1341219	6201685	2091643	4945761	2798597	4665142	6181223	8177359	8353238
44.9835	6	3	3	312991.3	1460484	492662.5	1658518	223338.4	1871162	631224.6	1426125	1613536
10.95055	10	5	5	1375632	8023681	2096446	7018652	1864748	10473286	8625271	5998390	5695540
12.44123	9	5	4	276740.2	1526140	705544	1901850	776516.7	1561120	940153.6	1176252	2724364
9.460217	10	4	5	483779.1	1600600	563220	2457404	2230076	1616012	2445344	1753879	998964.2
10.008	10	5	5	508489.4	1747944	380398	1536612	450767.2	1919059	2201791	1916769	1350709
9.979667	7	3	4	1229171	797029.3	348706.3	1168691	946109.1	1340793	892729	605283.2	423913.5
8.931817	10	5	5	666495.3	2411075	789996.9	2719843	273782.7	2737169	3102955	2836095	2276769
9.960467	7	4	3	1064929	1545967	644864.9	2150373	1517031	1982293	2329714	957801.1	1625723
10.92208	5	3	2	99601.62	251231.1	165410.8	182247.7	94318.53	459527.9	354416	73060.69	98617.37
9.859983	10	5	5	1.71E+09	1.3E+10	1.51E+09	1.23E+10	1.44E+09	1.44E+10	1.38E+10	1.07E+10	1.24E+10
10.70568	10	5	5	245554.9	1032050	241815	901481.1	273437.5	820504.4	1310841	1268950	947241.6
9.56645	6	4	2	227301	452635.6	68351.62	335960.3	305343.6	479476.1	555084.8	430998.3	374224.5
9.445217	10	5	4	2978845	5583226	2461789	11546816	15730120	8383671	5819570	7463150	3725748

9.992233	12	5	5	3168772	5842248	1293519	6953657	2757496	7243267	5452499	4044657	5515157
9.41815	9	4	4	2165910	5502472	2209966	10680628	13654039	4880137	5293617	6331935	8537875
9.379233	17	5	5	1250538	2729484	2477975	4321292	3664914	5803394	3159770	310543.7	126856.1
27.6395	9	4	5	87310.35	287648.1	58706.72	323969.2	82343.67	364585.8	321568.9	255456.1	212361.1
11.19403	7	3	4	283245.7	417817	232293.2	321009.2	132631.9	361623.2	800009.4	449947.3	265688.4
10.95055	8	4	4	733681.1	928942.1	473837.5	1492929	1451573	1432244	1419697	753636.8	657453.6
9.952017	3	0	3	795912.7	554812.1	416872.7	1052053	1280228	936882.6	0	796692.2	820610.1
10.008	9	5	4	690484.2	2144579	380875	1931488	458183.6	1549131	2545985	2378167	2192750
9.464933	10	5	4	4487199	12856003	11051354	19364529	14420767	18875387	24528435	853980.6	1184567
43.44517	5	4	1	449052.5	7636108	2206270	6454958	2464901	4107964	10006165	8763099	7911407
43.77583	5	1	3	339896.5	5941640	1049285	6745309	1953601	6380603	6289170	4115756	6132309
24.72467	10	5	5	26061372	2.06E+08	24182407	1.89E+08	40165982	1.94E+08	2.33E+08	1.71E+08	2.21E+08
9.992233	9	5	4	707996.3	2360879	265988.7	2044428	815354.1	2589031	2453797	2545924	1934623
9.419733	8	4	3	2251784	7850615	5013954	10113648	3850825	15637605	4869053	10007476	5404659
17.75783	6	3	3	387614.7	3364573	245648.8	2856771	1338259	3307822	3173749	3563453	3672644
9.992233	10	5	5	2851186	7198365	2822662	9456081	5541337	9153119	10421282	7877370	4111819
9.887133	10	5	5	5011324	13778920	2431612	18392817	12137465	13533292	11168917	16796252	15655253
9.960467	3	3	0	555283.1	994615.2	368540.1	755245.5	554981	1360844	1421648	820152.4	734783.3
9.960467	7	5	2	551198.9	1267586	284828	1144127	192647.1	1591543	1516675	1170731	897667.2
9.952017	10	5	5	5684544	18394404	6141971	14998196	7266267	25902945	12504009	12421653	23279586
38.856	5	1	3	336448.3	4834754	410388.8	5415932	1514583	5209184	4602290	4925867	5189370
9.4925	13	5	5	907588.8	5824993	2533985	8014147	5453164	6362248	1998690	8917553	6688693
9.952017	12	5	5	2401819	4834234	285846.7	4416072	1091458	4525345	4553625	5166849	4895401
10.28195	5	3	2	99427.52	269159.1	71299.53	200373.3	174020.1	333997.8	328579.3	232290.3	164546.7
9.541433	9	5	4	559470.8	1604976	644036.3	1256795	733973.4	2170732	2199033	1173889	723510.3
40.81267	10	5	5	1317997	26810743	1916951	25418925	3346226	23682520	26997650	28504582	26649976
8.9256	9	5	4	139055	1970792	278459.5	1714682	644246.7	2017902	2283250	2066062	1964501
9.830083	7	5	2	588105.8	1142293	190174.8	1356324	550153.2	966208.8	1051858	1211646	1442413
9.5812	8	4	4	1971312	12356684	2908967	14464913	5068854	12497812	7671862	12047797	14706487
10.16453	6	3	3	1359873	498748.7	185136.5	1557085	2818792	801193.2	418820.6	534868	416813.8
9.912633	10	5	5	5050993	24068397	3431887	30454327	16820984	24021124	27611314	26234350	23868064
39.31633	4	1	3	375769.4	6125864	210964.5	8229689	5608904	6204502	6136531	5819504	6399184
10.9645	10	5	5	314896.2	1282875	334489.6	1103667	375847.4	1483951	1757030	1028027	952330.6
41.719	8	2	4	398509.3	5341177	1150289	5857423	874954.6	3407912	5918771	5307880	6393296
10.9645	10	5	5	1118716	6151123	1312040	5373367	1737177	6435571	6666304	4858178	4857312

9.297883	5	3	2	970663.6	1327252	763134.7	3483492	5723543	1706823	1047742	550416.7	867261.5
10.49953	10	5	5	10926851	51768350	4150276	55590923	9630461	53854252	57140398	50523313	45938015
9.568567	8	4	4	335281.8	611518.4	166970.7	499641.7	263029.1	548199.5	758185.9	445129.7	487413.5
9.176533	7	4	3	30916182	2.32E+08	1E+08	1.83E+08	93031969	1.76E+08	1.24E+08	2.31E+08	2.36E+08
9.992233	8	4	4	887229.4	1073051	513397.3	1493877	1041540	1002357	1542328	1610784	379516.5
9.419733	7	5	2	637606.4	1942462	1086366	2586489	1440713	1405360	3819299	1295029	1950537
10.008	9	5	4	2262817	2708103	561027.6	2980355	520907	2763272	3286252	2567826	1836888
9.976317	10	5	5	757266.7	2542017	403783.2	2259596	673737.5	2832078	2922070	2526591	1891376
35.191	6	3	3	1500963	2712992	3741979	1276538	1079190	342611.7	862334.4	16852.03	8979885
10.9645	10	5	5	1602065	7161136	1384767	6344499	1822999	8483088	8480482	5615482	5841038
11.17508	10	5	5	179091	601503.2	256495.4	494409.1	151208.3	936542.2	231377.6	664102.9	518398.3
9.856867	10	5	5	5052165	10546423	1183703	14561543	10689876	11883856	11031195	9610258	9028241
9.268717	7	3	4	1440290	3037256	1206717	2571748	381418.4	4960801	2214655	1935643	2695234
9.9351	12	5	4	2541993	856399.3	408224	1515185	1731496	784476.8	1385248	1009774	258011.1
10.9645	4	3	1	243470	670001.2	139867.7	583395.2	198042	756761.1	724179.8	453891.7	612034.1
9.9677	10	5	5	2805425	11425330	1731428	10272291	2711674	12418855	13552519	11092077	8917301
9.43325	14	5	3	454215.7	1310003	496490.7	1622711	720304.4	1456844	2119350	1024837	1012921
9.45945	12	5	5	8235892	82319466	26539801	69739794	23417520	90993926	73311681	79837806	47319975
11.51172	8	4	4	195049.6	513147.7	320471.1	678411.5	337492.6	732613.8	942714.1	145827.1	414177.3
8.841533	4	3	1	264117.3	381162.7	136307.2	289884.5	215158.8	306720.1	618496.7	370936.1	323426.5
24.57767	10	5	5	462858.1	2938076	524848.6	2526204	1012543	3316161	3141220	2370067	2386063
9.522017	6	4	2	712512.1	1821207	1198828	1246825	1085222	2424743	154533.5	1058528	2310901
9.912633	10	5	5	17874680	91956966	33692020	79057394	9484317	84949133	71790229	69360495	1.51E+08
9.40325	6	3	3	3946539	23673809	17658252	15508261	14684088	44635316	14436881	14609649	40188094
9.858833	9	5	4	2093953	2770575	918330.8	4881947	5605729	2394733	2579076	2838324	4258516
10.94443	10	5	5	571329	1503501	588654.9	1875061	857666.9	2088096	2136751	1394230	857309.3
9.848417	10	5	5	21519348	83539045	4354018	93351150	26046890	90495204	83805828	83707316	79960157
18.84933	10	5	5	119339.8	547465.5	182347.9	622769.3	103068.1	570646.8	735929.2	447149.6	290944.3
9.856867	10	5	5	19439928	1.05E+08	16720505	92330075	32143369	1.14E+08	1.13E+08	84701131	90882970
9.842	9	5	4	935759.2	3271706	926085.4	2591138	1652029	3322359	3619117	1813982	3244364
3.630783	7	3	4	115883.8	2210582	1465859	2911350	1326207	7162.27	1791833	3961602	2402190
31.2915	4	3	1	85962.95	489312	178228.5	420251.6	62777.16	690322.8	637146	493307.4	348510.7
15.58085	10	5	5	859891.5	6527441	1217563	5758373	1780089	8300549	6697027	6876303	5311485
9.999217	10	5	5	1950151	7840287	1038062	6773067	2737289	7908777	9045451	8401455	6269047
9.920517	10	5	5	1581619	8374089	1040385	7546339	2046562	8821175	6976836	7573353	9290703

9.952017	6	4	2	3823050	5253033	8708628	9697603	9033214	951673.7	1607647	1433250	20825309
10.95835	9	4	5	308786.5	821039.3	371115.7	665663.9	224840.4	891516	915665.8	1354900	409494.3
10.39823	5	3	2	235353.9	628356.2	182713.9	556443.7	76240.33	636809.6	909598.8	528283.5	418706.3
9.8445	9	5	4	1230378	4708562	1639330	3980369	1228061	4958324	4193849	3514528	7429571
9.976317	3	3	0	2267311	1578745	278413.9	3038076	3908331	1663942	1750202	1261350	1901362
9.40325	6	4	2	496032.7	2648016	1162390	3145480	769762.1	2751070	3069756	2759100	3911469
9.864767	10	5	5	41014548	1.77E+08	9707878	2.01E+08	64555873	1.86E+08	1.72E+08	1.85E+08	1.78E+08
9.582167	10	5	5	884571.7	3598562	513444.4	3247812	835622.6	4120793	4195978	3229246	3282453
10.9645	10	5	5	672695.3	3009523	680492.1	2675166	655251.5	3331486	3684009	2376169	2185080
9.976317	7	4	3	508952.9	970122.5	402341.6	744479.4	492919.4	1570648	949674	1104400	531444.3
9.920517	9	4	5	2235577	10259536	1805958	8463724	4594560	8594464	8138051	11773556	10725611
10.79303	10	5	5	2927657	7321412	385310.5	9621287	6164910	7524055	7742192	6796094	7054455
34.7235	4	3	0	301480.5	5527717	3017752	4402752	163744.7	3210206	4436216	10818105	4818420
9.197983	9	4	5	465405.2	1136953	541871.5	1470510	765392.5	1177754	1708637	348710.5	901381.2
10.0926	13	5	4	343498.3	991189.7	268306.3	1148720	353557.3	1085446	1016461	921323.1	597363.4
9.13445	8	4	3	53537900	99678595	2.22E+08	2.41E+08	3.3E+08	263697.8	572800.2	393757.6	4.97E+08
9.328967	4	3	1	844801.2	3819877	3011691	5125929	2101081	2235665	602774	2194656	6778060
10.52333	9	4	4	249335.8	720904.6	28063.15	670595.8	133396.1	709418.2	754991.7	679862	731059.9
9.960467	10	5	5	4023203	11343490	3736895	13372677	4349057	14052735	16528022	8381994	8284053
8.87445	6	4	2	563026.4	714951.4	696404	435402.6	342291.4	318697.3	768359.5	630346.3	1845609
9.960467	10	5	5	12334095	9751763	2584410	16863167	19007849	12082088	10457232	12012677	8011518
9.983433	10	5	5	594266.6	2016645	584626.5	1688774	717880.4	2629854	2594859	1894530	1294677
9.872883	10	5	5	1303962	6327991	1661384	5295976	2380127	5598649	6404660	4130475	6855280
9.856867	5	3	2	1154097	1124444	387904.9	2219045	2927058	1109540	619927.1	1686094	1227383
9.507167	6	4	1	494557.1	2065977	786488.9	1594763	1069527	2304268	1780760	2506815	853096.5
11	10	5	5	609044.6	3448208	715039.2	2864965	1453279	3693028	2617507	3187219	3212698
9.684583	10	5	5	455025	2138640	957189.1	1737028	591477.2	3131417	2743963	2515206	818615
13.42002	10	5	5	271639.2	1297854	368420.4	1736387	1142234	1271312	1765110	1400078	738234.5
10.02372	10	5	5	348709	996818.5	130339.5	853254	371725.6	983132.4	1144947	1023817	789481.3
8.343533	6	5	1	3197370	53017084	32696605	88032766	90447812	94006126	23974232	49419588	19646070
9.10275	4	3	1	2308536	5029174	4886072	3181632	1154025	8426305	11469195	565166	327937.5
21.64233	10	5	5	251939.5	1240037	272630.8	1078334	365531.8	954700.5	1678962	1287684	1120445
9.842	10	5	5	1645348	6715355	707892.7	6031672	1747841	6691960	7253004	7387953	6650202
9.992233	5	3	2	768001.8	764413.2	129031.3	1169036	1084069	801940.4	971990.2	719794.6	666589.3
10.95835	10	5	5	351924.6	2287749	456294.2	2059085	459767.2	2847853	2235993	1931114	1777309

10.93208	7	3	4	470273.6	1439110	653062.6	1185056	251489.1	1474917	2300613	881063.8	724717.2
38.82733	9	3	2	404694	5315847	1673022	7987324	7071183	2753306	4468676	6313355	6461516
20.40217	8	5	3	218177.3	922925.7	459230.8	640765.4	649206.4	920661.7	1281150	1469857	536677
9.856867	4	1	3	1938659	1384838	701048.8	3248362	4988313	2049814	1649341	1878684	986956.6
9.406667	5	1	4	651097.6	1320588	362186.1	1791076	1234142	1061875	1099937	1315718	1944694
9.5021	15	5	5	3021960	23364168	3012014	26088226	6914437	22025094	23256159	19289347	24977457
9.920517	10	5	5	2254581	6874768	1906872	7771620	1678746	7092182	5923115	5129937	10047487
9.960467	10	5	5	1154809	4204259	224633.9	3905785	784051.2	4151295	4517772	4343304	4032517
9.5021	11	5	5	1170557	2839566	725073.6	2329025	1233028	3639167	3552912	2616703	2385412
9.903567	8	4	3	1205171	3123981	278064.9	3811411	1839732	2945167	3478887	3348728	3024801
9.392767	9	5	4	891169.3	1816372	527109.1	1389625	1064705	2283503	2245313	1312209	1185563
42.09283	3	0	3	306529.1	4821957	97715.93	4538319	760582.1	4956590	4820526	4792839	4852987
40.0645	5	4	1	327187.6	5608200	1336618	5110977	122696.7	7372532	6541637	4265138	4461490
9.986767	5	3	2	2384181	2468838	2191356	1555101	1332316	6194411	824624.1	2071422	902622.2
26.1095	10	5	5	2716721	35237635	14770123	27890843	14708437	26104298	45312123	15942382	35842360
9.874317	10	4	5	1.26E+08	1.43E+08	2.88E+08	35163013	41256041	18836128	6.59E+08	15385016	14693100
9.999517	5	3	2	2197515	2010654	1397220	3166874	2897691	4290371	755853.2	1051586	1737644
9.445217	14	5	5	17004510	1.62E+08	45985356	1.35E+08	60631704	1.45E+08	2.06E+08	2.14E+08	1.38E+08
9.507167	11	5	5	1449327	10751125	5952377	7918049	5400264	13372039	8539525	5088927	6892741
9.915583	6	3	2	1009997	2546253	1215303	1989818	1004172	1334286	1959429	4549206	2620173
25.1015	7	3	4	264333.2	1548281	1551130	893361.2	994538.6	3098648	405964.7	535009.6	3384780
10.008	9	5	4	325304.4	1211423	152527.7	1071625	356028.5	1130467	1090403	1203588	1158552
9.992233	10	5	5	2242044	7399825	1425282	6410323	2383683	8829709	8570587	7729564	5542103
9.992233	8	4	4	760415.4	933524.5	373304.8	1278285	879024.6	1273990	1199504	1130014	602077.1
10.95055	10	5	5	366344.8	2405602	492521.3	2171919	444008.8	2961364	2749600	1943518	1844856
17.08867	6	2	3	215002.8	885136.8	692509.1	566141.7	581649.6	240383.7	62916.61	1423445	1579184
9.970617	7	4	3	709151.8	1183296	595009.4	1439363	409658.3	1752494	263645.9	1359430	1586830
20.45117	10	5	5	2657176	20764421	3236012	18040220	6852208	23543097	16191956	19056418	23966190
29.83417	6	2	4	195687.1	1356484	365573.6	1125121	540578.2	1620818	944217.1	1617023	1632234
10.97857	10	5	5	2829447	20004179	2973159	18222629	4066058	22741894	20083586	16092907	18105781
9.840617	10	5	5	2140955	1590706	336995.5	2934140	3615944	2159208	1585724	1509634	1285867
9.516467	10	5	5	5084394	14854292	2213509	13060726	4484007	16940820	17356048	14368724	13211703
9.960467	9	5	4	813302.3	2044563	421332.6	2230752	316723.1	2584073	1987572	2224201	1426892
9.205717	5	3	2	1247227	1755655	428104.2	2917371	3119220	1957764	1355971	1281369	2293887
9.3494	3	3	0	275459.8	1556994	757103.9	1192684	706191.8	2299653	1804438	2153231	945921.6



21.39367	7	4	3	131391.1	296987.5	297122.1	177791.1	149905.8	796750.2	286259.5	69388.68	73337.56
9.979667	7	4	3	1239273	878461.5	348363	1553197	1802035	1404910	945861.6	856407.5	451539.9
11.04868	5	3	2	468291.7	445638.6	87867.51	888538.3	1194643	349844.5	403812.8	482087.7	578414.6
9.8322	4	3	1	354110.7	786694.4	240400.9	574393.7	539110.3	945390.5	969796.1	846678.3	375866.2
9.9174	6	2	4	2794494	5866631	5718916	3451666	3703314	5832275	15742524	2484814	3339938
44.9835	6	4	2	390821.5	2624434	2485230	1666888	903272.4	1428736	2023908	7029222	1084912
12.01873	10	5	5	235324	451955.7	149906.1	686763.5	623945.6	434539.7	691944.7	323223	330825.5
10.95055	10	5	5	551310.8	3575716	683418.2	3254893	605064	3903653	4450187	2977585	2796261
9.994767	5	3	2	311267	611065.4	225718.2	458126.6	367165.7	918713.7	626147.3	724655.6	413270
9.507167	5	2	3	1484039	593114.8	394811.3	1399624	2160138	957855.1	952874.3	545104.2	509740.6
9.856867	10	5	5	2022889	3869997	255199.3	5884158	5445907	3832565	3918151	4215338	3884493
9.40255	5	2	3	11535511	51712753	38105885	33751833	34083279	86372994	8315019	67770657	13132011
9.976317	14	5	3	1394778	2736758	695645	2292865	1044475	1884558	2720091	2271136	3178243
9.8322	6	4	2	1118771	2339214	1138428	1684745	1469953	2384966	2633697	1116440	1513470
9.964417	8	3	4	1520156	3153745	2480328	2109450	1597829	7540454	1700744	2476493	1672530
9.848417	9	5	4	2410573	3663116	183813.4	5922190	6114804	3511381	3624407	3506785	3722348
9.929783	5	2	3	5954179	19486634	5182090	15897457	8684843	21052018	10910873	20936892	19634068
9.896717	10	5	5	17920240	1.92E+08	17681588	1.76E+08	40497694	1.96E+08	2.01E+08	1.72E+08	1.75E+08
42.79783	7	3	2	257260	3629295	1023522	3247400	191573.8	3528441	3554690	2252703	5138537
10.94853	5	3	2	203303.7	627734.8	314078.3	760229.4	204212.6	283876.1	349297.5	680265.9	782734.4
10.008	7	4	3	4056327	3321497	2281021	2444794	828236.6	2462090	2799764	1078314	7158715
10.72028	8	3	3	160558.7	453451.4	262279.9	347238.7	142373.7	184796.2	779907	546752.8	573212
8.874167	8	3	5	200265.1	523186	188462.4	418745.8	229993.7	546776.1	687547.4	306983.8	353792.1
16.79617	5	3	2	91699.47	404715.8	113556.8	356877.1	73648.28	341233.7	499701.2	240777.6	432965.8
9.295167	8	4	3	453856.8	2533694	1186303	1886626	1411660	2851036	566243.1	3749454	2544362
9.840617	10	5	5	5020975	24660200	2675406	23293906	2836454	28174909	26300278	22465516	21698527
28.8185	9	5	4	913282.6	7271985	4003848	5467448	3221977	4565910	8981358	1860336	9051562
23.99617	6	3	3	146948.8	381723.4	195662	268705.4	255164.7	239757.5	475754.3	135676.3	427752.7
28.80467	8	4	4	537471.3	4522916	2513966	3420698	1871680	2963392	5140569	1251444	5427953
42.582	7	4	2	415733.1	5815057	4216452	7389256	885198	3807214	927481.3	11993243	4629838
9.992233	8	5	3	1405289	1047203	255069.8	1232811	456460.6	1055862	606498.9	1190920	1148208
10.9645	10	5	5	349106.8	1275585	321593.4	1106298	360962.1	1846850	1070183	1163572	1134720
10.99268	10	5	5	535235	3658010	589719.7	3333901	712117.2	2700383	4104816	3567758	3751662
9.547133	5	3	2	876232.9	4417319	2703324	5713556	2532588	3564379	5071635	237509.1	5892376
10.49953	8	5	3	21759584	16665234	6029933	33954622	46726554	20478912	8665945	17340090	23911034

8.874167	10	5	5	6834337	27183078	11373861	34430152	17129823	22747841	46160582	28974541	18296088
10.36388	6	3	3	247612.6	355090.3	108416.3	436850	202981	434859.7	192114.4	462842.1	375835.6
10.95835	5	2	3	363150.7	922819.3	254518	773134.4	342060.2	1119211	1168893	1024071	619898.5
9.559117	8	4	4	279942.5	570618.4	203827.2	446181.4	289325.2	693426.9	835335.9	465486.5	552097.7
9.419733	6	4	1	784647.9	2352300	1745301	3267368	1948957	2000041	5287042	2394729	1022178
9.175017	4	3	1	410047.1	1770355	934538	2466777	1725869	1583498	660160.8	1503471	3234900
9.960467	6	4	2	677969.4	1235869	356939.2	1011497	528156.4	1733816	1220173	1424938	887150.9
9.928667	7	3	4	752814.3	1614657	355909.5	1385028	546079.6	1985150	1846167	1759948	1153000
30.3085	9	5	4	782214	5026641	716044.8	4519104	1242755	5155298	6058516	5223893	4281155
9.856867	10	5	5	1333989	6464350	1114442	5500017	2459499	6705836	7082452	5059627	5640166
10.9645	10	5	5	1556094	7268587	1677311	6403062	1822502	8514821	8806483	5175507	5757837
8.964883	7	4	3	14658796	2.3E+08	48743510	1.85E+08	1.15E+08	1.7E+08	2.96E+08	2.59E+08	2.12E+08
9.858833	10	5	5	20179278	1.07E+08	20807784	95483517	25478912	1.19E+08	1.01E+08	72943300	1.21E+08
41.359	6	3	1	287619.8	4462312	816245.2	4157661	185968.5	4428627	5670131	3367215	4386038
10.03947	8	5	3	636847.4	772396.7	238084.9	1158935	1035429	725164.4	849089.4	743126.7	1102277
9.992233	9	5	4	1166019	1949666	1024910	1472647	901864.2	1148273	2489603	644517.9	3143736
9.659033	10	5	5	5498906	35992213	20873707	24519805	25301788	57611976	29637330	16022879	18031788
9.976317	9	5	4	747054.2	1536818	1008964	1111232	667400.1	680925.1	1239674	1116406	1365272
9.976317	13	5	5	2292670	6323651	2172970	5303198	1955531	5348999	6216102	6207479	3990763
28.45183	4	1	3	40258.4	81609.17	34701.83	98830.15	35114.16	97613.58	115524.3	36108.04	53608.71
10.32122	10	5	5	466337.6	1503819	217020.8	1351648	372344.7	1740293	1731218	1374285	1273046
9.920517	8	3	4	1976607	4142214	2143045	3231245	1463403	4823754	1883956	7475038	3544050
9.976317	10	5	5	854219.5	3597108	788177.2	3171161	931120.5	4112089	4536949	3623227	2510868
24.14833	6	3	3	328274	2067857	774287.4	1651355	907625.9	1688784	2322450	1268225	1780522
28.404	6	3	3	579662.6	5671790	2828665	4396080	2309869	3512615	6909762	2052100	6847074
11.49785	9	5	4	130029.6	614013.7	212078.1	479477.8	319018.2	872001.9	753146.6	497924.2	330273.6
9.853633	5	3	2	8672575	5100096	5377489	12569900	19926124	1377600	1511524	1250788	13113447
9.41815	6	2	3	2120027	11548932	7506130	8182403	6048534	12658384	1392546	13840287	8110725
43.76167	9	4	0	289311.6	4042737	2623918	3079811	156925.1	2190409	8414699	2000334	4399657
9.992233	7	4	3	330632.7	930174.6	126327.7	758081.5	458746.8	903534.8	1135144	888774.3	790915
9.976317	10	5	5	3838783	5648649	1428780	7638679	5311048	6455050	7107853	6433869	4363811
10.9645	10	5	5	345466.5	1457328	204433.6	1321769	326760.3	1605752	1660461	1231746	1244245
9.929783	10	4	5	2272800	4919806	795206.6	5963072	2776173	3780404	4484457	5496751	5093922
9.9754	5	1	3	2909350	3471995	2755140	2263068	2090701	3542763	493715.2	3767879	7776991
10.95835	3	0	3	354966.6	458335.1	202384.7	784389.6	875539.6	472605.4	503013.7	573197.9	629634.5

9.43365	5	3	1	1688849	6252077	6865511	9322358	5498205	1439755	566092.8	2189361	15827665
10.93208	5	2	3	884065	2853550	717854.2	2481609	790392.9	2341612	4059355	2347597	2570427
9.856867	10	5	5	16238852	1E+08	15120602	90640174	22817249	1.09E+08	1.05E+08	78976014	91001596
10.95835	5	2	3	359063.1	883624.2	211642	1054272	432167.1	944357.4	1197433	732566	651023
9.992233	5	3	2	673770.5	761651.7	402808.3	986633.8	503854.5	731500.6	1423965	531118.7	755326.6
9.992233	10	5	5	1821770	2726782	1186916	3629426	2260092	3339775	4076533	3257798	1631704
21.8195	4	3	1	89933.29	165676	52682.33	259159.9	252074.6	204909.8	176694.5	195759.6	73985.92
9.40615	6	3	3	440388.1	918562.8	201111.5	671940.4	654666.5	990526.5	1108665	577299	979002.3
8.94625	8	4	4	378056.1	839990.9	350100.7	1023406	393923	1033852	1316532	655407	788820.2
9.986767	6	2	4	679844.5	764949.8	434114.9	1169814	1048941	722626.1	178356.4	783947.1	1402759
10.9645	10	5	5	534614.5	2111509	392714.4	1870102	567417.1	2000267	2090852	1750318	1938490
10.01477	10	5	5	1147335	3025669	1024262	2456055	1274111	4155238	3790677	3186291	1683769
10.9645	10	5	5	314311.2	1352871	285076.1	1206932	308142.1	1493398	1710112	1223651	952850.3
10.9645	9	5	4	157560.1	435210	140257.4	534643.7	245157	521311.1	641356.3	326986.2	351390.3
24.72467	10	5	5	49340.5	230491.7	85615.07	277189.3	103266	241278.6	193663.9	200749.3	145674.4
44.581	5	2	3	227036.2	2844980	739403.4	3171546	575310.3	2973069	3164553	3219560	1542236
9.536783	10	5	5	1544222	4438374	656244.8	3785357	1705715	4686220	5127973	4400248	4613140
9.4775	12	5	5	1129040	5836452	2158744	7459571	4061071	5917730	3011061	4604990	7039330
10.95055	10	5	5	236498.1	834352.1	214119.7	719168.5	252581.3	1008469	916467.5	637757.3	1034644
9.40325	6	4	2	825704.8	1010887	145477.2	1329454	864256.5	1111074	989072.1	769173.6	1127023
9.8445	9	5	4	2520538	4929240	971182.1	7135689	5990957	4774395	4678607	3809374	4895498
8.911617	10	5	5	1769374	8601994	2807396	6964758	3763282	9879660	11620259	10029584	6827928
9.94455	9	5	4	1496279	3411568	1348242	2658602	1691774	4561806	4821632	3591939	1748380
9.9014	10	5	5	954804.1	3874009	1736198	3092231	1427334	4518314	872501.2	4921154	5111581
37.96417	5	3	0	316501.5	4890958	1498389	5440680	182600.5	5468576	2214146	5679508	5568625
9.887133	10	5	5	6.41E+08	4.16E+09	3.01E+08	4.7E+09	1.46E+09	4.43E+09	4.55E+09	3.97E+09	3.94E+09
39.96517	7	2	4	365947.1	4626643	572275.8	5131655	1302176	4402296	5021884	4907386	5080032
10.01477	10	5	5	293515.6	862520.4	78531.9	950676.6	233229.6	918599.1	930713.6	876616.8	852927.6
9.857683	9	5	4	14094366	60525811	15994066	69883521	21582200	59318096	44044275	45782348	78590253
40.75483	7	3	3	413288.9	5160209	3372578	6968255	3967580	838612.7	4786438	10296686	4623003
9.986767	5	3	2	276183.2	569607.1	253115.5	399993.5	412696.1	168116.8	867976.7	636045.8	565991.6
9.8322	5	3	2	520909	1444831	189967.5	1313282	323242.4	1488125	1428429	1339644	1737038
9.419733	4	3	1	611622.5	2087723	828457.7	1698525	756777.2	1582241	2822669	1003029	2966692
9.872933	10	5	5	3423301	6527462	831336.1	8351849	4960478	6309326	5414151	6828414	7696889
10.008	10	5	5	406756.6	1225391	158363.7	1020009	549111.5	1369378	1148449	1419541	1064314

42.12167	5	3	1	707823.5	9491626	6060067	12216923	4988165	15140964	3623942	14943102	2565681
8.344283	7	4	3	807536.6	19161140	19625271	11807466	5867240	9668563	10922456	10366634	10589778
10.00098	8	4	4	330148.5	691596.1	173719.9	802994.6	267347.9	502116.8	899592.7	723193	806709.2
9.392767	8	4	4	772796.4	1331175	789897.6	999906.7	526005.1	2059170	135008.6	1430228	1037702
9.445217	7	4	3	1148071	2716517	1348695	2049598	1374065	4984703	2597455	2564928	1495247
10.39823	10	5	5	274017.2	734853.2	317771.1	601170	214356	789833	1212131	776214.7	389446.5
9.40175	9	4	3	1489327	9440848	3287333	7525961	4417691	8117176	4587814	10885999	13329768
9.999217	10	5	5	841551.3	2990271	298078.4	2868089	181900.2	3218787	3149480	2835259	2537218
9.729367	16	5	5	5.05E+08	3.9E+09	2.21E+09	4.76E+09	1.03E+09	3.37E+09	5.37E+09	6.38E+09	3.78E+09
9.701933	9	4	5	547406	1489086	415819.2	1294158	379199.9	1257571	2137916	1671707	1145925
9.4873	11	4	5	1741755	5095480	7926173	2195802	984139.1	1271084	2049014	1169624	19260052
10.45433	4	3	1	116911.3	220614	89511.46	184164.4	53134.44	288027.5	189806.7	202272.9	97349.2
21.167	6	2	4	134553.8	298310.7	92495.4	356221	137957	276800.1	435481.7	179759.1	278728.3
37.3885	6	3	1	432436.4	9868786	3779769	8410027	1628417	16153447	6817579	6991948	9692310
31.42217	7	3	4	2333654	14679712	16104148	8497472	6625230	2878517	9186637	774111.2	39971154
10.9645	10	5	5	518678.7	2495203	356711.5	3045708	1485864	2886653	2835721	2259555	2072272
9.8322	5	4	1	1331540	1352029	403217.2	2079086	1972296	1496693	1001166	1958601	1322468
9.976317	10	5	5	1151492	2110501	510138.5	2600706	1281947	2108308	2574251	2597887	1898808
9.856867	10	5	5	13810800	64032833	16064709	52094843	29950058	64936788	63354814	43323939	60267375
9.283817	10	5	5	467106.3	2387542	781844	2004509	784274.1	3359424	2758415	2301015	2291633
9.224517	3	3	0	275133.3	1217482	557723.2	898489.6	730727.1	2005862	851991.1	1426073	1252599
9.979667	11	5	5	5689764	11523513	5771849	8848916	5142991	18257318	15547271	9178589	3390534
43.93383	12	4	3	283441.1	4586419	2230461	3707917	1120631	8418141	2590587	4169680	4040729
38.2805	7	3	2	378640.2	5732981	1126843	6175352	555262.7	6232860	5428218	3944585	6163075
10.97242	9	4	5	1249944	3521180	459297.1	2941373	1552531	4099110	3891130	3063858	3128451
9.856867	7	3	4	671368.2	2223582	426022.7	2742539	1386813	2088047	2042298	2943875	2214884
9.928667	7	4	3	1192369	2523385	1191917	1724491	1952933	2507166	2327192	1466422	1794056
19.14367	9	5	4	239897.3	325020.7	205993.6	539727.5	567260.6	655718.2	155299.7	393593.8	194144
10.9645	10	5	5	3599381	10078970	3589187	8250216	3890709	10995043	15667411	6559819	9730524
9.952017	10	5	5	1026981	3334901	886939.6	2870059	1011020	4375122	4146919	3121122	2422835
24.84	9	4	5	78123.9	297426	96495.25	247753.4	106578.8	356097.5	316913.9	207819	190614.7
10.9645	10	5	5	2026449	9437594	2168014	8465967	1785723	11721944	11450599	7516141	7021583
9.93625	10	5	5	8228286	34003131	5790661	31445453	4591986	42098921	37620441	30158319	27859606
9.352183	7	5	1	439516.7	1334465	598633.8	1022021	678575.6	2239539	1171718	1118054	1520215
33.36933	8	4	4	205072	688296.4	694696.5	412685.5	368504.1	268519.3	329893.8	50174.17	1724771

42.697	8	2	4	345168.1	5132269	939111	4593896	1239178	5577823	5646007	5425339	3458429
9.983433	4	1	3	1659842	3333462	2055436	2216090	2495914	6082598	1209828	4232219	1375036
10.97242	5	1	4	264120.4	459085.5	205457.6	704723.4	657037.6	639068.7	716665.6	346990.8	248499.1
9.023433	10	5	5	757021.5	2422603	667913.4	2129835	520261.5	2341586	3131262	2055846	1548141
9.960817	11	5	5	5665009	19123021	7621616	15508880	7198168	26108982	17547197	6638986	22974711
10.95055	10	5	5	831723.4	4410235	1340933	3793215	1183860	5945840	4718804	3086895	2955613
10.95835	10	5	5	1504276	8791017	1719255	7811009	2252768	10072710	10521316	7067546	6845568
9.848417	10	5	5	2423475	14551507	2832413	12477999	5210256	12241191	11998870	13783609	15989648
25.54833	5	4	1	158909.1	1023213	350709.9	847187.8	371468.7	647171.7	1560201	853246.3	898695.1
9.270733	10	5	5	1114324	4256343	663966.4	3489570	2048882	5352068	3857168	3822454	4425594
10.97242	10	5	5	2087388	3375053	425624.6	5558601	6018018	2754372	3945868	3373672	3478895
10.9645	10	5	5	236840.2	1270445	280280.5	1157937	159335.5	1478787	1549822	915276.1	1034109
10.97857	10	5	5	539365.4	2801513	747130.7	2471771	594775.1	2727938	2831824	1909730	2564034
9.859983	9	5	4	870435.7	4241395	780342.5	3468437	2038717	4016526	3554235	3626602	4575028
9.697633	7	5	2	198324.6	522468.4	131433	445905.9	178126.4	531742.5	611613.5	683500.8	419914.3
9.960467	7	4	3	1296997	2059169	678729.7	1680455	861624.2	2644916	2879448	1921907	1385940
43.08517	9	2	3	397502.8	3355418	2208510	5732244	6319161	2307917	2595881	7299154	2294704
9.856867	10	5	5	1234538	6132228	1048893	5452792	1650568	6862394	6443511	4781521	5312577
42.53883	13	3	2	245042.7	2579277	1105085	3011279	544042.1	2853126	2733132	662571.3	3279843
9.903567	9	4	5	3868708	5592113	6283188	3299254	1024276	2927066	16787782	3635343	2430947
9.103733	9	4	5	451951.4	1159863	166444	1008250	396262.3	975147	1424817	1099091	1113999
9.362817	9	5	4	1002196	6608495	2577448	5112034	3478861	6204036	2341221	8028480	8903864
9.3735	5	2	3	3951334	9021181	5750519	6395189	5004804	3950533	3705002	7602034	13108112
10.95835	10	5	5	195038.2	710325.4	206572.4	612998.8	193176.3	967996.2	880461.6	537623.5	502203.4
38.16533	7	2	3	442209.5	6354691	1987385	5593810	842892.8	6601732	3116119	8578778	6803118
9.983433	4	1	3	2750988	3732492	1976038	2501745	2951214	5260027	479404.9	3899299	5366350
9.43325	12	4	5	4406048	17790227	22883231	9267150	7041906	57716556	15347969	7499009	1123149
9.983433	10	5	5	595319.3	2453780	498009.8	2138086	762332.3	2763020	2970162	2600557	1707339
9.311417	5	3	2	3236744	5749174	7139502	3080090	2345028	12041086	14936307	581601.9	718648.5
9.999217	5	4	1	806500.5	1686682	559820.8	2088578	1007761	1286104	1852947	1653207	1103459
9.009533	10	5	5	7305357	49677298	10775532	54837857	10450503	52586927	65970433	49770538	38556270
9.992233	10	5	5	577919	2232021	138053.6	2002002	627055.4	2316937	2076703	2425272	2168541
23.70233	5	3	2	95917.78	243291.1	38711.82	307018.6	173680.9	263906.5	225665.5	201519.1	299842.9
7.333667	9	5	4	1075569	6317984	1203239	5277690	2704715	5059903	7102428	5606737	5818371
38.46733	5	3	1	833250.6	7371764	4394848	9355418	3731558	11713669	5733262	4176583	2853629

9.473717	8	4	4	1086904	2954755	993729	2510132	825621.1	2866764	3791739	1870743	2119641
9.538267	7	4	3	1467510	3159375	4048512	5821631	6518377	2395461	1659359	936851.8	517704.9
9.205717	4	3	1	392793.9	799941.2	322070	1163480	972873.7	763588.4	511683.5	673674.8	699102
11.43992	9	5	4	842769.5	1388614	356110.2	2276994	2444014	1652435	1724389	926213.6	1094531
10.93468	6	3	3	166436.3	413419.1	106877.9	562575.3	404252.7	473285.3	560893.3	290715	341766.9
10.95835	10	5	5	527161.1	3547928	634965.9	3228817	678330	3841036	4381602	3027602	2810436
9.960817	5	2	3	2267311	2225122	1548599	3565536	3488602	4797332	981966.9	2425703	1128032
9.874317	10	5	5	1709911	7113304	735335.2	6418428	1829527	6874619	6118835	8098357	7478007
9.992233	8	4	4	490740.6	1354316	425854.8	1062067	725537.3	1669741	1859704	1203579	771006.5
9.9677	9	5	4	3470520	5140922	877908.1	5762801	1557098	5218958	4277105	6144944	5837638
9.43325	7	4	3	576129.4	3195253	459822.3	2613052	1570791	3380108	2758243	2743447	3837654
9.43325	7	4	3	733067.9	2968943	937137	2462058	1137658	2824273	2721623	2391943	4599825
9.976317	4	3	1	3802510	2741535	2523253	4875775	5538034	1063256	1071038	813855.9	6434184
10.9645	10	5	5	311394.8	1699025	415310.4	1491862	437902.4	2030522	2125858	1268856	1253019
9.9677	7	3	4	2007069	3814372	1488483	3008629	1810288	5936219	4281639	2422244	4078243
9.887133	6	3	3	1846390	4287598	2537613	6445793	5606271	8114033	3932705	3961973	4437417
41.37333	6	2	3	425863.5	7677707	2680216	6534030	1956203	5115842	6715090	12228762	7112389
9.119933	6	3	3	2483304	8390956	5916696	5743757	4934246	1375340	6301540	16041818	5453915
10.9645	10	5	5	1946371	9182424	2074122	8231011	1838296	10932513	11500014	7234229	6953851
14.95637	7	4	1	268405.3	3284305	976745.8	4039093	1929016	3766408	4783667	2665236	2713363
9.9014	8	3	5	1343436	5878563	1615160	5204790	1094302	6252082	4253912	6954295	7766732
9.46265	5	3	2	1124679	1031423	492962.1	1977032	2593370	610402.9	1256952	1763220	583565.8
9.328967	5	4	1	314316.7	939368.2	496716.4	1334993	1017435	1252856	518486.3	1633197	816651.8
22.77133	7	4	3	238210	787984.1	1093104	1369666	1294899	2721526	209029	228190	194995.3
9.406667	10	4	5	543274.1	4707384	806123.4	3759428	2550260	4310364	3638847	5654802	4600319
27.74417	9	5	4	445507.4	2206470	1109947	2981969	1939706	3958872	1746189	957418.7	2389992
10.95602	10	5	5	404335.6	2256719	828112.5	1837435	901123.7	2970132	2754248	1096244	1666413
9.40615	9	5	4	843884.8	2188448	576989.4	1764003	1075671	2812723	2721575	1720685	1526517
20.85467	3	0	3	2938533	9500185	3895964	14577463	13756771	7951662	14100912	13117731	7119281
9.45945	10	5	5	2742398	13123756	3874366	10373951	6911639	15176193	11574076	8972489	18791188
9.983433	5	3	2	632108.9	1351327	526809.4	1133805	346593.4	1052912	837555.8	1043800	2044688
9.992233	10	5	5	2251717	7996255	1753125	6879701	2719404	8936062	10146253	7582152	5426151
9.9677	6	3	3	1780236	2595948	842264.5	2120029	1101021	1796683	1974751	2288494	3124083
9.928667	9	5	4	1045391	2270893	504165.1	1990251	644094.6	2688734	2809621	1840344	1670104
9.94455	5	3	2	1010632	1891924	534086.5	1651140	457168.9	2190065	2458464	2170409	1311065

10.13878	9	4	5	665739.3	828572.7	224070.5	1335291	1398290	794912.4	968107.8	450265.3	964018.5
10.15407	10	5	5	578857	1147367	327361.6	1404714	662392.2	1665468	1175773	1065841	765416.4
11.64913	10	5	5	3759319	22105941	2905065	20457054	3827189	24327768	24884572	17804800	20670933
10.95835	10	5	5	503674.1	2958448	870222.7	2554569	798217	3551613	3611575	1895581	2123694
10.94853	6	3	3	674030.6	1597763	168411.1	1871475	749913.2	1762003	1344081	1736308	1543891
10.03947	9	5	4	377529.2	799009.3	157701.4	950343	401247.2	653828.4	805338.5	1061914	764804.5
21.3655	6	4	2	696518.8	4785545	1136564	4310318	786301.7	3675212	6386115	4393988	3957020
10.34868	9	5	4	172883.9	531986.7	130047	442418.6	223899.5	597473.9	705346.2	548394.4	419528.1
9.992233	10	5	5	2501276	2921823	833118.7	4169686	3410233	3533568	3336308	3654387	2313528
11.63327	6	3	3	368174.6	2487544	289704.1	2228929	679856.9	2446999	2778711	2122296	2311067
10.97242	11	5	5	211649	1016063	496329.2	769406	524085.5	1571821	1417931	413257	628079.9
9.976317	8	4	4	735797.8	1395455	763666.4	1857942	1107451	1254742	1222690	2721830	962642
9.976317	10	5	5	1732324	6603780	1178135	5975925	1407216	7330335	8022167	6668345	4966496
9.952017	10	5	5	1689670	5087911	904341.5	4405694	1744384	6039005	5892461	4181266	4145219
9.840617	10	5	5	2118680	3223531	448198.9	4911585	4691723	2836560	3070276	3860601	3506582
11.5505	4	1	3	57879.01	204982	40410.87	188603.7	25008.74	200419.2	216894.8	142161.3	253746.8
10.90802	5	2	3	156220.2	583468.1	139489.3	466312	305772.7	606781	726972.5	352898.3	587981.7
11.30077	8	5	3	79674.95	300760.4	109320.1	251171.1	95575.46	248291.5	174019.1	308637	470829.5
11.04138	10	5	5	442077.8	2545432	796897.7	2147095	852838.2	2289803	2501051	2543371	1594824
9.946467	12	5	5	2096197	4411880	2068426	5766731	3343771	2811768	4573405	7242088	5381711
29.9215	10	5	5	756314.5	2761722	862912.2	3484506	1886673	2003460	3229599	2799954	1850653
9.18195	6	4	2	15561064	33571151	70330482	67877453	71931459	1.59E+08	1824899	3611818	975317.8
9.66805	8	5	3	371457.9	1579879	382217.6	1887964	799269.3	2072919	1255252	1588667	1823025
9.904767	7	3	4	812760.3	1843021	564414.6	2292504	1163703	1437649	1844399	2805071	1444255
9.507167	5	2	3	1546699	621652.7	208474.3	1431415	2253211	575618.1	902057.1	354460.3	740946.9
9.8322	6	3	3	639605.4	2118082	665428.7	1774219	757048.5	1844316	1261278	2973926	2565214
28.2585	6	2	4	56970.94	253684.7	112904.6	211082.4	45732.52	417781.1	110132.1	234645.7	213618
9.928667	7	4	3	1207331	1882536	921088.8	1373003	1172357	2781580	321394.2	2082109	2087529
9.999217	6	2	4	646532.6	1098683	699098.6	1405348	563354.9	1661039	0	1243251	1703199
9.8887	10	5	5	2455595	8326698	1718042	6820852	3960858	8014030	9014483	5482068	9343860
9.559117	9	5	4	327638.8	710235.7	218218.1	568525.1	349419.1	647748.9	1094003	643756.7	617572.1
9.856867	10	5	5	2802781	6786414	1459270	8809046	5528066	7944641	6851468	8186536	6415638
8.985083	6	2	3	172085	283047.2	191392.6	366759.9	153246	143155	471255	467435.2	290101.3
9.951283	11	5	3	1706831	2723523	312583.6	2305181	1141626	2769617	2181183	2978997	2856641
20.76767	6	2	4	1155254	11889172	1747950	10160334	4616567	13909696	10046421	10062390	12561502

9.840617	10	5	5	8771441	45077447	10880278	38173628	16902858	48768559	42775991	28634931	46647783
42.6395	4	3	1	365148.2	3364928	868186	3052315	122141.9	4254005	3162812	3210672	4103066
9.992233	9	5	4	520805.9	1851456	275329.6	1643088	535221.4	2168043	1928755	2008476	1474466
24.07233	5	3	2	98636.97	213487.6	76177.73	305737.6	250546.6	128227.6	253139.1	257829.8	135369.1
9.421167	7	4	3	941858.4	5956507	7640911	3072470	3148087	1823952	1273104	2831972	19459065
18.327	6	4	2	258275.1	2178638	341264.4	1909661	696599.5	2316485	1984579	2470139	1675941
9.864767	10	5	5	1759398	9598230	730391.2	8484915	3057758	9482548	8707895	9360920	9720611
10.33625	10	5	5	1232255	6019764	2392018	4780960	2739922	8057168	9002668	5181937	4369965
9.392767	9	5	4	1937185	4373343	1299932	3528173	2088649	4736627	5299607	2993488	3029025
10.01523	10	5	5	10074008	17160466	4936239	26589793	26079315	17210877	19958117	23056519	15673125
10.94208	4	3	1	324295.3	445025.7	73696.64	558034.2	310592.9	494017.7	534532	450210.5	351231.1
9.232283	11	5	5	13316722	55844984	37731043	80437848	60837633	48944258	1.01E+08	88041093	29602815
40.23717	5	1	3	246227.5	2845836	284041	2617446	594155.2	2769723	2455613	3205354	2777403
8.888317	7	4	3	264314.6	2074011	1032884	1622621	828751.5	3422285	2666007	2015337	729820
20.51567	10	5	5	1594248	9369603	1113929	8547827	2102177	8193852	10575874	8538699	9023081
9.951283	9	5	4	656683.6	2078447	551111.5	1768082	723675.7	2658330	2439425	1603259	1390585
9.433	4	1	3	663641.6	2025725	224046.7	1643552	1054627	1935569	2067053	2193276	2245498
10.9645	7	4	3	340884.5	1185532	320946	984618.3	490635.6	1550029	1417725	878285.1	829902.2
10.9645	10	5	5	1611079	7442263	1438609	6582415	2062259	8533774	8587593	5599664	6172222
41.2155	5	2	3	454925.4	12034456	2607517	14183574	5616949	8230334	13938108	13844676	13785508
9.840617	7	4	3	812887.6	2163200	476057.4	1800944	933208.4	2270165	1586199	2699293	2499341
9.858833	10	5	5	7397248	30495762	3330229	35020154	12384353	30193805	28206013	35108858	32287200
9.388617	9	5	4	2525098	2764764	1153983	6127049	9367477	3062032	1480054	1845466	3038092
43.8475	6	2	3	885152.4	13170856	8630809	8911241	9086357	3010794	18258529	4546028	20592870
9.994767	4	3	1	202904.4	373749.8	225442.6	274877	182940.6	0	547781.9	354953.7	550437.7
10.31255	10	4	4	800627.8	2132886	1035421	2595461	881551.8	1642760	3483279	2321157	703234.3
9.43325	8	3	4	4185376	12308563	2207370	10143584	5792198	10399990	10591375	15669983	13325169
10.94208	9	5	4	173211.6	862188.2	207939.1	736797.2	302143.1	1130921	722192.9	744399.9	673404.2
8.949567	6	3	3	256837.7	842660.2	782970.4	542853.4	367597.1	816668.3	2199561	442764.5	469361.6
8.91745	8	4	4	135618.2	257719	60703.71	321923.2	173065.4	290554.1	290113.9	308720.3	239952.8
9.856867	10	5	5	15940813	39507699	10518087	34725026	9351877	49125829	51057331	31264047	27338451
9.976317	5	3	2	329561.7	610825.4	428179	432008	301488.1	881271.8	1127746	688717.1	98831.55
10.01837	9	4	5	439678.8	792447.2	362025.4	1021648	562967.9	933804.5	340600.7	1156003	477364.5
10.9645	10	5	5	2509076	12334422	2723691	11076301	2510955	14707374	15349400	9902294	9328556
9.431017	4	1	3	434957.5	1856001	886943.3	2524644	1721939	1965437	739938	2769911	1177937



10.9645	10	5	5	1259140	6013769	1189758	5464095	1097584	7054545	7268864	5010543	4605314
9.864767	10	5	5	5007937	24448835	2486259	25725108	2817007	23876873	21855771	23425720	28525050
9.8445	9	5	4	3762795	4892437	1374696	8004365	8656739	5429256	3693517	6471485	5642222
9.859983	8	4	4	2716809	10484962	4409892	8102854	5443031	10611195	5880357	6523777	13082058
10.9645	10	5	5	1240518	5926979	1226182	5414520	867545.5	6936184	7332509	4919398	4511075
10.72837	4	3	1	358195	357220	71114.91	584371	634469.2	335503.3	295688.8	318164.8	359349.1
9.856867	7	4	3	1294935	1614907	826850.6	2730685	3059706	1706182	1328928	3004260	1036548
9.536783	10	5	5	10349099	33881829	6771160	29184974	11875766	42744024	39124471	30731380	30334140
10.86045	10	5	5	2209887	7774085	1858934	9006217	3077432	8991060	9488005	8860734	6041780
9.972483	8	3	5	1202075	2527665	1094332	2030333	975303	4047214	983181	2735186	2302099
10.90012	7	4	3	155291.4	352658.3	130585.5	290805.5	127389.9	436973.1	286258.5	268973.6	231389.9
9.56645	4	3	1	490901.5	676134.9	334840.1	485150.7	450239.2	593689	584433	454520.8	482967
9.778967	5	3	2	2987431	2258224	696249.7	2958327	1882791	1467461	2609168	3218757	1740582
10.9645	10	5	5	1063501	2175109	909268.4	2839150	1702324	3090237	3233851	1569884	1339471
18.02733	5	1	3	407251.8	4324019	779770.7	3863460	1104885	4307970	4783795	3093229	5162488
19.35833	6	4	2	169387.7	477822.6	623305.6	768955.3	591911.5	228589.6	234768.1	168453.5	165976
9.952017	10	5	5	1828062	6322004	1033467	5412210	2412673	7641934	6697582	5156632	5389728
9.992233	10	5	5	2222341	2545719	754774.8	3694682	3173533	3095510	2787512	3302311	2042880
26.1525	10	5	5	854250.3	9739209	4523911	7632533	4271875	6428604	12721373	4021209	10413554
9.914217	6	2	3	666269.4	584201.6	692977.7	1073329	1245490	405217	1644242	0	0
9.999217	10	5	5	2293081	7557719	1550623	6522063	2598675	9106262	9030907	7547027	5544180
9.93625	10	5	5	2657663	5182205	2020870	4236716	1928445	7575697	7166787	4152697	3539103
5.57725	4	3	1	291903.3	3751145	1188384	3068968	1618084	3501566	5231238	4697707	2407408
9.189117	4	3	1	816884.3	1340179	719825.5	2385658	2884990	1102488	384246.6	1307460	2371240
9.8445	10	5	5	1058047	2979242	801279.6	3492342	1272168	4172030	3409245	2642752	2436181
14.399	11	5	5	1180692	10615222	2470950	8977089	4107142	12687001	11329549	7812434	8198270
9.976317	6	4	2	453926.4	859442.7	498830.5	580738.4	652887.9	1159833	48706.79	887410.3	845020.6
32.157	6	3	3	105151.5	317037.3	136671.2	244333.2	165579.9	159504.8	324863.9	215008.5	505127.3
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7.318367	7	4	3	312524.5	1380886	366851	2215714	2333152	1475748	1760034	986818.3	1003956
8.9536	10	5	5	496975.4	3165750	726951.2	2807657	770893.7	3652778	4073240	3126451	2230029
28.62167	5	2	3	68331.63	284254.5	122138.8	226625.3	119032.2	332307.2	98924.55	413166.1	344838.1
9.979667	8	5	3	2311761	1000855	238380.5	1469835	1307283	1202979	1284591	968485	741962.2
44.9835	11	4	3	376556	3666372	2192542	4624918	1791593	413692	4805575	2414782	5100969
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10.9645	10	5	5	1571702	7427832	1470185	6820040	1021161	8408122	9254089	6326474	5657969
9.43325	6	3	3	1223953	7144584	2974543	5878089	2266282	3948393	9010763	9200029	9714903
9.67	9	5	4	535783.9	2452179	955911.1	1963614	1085674	2575490	2477463	2015276	1291195
9.976317	4	3	1	1109912	2331968	1697122	3130118	1647366	949212.6	383132.8	3939194	4127165
9.431017	10	5	4	6581487	19022783	5397498	27200099	22661886	15457823	18190988	23645347	25302746
9.872917	10	5	5	3496773	8741128	1542751	12697081	11091067	9037028	7825205	10724242	9425617
9.8445	10	5	5	3228226	15419212	1709479	14432556	2356959	17350706	17128083	14412599	13574711
9.859983	8	4	4	1408835	4355005	1657429	5491923	2887319	3908813	1862366	6250076	4407878
9.857683	10	5	5	6150483	40148669	6485056	35205431	12863898	37269340	42201169	34444878	36277355
9.992233	7	3	4	403777.5	675820.5	239858.2	786095.6	222186.8	971519.8	784971.1	763487.4	399528.8
8.98945	10	5	5	547540.3	1727657	586378.6	1501920	299199.6	2256794	2458119	1179929	1436574
9.088183	9	5	4	31875860	1.07E+08	24877381	90864239	39803461	1.44E+08	94356562	90133533	85377133
9.445217	13	5	5	2500943	21110865	4879089	18911883	4324503	17952478	25503524	26742952	15369295
18.06967	7	3	4	79591.2	614259.1	374914.4	450003.2	310215.8	656576	146186.2	338396.4	867279.9
9.845483	7	4	3	1343478	1572063	273483	2450292	2471033	1978219	1421191	1301212	1442067
9.419733	14	5	5	1900462	9865867	2898042	13064382	8729356	9003521	13533972	12247796	7636924
9.91875	6	2	3	492082.9	605367.4	435198.9	891436.2	718794.4	0	297349.6	830656.3	883255.2
9.856867	9	5	4	862024.5	2187350	286165.6	1855072	910180.4	2225767	1869092	2623810	2214008
9.872883	9	4	5	13458958	29833805	42658711	14542095	8660427	1.06E+08	8845071	12556725	11799355
10.03947	8	4	4	475114.3	543386	316172.9	819518.3	735951.4	465275	156605.9	880033.9	855102.1
8.903533	5	3	2	429233.4	966693.9	373455.6	764819	467103.7	1074744	1491231	1030852	728363.4
9.842	10	5	5	1855507	9273909	1799255	8298990	2259279	10363516	10609043	6970084	7686277
9.249433	3	0	3	555128.2	1862214	284312.5	1562758	814898.3	2103425	1810337	1479026	2179185
9.912633	9	5	4	1792345	5030785	1480377	4234118	1839874	5799910	4163642	3315540	4746505
10.28192	11	5	5	3098454	9111415	2511111	7976504	2247874	10784130	11841085	10020937	6317208
10.9645	10	5	5	225360.7	781828	388331	932603	210025.5	1453723	552016.1	497779.9	756550.7
9.071467	5	2	3	708372.3	1060786	706400.5	774492.8	462186.5	720299.2	517867.1	823443.7	949986.2
10.23043	10	5	5	517340	1225079	461475.2	1014029	424596.1	1190967	2001600	958002.2	809384
9.56645	9	5	4	1164549	1272477	271456.5	1855261	1634653	1216961	1747989	1100959	1096896
41.80533	6	3	2	326444.5	2937318	1734038	2253855	1011456	1948401	1266833	1928941	4263299
9.93625	4	1	3	465981.8	650418.9	334279.4	787674.1	229487.3	678529	132550.3	1067925	663401.8
32.1715	5	2	3	158956.4	1146541	509589.3	939165.8	338981	294332	1353139	1486369	1531324
23.99617	10	5	5	357462	2291009	362807.4	2443751	270104.3	2101115	2786163	1954284	2050421
9.94455	5	4	1	783783.4	1462706	357641.9	1113586	944234.9	1432016	1044648	1368632	2033899
10.7349	7	5	2	19658522	2.62E+08	33675790	2.44E+08	40420945	2.63E+08	3.16E+08	2.57E+08	2.24E+08

9.379233	5	3	1	1.27E+09	2.66E+09	3.63E+09	4.13E+09	2.34E+09	12437046	13921239	6.88E+09	6.39E+09
9.932033	10	5	5	7035555	15215168	4682674	13148665	3967118	17721122	18174590	8077612	12863081
9.992233	9	5	4	1461734	1661594	589518.4	2603811	2626142	1642375	2289255	2213709	1174922
10.90765	3	0	3	268890.6	451804.8	127747.2	552014.6	263190.5	440274.5	514077.8	278792.4	403719.2
9.983467	9	5	4	1689847	7295883	3212060	6137760	832487.3	9014956	7538825	2218411	10805703
25.56467	6	3	3	272034.8	994551.8	277898.6	866217.1	261814.6	858810.8	1465096	891906.1	752798.7
44.46583	4	3	1	676540.1	8866989	4407973	10735656	3359040	12958048	3527150	7080192	13896917
9.983433	10	5	5	1148688	4158451	868371.2	3638736	1268418	4387753	5364477	3715247	3021838
9.842	10	5	5	1492838	5352946	593058.9	4778124	1555639	5735433	4790894	5462988	6069672
9.979667	7	4	3	2432087	959589.7	470848	1801277	2355571	1268690	1603377	863812.4	518918.8
9.952017	10	5	5	2694909	8223271	1681045	7453186	1558406	11051223	8236372	6819236	7893567
10.9645	6	3	3	390700.2	1146070	346256.1	1346873	483793.5	1117156	1723769	914797.2	1130677
9.992233	10	5	5	2222048	2656393	776497.4	3800804	3184691	3310948	2886015	3374433	2111690
22.03767	7	4	3	181080.2	572961.4	442997.2	377211.3	377984.3	629034	560478.3	1280028	198082.8
8.855567	7	3	4	1194476	4051336	1554116	5414980	3649807	3763395	6596648	4257215	2927858
9.445217	6	4	2	1160843	3270397	413298.5	2637080	1765309	2847484	2831552	3693596	3354478
9.388367	6	2	4	717645	8433032	1977441	7299879	2717134	6146767	7287503	10697483	10299819
18.13133	5	1	4	114281.6	1111584	181275.5	897392.1	589764.5	1364401	876580.4	1086853	1038674
24.59417	4	1	3	48739.03	133953.9	7101.545	119167.7	41558.03	129279.8	141534.1	139559.6	134931.1
10.03258	7	4	3	1869687	9492755	1999495	7647227	4973192	12813361	7877857	8154381	8809640
9.848417	9	5	4	1149605	3873796	712813.7	4612493	2015248	3819668	4010881	3106607	3445188
19.44683	10	5	5	664842.4	6981029	3983297	5400280	2428946	13689505	4711257	7619599	4525955
10.69117	7	3	4	180903.6	894660.1	512536.6	705119.8	200590.5	1665258	915017.1	1022281	531192.5
9.41815	10	5	4	918102.1	6249340	2190347	5147526	2446756	5512916	5396546	5060974	5123056
9.896717	10	5	5	2744179	15917508	2477277	13990846	5067996	17359352	15497167	13060419	14340871
10.9645	10	5	5	513320.5	2162951	551719	1912867	501595.8	2681007	2735772	1683214	1537870
10.97857	8	4	4	379176.7	1353775	487676.9	1167636	244671.4	2016454	1441316	796769.9	960867.7
24.47783	10	5	5	146247.4	743983.8	129765.3	661160.5	207539	779984.1	770378.2	766355.4	876629.6
9.856867	10	5	5	10383171	50258562	1799267	56410250	17411879	53190203	48926369	50775557	49008975
9.992233	9	5	4	1244876	3595268	879028.6	2906830	1813929	3910883	4858505	3042921	2551241
10.95055	10	5	5	1505804	8792760	1905085	7833265	2134839	9842968	11146705	6922550	6761030
22.13917	10	5	5	286307.9	726384.9	325319.7	602541	160908.6	582203.8	1268542	765111.1	584700.4
9.992233	8	4	4	417916.8	880305	165663.6	768204.4	285972	885540.9	1061914	705986	1026198
9.914217	7	4	3	1301328	3702892	965682.9	4425713	1888772	5037115	4275397	2680611	3565694
29.9205	8	4	4	326415	1095734	300458.1	1493224	1103599	958074.8	1243695	1183117	654557.8

9.972483	7	3	4	571387.3	850449.8	484004.8	1137156	699484.8	1493247	1147894	714605.8	232149.6
9.992233	9	5	4	408999	1033142	209752.7	913944.6	285715.8	1015611	1393439	971941.1	857158.4
9.858833	10	5	5	6663769	4562160	598306.8	9016464	12655946	5097082	3876685	4699476	5141893
9.568567	16	5	5	7936870	38014371	33144184	23308618	28775230	3668100	77077679	3399965	48301721
9.999217	4	1	3	254810.1	373178.8	244415.4	496231.8	274308	310628.6	108890	694918.6	551320.2
9.530583	14	5	5	1426094	6122237	3516956	9003825	7665122	8210637	10825902	2013091	3661416
9.874317	10	5	5	1467189	5179935	981512.1	5786607	1507222	6893693	4766946	4507250	5085197
9.512983	7	2	5	11012085	75532668	58592221	52181588	36729138	2192923	21655728	1.12E+08	1.21E+08
9.848417	9	5	4	975799.6	3982049	878652.4	3296362	1810829	3394412	4025585	2997329	4197557
10.24195	5	1	4	112932.5	244344.2	135137	371025.2	343474.3	245871.9	112013	270327.6	139647.2
9.55155	7	4	3	465259.1	1443768	690859.9	1762733	658192.8	1367044	1274965	839094.1	1111334
9.992233	8	4	4	933766.4	1661555	976040	1289550	494805	1312945	1697984	1155662	3315021
31.13783	10	5	5	1941346	8124746	1139614	10132599	5648497	7348454	9308961	8461129	6569432
9.388617	9	5	4	738859.1	1316596	321234.8	1101864	548049.9	1579880	1184088	1127672	965863.2
9.856867	10	5	5	11006010	73526482	8338438	65000302	23340668	72482604	71583181	66083665	69700901
9.4468	5	2	3	889785.4	3825667	1972781	2984881	1552868	1389801	4443476	5320244	5853719
40.4675	4	1	3	100881.5	742929.3	132100.3	650832.9	237798.7	676301.8	602920.1	742195.9	956747.1
22.72667	6	4	2	636757.2	1426787	770500.4	2545171	3129512	714954.7	1973324	547087.5	1596160
9.864767	9	5	4	944308.6	2915924	1211148	2386973	1018073	1376460	2180591	2858971	3738960
9.999217	12	5	5	808350.6	2491680	542885.1	2129465	925049.5	3042940	2828378	2641735	1656137
9.43325	6	4	2	768381.3	6241107	1346094	5557058	1543327	6902742	6045861	6031214	7942483
9.848417	9	4	5	947743.4	5115911	451056	4678243	1193407	5046589	4710029	5326799	4716629
9.912633	11	5	5	3917643	19553959	4901578	17182390	5145147	15897276	22191580	12990303	21941197
8.960667	8	3	5	247036.2	772137.7	209752.1	622734.5	388273.7	1122140	588220.4	636226.5	776149.8
9.8322	4	3	1	743039.1	1629534	673161.9	1990452	843633.3	2207271	870273.8	1631621	1053584
10.18683	5	3	2	896950.8	1500015	535604.2	1138860	926298.1	1486246	1062296	1303330	2418639
9.36565	4	3	1	438265.5	773701.6	345278.1	570736.9	496909.7	892341.8	454928.1	362662.2	1027054
10.9645	8	4	4	275932.4	1040549	263398.7	857627.7	472816.2	1287794	1365055	880753.1	815958.5
9.9677	10	5	5	6216171	21924559	4660165	18897962	7680533	24997464	27611508	18972494	15897805
9.365833	6	4	2	485992.3	2659400	1157255	2076407	1309376	2181332	4490846	2731668	2560069
9.9677	10	5	5	2347472	8897735	1735528	7700132	3091358	10356152	10628788	7866089	6489855
10.0614	11	5	5	2342303	7899503	2285682	8891635	1899215	10186843	9431047	8386086	4365730
10.58813	10	5	5	1468808	5753167	1173568	5010522	1871333	7303964	6558355	4679366	4621817
11.17508	10	5	5	1482173	1966576	500237.6	3065765	3116711	2661619	1516873	1851733	1517967
9.530583	10	5	5	14940258	12486347	3155240	22700329	29089168	17097757	14113981	9364426	10120554

25.39117	9	5	4	2752238	8677119	3015987	11429973	7474844	13633266	6752089	6307556	7278183
10.30947	5	1	3	215779.2	566630.9	292535.2	456201.7	142931	1052761	565141.2	498593.3	272965
10.25713	10	5	5	325648	1011244	199361.8	928686.4	145588	930888.3	1236150	1206494	786176.9
10.44215	11	5	5	625260.6	3100504	872982.9	2595077	1232678	2633061	4616610	3057778	2489063
10.92208	9	4	5	343523.6	1273449	430940.8	1084412	369459.5	1655023	1034719	777216.2	1109880
44.22167	18	5	4	327136.1	3256087	615323.2	3581182	757229.6	3462817	3258711	4127839	2463144
9.243433	7	5	1	618748.5	865199.2	538377.5	645133.3	378714.1	1512005	241694.1	1126477	1071856
10.008	3	3	0	1267476	1627667	1237798	2209589	1237513	407926.6	595539.3	3404297	1474017
17.36583	9	5	4	129020.6	302021.3	27787.1	475917.7	497526.2	295209.1	337449.8	311272.5	260902.5
9.976317	9	5	4	2152139	6707585	1423141	5819683	2232972	7126131	8157437	5701860	4786201
9.928667	5	3	2	984687.3	1775594	740552.7	1344721	1055173	1737210	674908.6	2559602	1563902
10.9645	9	5	4	375882.2	1307076	304513	1170549	275409.7	1781183	1413918	1054337	1235115
10.83317	7	4	3	159485.8	388237.1	195314	314152.3	99488.8	310303.3	734287.3	297312	337058.9
9.960467	6	4	2	519640.7	1115987	313125	1262149	308848.6	942337.5	1489605	1340998	701617.6
22.944	9	5	4	142814	557897.5	203482.5	484655.7	63752.93	825120.5	343956.1	363432.9	646637.5
9.845483	7	4	3	1453961	5302033	2477141	4309920	1625049	5404985	1985336	8966943	5060814
10.78937	8	3	5	233411.9	676215.4	322662.3	552570.8	174175.2	544896.8	1199091	768842.6	432662.2
9.992233	10	5	5	717290.6	2254573	492996.3	1936339	810147.8	2674423	2581515	2581811	1768376
9.842	6	3	3	1454639	2262281	2422126	1378482	913833.8	1538868	6563898	1382811	1023562
10.95055	10	5	5	931488.7	3402775	879139.9	4173000	2086990	3785529	4742602	3053392	2510015
11.26338	6	4	2	1373751	2417413	3622576	4024911	3205103	8890619	652013.2	885934.3	625223.1
8.855567	4	4	0	279401.7	594155.1	486371	410184.6	244845.3	438455.9	1375139	155055.4	726791.8
9.673333	10	5	5	1511907	4499247	536783.7	5280543	2199170	5159503	4566796	4705173	4374227
11.87125	10	5	5	232152.5	420595.8	333547.5	678960	687237.7	109586.8	348900.4	169487.1	936542.2
42.06417	4	1	3	336764.3	3018146	260039.5	3913120	2558768	3436173	2796803	2872505	3102692
24.609	10	5	5	11762378	93269547	18532395	1.01E+08	14547017	1.23E+08	98358188	83357732	76478875
9.089733	7	3	4	551213.2	1446598	266709	1258253	491896.4	1374589	1770452	1675846	1261674
9.992233	7	4	3	347428.6	870981.1	195696	711134.6	429390.1	918709.2	750769.2	867644.7	650459.9
10.90802	6	3	3	194166	473266.8	190473.3	376693.8	219815.2	715298	485744.1	185019	453193
9.419733	7	4	3	580208	1887450	801652.1	1396528	1230477	3066095	1058860	2314288	1572642
9.08685	10	5	5	4073804	13551365	3725184	11035377	6501440	12040468	19663991	14439806	10824857
10.21522	6	2	4	173219.2	510352.3	232726.5	421926.4	121241.7	546578.4	273877.8	865336.5	329474.5
7.278817	5	3	1	75763.51	247860.5	85752.99	281864.3	54577.19	315890.9	335007.1	118506.7	242880.2
9.3735	5	2	3	1170991	811175.2	706537.1	1413877	1630068	929042.5	1055051	1798915	0
9.872067	7	3	2	931610.6	2022514	829170.8	2835806	2236521	1754310	1449889	2041107	3436598

10.13878	9	4	5	408822.2	1147886	295182.6	971895	436923.1	1460812	1458387	1063937	906725
10.008	9	5	4	1804504	4627707	1645613	5795968	3057743	6020308	5641574	5676796	3529961
24.1715	10	5	5	503259.6	4640168	1856708	3716932	2073603	3543948	5904146	2400780	4292249
10.01837	7	3	4	713901.9	755432.9	171575.9	1155186	1140254	650352.8	850864.3	929823.1	836803.4
9.94455	10	5	5	1035973	3232247	865132.8	2898623	488410.9	4132868	4137392	2825772	2201556
9.07525	10	5	5	2582049	11240142	4249156	9180970	4529762	11827133	18262811	9513105	9365037
9.9014	5	2	3	949176.8	2541351	625325.2	1999724	1468882	2304788	1580518	2907058	2727662
9.872883	10	5	5	2096716	10990348	1124593	10402609	1367256	10610078	9770071	12392063	11938465
10.95835	8	3	5	165150	463556.7	179859.5	597323.9	353842.7	756952.7	459531.9	283086	360111.9
9.952017	6	3	3	1039089	5876961	1797661	4728113	2924813	3612530	5654715	7068488	4867603
9.416767	7	4	2	648339.9	2435126	1650978	1829432	673580.5	1794321	719834.6	3203122	4917254
9.856867	10	5	5	1864593	7915024	468490.1	8711528	2259232	7821543	7251028	7770815	8343639
10.05535	9	4	5	2494795	4343193	1153038	3715615	1495838	3735775	3728361	4308205	3597137
9.84525	4	1	3	1175823	1512503	477139.3	2525150	2886754	1519506	754889.4	2076166	1632718
10.008	9	5	4	314803.6	610756.8	157784	750885.6	381525.7	612028.6	486186.4	845210.9	662224.3
10.93618	7	4	3	161087.3	658068.1	289241.9	531546.5	249060.1	857214.2	908276.7	321062.5	364726.7
10.33625	10	5	5	4278806	23644797	8876198	19415238	9187643	31455891	34218538	20633612	18704667
9.655117	8	5	3	258018.8	774980.3	235509.4	643076.2	319389	511695.4	1135576	752817.1	835375.7
32.48833	5	3	2	305547	914215	913105	1377216	1058025	1712840	162157.3	111384.5	2067313
9.872917	10	5	5	1695379	9596009	768766.9	8604980	2784565	9372711	8694126	9364711	9760807
9.203483	4	1	3	1576239	2126619	947068.6	3311363	3323803	2774023	1204326	1987042	3385667
9.983433	10	5	5	756559.8	3280014	659372.6	2783057	1320167	3597409	3847740	2940239	2282120
9.22495	4	3	1	245745.4	1113894	509192.5	783939.8	845069.2	1603461	724730.8	1732803	800223.6
9.94455	9	5	4	928285.8	2808873	724052	2340604	1198771	3706476	3461035	2460528	2101046
10.9645	9	5	4	240291.4	1002444	216085.3	838737	435437.3	1063562	1242921	745729	809275
9.43325	9	5	4	4432193	4464832	1599309	8578897	11775621	4635018	5129097	6378000	4169452
9.952017	10	5	5	1417447	4372975	748413	3985723	898040.8	5430195	4725108	4329162	3510612
42.03567	7	3	3	329422.2	5271019	348072.8	5034978	612708.2	5086987	5317401	5457398	4792411
9.268717	9	4	5	995676	1134138	327682.5	1687355	1571571	1690229	934876.6	1036858	867588
9.40255	10	5	5	2734523	6073507	1505957	4872009	3227191	8231663	6765813	4219388	5558072
9.992233	7	4	3	935555.3	983480.2	391106.6	1527604	1535644	1054934	926834.9	1610493	709633.9
9.976317	9	5	4	1260934	1533680	200493	1866466	945332	1627627	1361346	1801253	1567095
9.986767	6	2	4	268104.2	702831.9	97341.5	577885.6	351433.6	740232	855310.8	667518.8	620044.2
9.887133	6	3	3	2302954	4062012	3222666	5929199	4603296	2386146	2782168	9430110	4494338
9.40325	9	5	3	300007.5	1561284	645358.5	1270529	597958.8	1242238	2590266	1756584	1278206

9.858833	9	5	4	2910079	3722250	497926	6161455	7019965	4178511	3949501	4026086	3504404
9.473717	6	4	2	301812.8	1042833	396815	755581.4	758358.1	649872.8	868670.4	851455.2	1667859
11.17508	4	1	3	74565.81	142896.6	114108.3	230355.6	233581.9	304397.2	150266.8	13148.37	187934.5
9.445217	8	4	4	713620	4140280	1264957	3569110	1178394	5592407	4769951	4724464	2819460
10.9645	10	5	5	1896714	4761755	1570667	5787984	2641234	6285254	6637976	3720805	3298428
9.1172	8	4	4	718104.3	1256190	787393.8	890684.7	777607.1	1447822	2432708	1231416	863871.7
9.45945	6	4	2	387039.6	1420354	712201.2	1054816	845280.4	1902678	2380893	594857.8	1083062
10.49953	10	5	5	2578942	9632374	854381	10628495	2789321	10164415	10665357	9757031	8535842
31.2965	8	5	3	151701.3	846467.8	167536.6	746493.5	249659	635684.8	1104922	825463.4	821967.5
9.18975	6	3	3	2001016	2832106	1605868	6177207	9564482	2039529	800017.7	2394694	4614448
20.9505	4	3	1	357396.7	1447057	1649091	2127868	1224027	278742.7	3244313	3262429	225731.2
44.9835	5	1	4	282554.7	2491194	638492.7	2767596	539848.7	1362729	2807066	2604197	2841074
10.00385	9	5	4	2103892	1197369	174905.1	1667393	1348826	1388094	1113246	1119301	992823.3
22.36317	9	5	4	529233.1	3643808	665396	3281754	867327	3091221	4645158	3892303	3014005
9.5415	14	5	5	3617001	34764028	13126004	29948684	5534261	23456622	34153321	38437749	22863484
9.507933	12	4	5	4441158	16745407	17441571	10358834	7235705	46473054	15726034	1929139	12631875
9.975217	10	5	5	10991459	6634907	2181277	10051278	9705118	9116834	7705826	7518865	5158481
9.392767	9	5	4	858620.9	2102899	670312	1635064	1226619	2423766	3008726	1485629	1406349
9.40325	11	5	5	1163738	5329390	1978302	6804786	3924765	4673847	3416065	7934515	6856711
24.1315	7	3	4	245999.9	762336.3	676848.1	458429.8	624312.6	309588.3	1489515	1516877	248672
9.830833	5	3	2	1069944	4582040	1498838	3824734	1735273	5920409	5078301	2368041	3778044
10.9645	10	5	5	9104461	20732786	4718843	26713502	16848462	26042828	25534680	18938371	16622480
9.848417	10	5	5	1492590	6943533	1972117	6186260	1117174	4912061	4895093	8443466	9143480
9.992233	10	5	5	2308519	2637329	862855.7	3796138	3276008	3301424	2906388	3517335	1883194
11.3027	5	2	3	134408.2	515053.1	318650.9	395216.4	161969.7	884351.6	195276.2	172915.1	599538.1
10.40908	12	4	5	1879294	14379035	4205145	12228838	4974896	17396822	12440289	19583523	8887893
10.01477	8	4	4	2353755	1305788	1905971	636031.4	421372.7	4711800	566316.2	354770.9	508136.4
10.9645	5	2	3	201237.9	623416.6	189472.4	498182.1	324402.1	870666.9	776140.5	441172.3	481191.9
10.92208	10	5	5	342750.3	1232074	389257.1	1028794	477228	1481898	838470.5	916958.4	1158078
10.97857	10	5	5	319089.6	787293.5	297620.9	987507.7	521282.6	751193.1	1302684	712131.9	591269.5
9.379233	15	5	5	2569879	8760938	3308897	11282314	6749523	8547282	9843641	4359647	13439753
32.12817	7	4	3	506722.4	2090004	1880659	3074481	2315611	649854.8	882051.6	5301745	1543415
9.93625	10	5	5	3760075	11968831	2277687	10498831	3783998	11962938	15552443	9232915	11361426
9.568567	19	5	5	20983892	1.37E+08	81461496	1.03E+08	60454295	2.06E+08	2016315	1.88E+08	1.24E+08
29.60117	5	2	3	527189.3	1886330	1953814	1131837	1146617	538632.4	1429201	67756.7	4996601

35.61633	6	3	3	272239.8	862501.4	970689	486059.6	580644.1	2540332	344393	212413.2	349888
9.473733	11	5	4	6343666	10586081	3463741	20240921	27797860	14132457	13150337	11636478	8028877
9.49445	9	5	3	1670467	2849069	991592	5035733	6279253	3701406	2857364	2037108	1696458
9.523383	14	5	5	14852465	90001423	18906150	1.12E+08	61689793	81880008	93523594	1.21E+08	76659108
9.999517	6	3	3	266213.3	642157.5	222125.8	515929.7	310384.8	318026.1	654916.4	647198.8	645005.2
9.365833	5	4	1	374543.8	1477931	423834.7	1265696	485418	1531153	1970663	1765247	1208274
9.43325	9	5	3	1994001	12843789	3455823	16188183	9262087	10689184	15797886	17291467	9566907
9.516467	8	4	4	471951.4	977819.3	319438	807707.7	404787.6	1043454	1492307	885778.5	809852.1
18.07117	6	3	2	9247617	91737416	18096739	1.49E+08	1.64E+08	79129725	67196268	96574626	1.09E+08
9.960467	4	3	1	565196.8	858321.1	364392.2	659187.5	480674.7	1173634	1277628	828250.5	447788.8
9.859983	10	5	5	5112209	26504433	1729367	23598657	8301536	27726719	25700953	26135203	28680294
10.9645	10	5	5	463412.8	2115417	594347.2	1901875	210692.8	2409673	2659814	1801852	1222850
43.9915	8	4	3	323618.9	4891112	2278034	5706134	767771.9	7983237	4406459	4918327	1638554
10.92208	6	3	3	113857.4	378910.6	224311.7	297574.8	88366.43	475626.2	335640.4	307776.8	83764.41
9.960467	6	3	3	3913663	2334727	1272595	4410254	5929450	1656421	1693586	1068319	4201990
10.9645	10	5	5	910432.4	5940269	971004.1	5401717	1311582	6560632	6957334	5030032	4783204
27.33133	6	3	3	255957.7	1686446	1368265	2246251	1002758	1163119	2984806	299388.5	3299700
9.338567	9	5	4	1003278	2406337	968714.4	1976261	879679.6	2214303	1609371	1602348	2659485
9.075083	6	2	3	809215.8	1385212	1012365	995875	588945.7	1153060	433132.5	1199016	1029880
9.8378	10	5	4	3347836	16398046	4835636	13783300	6294541	16243468	19785788	16899231	8414951
9.842	8	4	4	725064.6	2571348	517932.8	2353481	412210.3	2149780	1951988	2623093	2966505
9.9014	10	5	5	19691126	57382027	6590842	75613793	52646331	57602662	50291885	66830020	60020197
9.929783	5	2	3	463855.7	1047765	264969	786470.2	726956	1109493	1399399	1155056	731198.1
9.992233	10	5	5	2309479	7420242	1419689	6521245	2310869	8575576	8773401	7894229	5594363
10.00098	10	5	5	768001.8	896497	282729.5	1204955	865566.9	1017235	1250714	980893.5	706645.6
9.848417	9	5	4	6687757	33499200	6224790	29643860	9841085	35641752	24655118	29557411	38875124
9.253783	10	5	5	2208846	5726337	2659111	4726714	1386513	9256787	3505294	4297885	3683619
9.992233	9	5	4	391404.8	1134799	322672.1	956833	433536	1477739	1355748	1185493	656311.2
9.4468	8	5	3	720741	3793810	1600886	3054243	1588023	4802187	6012576	3411669	2127848
9.915583	3	0	3	729604.4	1088048	308867.6	1506161	1189034	1474266	1269008	940464.3	1090238
9.948333	9	4	4	1346758	6075797	1887865	5004816	2645062	3814957	4217410	7401640	7346456
9.840617	10	5	5	3317042	6251450	1273959	9025820	7997151	7498076	6673315	7230522	5312676
10.95055	10	5	5	411296.9	2421866	675765.4	2126536	594708.2	3099878	2841109	1709559	1677262
10.31255	7	3	4	189321.5	392859.2	143550.4	330337.4	125338.3	151484.6	390210.7	527732.2	449733.9
34.41217	10	5	5	4109696	16111465	7957975	25581328	26769050	28672464	15326771	9106083	17877313



10.95835	6	2	4	1109983	3296651	1592626	2592568	1440362	3252585	5320398	882532.9	3262865
15.18045	9	5	4	396745.3	1039059	294643	2142348	3198832	1447306	740832.5	964661.3	1227988
9.960467	10	5	5	4489913	17047619	2897381	15583902	3393683	19363691	20297919	16634515	13021523
39.1435	3	3	0	290243.5	3817705	2810359	2849226	232065.5	2983889	3014251	3191406	1255064
9.43325	8	4	4	618162.4	2826965	1901255	2108754	1027490	3130224	1754795	6012847	1347510
9.8322	6	4	2	993251.4	1936761	963394.5	2461975	1274996	1218878	2023585	1686510	3547595
9.992233	9	5	4	325958.2	862644.7	212457.8	964962.7	229057.1	956690.9	1089401	799711.7	529894.5
10.8937	5	2	3	171008.9	540153.7	239799.8	432296.3	225820.4	396181.9	854420.6	267105.8	467655.1
9.9014	7	3	4	3364980	3018315	1696251	5482277	7041812	2241251	4164174	1841342	5407399
9.1428	3	3	0	2498392	4320819	2721122	5831994	3704920	3741014	3813978	4594604	8510081
9.992233	3	3	0	245066.3	572167.4	294501.9	449531.3	229981.5	839886.8	92824.66	691177.8	502219.1
9.93625	10	5	5	8195118	33720964	5625491	31389913	4333566	41532149	37307556	30409238	27551121
9.460217	6	2	4	3790111	18772077	4628481	15661875	8164062	23330581	18096711	16843671	23218089
9.992233	9	5	4	1152500	4193424	1218431	3532907	1600811	4014190	4200005	3189318	3331713
21.491	10	5	5	633448.6	4233777	720055.1	3917857	642310.7	3586597	5392048	3997333	3764895
9.960467	10	5	5	1224884	3853264	722547.5	3462346	946528	4174520	4802674	3822086	2836925
9.979667	6	3	3	1450366	747007.1	361554.6	1559690	2348885	644139.1	455858.5	1259054	969399.1
9.842	9	5	4	537975.9	2067286	415791.7	1897159	309007.3	2064515	1797283	1699311	2014879
9.912633	9	5	4	1686554	4716328	1399147	4005651	1658450	5935776	3692055	3142624	4439274
9.872883	10	5	5	6597077	46782032	5492086	44173329	5783779	44077460	38547747	49796509	52333075
9.11795	9	4	5	704517	2159270	864120.4	1847134	345720.4	2658086	2760292	2733666	1890182
9.8887	11	5	5	1730592	5112636	1400520	4173375	2466606	3406388	6093990	3958423	6713159
9.992233	10	5	5	2382653	2749781	859097.8	3864500	3174381	3373011	3234827	3491247	2009251
24.68117	10	5	5	570219.5	3569136	680706.9	3238716	747216.9	3244610	4446546	2641175	3603656
9.960817	4	1	3	480835.1	1261747	356745.1	1048122	542070.5	978031.3	1128760	1881114	1102380
10.008	8	5	3	2148534	971471.5	514938.9	1876274	2608362	868376.5	600155.4	1491391	1514753
10.9645	10	5	5	1967596	9617839	2164832	8676340	1902017	11542077	11911416	7685886	7163843
26.066	6	3	3	88681.39	280268.5	170717	214759.2	101204	213095.7	585394.6	194424.8	207763.9
9.983467	6	3	3	1444999	1150749	471906.4	1893857	2135995	1843155	520044.1	1040816	1187493
11.16645	7	3	4	489331.5	680331.3	87109.74	944731.7	768752.6	613766.5	767395.8	585549	660032.7
9.9677	10	5	5	1599522	3290022	690597.3	2883738	1025676	3962202	2504611	3657165	2583423
10.008	7	4	3	1896791	1645397	2172117	2864084	3015730	708774.9	979753.7	613183.2	411525.5
9.979667	10	5	5	559645.8	2276275	409316.3	1998001	735164.7	2311626	2757081	2218218	1641370
10.97857	9	5	3	220689.6	716451	194271.3	624866	202527.6	769475.9	846897.6	918535	434306.3
9.379233	5	3	2	2512206	2978270	984019.1	5134805	6248537	2609125	2883844	4564865	1878189

9.9847	4	1	3	4827727	2435044	2083890	6952461	13088159	3416442	246141.1	2832861	5198902
9.445217	6	2	3	1853924	6663754	1828064	5464454	3139999	4346748	6683616	7160127	9314937
11.07845	6	2	4	1464655	3892462	2167445	2510772	3588810	6166741	1172198	5022029	5085196
9.447733	10	3	4	3113869	15650726	11526615	11002826	8264542	27470034	5029066	7214161	9742354
10.96997	5	2	3	343236.5	1137326	373447	911608.9	576363.7	858204.1	1669213	920394.6	1392663
21.8975	10	5	5	579841.6	5212653	1194727	4710866	965259.7	4751375	6928932	5842713	3835734
9.406667	7	3	3	4618780	10889162	3633923	19024189	23604318	14626140	5396633	10906175	13652786
33.37033	9	5	4	180473.9	573311.6	322295.6	706022.5	246619.8	857970.4	322673.5	169274.9	899645.5
9.498117	16	5	5	2831549	17161837	10856552	13015756	6351099	29038942	646668	24500290	15543756
10.57323	10	5	5	1738795	7863240	1616824	6948353	2277650	8622441	8837523	6306261	5973445
10.9645	6	3	3	470572.7	856065.5	292979.6	1102179	677833.1	780292.4	1083488	1076429	380120.6
9.56645	8	3	4	3182473	15964741	9778497	11551701	9374923	26336874	19997551	21116140	1666106
9.7565	7	4	3	654773.6	722039	234850.2	899645.8	481233	519995.4	1110456	653580.7	570101.9
9.67	6	4	2	274924.8	903626.2	446433.6	725764.9	308915.2	1486764	871776.2	533461.5	424012.9
9.457083	4	3	1	481251.3	1064385	233681.9	927778.8	345024.4	1365428	1030017	1233783	884073.7
2.6517	6	2	4	272103.6	13754927	11827870	18050482	5162613	2428259	1867718	13074066	27125679
10.008	6	4	2	307587.3	535630.8	202673.7	680130.9	387249.4	640519.6	755608.8	639092.8	286271.1
14.84005	5	3	2	60301.65	165349.8	186748.9	99716.65	56130.24	469511.8	221317.2	33738.69	36566.28
22.104	10	5	5	6957043	50092495	5243184	53457478	8784680	49671615	54657147	42452418	48342941
10.95602	10	5	5	226961.1	1047434	241396.8	939130.1	229126.6	1158269	1355019	850726.5	759202
10.9645	10	5	5	700120	3308950	718482	2988635	672967.7	3972490	4037687	2666740	2486822
10.97857	10	5	5	2982421	18975455	5095613	16952152	3500874	23521015	18457451	16359741	12142055
10.95835	8	3	4	791006.9	1888418	920073.2	2435926	1394723	280783.9	2221534	2303507	2045117
9.94455	10	5	5	3210911	4459548	1024161	6027750	4522350	5634293	5031620	4842750	3585589
10.95835	10	5	5	230046.3	1173218	236275.7	1069556	213954.8	1312077	1426139	916322	925551.5
9.946467	4	1	3	1002101	2049258	468287.5	2744773	2004613	1791680	1698357	2602198	2513154
18.7475	10	5	5	2201557	15555672	2523913	13396469	5980246	19171972	13111821	13233757	15695332
10.9645	10	5	5	911392.3	4229456	806313.1	3789876	1079842	4171460	5207878	3318043	3588878
18.45317	5	3	2	9723597	68962696	12770537	85804514	48326835	57769648	87568192	76722138	63049401
9.880683	10	5	5	9258740	17551441	4216871	26239989	25265101	15861827	14634845	19357614	24079048
9.856867	10	5	5	1079350	4921976	1128484	4245963	1729582	6071048	6078158	3555250	4199313
10.94853	5	2	3	231945.1	882310.6	384423.2	727472.3	278133.8	611345.7	867037.4	544093.9	871964.9
9.920517	10	5	5	4915972	11691816	5804656	8859790	6500880	14177268	8416887	5602630	9786182
9.4468	11	5	5	1904879	12638343	4969596	9939653	6621732	14246631	16146694	17996100	7807575
9.4468	9	5	4	1390398	2703629	1021646	4800386	6099932	1120246	3251538	3686101	3177950

10.07528	11	5	5	8686403	23158811	8988785	30415005	19955952	30264147	33213390	19501586	22198667
20.782	6	4	2	188629.9	862461.6	266170.3	714882.6	366067.2	902244.3	1217202	672319.7	982671
24.63633	5	2	3	37572.53	83793.65	54942.06	121712.9	101238	169148	47336.63	75867.57	27545.67
9.976317	10	5	5	4736724	6910627	2958862	9103814	5945355	9164178	9879150	7976927	4098117
7.333667	10	5	5	3196969	23788202	3598686	20348460	9662794	19891628	27052856	21598870	22267276
28.30267	9	5	4	119451	410054.6	166890.6	331271	176289.5	575840.5	549184.4	209678.6	260437.4
15.58545	10	5	5	249964	1925727	324150.4	1730843	499963	2384318	1983412	2030684	1578503
44.50917	9	5	4	101883.8	483472.5	74663.96	419576.9	177293.5	581055.7	392780	517339.9	498965.3
9.992233	8	4	4	581967.8	1378420	410806.1	1151880	560881	1511139	1930023	1459451	1159630
9.8322	6	3	3	656709.4	1309412	668086.1	1003277	666439.6	1807579	2136115	1235005	501995.8
9.856867	10	5	5	11094877	73381948	8314363	65139694	23255766	72404718	71863218	65742930	69406773
24.6235	9	4	5	460366	1435320	356435.9	1877240	1266810	1957567	1309001	1376823	984526.2
10.97857	9	5	4	191727.3	676603	273435.4	785781.4	193530.7	541283	804602	360040.6	602207.7
9.858833	10	5	5	26803038	1.52E+08	12316400	1.45E+08	17171695	1.68E+08	1.59E+08	1.35E+08	1.48E+08
9.55155	9	5	4	286973	645514.6	145967.8	540055.9	284941.4	620330	876649.3	484178.5	577686.3
9.9847	11	5	5	1168750	4185344	844849.6	3796416	852673.8	5095185	4433466	4541906	4016165
10.04033	5	3	2	533040.6	1596466	533938.3	1320339	661988.4	931612.4	1541074	2304349	1914167
9.68775	9	5	4	575057.8	2098058	643495.8	1795014	678749.2	1550487	2634423	2190241	2784567
9.920517	3	0	3	1796987	1070320	732553.5	2425831	3945219	1327842	0	2029912	1035938
9.992233	8	4	4	407109.9	801318.9	243090.3	638208.2	433626.6	918302.7	1069210	691986	888275.5
26.0395	10	5	5	890549.4	9648456	4433626	7695972	4082974	6864503	13018426	4271730	8950556
9.952017	10	5	5	1465007	5178658	863874.3	4735791	1057632	6349004	5795077	4863333	4279483
20.99967	6	4	2	52776.2	225331.2	105360.5	288271	161637	127379.4	400495.5	172662.6	190134.5
11.3403	7	4	3	24299956	5.61E+08	56038119	5.24E+08	99943362	6.22E+08	6.23E+08	5.26E+08	5.18E+08
19.69517	5	1	4	126886.5	471731.4	182413.3	399123.1	128625.9	452657.7	409032.5	339071.8	788964.4
9.3735	6	2	4	1171932	6665589	2749149	5381850	2860392	2630622	5118674	9390855	7935496
37.02933	8	4	4	369506.2	2378732	1188183	1944170	571865.9	1595936	1536840	1445203	3356304
9.983433	3	0	3	899620.9	1729877	1111646	1232962	1060284	3112700	139808.6	2314426	1752922
42.27983	5	2	3	2874653	21693139	15934017	14169615	16941824	3596610	33679517	34383155	31851813
10.9645	10	5	5	1080175	2157808	840074.8	2785431	1711076	3042006	3097721	1622383	1370949
10.95095	6	2	3	383117.2	1015183	426909.6	773367.2	608989.5	614869.7	1226883	739373.6	835068.6
10.96997	8	5	3	269361.3	1040430	307607.3	856897.5	471886.4	996169.2	794698	723890.8	1217190
21.75167	10	5	5	429510.7	2415753	1037923	1899015	1213182	2424813	698799.7	3056805	3385695
10.9645	10	5	5	1495873	2796788	721943.7	3713305	2640411	3462226	3636846	2640277	2091227
10.008	6	3	3	287719.7	622947.3	156593.2	525134	255611.1	708686.6	485627	819655.4	656808.7

9.94455	10	5	5	3913663	6256925	1367413	8019581	5082301	7694248	7081227	6880331	5117362
9.976317	16	5	4	1116606	1597624	587818.4	1272172	812352.1	2569342	1324405	1600063	1004694
9.041133	6	3	3	336514.3	534099	340702	385777.6	307496.7	627019.9	998049.2	414607.3	570848.9
9.960817	8	4	4	542574.3	1302740	391000.7	1059157	636345.1	1476281	1474729	1006695	796873.3
9.43325	7	3	3	1765847	12185094	3357595	10627245	3466511	11656014	10646212	14519325	16350890
9.992233	10	5	5	740390.9	5318601	307546.9	5015047	860648.6	5771710	5306095	4973388	5427677
9.992233	10	5	5	2451214	2693910	801065	3900425	3505941	3500809	3079717	3220839	1907110
12.22317	4	3	1	371158	3108112	1400197	3879491	1924486	2856413	2032069	5480405	3058944
42.74017	5	2	3	213617.5	2759498	430125.9	2539108	528875.9	2847165	2879126	2832198	2039177
21.697	6	4	2	130150	486985.3	182238.3	404735.2	178272.5	387446.8	784043	538762.1	340694.1
10.008	10	5	4	719037.1	1177270	427112.8	974348.6	461536.8	693720.4	1159056	830418	1514496
10.01477	10	5	5	692039.8	2322733	735723.8	2003527	660987.4	2950599	2852831	1264269	1845992
10.22632	7	4	3	385108.1	898392.3	480260.5	731422.9	140186.6	296889.3	1405630	1211987	1089651
31.2965	10	5	5	722238.3	4719248	670620.7	4171963	1519000	3910557	5640687	4257757	4788472
10.00998	3	3	0	434895.5	720050	495025.6	525554.1	338031.4	1420531	156553	828083.6	342285.9
9.0035	8	4	4	2167853	3996713	2328787	6679321	7704058	4200458	6509261	5952159	2209586
25.89433	5	4	0	18345608	1.5E+08	1.5E+08	98558823	32388136	26864372	4.1E+08	1.32E+08	83128490
10.64557	7	3	4	251228.4	514025.1	148885	442087.4	166093	535749.4	654675.6	640725.9	442209.4
9.419733	10	5	5	1478937	5170226	2904597	6991137	4779905	9162757	6848998	4806322	1895446
9.36565	4	3	1	555265.6	1130160	783181.2	737662.8	930486.3	1569044	299212.2	254630.9	1748930
9.856867	10	5	5	3826927	20436691	936280.9	22354078	5621819	22045497	20221565	20274189	20030436
9.976317	11	4	4	449346.7	1115529	312384.2	901299.6	576165.3	1568187	1274344	904542.1	782049.5
9.900133	9	4	5	3773755	5389858	2898873	8742564	9636166	5129503	4481124	10032705	5254658
9.314683	8	4	3	1219836	2319300	423912.1	1957655	1011399	2323942	2539550	2169212	1714030
9.93625	4	1	3	816323.8	1642546	765713.8	1994671	780313.7	2163680	441259	1335312	1980132
9.976317	7	4	3	584243.1	1162649	353330.4	1006402	332324.5	1189424	1413662	1007590	1550767
9.66805	6	4	2	406704.8	1817279	1217413	1289247	1096984	2901635	1715890	1016951	296788
8.89395	11	5	5	2543274	16923046	3890223	14573352	6099966	16249436	22756135	14633654	12598657
9.946467	9	5	4	928343.6	2910105	901131	2471348	1021260	4001227	3370833	1999107	1953256
28.54317	10	5	5	4153194	50599564	24475459	40095954	21540572	32025081	59890505	19728263	60537549
9.582167	7	5	2	409001	2082405	918987.4	1609705	1141323	2944503	2050253	1414264	958812
9.541433	8	3	4	4361428	18567541	5153090	15451784	8097842	14803247	17209745	23718708	24195206
9.445217	7	4	3	1463593	6418522	2511655	5393750	1941611	9700349	7999580	5017950	3271720
22.11983	5	4	1	52857.02	157995.8	48122.73	186231.9	72620.38	206867.1	96802.1	121608.5	199954.1
9.536783	5	3	2	556671.8	923673.7	436493	757700.9	264922.6	1225062	1280158	1178677	643999

9.960467	10	5	5	6298372	18781651	2101364	16269432	7247139	20802972	20799763	15927421	17616590
10.57323	10	5	5	8592889	43592589	6275476	40221919	8340976	47499442	51651288	39256419	35942919
9.842	4	3	1	982205.2	3315597	1708511	4094854	1716925	5777366	3911288	2658393	3102475
19.12583	3	3	0	380932.9	1707251	448208.7	2243132	1546257	2127063	952594	1716250	1821981
10.9645	10	5	5	3236932	14963962	3564400	13314570	3685850	18279790	18679253	11767804	10990662
19.85467	4	3	1	102252.7	451936.8	297394.5	586653.4	295029.6	836372.3	249195.5	334388	146913.4
10.95602	8	4	4	330314.7	1237009	126886.9	1081956	448100.9	1083335	1364261	1132496	1352961
9.858833	10	5	5	1479037	9232241	640907.5	9780188	1535898	9630917	8183091	9701561	9593669
9.960467	7	4	3	1262432	1992563	954592.2	1607376	716346.4	2793231	3105680	1956640	1039209
9.952017	10	5	5	3211527	12165395	1751739	10709576	4066373	14066137	13865627	10536996	10413097
9.221317	3	3	0	1345702	3489897	2979117	4979023	3539159	1420815	6827654	6671990	1420151
9.976317	8	4	4	583314.3	1720755	535446.6	1361487	964201.7	2006623	2384494	1718496	950599
36.23683	6	2	4	239740	697602.4	789662.8	423740.6	234915	329172.7	463233.3	318172.2	2104480
9.46325	9	4	4	2675492	16597708	7617400	13393916	6408732	13194675	4730743	22789944	20865490
9.992233	7	3	4	531484.3	585929.9	362369.7	762095.5	410908	830691.5	0	930045.5	626913.2
9.912633	10	5	5	12374587	71042086	25877198	62029227	8318894	60099986	59094173	52082912	1.16E+08
10.97857	4	3	1	1353125	2319952	1028746	2844628	1264505	4009904	1216211	1972851	2129600
9.983433	10	5	5	774737.9	2118556	256605.4	1982221	336304.3	2421177	2337043	1965121	1806394
9.992233	6	3	3	442052.2	780755.6	345443.8	936279.8	339240.6	725464.8	323144	1291318	827658.1
9.856867	3	0	3	2520538	4818934	1201920	7024766	6476784	5026273	2910159	4842819	5072741
9.992233	9	5	4	800623.8	2655868	737042.9	2229698	1092842	3619274	3170524	2296954	1761002
9.161683	3	3	0	255915.8	547948.5	338534.4	368175.6	443492	898004.4	875154.2	146712.5	531865.9
39.40267	5	1	3	312112.6	3570899	158009.4	4014257	1310099	3517055	3480674	3851011	3526449
37.029	4	3	0	417578.6	5189570	1436899	5680072	298415.2	3620581	5836093	3725679	6823587
24.6525	4	3	1	216213.2	888636.6	875785.6	1229422	587007	167663.1	312373.3	1708573	1972839
10.98605	10	5	5	3897083	15554530	4063508	13215083	5992951	18819583	17861070	9032529	14148306
9.912633	10	5	5	57545112	6.59E+08	56254934	6.21E+08	1.02E+08	6.83E+08	6.42E+08	6.02E+08	6.24E+08
40.30917	4	0	4	328571.6	6095866	315603.8	5606773	1430750	5855538	5680699	6240304	6443183
10.67637	9	4	5	187183.3	829392	110777.3	904654.2	203018.6	730750	978498.6	834984	889457.1
39.24433	8	2	5	412028	5618590	428360.3	4942295	1979988	5509004	5081845	6108005	5998733
21.73783	10	5	5	2101171	13368920	5713202	10827696	5484902	13299129	4159257	16742461	19230423
42.53883	11	4	1	215525.3	2452275	2141395	1724925	374671	239511.1	5836403	1595088	1517522
9.872917	10	5	5	6149424	25627301	3378208	27838773	5916878	22164334	23096768	25054224	30548431
18.995	8	4	4	206555.6	383848.4	254087.4	587271.6	566900.5	813229.6	232330.3	219714.8	420548.4
15.7312	6	4	2	46461.44	248504.7	112062.7	204819.9	76035.06	428817.1	183142.4	286018.5	186720.5

10.92208	5	3	2	147439.6	365052.2	153123	296842.1	147893	581779.9	347992.3	200768.9	250124
10.008	10	5	5	479779.5	1136001	429588.7	1385804	644482.9	1368651	1744911	1078711	708728.1
10.45545	7	3	4	93976.12	191187.4	121699	248356.9	130538.5	367736.5	228025.9	84615.24	68304.69
10.9645	10	5	5	542192.4	2689609	571211.3	2471704	358476.8	3375682	3218558	2250410	2127343
13.27447	13	5	5	657119.2	1037733	447649.6	1612313	1672358	1733612	976143.4	578483.6	1159126
9.975217	10	5	5	11765279	6544151	1885678	9925516	9960426	8040256	6917563	8178617	6024011
10.95835	10	5	5	312630.5	1457609	257594.3	1294720	432923.3	1544443	1809236	1203679	1202969
40.30917	6	3	1	316435.6	5059976	1783646	5908336	1961406	5148770	7713297	2808187	4321454
10.02372	9	5	4	257524.2	936835.3	210393.9	789439.6	402036.6	783374.4	801454.4	765871.7	1177811
9.872883	10	5	5	7857239	25095772	4757635	29382528	12165321	28324773	26365650	30183061	22129369
9.445217	9	5	4	1481809	8371449	2472794	7006902	3451316	9049370	10265549	10924849	5193583
9.960467	8	4	4	2430804	5171987	2230406	4239716	1870358	7651852	1677708	5324726	4846332
40.74067	7	2	5	396758.5	8242898	6029537	6064885	2884532	5839261	5244801	19021815	5635272
9.392767	8	5	3	802369.9	1776291	531719.9	1325921	1269194	2510861	2175515	1416251	1350965
10.9645	9	5	3	284010.8	790811	83536.66	861714.8	199945.3	722986.3	910772.8	704326.3	787333.1
9.431017	14	5	5	972426.8	7389941	1683151	6639815	1635716	6351199	8658536	9660211	5713124
9.43325	12	4	5	3317825	9296326	2877535	7778340	3760557	7186417	8662958	11348942	13092471
26.34667	6	4	2	262054.3	1704881	991220.2	1314422	703894	884224.3	2209517	681084.2	1648076
29.84867	7	4	3	20909956	18710113	41319942	42382405	60927221	291292.9	92625442	202843.9	196366.4
9.999217	10	5	5	867352.6	2497952	598782.6	2148728	905162.2	3192514	2853011	2552165	1619296
10.94208	10	5	5	379320.8	2093759	625916.9	1818412	592463.9	2627639	2668075	1486656	1364621
30.266	8	4	4	257640.3	1866952	218106.1	2095452	658571.5	1805774	2250371	1742498	1720732
9.976317	5	2	3	3412100	1427813	676651.1	3327848	5646725	912215.3	928977.8	2453597	1785766
9.374083	6	3	3	684131.6	1058830	528137.7	840661.7	431492.4	1410229	318867.4	728303.6	1222286
9.445217	7	5	2	910984.1	5785995	2001152	4437284	3654350	7264062	8121686	6033625	3941768
10.008	8	5	3	1547108	2529190	1356123	3204454	1618906	3017059	4707638	1628984	1682687
9.544833	12	5	5	574916	2804549	1155952	3924842	3209776	3908053	3927853	2934284	1815869
9.848417	10	5	5	4604366	14344078	2741559	16973545	7527221	16754654	17423833	10761204	13153029
25.08883	5	3	2	70388.5	316461.9	145716.5	264763.7	61835.31	288887	464069.9	186115.4	171050.8
10.008	10	5	5	1134804	2066891	542742.5	2566915	1425807	2204642	2759419	2307535	1686926
9.94455	6	3	3	1296604	2853869	1324276	2254621	1331429	903918.9	2259231	3759377	4263196
9.845483	9	5	4	3384385	9196596	3780627	6899379	6050208	9093764	9786486	5320272	6645964
10.9645	10	5	5	379109.8	1842513	384837.9	1669584	381760.4	2218813	2195215	1520424	1374604
9.536783	10	5	5	1439032	4332361	967570.8	3676631	1781184	4744169	5155651	4571616	4531477
14.92695	3	3	0	163454.2	580085.2	336999.5	714315.9	249295.4	122754.1	709593.4	373335.6	701218.8

10.9645	9	5	4	694154.8	1641459	494928	2028352	1080884	2008778	1968844	1858333	814732.3
9.992233	10	5	5	776688.2	3230660	382676.2	2963396	731225.1	2993506	3778570	3173538	2792484
9.872917	6	2	4	1117678	3554815	1054134	3018143	1307559	4719218	2920827	4492698	3424590
9.4775	6	2	3	1308542	2679598	868949.4	4396795	5088210	2390966	2699986	1691261	2542954
10.93618	7	4	3	219582.7	467268.2	225873.6	351390.6	283707.6	712078.8	614450.4	123081.2	405461.6
9.8322	7	3	4	711216	1832791	631582.9	1447972	1015707	1778200	2428692	1064544	1388785
22.90033	10	5	5	337167.1	2115493	633220.3	1870800	424936.4	1694073	1764483	1911219	1977598
10.9645	7	4	3	199432.5	548694.7	197301.8	684463.9	370780.2	803674.5	612399.2	565322.2	503810.4
9.43325	9	5	2	588897.3	4885668	1206914	5321245	589787.6	6421045	5067249	5520086	3343073
9.856867	10	5	5	2049676	4448821	313761.2	6097877	4930355	4776404	4793195	4130316	4227540
26.78117	9	5	4	3097592	11491156	4913593	15459413	11162841	19858893	9502968	6910338	10586014
9.445217	14	5	5	2399676	23160588	6665672	20443722	5296101	30794905	26277687	26436078	15590466
9.43325	6	5	1	675458	1929981	788853.8	1505843	1067001	3027970	1974126	1019167	1353183
34.7235	4	3	1	315232.4	4289879	2448640	5133872	775223.9	7307227	4788655	3672494	599116.9
38.81283	8	3	2	237519.6	3325696	2245369	2574798	168992.4	2780532	6899835	2956865	3303455
9.983433	10	5	5	1733222	5604382	1145776	4777947	2281938	6198897	7073359	4987911	4070656
10.94443	8	5	3	241312	894526.8	200927.7	785225.2	276683	772980.9	1127848	704795.5	1096660
9.392767	9	5	4	1698958	3079044	1067599	2528125	1357381	2961415	3960157	1852474	2272036
24.8405	6	3	3	215768.1	1169569	686993.6	883354	578785	431215.8	1601573	478825.1	1366599
9.05635	8	4	4	291941.3	964533.3	612570.4	717776	472055.1	1138290	1822171	1052202	630167
7.486567	6	4	2	726524.3	17480136	9357397	13281193	9310603	2395853	23849679	26263799	15867427
9.979667	6	3	3	1986172	1427392	814864.6	2569440	3360589	1972486	461160.6	2480938	1351349
26.08067	10	5	5	3027295	35445196	14927783	28696275	15078047	24919825	46545744	16357440	36902476
9.857683	5	2	3	1196897	1757841	372705.2	2716956	2860238	2012769	1367024	2009190	2066218
9.842	9	5	4	2435967	9430344	1828012	8310693	2969418	10231852	9987813	6991863	8254801
44.09217	4	3	1	386680.9	5846990	1690274	5282541	108738.1	4634087	5283302	5061335	8822134
9.416767	10	2	5	4561544	13246840	5127029	18717608	15867643	21735753	12492223	12557467	7823862
10.008	8	5	3	341449.7	643961.2	142206.6	515576.9	366828.1	809205.6	659368.3	695698	418980.7
10.008	7	5	2	371621.8	822341.2	87913.57	665919.3	463805.6	956491.8	817011.8	845986.3	727289
9.853633	5	1	3	1638590	1550512	672794.7	2956652	4183502	1388357	1852598	2132687	1928856
9.419733	13	5	5	8981698	81766954	22192330	72803827	17263858	1.08E+08	85923395	95994474	55696486
9.976317	8	4	4	698916.3	1844293	445361	1585714	673763.6	2136652	2484647	1605679	1501547
22.90033	10	5	5	2993488	30037652	5255760	27858467	4386483	25894758	27154593	29460965	28557692
9.93625	8	4	4	3093750	5459850	1337349	4634964	2194786	6932009	4236490	4009599	5483867
10.95055	8	4	4	212823.1	789380.2	451000	610465.6	333206.6	1219244	471859.9	313344.4	628257.3

10.98605	5	2	3	301718.7	584237.8	183234.3	703521.4	322457.4	514396.4	802122.5	354912	739014.9
9.859983	10	5	5	6643112	8472135	1426864	13438505	14866441	10138471	7012312	9447370	8771951
9.887133	6	3	3	1351168	5041166	1540529	5602173	807898.4	2508536	4759351	6466702	5699580
22.92883	10	5	5	184877.4	2011808	169916.5	1909396	270668	2152776	2221490	1902852	1963654
9.9677	10	5	5	2980893	11397920	1706439	10326096	2871989	12291795	13269049	11039006	8724475
21.30933	8	4	4	118602.7	559310.8	179323.6	479844.6	174791.4	447124.1	818248.1	664929.3	487866.9
9.992233	10	5	5	2299700	2585622	723791.2	3774441	3526216	2730757	3081417	3377756	2164305
10.008	10	5	5	1059233	2054114	585571.7	2531190	1349672	2232801	2774091	2323983	1651114
21.98783	6	2	4	2214411	11637722	1040581	10745053	2542763	10009629	12544047	11412123	11687449
37.93517	6	1	3	402860.1	4960654	1715142	4108779	2061827	4308650	3863492	8001930	4150514
9.904767	10	5	5	2087163	5476101	1523963	4792960	1522395	6589036	7110375	4355311	3479341
10.95055	10	5	5	212398.6	695025.6	233128	606357.8	150288.5	864296.7	1001575	454016.7	510107.3
9.3494	4	3	1	307510.9	1650839	604224.2	1328435	812780.9	2520514	1088457	1279044	1331361
9.93625	10	5	5	3551274	12899815	3152896	11292568	3954772	16671809	13455240	8779598	10767799
9.419733	9	4	4	1324779	2344540	1338709	3876046	4477674	3564932	560713.7	3727815	2286508
9.514733	6	4	2	1105251	4255293	3141591	6247272	5360277	7116689	4216240	7573630	341167
38.75533	6	4	2	453996.8	4132394	2262603	4937044	1033143	6275757	5224476	4544184	325079.2
9.37735	7	3	4	2043663	4596450	2208270	7226483	7709051	8258343	4108770	3448576	2467957
9.94405	3	0	3	1620941	3016221	857490.9	2483721	1424557	4127562	1956172	3285197	2377158
10.97857	7	5	2	264645.2	1041277	227060.2	1159220	293431.9	1079695	1369003	849021.6	803892.8
9.8445	5	3	2	1526971	5396701	2156574	4573669	1411513	4473759	3276887	8398540	6874200
9.994767	9	5	4	334634.3	1117840	252963.6	953970.5	443825.6	1243754	1308839	1298901	715792.8
25.7095	10	5	5	502116.3	2587856	350033.6	2301046	813138.6	2422406	2934645	2075052	2642781
9.9351	5	3	2	707904.9	2055884	1006957	1703563	403875.7	3742014	1115330	1675462	1631662
10.9645	10	5	5	2683864	12931438	2945231	11709860	2480714	15597772	16194023	10468905	9637513
10.9645	10	5	5	441682.2	1990101	442980.2	1758726	577789.7	2459209	2377168	1476510	1603652
10.03947	5	2	3	584150.4	319382.7	233401.4	483523.8	453687.3	362949.4	0	609245.1	434594.3
11.67165	5	4	1	171101.5	557634.6	343911.9	428155.1	214544.2	375711.6	465427.3	627425.4	1110224
11.52297	6	3	3	49683.01	76281.49	49371.49	104172.3	72332.74	108639.3	52322.25	0	111982.7
10.45545	8	4	4	207540.4	607872.9	160691.2	535891	160982.9	854358.3	410493.8	576388.1	564229.9
9.976317	9	5	4	2678806	7477543	2101310	6363770	2807895	10427862	7626184	8125436	4739154
9.856867	10	5	5	79870696	5.21E+08	30230717	5.05E+08	41125725	5.63E+08	5.29E+08	5.04E+08	4.83E+08
10.03947	9	5	4	420271.9	533902.4	163695.4	772162.4	706551.5	400455	600220.6	687754.4	660169.4
9.928667	4	3	1	2385987	2107326	1694586	3037067	2385615	1307482	764567.8	5043775	1480289
11.80168	6	4	2	45994.24	150317.3	54132.95	175131.9	56843.69	81044.98	170639.1	158295.1	117856.1



29.5905	6	3	3	266873.7	1145371	1522711	602342.9	725318.6	153277.4	308132.3	11929.32	3605447
9.433	8	3	4	594770.7	3968911	1719279	5064632	2965822	1765123	5232307	2446566	5302128
43.41617	4	1	3	467987.1	5622860	457762.2	5225006	1140276	6021629	5411311	6034804	4945642
9.960817	10	5	5	2655035	12330147	2915320	11183315	2137537	15725279	14872729	11415457	8688881
9.9847	6	3	3	294731.8	488746.7	317136.7	629462.6	312856.1	384318.4	0	767999.5	758110
21.22417	9	4	5	134509.8	737235.6	282990.7	625059.4	212557.2	710278.6	1179965	757080.8	638431.8
9.4925	9	5	4	555774.5	1370595	235265.9	1147951	644346.8	1664467	1530375	1275995	1325423
9.845483	9	5	4	1406105	4735318	2031956	3490027	3335490	4259885	4286331	3358353	3483560
10.9645	10	5	5	1996722	9578276	2157879	8672951	1884962	11548402	11824238	7616184	7164816
9.338567	4	1	3	399090.7	261789.5	507363.8	479391.5	466358.7	0	0	0	146699.5
9.994767	9	5	4	1240895	1456294	808730.7	1943962	1299873	1754630	2689678	1023440	579121.2
9.842	10	5	5	1397579	4085596	625208.4	4795596	2085349	4732374	4792210	3644435	3496795
9.8887	9	4	5	2521843	6845571	1563032	5618084	3474754	7617602	5294620	5343399	8964020
9.992233	9	5	4	511790.3	1059106	222631.2	1288352	668816.6	1253607	1333180	988487.5	836252.6
9.9677	11	5	5	3735810	9217690	3515058	7716008	3206302	12147791	13579011	8040108	5228112
9.929783	5	3	2	684416.1	805741.1	482582.6	999716.8	378362.1	1439710	411716.9	1136311	294262.1
9.5021	10	5	5	2520388	5510998	840000.2	4984923	1419600	6358218	5900812	5893641	5198438
9.872883	10	5	5	4242749	20835875	3742822	18593414	5971386	19048600	18494505	16941394	24791586
14.34133	7	3	4	72578.3	157129.2	74643.13	252571.7	282325.2	254704	132743	117506.7	69502.65
10.008	10	5	5	1024459	2118068	524849.9	2583942	1341167	2269991	2752319	2399693	1700585
9.972483	5	2	3	303280.1	722161.7	308067.9	556916.9	421138.7	241129.9	583473.4	940265.3	942721.1
9.473733	9	5	3	1133548	3305919	955953.9	2749453	1467345	3025339	2538805	4203381	4423023
10.9645	10	5	5	245819.9	1417246	397166	1234301	422968.6	1514092	1898122	865972.1	1196550
9.8322	9	5	4	520040.6	2178345	613267	1745674	1203234	1908566	2878437	1589343	1718263
9.447733	8	4	4	2232377	9096703	9532696	12754012	6485613	16681157	21982914	2625258	2242285
9.82645	5	3	2	943988	2293444	1121265	1729566	1389805	1542296	1514556	3828825	3156983
9.43325	10	5	4	651793.1	4255703	1813133	3446689	1818083	6837421	4930965	4010987	1903459
9.46925	9	4	5	543893.1	848029.8	197249.3	989117.5	393695.9	1066259	1030297	828906.6	686462.5
9.659033	6	4	2	425153.2	1019755	367734.8	799120.6	588721.3	1073218	450977	1126342	979517.8
9.94455	10	5	5	3275698	4516809	1280514	6050667	4530515	6197667	4998753	4869695	3584876
10.1999	7	4	3	315636	784940.9	327635.6	935798.2	349939.3	895139.7	641980.5	1306197	594442.4
24.7245	10	5	5	52386.21	259974.3	61292.2	296553.7	97630.95	264928.5	226874.8	245622.8	201229.5
26.08067	10	5	5	1157814	13708265	6356798	10976821	5922469	9394009	17585453	5762971	14043903
7.578517	5	3	2	719520.4	3637014	3237605	2292756	2788637	6459129	147734.5	204639	4791060
9.864767	9	5	4	3446951	14426114	3809217	11577661	8040013	13786837	14004082	8821616	16375750

9.8445	8	4	4	2095598	4155391	922696.6	5383203	3653073	4497154	4510208	5323829	3393734
10.40908	9	4	5	180444.2	784673.2	145541.5	672597.2	317976.1	654704.6	771383.2	726686.4	736890.1
9.507167	10	5	3	3132079	12764680	6118100	16681756	10694155	19084908	2678991	14802113	12530050
24.5505	8	5	3	254063.1	1031308	351246.9	748602.2	807483.2	844939.2	859301.3	753197.6	1622750
9.976317	10	5	5	1552513	5512890	1219392	4707073	2218211	6219615	6949017	4669175	3906762
23.5275	7	4	3	381568.3	1633588	1251779	1170548	750148.3	479473.5	2997761	810822.7	888701.2
10.008	9	5	4	378975.4	872539.2	157810.8	961328.3	232485.3	819771.5	903636.7	807200.7	706507
18.99467	5	2	3	100055.9	259110.7	50458.97	217739.6	118531.3	271679	277786.9	288407.2	169735.3
44.4085	4	3	1	307027.7	5257097	984977.2	5587491	240750.6	5341821	4661858	4081979	5500895
9.91765	7	3	4	1210556	2580640	959586.4	2106710	1162161	3467649	2327399	1458594	1972104
9.842	3	3	0	1558467	2858865	2169241	3848079	2285133	680212.3	1025137	4578940	2403869
9.512983	8	4	3	2281150	2440506	1652361	4389914	5771630	361416.7	2177163	4430693	3736080
9.388617	9	5	4	1505398	4918697	2357970	4061509	1305044	5353672	3265771	2477171	4923362
10.00998	8	4	4	366405.3	768268.8	397989.3	928563.6	318330.8	1194608	122026.6	885033.9	907116.9
30.29483	9	4	5	156737.1	640235.4	91494.61	544376.3	281733	713934	652932.3	724084.2	498676.7
9.976317	10	5	5	12861138	14819954	4645142	18642035	10965833	21752568	12773029	17353974	11345715
9.554967	9	5	3	10474281	35354171	32272248	48318556	25659701	67096068	64892801	1750016	41184275
9.3141	4	1	3	555608.8	3358008	1274567	2743051	1487549	4064510	1182568	4189257	3245516
9.848417	10	5	5	2071206	7725320	440077	6934488	2380416	7828364	7739221	7743467	7043606
10.02372	4	1	3	750522.9	636315.2	242710.6	874040	695554.4	411880.3	436076.5	679447.9	1014862
9.992233	5	3	2	906736.6	1345326	565551.3	1699855	964873.7	1229281	1887498	1947182	1033040
9.40615	10	5	5	2061458	10651500	4632492	8001689	7000733	14671982	10594614	12513550	12700337
33.67217	7	3	4	132304.7	843703.6	313140.4	714973.2	265128.1	912665.5	511590.5	1043017	532541.4
10.95835	5	2	3	347891.4	800493.9	162365	921788.9	343417	774687.1	855020.7	580363.1	763848.1
7.217967	10	4	2	509153.7	9480364	5771579	7478164	2379154	11403529	4600565	18743267	6172884
9.904767	6	2	3	5469072	9077481	2264476	17781652	26447975	9848725	7157674	12685278	7538986
9.88815	10	5	5	1.61E+09	1.01E+10	6.25E+08	1.13E+10	3.72E+09	1.06E+10	1.08E+10	9.58E+09	1.01E+10
10.9645	10	5	5	4827385	13133412	2150477	16251218	9342874	16103953	14579270	12501675	11347504
9.983433	6	3	3	742769.5	1602950	305208.6	1429033	459618.8	2057624	1689296	1598529	1419609
10.95055	10	5	5	937006.3	3407443	927691.3	4129778	2061769	3909348	4778145	3008168	2487827
10.9645	10	5	5	481785.7	1951877	505149	1749855	399434	2411801	2455073	1529440	1341429
10.008	10	5	5	538218.6	1869863	340726.7	1685896	475923.2	2138634	2217384	1974554	1493517
9.842	9	5	4	1623191	7032893	1793675	5708651	3750542	7123451	7065674	5110447	5990075
10.32788	7	4	3	154363.9	398322	153001.8	346410.8	50316.83	460173.1	630694.3	362161.8	244695.2
9.90755	7	3	3	4621717	9508082	9445607	14026127	10919989	3842912	10053061	4645814	3296178

9.874317	6	3	3	1320339	3908605	965213	3375732	1393069	4140560	3482434	5256144	4042642
9.853633	10	5	5	2453390	9923642	2518597	8468947	3870921	10130412	9979974	5730832	12003466
9.460217	6	3	3	423168.5	833112.7	399553	668718.1	341345.6	919568.9	162223	816547.2	1141620
43.04233	4	3	1	322425.4	3686686	3236864	2626165	108316.9	2310150	2548431	1358210	9392240
10.95602	10	5	5	196216.6	576771	216800.4	651823.6	89721.08	776311.3	724123.4	591690.1	221503.4
9.999217	10	5	5	2278871	7447826	1562506	6483327	2624722	8834459	9029572	7514825	5326078
9.41815	12	5	4	2543589	21723860	3040247	19287055	6999920	21960342	22170295	26321172	19989690
9.234417	5	3	2	669229.4	4920152	2186705	4036493	1785937	5395700	1393730	7399735	5482745
10.38337	10	5	5	434526.4	1261725	443422.5	1450380	409791.1	891841.8	1607490	1822145	803511.6
9.840617	10	5	5	784023.6	3266031	607037	3009255	553970.7	3771756	3524930	2284784	3087218
9.7565	11	5	5	1026684	1197445	417056.7	1416336	560002.5	1597846	1654087	823607.2	768219.1
11.54093	6	3	3	103534.9	306162.2	111103.3	258637.9	103948.2	469092.8	246987.3	233582.9	372957.2
9.507167	11	4	3	987966.2	4104871	2591308	6071175	5604543	3520206	4846689	3763658	602877.1
10.9645	10	5	5	1122344	7270160	1325181	6555964	1850870	7526965	9170959	5965562	6043766
44.9835	6	1	3	367892.2	5085168	333816.4	4751313	983248.5	5163188	4513529	5173505	5180698
9.951283	9	5	3	1241213	3362413	601294.5	2733478	1859006	4058532	2747994	2745351	3456807
35.298	5	2	3	91271.2	510509.1	205714.5	425027.3	180502.7	529648.7	547573.8	450332.8	798768.1
9.43325	9	3	4	2145595	7153427	4795839	9109250	4020458	8759443	2413394	1825345	12559436
42.43833	6	4	2	313276	3507694	1358694	4012939	854222	3994872	4288055	4333709	3814452
10.72028	7	4	3	1.71E+08	1.34E+09	5.52E+08	1.58E+09	5.07E+08	1.98E+09	1.49E+09	5.1E+08	1.15E+09
10.02372	9	5	4	275195	764222.6	131885.6	633611.5	384672.2	907634.2	606851.7	662920.8	761280.4
10.9645	10	5	5	390530.4	1745245	375062.5	1583651	357379.3	2068971	2105933	1468562	1251451
16.56375	10	5	5	237346.4	1722397	441816.6	1542722	368358.1	1932406	1510894	1196318	1614671
9.972483	9	5	4	1156750	2914205	644844.9	2510282	1106344	3498139	3704013	2354645	2671384
9.992233	9	5	4	934389.1	2908231	1017140	2418237	1195255	3275007	4316614	3013162	1620442
9.830283	8	4	4	4035738	2219406	1457903	4911440	8155110	1259244	4792060	1529224	1585362
9.952017	9	5	4	662070.9	1738386	327152	1493216	698724.1	2058405	1208867	1714221	1948567
10.1999	8	4	4	425849.6	617779.9	252679	831641.8	620357.2	393045.3	827683.9	792260.8	295432.9
10.008	9	4	5	816923.9	963103.6	195583.1	1245784	851176.7	1119135	1116086	1048436	665368.6
9.848417	6	4	2	426885.8	1440928	380759.7	1640082	510313.3	1155783	1209219	1200079	2043219
9.0258	5	1	4	208041.4	207214.8	195585.1	295475.7	204845.1	208015.9	389821.7	23610.11	414626.5
9.3735	4	1	3	1396071	1478648	304764.1	2616126	3474656	1421781	1065237	1356396	1833612
27.23	9	4	5	338234.7	1260440	1442816	777952.3	394950	949855.1	3811745	374356.2	679514.6
9.976317	9	5	4	2527684	4438840	1282194	5915121	4400656	4448186	4408248	3045756	3798005
10.97857	8	4	4	576750.4	2314239	646417.3	2012461	721034.5	2131568	2211333	1720663	2087228

12.25335	5	4	1	78494.39	293549.5	176350	224662.8	132137.9	96402.35	262753.1	310349.9	575202
9.94455	10	5	5	13111880	23356871	5169644	28609982	15530036	29970004	26680699	23536130	18976424
9.960467	10	5	5	9546735	36357228	7893014	32018536	11383654	41675063	45325540	31093785	25842534
10.9645	6	3	3	376403.1	894532.9	327281.2	737354.5	383505.9	959331.5	1385161	798196	479414.6
10.03947	10	5	3	701318.3	1148607	435109.9	1323221	352055.2	1755883	655153.1	835335.1	1364463
10.9645	10	5	5	399638.1	1277892	332939.2	1129295	341944.8	1670687	1488016	1026536	857186.3
9.01065	5	3	2	361069.2	681534.5	487487.9	486482.8	391413.8	1310212	883736.9	746173	467550.6
9.964417	11	3	4	1084328	2651483	1697768	1888446	1767744	4586865	599392	4229446	2008264
10.95602	7	4	3	396104	1144240	433550.2	935442.5	510869.7	775844.9	1229397	1163034	740935.7
9.920517	5	1	3	614326.8	660584.4	593179	1031834	1019383	1085743	1450737	522052.9	80806.36
9.872883	10	5	5	2133840	5950841	941851.6	7714357	5355081	5944247	6273880	6621197	6577190
10.03258	7	4	3	3617827	7380902	6621604	5104017	2680421	18773145	3575305	2450745	4771673
9.960467	5	3	2	1078368	1634460	737144.8	1261048	943094.9	2424554	2388999	1438053	832835.8
9.859983	8	3	5	946357.3	3914871	1107498	3396577	1243258	3133623	3623136	2859746	4333538
9.3919	6	5	1	558159.5	1406696	660511.8	2163553	2259426	2297602	1552616	1618942	1011241
9.979667	4	1	3	373948.4	827855.8	352179.7	666840.6	379373.2	850859.6	378163.9	1329812	651337.5
9.55155	6	4	2	314695.9	607448.2	164311.4	519684.6	227861.6	566696.4	868261.9	529837.9	431011.1
9.93625	10	5	5	2490328	7896598	2052123	6828438	2739025	10946776	7097269	6543646	8975514
9.887133	10	5	5	2873905	15461990	1207291	16844018	4126402	15752077	14298914	16699603	16461870
11.01378	3	0	3	187082.4	229494.6	193168.7	295247.3	70975.21	58599.58	542661.8	87496.13	199239.6
9.856867	10	5	5	5170454	26594097	1164963	28499903	5773811	28491173	26695544	26076853	25376628
10.96	9	5	4	945158.3	1909591	1285794	2457408	1204099	3197579	3247021	1778700	798271.7
9.960467	9	5	4	1036493	1936379	708083.6	1617601	741388.1	2495100	2869503	1640598	1238673
31.42217	8	4	4	124031.2	431834.9	159071	528790.1	264573.4	325079.2	559374.3	209410.7	489358
10.21522	3	0	3	88138	163955.2	89128.81	263046.1	295489.8	311678.1	136931.1	173612.9	116578.9
11.53673	10	5	5	470245.3	2348235	424533.4	2607249	707330.7	2863727	2462928	1683899	2358155
9.644783	9	5	4	633816.5	2324945	316119.1	2020662	898091.8	2031243	2681730	2161852	2652949
9.960467	10	5	5	1639563	2066760	674344.3	2786685	2142569	2638937	2476500	2535030	1504286
10.98385	5	2	3	3404769	15278607	8324419	11934931	6794332	20894347	22599462	6348212	6054856
44.9835	10	3	2	421174.2	5326469	821935.5	5041537	362050.1	5274275	6510441	4984430	4272447
41.8195	4	1	3	223898.9	2974648	120065.8	3060812	244771.6	2820986	2890152	3119766	2993563
9.664033	9	5	4	479723.8	1578496	223847.4	1367723	621528.7	1683244	1739300	1187632	1602588
9.554967	9	5	4	347046.5	838762	378042.6	1062960	607925.1	624298	1422316	562195.2	564065.4
10.10793	15	5	5	1367949	4520541	619815.6	3829058	2066142	4990064	5246364	4149453	3713439
9.976317	9	5	4	1227131	4903518	1286259	4141303	2066784	5230791	6836965	4284911	3360803

10.43382	8	4	4	152802.2	369799.2	54036.28	421756.4	153643.6	394068.6	297525.5	423099.2	328342.3
9.43325	9	5	4	503583.7	3112963	1507316	2460576	1468173	4617086	4617952	3112458	1476795
24.75383	9	5	4	87206.4	303786.4	175095	242567.9	83124.97	174894	286439.1	172630.7	600665.8
9.870017	6	3	3	1173979	2067023	877692.6	2882681	2405308	913841.4	1658730	2968537	2923475
11.8155	6	4	2	100287.6	358201.5	157655.1	294536.2	131140.6	537871.7	487164.7	286480.3	146739.9
44.72467	4	3	1	124298.5	909770.7	108019	976139.2	182307.1	1051507	865774.1	781258.9	863274.8
10.84643	5	3	2	154640	259113.9	77305.99	332804	217922.1	234763	205099.2	183780.8	297834.6
25.89433	6	4	1	7261227	55947304	56936838	36885125	17595969	9541577	1.54E+08	49235604	28270487
10.95055	6	2	4	151874.8	390718.6	272047.1	297862.6	106972.6	841275.1	415143.9	339167.8	170747.2
9.092333	5	3	2	600244.4	2652429	1647134	1962497	1497762	562761.3	3128119	3527665	1406204
10.50403	9	4	4	757969.1	2583943	414591.2	2337273	671250.8	2995401	3042327	2320629	2446296
32.04167	8	4	4	432706.3	2601861	1628745	1969386	1219023	1499380	2655142	499978.5	4105392
10.4842	10	5	5	2512863	25495018	7755561	22217415	7194774	28492132	32179258	31614502	14083772
28.404	9	5	4	2231302	23161981	12137551	18358174	9592854	12327718	29059509	8321345	29787096
9.896717	6	3	3	2320234	1755060	590921.2	3080779	4057878	2388009	786390.5	1826865	1792613
9.872933	10	5	5	5510723	48829901	3340104	46351594	7106589	51640829	49778250	44013305	46902350
10.9645	10	5	5	401138.5	1705997	442287.5	1504955	475116.8	2063151	2225938	1302654	1234953
10.97857	10	5	5	298292.1	1955499	507516	1745111	451284.3	1225536	2510911	1831733	1850545
19.12583	7	3	4	1089727	3262875	931199.6	4736063	4479709	3899288	2771127	4523223	2209523
9.848417	9	5	4	1502021	6349141	2105046	7577036	3322344	6280125	5622598	4045649	6016630
9.960467	10	5	5	2338445	8767013	2072563	7687819	2786625	9719186	11489504	7430971	6123950
9.0292	6	4	2	3652509	17147169	10361079	25749329	25091396	28186099	7251397	13680935	8436766
42.99917	9	2	4	216787.8	2563114	866718.8	3730026	3529424	2076828	4102152	2107109	2347501
31.29133	9	5	4	437466.5	2371188	1350435	1888842	734799.7	1133062	2868462	732850.6	3565225
9.447983	4	1	3	20983892	71383492	47172547	46947321	62974331	92404537	635654	50061346	91492942
9.94455	10	5	5	1878739	7817786	1231774	6962785	2424262	9252694	8508210	6730377	6346900
42.99933	5	3	2	315384.4	2820560	1623726	2191637	1210563	3215829	2618700	704195.7	5199974
9.6315	10	4	3	949710.8	7860695	2361634	6967086	1634639	11108788	8264017	8826799	5586383
9.983433	10	5	5	1E+08	5.09E+08	95838200	5.69E+08	1.64E+08	5.94E+08	6.03E+08	5.3E+08	4.33E+08
10.03258	13	5	5	2482390	9232695	4532320	6908933	5964360	10124589	10945750	10100925	1510607
9.1476	6	3	3	3102621	10242982	5925374	14113896	10840019	5474301	17895546	14585186	9292198
9.960467	9	5	4	852668.3	2132214	421728.5	2423266	825221.1	2579662	1432962	2243361	2204799
9.91875	5	2	3	3095188	11041748	8998311	7689749	5921548	22457632	12347296	2225268	1792118
10.9645	5	3	2	207883.4	377898.3	166492	310471.9	140782.3	345263.6	670513.5	312549.6	302700.6
9.133667	13	5	5	3963782	7108135	3597713	12448965	16249469	7635955	12191195	8417065	3686254

10.95055	10	5	5	1667415	4583361	1083917	5829839	3750355	5680217	5804610	4156222	3506266
10.94208	4	3	1	159992.3	374063.1	100813.2	325336	121074.6	288404.6	371693.3	292259.5	380886
9.840617	4	1	3	1077174	3216133	1473417	2673815	927689.6	4791330	2373688	1176132	4358029
9.960467	15	5	5	1723197	4562798	2485134	3680935	1322077	3028667	1453472	7101593	7033195
11.52297	10	5	5	14148008	88157505	12124292	80828764	20128906	1.07E+08	83464704	80299876	76954094
9.538267	10	5	4	2905821	4653043	1503961	7271472	8004460	3913605	6359907	2458585	5169104
9.932033	10	5	5	3311366	12591455	2569838	11278176	3372529	15458955	13208187	9681727	10161564
10.00098	8	4	4	375269.8	762554.1	300157.9	886784.1	267675.5	1012188	824733.8	1044522	604230.6
9.903567	9	4	4	1190772	2840417	825622.6	3619111	2310517	4236686	2530768	2795054	2581508
9.433	6	3	3	865655.9	4670428	2005450	3856776	1706352	7625635	3132280	4493784	2603215
9.5812	6	2	4	617993.6	5373374	751959.8	4901099	1312029	6131524	5779200	5494034	4146854
9.848417	10	5	5	3044899	9473176	1815704	10956241	4332615	9917920	8973101	11553058	10244710
9.8445	9	5	4	985037.9	3303738	917433	2741295	1553083	4422402	3775860	2030074	2813573
10.39612	10	5	5	818759	3209069	626019	3546518	890216.8	2473055	3871019	3853709	2992204
9.932033	7	3	4	722100.1	1583614	596888.3	1958405	1042246	801146	2206492	1809335	1119427
9.697633	5	4	1	178594.6	317016	58984.23	276329.1	115713	291704.8	378536	366825.6	233321.4
9.994767	7	3	4	377080.3	554044.5	116372.2	694095.8	423255.7	655424.3	685071.3	520301.1	508804.8
9.94455	4	1	3	437816.1	658310.7	404162.6	832064.1	393109.9	1184591	72040.63	803728.3	552704.7
10.9645	10	5	5	1569900	7150638	1625366	6427573	1692558	8692830	8770268	5596274	5383141
22.55267	8	4	4	159186.8	701199.3	240832.5	616138.3	126427	460603.9	1072664	783074.7	653115.3
9.928667	8	5	3	2725333	6091316	667072.7	5245708	2563743	6815481	5363882	5434034	6226416
10.95602	10	5	5	386529.8	1419208	357068.5	1275799	297544.9	1933110	1634338	1206020	1058528
10.90012	6	3	3	128204	316720.1	106735.4	274663.3	84671.42	433669.9	432544.5	249698.7	222700.1
28.02567	5	1	3	3137020	42678958	4402825	52907123	31509516	41461471	39466217	39818850	42388344
10.94208	9	4	5	356676.7	1606059	416591.5	1392297	552293.3	2117422	1984294	1251544	1236529
10.9645	10	5	5	2393758	11465652	2573111	10401357	2307482	13819912	14223652	9227801	8580103
9.928667	9	4	5	788844.5	2642320	896873.8	2231420	988504.9	1738992	1973246	3471829	3717273
10.96997	7	4	3	310620.1	1071028	372148.4	880779.5	491149.1	954686.3	788772.7	714406.7	1293043
9.848417	10	5	5	914353.3	3384765	522919.6	3143622	583545.4	3922716	2639999	3676132	3626429
9.840617	5	3	2	852610.6	2089459	1283238	1575248	1067769	1399907	4069965	2453366	1848207
9.37735	7	3	4	1561096	7592596	6520949	4875584	5955074	3221612	3660720	12491351	2023674
9.8322	9	5	4	761603.4	3073298	421932.5	2809427	735506.3	3520816	3496184	2890077	2907646
9.976317	7	4	3	314807.7	853047	61273.2	699835.6	473024.1	843011.4	871445.7	907050.8	891566.9
9.842	4	3	1	3485050	7113435	6552992	9696683	5228907	1807737	12064785	3257112	2313541
10.9645	10	5	5	7980122	36660432	8508543	32952446	8549662	44282771	45783270	28891647	27293037

44.9835	8	3	3	390255.9	5947706	6150189	3718877	3700559	484027.4	3527148	3202586	6184927
10.9645	10	5	5	477752.7	2102103	373518	1899952	536853.5	2414330	2436689	1675251	1725443
9.582167	5	3	1	6305556	16393822	20356786	23812443	12553846	40476229	1494815	36794317	2568458
9.960467	5	3	2	451258.1	755477.2	560917.6	513647	552036.8	1348650	1209457	818539.3	0
9.94455	4	3	1	561148	875424.9	478305.9	662622.8	500770.7	1228432	128464.2	1348542	888610.1
11.00657	8	4	4	232906.6	1027383	399372	864252.6	349346.9	1402469	529108.5	1042410	732932.4
10.008	10	5	5	1074118	1979706	748431.9	2479401	1417524	2210435	2694541	2526392	1596969
10.54388	9	4	5	391369.3	1405934	474549.1	1607638	453920.6	661591.1	1939054	1534462	1593201
10.008	10	5	5	1063818	2043597	587778.3	2521146	1401834	2147447	2756087	2425080	1461837
22.757	9	5	4	282257.5	2033335	978437.2	1605851	990214.1	1327789	2641431	790416.5	2194285
9.848417	9	5	4	6009007	28155517	7849974	32070507	10004677	29893871	15474246	28445258	37075350
9.842	9	5	4	1004058	4474834	1312147	3641130	2338389	3843703	3396881	3821777	4628705
9.3735	7	4	3	573401.4	1231756	700462.2	902101.4	812285.2	1988779	1787207	1126791	1040868
9.887133	6	2	4	13236113	48944330	39739567	33361419	31366435	98149874	51039318	10718401	8167695
9.858833	10	5	5	1990830	13202420	744022.8	13992343	2380673	12952752	12212102	14124273	13729453
9.830833	9	5	4	1008727	4118431	454959.9	3926416	429385.9	3631475	3640896	4484688	4575192
39.46017	6	4	1	454444.9	6535843	2371706	5762440	501861.7	10481537	6119567	4051624	5870754
9.43325	12	5	4	1771714	6338516	1959603	8178585	5494383	6246828	9002785	7476365	4677059
9.960467	10	5	5	1465939	5165530	1228043	4454935	1941003	5742405	6803052	4350439	3636814
9.8374	9	5	4	665500.4	2170752	671474.1	2450446	616326.4	2153057	2321666	1252568	2002311
31.26383	10	5	5	1121629	18303613	654510.1	18860757	1647013	17611481	17847591	18145321	18684740
10.94208	8	4	4	166387.3	269115.3	122811.6	346978.1	218628.9	50379.67	337589.8	305916.8	327551.5
10.95055	9	5	4	373334.3	2196693	537683.5	1946522	612873.5	2511054	2343436	1645113	1638722
9.986767	5	2	3	1965242	6375579	5370170	4330309	3908549	9668002	5166241	1895113	13902937
9.177967	6	3	3	398999.9	1713325	856751.5	1397790	556057.2	2815349	1945642	1970194	508019.6
10.96452	5	3	1	3252647	6650273	8644613	9901571	6045310	19924711	469485.5	11005373	907185.3
9.554967	7	4	3	254185.2	461591.6	155509.7	347957.8	329023.4	551723	189300.6	547967.6	474705.9
9.8445	5	3	2	1204510	4737927	1078181	4013540	2063617	4998448	4909677	6066264	4644442
10.97857	7	5	2	375743.3	1046972	217339.7	1187531	396956.5	1019298	1074451	882915.4	1400227
8.874167	10	5	5	1252996	3735534	1905551	4877940	3160542	3347389	6966063	3685200	2203098
10.97857	10	5	5	328192.7	1697668	604600.2	1438346	592212	2053073	1624652	1042894	1238703
9.976317	7	3	4	633979.4	1501998	837894.8	1887977	940055.1	2234761	2302573	1738770	679019.9
11.03783	9	5	3	16051358	22961713	9290876	33574132	32201524	27698189	34729698	13092877	13945123
9.848417	10	5	5	882776.8	3320035	1881687	4043286	1413054	5782362	2725387	2399906	4642193
36.617	6	2	3	397872.8	8030560	1822957	9757493	5172999	9276046	7695539	4976528	9150626

10.42575	8	4	4	8519984	9754681	20907030	18976745	21697150	226791.9	47151305	305626.4	861392.1
10.95055	5	3	2	1028591	2150327	868049.6	1721463	1095804	2318005	3457394	2240705	1516969
11.16097	10	5	5	5849226	25632351	10056390	33364886	22614305	40798762	28401408	13906909	20283676
9.999217	10	5	5	1006494	4289906	1015060	3759300	1396408	3983424	5980818	3843983	3306345
9.992233	10	5	5	688840.6	5089791	55518.61	4844816	762979.6	5095109	5065098	5032136	5180269
9.4468	5	3	2	2593114	3987935	3020237	8451552	13712779	6904145	2298668	7494608	2523653
42.75483	9	4	2	415069.1	6702654	2311313	7825777	2843368	10014924	5063647	8163996	5711029
9.992233	5	3	2	372401.3	678494.3	284480.2	852076.8	483835.8	652474	1076802	720101.7	275326.8
9.972483	3	0	3	346256.7	722788.2	356082.3	844939	162990.1	965099.9	155073.7	1077074	719030.1
12.69123	6	3	3	56555.54	261699.2	92304.79	223942.1	81879.76	391854.9	153330.4	313295.1	220439.7
36.56817	4	1	3	364261.9	6702731	1224959	7427707	2004289	4515754	7377714	7176061	7231542
9.983433	10	5	5	1477428	4623805	1156405	3995268	1685493	5700714	5816373	4676603	3278450
9.976317	10	5	5	1496398	5757989	1167435	4951518	2318404	6486319	6744621	5237970	3943278
10.008	9	5	4	453503.6	874652.1	243450.4	1030009	438808.8	929151.8	1181034	1004829	665979.8
9.27445	8	5	3	1114154	1099890	243004.4	1993357	2784360	903965.3	1284100	1156311	794958.5
9.992233	7	4	3	1434071	1677718	1238113	2423663	2074552	1296762	1847112	1005954	3718831
9.994767	9	5	4	985016.1	985590.1	257378.1	1229301	731622.7	907071.9	1439931	907404.5	805341.2
9.445217	6	3	3	1292519	5748929	3142399	4388765	3154195	5222873	1519347	8078298	4416160
9.960817	10	5	5	3891738	5351646	1443119	7127637	5426543	5869321	7366646	5583237	4222443
9.94455	10	5	5	13358791	23581326	5039306	28686949	15421902	30070235	26611871	24029912	19047952
9.4925	12	4	5	1103165	5605323	1475060	6772382	3436038	5868113	3814817	4390242	6668222
9.67	10	5	5	6223129	31731907	6916038	28567070	7712299	31519621	35793178	26110584	24203281
9.979667	10	5	5	891820.2	3553061	359154.7	3297682	739585.1	4083139	3591836	3583475	3090646
25.293	4	3	1	490460.4	1859886	1648726	1300981	699724.1	4676983	1271688	1534911	1488058
20.21633	4	3	1	93842.96	458393.7	291360.1	561526.9	162731	293780.6	799418.9	161880.7	743205.4
10.97857	5	3	2	862521.7	1473976	552379.9	2017530	1639374	1176073	2423661	1497579	1111645
34.47967	8	4	4	183457	755140.9	376934.7	609631.4	289754.2	439789.3	663504.4	380851.6	1058643
13.69748	3	3	0	146490	543490.1	347242.4	428788.3	111204.6	1133435	527905.2	249233.7	467529.8
9.522017	9	5	4	845443.3	1965304	414910.6	1716800	691289.3	2419906	2309114	1716475	1965103
9.992233	10	5	5	799119.2	3106068	123649.1	2951423	473724.7	2976899	3282272	3118530	3152146
10.008	10	5	5	683135.3	1159659	160420.3	1310961	455020.3	1150673	1400595	1202224	970842
43.25817	5	3	2	643353.5	7185094	4635554	8980901	3605915	4268209	11905954	3083374	4109348
9.659033	10	5	5	2002022	10524715	2757126	9164217	3494401	10127267	12522385	7691294	8185837
9.9847	6	4	2	745565.3	1288575	598289	1607324	850660.3	1558774	1681573	1662498	1283200
18.6895	3	0	3	113209.3	207565.1	71332.35	164483.7	120322.7	140689	226083.2	225358.1	136957.8



10.9645	10	5	5	2524052	11637836	2864573	10426660	2754753	14143979	14633170	8960674	8434763
9.842	9	5	4	3184329	6282412	2223226	5307641	2299938	8282650	8755298	4556362	3704224
9.848417	10	5	5	833793.9	4227633	922101.2	3712592	1402157	4787973	4570735	4172339	2661927
9.00395	7	4	3	443385.1	1339313	484797.9	1144381	416469.9	1424895	2136288	1006448	1198151
10.16938	10	5	5	833229.6	2648762	416724.5	2415881	634379.8	2830007	3241282	2561577	2121883
9.840617	9	5	4	1269108	2447491	998485.3	3167810	2096335	3687056	3179311	2409521	1330251
9.9677	10	5	5	1742524	6770397	1122315	6222022	1402664	7577490	8123969	6725289	5315768
9.872933	10	5	5	2380957	16436959	2151800	15582672	1793217	16071961	12881591	17340662	18381347
9.857683	5	3	2	14794243	15610770	17041753	23738728	20491452	2573632	19811766	43695952	6108398
9.830833	8	5	3	852944.7	2518749	413509.9	2842514	954982.3	2851137	2906162	2687568	2068562
11.16645	12	5	5	425976.3	1135945	378917.7	960751.9	432453.1	1811803	927749	959163.7	972796.4
40.66867	7	4	3	645019	6490100	2331281	5304627	3102527	7538392	8389136	3380919	4653458
9.960467	4	3	1	2135469	2260814	1958281	3329205	2886642	1188140	990865	5391962	757254.3
10.01545	3	3	0	134277.9	239623.4	162160.6	170553.1	158744.6	182252.6	0	279595.6	438296.6
10.95055	10	5	5	799498.6	1707771	559464.4	2088568	1097074	2368246	2265897	1285967	1376123
9.912633	10	5	5	2452374	12700722	1809500	11150068	4628814	10415977	11709369	12311389	14421562
9.858833	8	4	4	7640815	6853810	4603701	12353239	16845314	5804989	14767672	5013040	5928639
9.522017	8	4	3	5147588	4588927	7600842	10491086	17405594	779564.9	18137017	539624.4	1271133
18.45383	7	3	4	191585.5	898605.6	249021.4	750498.7	412706.8	1175523	580139.7	1118887	861424.3
9.845483	7	3	4	869546.7	2506697	1002307	2131337	709154.2	3120577	901384.4	2233111	3447117
13.18658	5	3	2	57446.59	99204.97	40992.12	130869.8	93350.15	93924.07	74248.38	61904.06	98343.1
10.93468	4	3	1	171253.3	455396.3	110258.7	552367.5	290670.3	342427.6	453720.6	350545	545391.9
9.729367	11	5	3	2584974	13075892	3697578	18266325	16030355	16772859	15920085	13377303	11826026
23.46817	7	5	2	100683.9	256688.6	64986.64	294370.4	104302	160907.6	316480.4	303166.9	282498.3
9.992233	9	5	4	543696	1259443	357255.7	1500668	695107.4	1587703	942501	1498173	1461578
41.15783	12	4	5	335706	5904609	1834759	7478570	4708850	4009759	6016089	4502465	8685372
34.4995	10	5	5	5224856	15361694	5791768	25079631	30193964	24585826	13570624	9263190	16669697
9.960467	10	5	5	9579438	36360151	8065307	32054150	11564741	41516108	45634186	31283707	25434761
9.544833	7	4	3	467237.9	1298017	339099.3	1165824	271301.7	1776484	1374603	1108121	1362851
9.379233	14	5	4	1509930	4008167	3560862	5772314	4568695	2343840	10300123	1903214	2135487
9.11405	3	3	0	317555.3	596811.7	611243.9	807520.6	303148.5	0	588200.3	0	1370193
9.992233	10	5	5	2273955	2739760	766966.9	3778269	3206376	3272004	2930858	3576055	2202352
10.31835	6	4	2	243313.3	720972.1	206583.5	595049.7	354298.5	742075.7	993377.3	794069.8	646097.8
10.33625	8	5	3	255914.6	1209947	287220.3	1052907	426186.5	1071570	1238337	1674931	1156554
9.275617	6	2	4	567227.3	2042146	431003.5	1609464	1314659	2396536	1551190	2504318	2113664

10.95602	10	5	5	248529.4	861658.4	302736.7	737291.3	275951	1064495	1159753	669762.6	431441.9
10.9645	10	4	5	201559.7	714844.1	254060.6	893247.5	519081.6	1138722	712547.7	685676.3	500415.8
9.94455	10	5	5	5177935	21103826	3742245	19637833	3041820	25890637	24170046	19637171	17149604
9.840617	5	3	2	663939.5	517697.1	714395.3	890029.3	990956.8	206357.1	293423.7	68440.84	233151.8
9.559117	20	5	5	16438147	1.09E+08	67759930	82947506	50675541	1.79E+08	2435407	1.54E+08	1.02E+08
9.3919	10	4	4	1783358	7166672	1809864	8835905	5039393	6058207	8754439	7868818	4555823
9.983433	10	5	5	4.7E+08	2.45E+09	4.44E+08	2.71E+09	7.47E+08	2.84E+09	2.88E+09	2.54E+09	2.11E+09
9.445217	5	3	2	439282.7	1752821	167043.8	1407776	1078286	1838386	1918435	1656728	1508536
9.976317	3	3	0	525585.8	639823	413337	837182.8	501382.4	685866.5	0	759593.4	1146280
10.95055	10	5	5	817935.9	4799747	1326326	4318938	845284.3	6398689	5436362	3248989	3610193
9.992233	9	5	4	1152642	3984674	994701.9	3501813	1239306	3726858	4467787	3147996	3113307
26.56867	5	3	2	166728.6	607195.7	430347.9	466330.6	132568.5	1320408	556539.9	377560.5	594594.3
9.8322	6	3	3	3274581	8231593	1666605	10237637	6172934	7451182	6437887	9513961	10427481
9.684583	11	5	4	2096877	12963892	3928600	10597736	6648790	16956002	16107270	13784832	10325741
9.388617	8	5	3	760533.3	1282238	566166.8	1650328	1055135	1673487	811745.3	747518.2	1123740
28.46167	7	3	4	342346.3	2646228	1446182	2074399	1207384	1466096	3157356	896624.1	3253098
9.840617	10	5	5	2752056	5273364	2043062	4400136	2033000	6784827	7649774	3714802	2762863
9.05635	9	4	4	380472.7	2034551	662566.7	1786677	473347.6	1860615	3096840	1767183	2132087
9.473733	12	4	5	994211.9	1865546	1038918	1506177	533724.6	3066322	266166.4	1877911	1710253
14.09268	5	2	3	36208.54	273535.8	69446.98	239064.3	89742.32	228653.7	358720.8	181642.5	310410.1
10.9645	9	5	4	173632.4	804972.1	240452.1	669764	372089.3	832209.7	1013119	479588.7	653404.1
9.970617	9	5	4	4032969	2063813	729424.5	3357557	4038372	2587328	2420113	2407984	2107447
9.8322	7	3	4	671368.2	1347899	305580	1606415	775126.5	1321748	1726909	1348106	1460204
9.9677	10	5	5	2533865	3299651	841414.4	3972954	2005104	4232184	3256825	4044681	2668294
33.557	6	3	3	122407.2	631856.2	201740.7	545702.8	200749.6	795368.1	305278.6	676769.7	791954.4
26.72267	9	4	4	485439.6	2887496	1386454	3545961	1671989	3486426	1630598	5021174	2383159
9.856867	10	5	5	5258310	28553020	7247752	24026260	12873193	26454491	25241006	21676255	28698031
9.739017	8	5	3	399677	983961.3	344065.2	830877.9	370559.3	1124940	1495175	872082.9	843848.4
9.992233	9	5	4	792701.9	1005157	629358.8	1346489	927656.4	1264566	1942002	903109.2	334885.9
9.960467	9	5	4	1059602	4076074	534638.6	3674476	1186201	4460613	4048041	3602025	3517160
38.6545	10	2	4	384048.5	5332901	2004342	4632269	1098696	3319244	5010929	8705190	4788087
8.93965	7	4	3	213470.8	485751.6	256094.2	389065.7	189404.7	658166	836786.3	308899.7	217470.2
9.507167	6	3	3	1404022	679059.8	373925.3	1383240	2204257	1000919	1154493	339813.5	380540.6
20.64883	6	3	3	80022.04	344165.2	263510.6	449770.5	228862.3	115318.5	160165.2	703234.6	196200
44.13533	6	2	3	277434.1	3602613	514298.7	4000539	1182281	3621474	3717759	3805544	2746229

9.848417	6	3	3	1212731	1424295	625956.2	1911381	1448533	1172568	2400304	1672202	1031177
9.9014	6	2	3	472644.5	1601138	524206	1344769	665037.3	946206.9	1603579	1624481	2401391
23.8935	7	3	4	4728624	1.75E+08	70218449	2.02E+08	55883526	67134678	2.33E+08	1.69E+08	2.42E+08
9.431017	7	3	3	684168.5	1703543	974517.4	2172603	1205998	2832293	1791180	625129	2454459
9.221317	5	3	2	609123.9	981967.8	519070.5	1602812	1918223	1469467	309344.5	1379453	1197592
40.32533	5	2	3	347451.3	5802995	2963860	6750759	562916	757651.4	6388152	6530924	6708600
20.26667	9	5	4	435261.3	1507751	373884.4	1329254	456669.4	1802703	2005559	1143969	1293973
9.348233	4	3	1	939012.8	1216902	1019008	863045.2	545659.6	1134929	2933642	818393.3	970667.3
9.960817	12	5	5	58050580	1.38E+08	45688814	1.19E+08	43207993	2.09E+08	1.51E+08	91729710	1.09E+08
37.92133	5	2	3	162863.4	632937.3	467366.1	455345.9	354287.7	102969.5	921448.2	143048.8	1031747
10.9645	10	5	5	3345410	15368217	3721317	13814518	3556886	18759233	19363286	12042491	11260836
9.66805	10	5	5	1409399	2891063	859166	3793912	2769649	2665765	4087026	2156225	2100920
20.40383	4	3	1	1144914	12505187	2180017	10881802	4802335	14970422	10586189	9854597	13628697
9.994767	9	5	4	586583.4	863550.8	215610.8	976860.1	305244.6	1116317	821664.6	1056387	690219.5
9.94455	9	5	4	3041089	8119795	1528620	6907067	3622380	10480792	8079554	6368854	7313999
9.992233	10	5	5	807644.4	2664084	358392.6	2407261	755389.1	3041062	2861977	2834423	2177854
31.81033	5	2	3	401335.8	2020434	1621366	1370506	1416875	708112.2	2283351	329650.2	4417885
9.992233	6	3	3	742980.9	647496.4	267730.8	956681.4	954912.9	689498.6	481247.3	839493.4	943892.5
10.98605	9	4	5	254502.5	867385.1	186110.4	1047049	548263.8	608583.1	783664.2	954254.6	884905.3
9.853633	8	4	4	597412.9	3086288	429533.3	2668386	1276206	3272561	3023690	2453373	3631713
9.842	9	5	4	1401268	7977836	2006939	6593619	4045648	7456160	8574137	5866460	6880626
9.976317	7	4	3	597413.5	1037153	600247.4	1295236	610745.8	1371589	1801823	1109175	287790.1
10.95835	7	4	3	2351610	2991536	5054720	5177896	5203969	12028201	464693.1	779812.9	956481.1
15.45367	5	2	3	116551.5	592616.3	350797.8	442545.9	353459.6	937468.9	765057.5	819846.8	306334
9.416767	10	4	5	1586356	8230963	2231896	7039424	3238079	6043028	6278461	8070023	11393900
15.63648	7	4	3	129765.9	977273.9	276759.4	866996.4	239105	1220094	1163733	556045.7	840604.4
10.79018	3	3	0	138754.6	458611.6	189108.7	390818.3	118394.6	393843.2	759669.4	454743.7	239462
21.6835	4	3	1	777504.6	3754247	4528070	5424703	3151915	8866149	584442.5	8558316	385074.7
9.398583	11	4	5	3251431	17837724	13168784	26669211	25707161	32759479	2699549	5721262	27085216
9.960467	6	4	2	605361.1	1213474	453332.2	1006861	514865.1	1129920	903056.9	1501228	1827946
11.5397	10	5	5	150742.2	521593.2	135924.6	421735.5	295794.6	712335.6	489789.5	413972.7	387285.9
9.992233	9	5	4	732989.7	2483355	384443.7	2092270	1201045	2849428	2610817	2472686	1839281
33.12383	5	2	3	91846.75	214181.1	171744.1	293621.1	200210.3	518334.8	110496.6	161395.6	117617.4
26.42133	9	5	4	2916224	13343137	4841694	17437648	12365678	21503169	11316274	8708658	13079727
15.01477	10	5	5	505875.1	710981.3	761704.3	1352964	1938542	1828666	291802.7	1177286	131028.6

9.3332	5	2	3	94774368	5.88E+08	4.51E+08	4.25E+08	2.89E+08	9.81E+08	7.27E+08	17994287	2.09E+08
12.68958	8	5	3	624473.1	2579405	1089077	3766731	3666712	1076207	2313888	3388445	2253259
10.30302	8	5	3	252473.8	598670.3	98536.91	696511.1	300222.9	628022.3	562825.5	622936.6	455722.2
9.507167	13	5	5	3569418	10295193	2156678	16510542	19681354	10489264	7667937	13631419	10095424
9.848417	4	3	1	842105.8	2780483	277301.4	2337098	1391751	2884422	2648817	3077801	2367563
10.95835	10	5	5	1016576	3814231	649880.8	3499370	819002.2	3610509	4858552	3086956	3652877
10.9645	10	5	5	465451.9	2117153	488021.8	1902285	522568.7	2637129	2600573	1709176	1590441
9.8445	10	5	5	1637762	4942086	1602220	5640042	1682118	2890880	4473611	5346349	7311396
28.41833	8	4	4	396041.8	4416028	2097379	3553938	1958401	2741092	5178564	1785662	5475125
28.528	10	5	5	6254443	80541358	36658820	65379326	34700597	53618245	95586587	33404395	94866653
14.86972	7	5	2	389374.8	5767853	1567567	4622155	3398505	6935651	4094207	4611762	7812631
26.12683	10	5	5	487034.4	2199544	907816.4	1872484	586700.3	1249908	2179909	1765677	2119547
23.41033	4	4	0	44527.74	146582.8	55725.88	165443.9	26448.19	193694.8	95024.61	150121.2	85674.03
9.983433	10	5	5	790222	2115917	634925.7	1812504	784223.3	2665755	2767874	2229117	1396234
25.454	10	5	5	94079.48	478738.5	158010.3	418818.5	121094.2	245292.1	533104.2	503083	433935
9.158833	3	3	0	1096046	1870955	889675.7	3247117	4321913	1724316	1014261	2985182	2578075
10.95602	7	4	3	598638.9	890313	511564.7	1259017	1092173	670714.7	910617.3	332120.4	1716094
9.541433	10	3	5	18544062	39321565	35537298	54564880	36328980	1815265	4051821	50602037	83904435
37.30217	5	2	3	369424.7	5684272	1320186	5105386	1408593	3485427	6345726	5421880	6657191
10.9645	10	5	5	2435040	11418966	2611946	10380336	2271644	13684433	14328669	9181744	8471918
22.61083	10	5	5	221475.6	992188.4	358815.4	865051.8	218536.9	503390.4	1515933	958564.4	1009285
10.9645	10	5	5	2506150	11554627	2857217	10361952	2769573	14117711	14574265	8876834	8432244
9.880683	10	5	5	6906003	19622711	2570817	23765324	13041437	20770077	16005659	20976499	22369441
11.52297	10	5	5	820644.1	4713172	891677.2	4214832	1388289	5920337	4550816	3617641	4240904
9.190317	5	4	1	1368735	2468231	812818.3	3416243	2948882	2218435	1247584	2631047	3445205
9.976317	11	4	5	445959.3	1513550	373848.7	1972243	1430672	1478152	1584428	942356.7	1985145
8.961583	6	3	3	159977.3	563678.2	297539.6	407709.7	423913.8	491323.6	962782.4	689071.9	526894.5
41.93483	5	2	3	340219.2	5545657	660277.3	5064828	1429516	5506344	4888575	5164372	5543902
9.903567	5	3	2	1250654	2540031	1392992	1934036	1467179	3343437	735071.6	1830821	2422778
9.106183	10	5	5	2092088	7551630	1652512	6901881	1402047	7777370	10303083	6252187	7033507
10.00385	8	4	4	918759.4	1606400	1895563	996492.6	538433	4935128	401565	454762.2	1264634
9.976317	6	4	2	1564900	2692596	1271875	3346809	1764157	3033102	2902642	2002979	1055472
9.992233	10	5	5	518820.1	1339937	453820	1600905	734760.2	1221483	1960208	1640425	1019098
10.95055	10	5	5	632549.4	3558339	958146.1	3162404	910965.4	4801969	3480695	2690254	2596496
9.40325	10	5	5	8460175	30545075	11071835	25385432	13173200	36550591	15795748	22459253	35104082

9.845483	9	5	4	1448991	2721611	308507.8	3443222	2288903	3008135	3023698	2560031	2295881
9.362817	6	3	3	334487.4	1842255	1052070	1376147	1146616	3405267	644107.3	1522565	2291694
35.44233	7	4	3	534088	8931918	1494120	8254810	1695516	9440173	6305098	9542645	9324384
10.9645	10	5	5	289490	1002274	255064.3	1184559	540621.9	935325.6	1442038	977540.8	852362.8
31.3945	7	4	3	89261.29	352839	193711.9	287115.9	95385.41	695496.4	227843.5	307249.3	276192.1
9.994767	9	5	4	700724.1	969343.5	348197.2	1220212	745568.5	1254968	1379071	959735	614376.6
10.95602	9	5	4	769157.7	2002870	548710.6	2347685	996511	2473261	2682102	1844272	1454950
9.445217	6	3	3	987789.1	4612627	3838249	3198984	2715145	1163621	3174230	8450533	8989890
9.928667	9	5	4	3009866	3844658	493637.5	4248068	1221100	4675564	3840974	3681994	3648418
10.9645	10	5	5	322255.3	1156889	571768.9	960534.5	302984.1	1944328	1446481	712502.7	519508.7
17.38633	7	3	4	256426.9	2119651	552210.7	2352110	546969.2	1288496	2753592	2195158	2419187
9.8322	5	3	2	1837506	1808416	1692430	1273275	300314.2	1231526	4827808	1106937	931064.7
9.94455	10	5	5	1070596	3878353	658137.7	3567473	802393.7	4648890	4448757	3637252	3054079
9.379233	10	5	5	2082514	7778362	976662.8	6882341	2747119	9098061	6541534	7502394	7400921
9.960467	10	5	5	3783690	6432210	1329342	7970957	4796620	7882627	6013087	7397520	6399356
10.9645	10	5	5	1290457	5954396	1216974	5449007	1173516	7069534	7228378	4955767	4519708
23.1765	6	3	2	49262.23	158057.1	37281.36	138816.3	52110.94	124858.5	182377.9	125524.6	147535.7
10.94443	10	5	5	387301.3	1934868	498584.4	1722634	505700.1	2329265	2219898	1479146	1310742
9.960467	10	5	5	3750374	6591052	1025167	8096471	4741978	7846022	6588945	7330968	5813584
8.874167	8	4	4	195792.3	629190.1	267131.3	844071.8	650131.5	721041.7	833893	762507	664183
9.864767	10	5	5	16348627	84825063	8509465	91590325	20438906	80455541	77962672	86423503	98982622
10.95055	10	5	5	973755.4	5779736	1353444	5257241	1102599	7353715	6813300	4376051	4440713
10.95055	10	5	5	961644.3	3393568	949712.4	4089272	2077535	3835887	4842995	3029013	2551649
9.976317	7	4	3	408641.2	877706.6	117897.3	768695.8	335080.2	897930.2	774804.4	1067675	861192.4
10.211	5	2	3	554664	1215008	319491.3	978986.1	706279.4	656697.5	1427698	1401993	1250707
12.33035	6	5	1	56013.46	228943.5	78764.11	266133.7	96256.86	100453.7	294205	219653.6	239408.3
9.983467	10	5	5	678987.9	2225023	783652.9	1932447	582780.4	2725986	3250307	1514901	1418857
9.928667	11	5	5	8231373	34649361	9689225	38812169	10032548	23951559	42518140	42772262	39721541
9.864767	10	5	5	1718150	11472654	505250.4	12039750	1768466	11617440	10646187	11986268	11416727
9.856867	7	4	3	1252149	1826867	761189.3	2478466	1989240	2126989	1332363	2862747	1933340
9.0511	10	5	4	2300958	3955076	2642809	6768854	8752897	4226433	7527790	5233230	1810843
10.91673	10	5	5	258767.9	1055153	414217.6	900846.1	307084.7	1429327	1227851	796587.8	459304.5
9.659033	10	5	5	673952.8	2461075	540464	2272256	317211.8	2534239	3340163	2185586	1916103
9.37735	9	3	5	660474.6	5381347	2423220	4493835	1703916	1367958	5524539	6949959	7593033
9.8322	9	5	4	1596355	5170992	653663.1	5907824	2301041	4796635	4327157	5929227	5697788

9.26025	8	4	4	999028.4	1904724	1031779	2816733	2796897	2997422	1312189	3017633	1392825
9.406667	6	2	3	2019734	4131393	1570778	6337946	6960875	6080342	4484700	4488762	3869672
9.93625	11	5	5	1824801	7700131	1608096	7021906	1611625	7860596	6400437	9264524	9232717
9.976317	10	5	5	1056277	2549872	840298.6	2981523	1172214	2794473	3794539	2580970	1618433
9.507167	7	4	3	1813173	6981079	6006276	9572906	6294747	17299613	6112684	4802885	5061211
9.43325	4	3	1	632896.8	2201026	1096619	2576318	584762.5	3434079	1648218	3278329	948616
9.864767	7	4	3	950429.9	3161714	794636	2434157	2240710	2702548	2664836	3350464	2613139
9.976317	10	5	5	887229.4	1526231	497556.8	1900337	1126091	1944567	1958869	1749808	1008382
9.328967	5	2	3	417422.7	3287293	1226720	2717815	1464657	4330979	2999129	3194518	4475595
10.008	8	5	3	547851.5	749136.5	229165.4	913695.7	491844.6	782609.8	1107671	749635.3	593923.6
10.03947	7	3	4	453358.8	539974.3	288470.8	735874.6	579835.2	400403.3	788597.8	646841.6	761283.8
11.95212	6	4	2	72576.38	409104.3	196206.2	488930.6	182888.6	67844.8	508771.1	416824.3	516342.3
11.86875	10	5	5	615647.1	4903873	621508.7	4295820	1884908	4564361	4865832	4244576	5899883
9.8322	9	5	4	802305.7	2764260	821626.9	2415431	836505.8	2904368	3311462	1762994	2105945
43.93383	7	2	4	864081.8	9054558	5779108	6977164	3834417	2969917	12512630	13597504	2522474
10.95835	10	5	5	397685	1795600	403703.4	1626851	398526.6	1915975	2375829	1617724	1276858
10.9645	7	4	3	607660.4	1967094	313590.1	2139231	481273.4	1869796	2370787	1734441	2216645
37.80567	7	1	4	313179.4	4043777	189307.2	5921376	6030246	3846085	3919406	4051616	4341190
9.983433	5	2	3	778870.2	1358438	386559.8	1090123	798051.8	1898457	1133817	1626656	1148464
10.9645	6	4	2	196590.8	715145.7	126974.1	628709.5	256157.5	692367.8	885325.8	618937.4	578997.6
18.09233	6	3	3	189026.7	889622.3	160643.8	719255.9	531490.1	1035118	903297.2	813319.9	657644
10.9645	10	5	5	245907.3	1001176	258329.5	895207	245526	1190834	1325295	761236.6	740062.1
9.842	10	5	5	1423338	5731028	957516.9	5185488	1546258	6017830	5147413	6914469	6139449
10.008	9	5	4	319707.8	939510.5	276979.7	784873.4	435374.2	1004404	1142414	1025347	453183.1
32.04183	9	5	4	2699658	18564404	11725470	14313237	8045396	9837580	19161619	3927365	29826256
9.872883	7	4	3	3265701	16569494	6914112	14117349	4378213	15132702	9477180	12558151	27537174
32.04183	9	5	4	1428423	7219955	5126855	5390779	3323056	3945669	6486291	891108.4	12835762
10.9645	10	5	5	594872.6	1382311	271944.2	1671212	901966.3	1545401	1666499	1517359	1109385
9.522017	11	5	5	2172030	15714991	8689636	12097379	8526694	20069408	11475930	8052575	10056743
8.9256	9	4	5	568963.9	2173962	872975.4	1762061	1073737	2941634	3104886	2090881	1740744
10.08658	8	3	5	308063.7	829024	178232.4	747564	208090.4	573216.3	965992.4	876001.4	1002941
10.02372	7	3	4	462854.4	736534.6	254258.2	904244.8	494594.2	814625.3	1096348	717954.4	658711.4
9.94455	7	4	3	2348093	1928088	572744.8	2684525	2389312	2782000	2098009	1927856	1539224
33.45533	3	3	0	266908.1	4586158	1346957	4158956	338116.7	4406227	4329977	3303868	6866352
28.274	10	5	5	448518.6	1437684	493499.1	1781260	1024300	946917.6	1809869	1170763	1156496

9.328967	11	5	5	917296.8	1487728	490591.1	1824031	1000006	2330924	1453698	1343039	1088844
9.992233	9	5	4	874247.6	1076646	185002.6	1513708	1399393	1141259	1023437	1131737	1293051
41.4745	13	4	2	316019.4	4460450	3478146	3328695	1311928	10236499	3948494	3868863	801505.2
10.02372	5	2	3	485262.8	477028.7	268267.3	638423.6	466119.4	572434.3	0	643543.5	597769.6
9.856867	10	5	5	2816820	12761153	2176661	11819869	2307649	15571402	14649145	11423318	10917507
9.9677	7	3	3	1749270	3201134	3570865	1943849	2211891	8730609	454109.2	1115621	816632.1
9.903567	9	5	4	1056507	2218062	851691.8	1807391	1087625	2874695	2830492	1367149	1207799
10.94962	8	4	4	1343699	2292032	3342831	1205510	1267148	8254380	616071.7	606477.4	750382.4
10.8507	10	5	5	314562.3	801138.7	132874.3	980252.6	567597.1	600550.7	792993.9	768887.5	932667.6
9.853633	5	3	1	690720.8	1924220	573852.6	2294628	1090568	2276690	1928333	1415667	2679469
10.98605	5	2	3	707285.3	1647155	289419.1	1842578	580851.9	2036875	1655113	1421081	1319201
9.338567	10	5	5	8210769	20959955	9204182	17364734	7893301	19324714	13487962	13754367	22210263
36.81383	9	5	4	220492.5	1414306	406509.1	1264305	298639.6	1407670	1102011	942064.6	1927018
10.008	9	5	4	648232.3	2263278	467704.9	1966612	870349	2358857	2912444	2215473	1599141
9.840617	9	4	5	885183	4125918	1063063	3772178	495291.2	3255598	3025394	3922074	5483090
9.041133	8	4	4	418802.8	2876762	2050130	2142393	1367239	3859136	6012635	1992009	1297699
10.008	8	4	4	1293186	1395906	752765.4	1913213	1544166	1102169	2049212	961463.9	2317083
26.08067	10	5	5	2259565	27286822	12310147	22232780	11829491	18946754	36380751	11394706	28269602
9.842	5	3	2	1041500	1612925	660689.1	2162041	1685602	1935568	953815.7	2460567	1780639
44.56483	8	3	4	498104.6	9391707	2236544	8615308	1316430	9123582	6085340	11256404	8820812
43.3585	6	3	3	351073.6	3550770	1457937	4027538	592826.9	3542972	1239284	3447496	4434757
31.59483	10	5	5	608120.9	3421971	899583	2961020	1262128	2919220	3326735	2291255	3968168
10.9645	10	5	5	705229.3	3233589	751627.8	2930312	696047.1	3876137	4049120	2599756	2352220
24.00117	6	2	3	98740.59	540123.9	295074.8	418922.7	283937.4	369366.7	902199.9	149160.3	727232.9
18.64583	10	5	5	5924318	39142448	7486679	42086084	6535832	51544426	39517921	36950864	31679486
12.25225	6	3	3	51691.68	174754.9	59618.54	153832.7	36865.18	202493.5	180311.6	179732.3	76057.17
9.234417	4	3	1	1345702	4270138	3070203	5905942	4557983	2291579	8175473	3255793	6737368
9.972483	7	3	4	2623433	2901789	4179535	1523879	1832662	1023158	1480469	723578.2	10361829
9.983433	10	5	5	2632078	8310819	2233081	7165882	3141865	10374990	10681766	8261039	5645742
10.008	9	5	4	1515785	3342160	1576823	2679597	1593179	2780244	4965313	2062037	1818748
28.24317	7	3	4	119259.3	401746.7	289162.6	527255	310881.2	764199.2	335846.5	83272.1	633024.7
9.842	9	5	4	2410573	6663043	1092197	8499473	5873005	5701774	5873385	6122163	7418284
10.25713	8	5	3	277901.1	1502333	252531.5	1295612	634636.4	1105486	1442435	1780597	1609667
10.9645	10	5	5	902008.8	4097376	992593.7	3675613	1025752	4987511	5128434	3182996	2984617
9.903567	9	5	4	1365508	3007735	978315.1	2615817	895413.8	4149410	2833998	1734030	2518076

31.51067	9	5	4	4702408	35605923	35363139	23720542	17820023	8101142	27277122	1859914	87958059
9.329083	6	3	3	4818561	21192876	18521482	14203210	14644376	6256171	9877906	6977486	41725043
9.859983	10	5	5	7384622	30047253	2179397	34323093	13726681	31048371	28733355	29691668	33202848
9.960467	10	5	5	9540260	36059045	7852508	31953926	11378154	41350038	45336430	30731107	25893408
31.1615	5	3	2	134329.6	500146.9	139512.6	597779.9	293299.5	606043.4	415274.1	493450	665161
9.840617	10	5	5	1213948	2584337	984417.1	3326269	2255530	3844693	3270649	2518712	1790984
9.277967	5	3	2	1327849	5142849	2208277	6974617	5641196	6771390	5112255	1710096	7361371
19.444	10	5	5	3535276	66632389	32501459	55973743	13915522	94635991	70875754	1.01E+08	33430776
9.523633	13	5	5	7974406	17350910	15126689	23436838	14031335	23964773	34068022	1462531	1141114
9.983433	10	5	5	1004372	3045762	900423.8	2583006	1275699	3850163	4063752	2901523	1950964
9.445217	10	3	4	2001002	15357476	10998838	19462114	8469325	26204371	1863133	23309309	5396198
20.64883	5	2	3	212791.8	1035199	495697.2	834871.7	464579.7	283042	1499824	915198.7	1011145
9.932033	10	5	5	3855907	14724129	3223021	13095147	4459077	18462516	15079453	11010411	11927815
8.995417	7	4	3	302730	444363.3	275204.5	812074.4	1171145	503057.8	863410.1	382377.6	366170.3
9.68775	10	5	4	316256.8	1586310	359287.4	1355624	682766.8	1919918	1338343	1997581	1178225
9.842	10	5	5	1131335	5242202	1010928	4750654	1320432	5630269	6180345	3938573	4407051
14.63397	6	3	3	65266.31	361917.4	59868.15	307383.1	169835.4	325715.1	460063	374062.5	340708.9
9.431017	11	5	4	1412513	6712764	2278161	5742845	2376355	6288045	7303073	5501914	4217217
9.4468	10	3	4	4290241	15435342	13656281	10715858	8048754	31951393	9374529	1307502	27998310
9.960467	4	3	1	597720.6	840272.7	427954.6	634939.5	547847	1398155	927847.2	1038603	514177.1
9.976317	6	3	3	745481.9	1469261	328447.5	1728056	793622.6	1171038	1249294	1367954	1564491
9.983433	9	5	4	474268.9	1157773	216026.9	971971	575601.2	1296822	805138.2	1174538	1364198
43.9915	8	3	4	287715	4159379	1280205	3725283	689180.9	5491485	3844196	2244209	5161021
10.94208	6	3	3	180477.8	564928.8	114484.9	471227	288805	541027.3	587069.1	556274.1	410079.7
9.3919	6	3	3	294957.9	1461710	601426.1	1241251	440776.2	2393122	1442534	1204761	747909.3
9.845483	9	5	4	655074.1	2381339	632524	2068289	849633.5	2528453	2614102	2445057	1316310
9.960467	6	3	3	796425.6	1147300	520007.1	889913.8	698878.6	1586934	1794512	942065.3	845641.7
9.979667	9	5	4	647704.8	1274900	415556.7	1455954	453153.5	1475747	1727742	1205570	615433.2
9.928667	6	4	2	2188053	4997940	907028.5	4198117	2487284	6253403	4479277	5664862	4384407
29.86267	4	1	3	264690.1	1498948	597878.3	1177004	907337.6	1761069	1871760	1768102	438214.6
9.388367	5	2	3	1874172	3502160	2932126	2465796	1905764	3763118	1665411	3164637	8266927
9.262217	7	4	3	6963816	21047077	18534559	31520849	30025809	10754510	54102078	13103240	14788776
9.848417	10	5	5	2082236	7829202	1181220	6950397	2678062	7856277	8953948	5921874	7764214
9.932033	9	5	4	1635619	4988915	1578659	4300890	1724931	6955129	6359141	4278567	3306844
10.8937	6	3	3	129999.7	484997.7	112158.3	424974	168841.3	397834.6	551293.7	554108	333625.5



10.95602	9	5	4	219913.3	986819.8	100435.6	863367.4	392828.5	983264.9	985747.4	884330	930618.8
9.419733	14	5	5	4218483	31380055	18409524	24556237	14007655	47051266	40423417	40921379	27490366
36.81383	10	5	5	2083699	16201784	4891795	14320964	4109484	17295932	13444481	9709148	22678218
9.912633	3	3	0	1153368	1483844	758729.6	1171753	742601.5	2003893	159966.3	1582185	1939184
10.7338	4	1	3	50246.24	174151.4	26461.83	202202	88609.38	217869.7	159288.9	167029.9	177101.5
10.97242	8	3	5	188177.9	506365.2	163991.6	574441.3	163590	502004.4	651515.7	395101	299678.3
9.445217	5	2	3	1625957	4675724	2610871	7142223	7728840	7299422	981048.9	3179240	6733012
9.56645	6	4	2	974672.2	915603.9	282130.5	1320327	1296784	1172069	1152136	522403.8	729539.1
9.5876	6	3	2	467671.2	1375395	838953.1	1080316	537981.8	2233661	741245.8	632307.3	931404
38.84167	6	3	2	263389.3	2409291	508899.7	2591838	350461.9	2505930	2556184	2501821	1555707
9.55155	9	5	4	399420	914472.8	255726.3	767102.5	425892.3	867288.1	1310578	601069.4	854255.8
9.976317	5	3	2	455918	946027.7	255450.7	847401.9	217335.4	1123067	1308621	779777.7	780036.3
10.76073	5	2	3	182505.6	385763.6	116522.2	329065.8	153159.9	266127.2	575392.3	386257.5	322651.3
10.9645	10	5	5	1144931	5490562	1154099	5085584	734957.5	6409434	6839442	4569559	4143071
26.78367	5	3	2	157987.9	1088506	316373.4	1243113	418771.7	965053.1	1317482	768232.7	874116.6
10.96	10	5	5	319886.5	1107291	298154.9	963399.8	387500.9	1384833	1477339	857090	914098.9
9.858833	10	5	5	3526786	24784479	3315562	22128018	8200902	24861200	23799111	21696423	23214073
9.840617	10	5	5	4064219	11353073	1658828	12929470	4950997	13035593	11538896	12607967	10710521
25.57883	5	4	1	311678.5	502515.4	230255.8	724999.2	699702.9	551739.9	675651.2	615072.7	99559.48
10.9645	10	5	5	706380.6	3285913	720939.6	2969566	801397.2	3691214	4026630	2413196	2616768
9.8374	6	5	1	642134.2	1786690	626407.8	2037602	582252	1805301	767099.4	2478820	1903054
35.474	6	2	3	315155.2	6030815	1773036	5439794	887586.5	8104444	5955648	6446731	3214055
10.94443	10	5	5	576510	1682275	624042.1	2117997	1318834	2515326	2157662	1378938	1037214
9.419733	7	4	2	445411.4	1851807	1046105	2215231	642940.6	1293987	2623659	1516692	3206718
10.92208	10	5	5	382860.4	1303273	486880.4	1109534	446193.1	1857930	950019.7	840402.9	1068391
9.8322	5	3	2	461161.4	903281.1	510256.1	703681.2	449923.8	1209992	1523975	639550	202440.2
11.5666	3	0	3	81207.73	181809.6	49654.18	207103.4	70037.36	151254.9	155764.2	240921.9	131805.2
10.68888	3	0	3	87976.23	89632.5	71231.84	114822	47022.24	18339.1	164097.7	93386.41	16779.39
37.08683	10	5	5	885943.8	7453268	2344703	6597435	1722288	6602031	6094562	4793555	10382565
22.02283	7	2	5	324648.8	2737540	592123.4	2519910	444229.8	2145968	3313186	2423706	3435454
24.6235	7	3	4	180505.3	543270.2	571406.5	330670.4	444533.6	122418.1	131753.8	1175112	123807.8
9.346	6	3	2	324442.9	1202048	580703.2	949749.6	635923	1356272	744279.3	2149323	954364.2
9.983433	10	5	5	653132.8	2322319	541074.2	2034989	810698.1	2911997	2411055	2550752	1449322
22.049	3	0	3	72578.9	194238.9	123665.9	152750.6	64848.44	91009.46	394400.4	192163.5	201348.9
9.859983	8	4	4	1331114	4832790	2056332	3989741	2016797	5185866	1250553	5888523	5429378

9.311883	7	4	3	652083.9	1421866	635106.9	1960762	1679235	1416753	409019.4	1459561	2141866
9.93625	6	2	4	916693.6	2394072	1334297	1910981	960848.1	3078880	395580.8	3444553	3397546
9.43325	7	4	2	892134.4	1801801	880017.2	2488121	2119204	2728184	1194551	845788.5	2734251
9.976317	10	5	5	1599646	4758424	773405.8	5400722	1998447	5116995	5797113	4884644	4062828
9.992233	10	5	5	2141893	2598258	750064	3545211	3034440	3263116	2985722	3154706	1958975
10.08658	10	4	4	2461400	2815140	1679489	2157632	1492685	5779031	1827955	1890270	2049448
39.4315	7	4	1	283712.6	5162329	2685021	4319152	769984.2	3583671	3400094	4090348	9854108
9.514733	6	2	4	9591031	18184970	10488364	36005818	57689483	26738523	16759981	21984415	665203.5
9.5812	9	5	4	638186.5	1491796	385157	1245594	735792.1	1917733	1864539	1088226	1167554
9.278717	7	3	4	844409.6	2573303	813398.5	2278599	589810.3	3773753	2118123	2738040	1590566
13.04075	10	5	5	1430088	6481328	2047321	8958151	7934792	7985795	9078030	4598256	6308727
39.57533	5	3	1	240449.4	3671107	730116	3443023	192487	3742923	2794643	3622556	4802192
21.20317	6	2	4	546544.2	4086733	919221.6	3499722	1755548	5062586	2669381	3809331	4650311
25.39233	6	3	3	103017.1	467163.2	159449.6	411572	101273.2	555244.3	620375.4	220920.2	399578.9
10.9645	10	5	5	221980.7	1096850	215343.8	996804.7	265775.2	1211990	1211538	958476.3	790592.3
12.26695	10	5	5	3349426	27139876	4027593	25001748	6061566	31109641	29491965	22779955	22792817
9.445217	6	3	3	375613.1	1339471	487881.2	1540291	485380.7	1494475	1597638	1930677	898614.3
10.02372	11	5	5	1018741	1119973	279558.8	1336235	669076.6	935361.7	1285763	868704.9	979848.2
9.416817	6	3	3	3441438	3364146	1809960	8703669	17441029	5192338	1247123	3721889	4934276
10.98385	7	4	3	258368.1	780933.8	221479.4	660261.6	345642.7	770327.9	911557.9	462934	709168.6
9.9677	10	5	5	1185305	4559813	1053123	3919774	1894287	5002533	5880748	4073959	3071511
30.09383	10	5	5	334073.7	1725248	464740.1	1506322	587463.5	1131603	1631905	1938898	1546505
10.008	19	5	5	1096402	3608160	1324711	4119363	1146250	4043489	2667034	2373272	3273461
10.9645	10	5	5	693352.8	3198493	585733.7	2925402	728604.5	3700385	3859277	2513362	2735695
10.9645	5	2	3	258604.3	730811.3	357896.6	587358.3	337617.5	651203.6	1331803	440495.5	485178.3
9.856867	10	5	5	18930050	92809292	17904230	84661670	21421788	1.09E+08	1.02E+08	63804723	87813698
9.992233	7	4	3	309944.8	750523.9	256415.2	879245.9	357212.1	722246.1	1088984	915612.8	451878.6
10.5005	8	3	3	196820.7	483291.8	120693.9	433935	118841.7	359551.1	440188.1	501336.9	435826.4
10.22632	3	3	0	196277	469074.7	268007.1	381259.8	125455.5	237015.3	886337.7	271523.2	575867.6
9.999217	8	4	4	1066962	768325.4	174892.6	1095406	1064101	1014317	648379.7	592480.2	705791.2
9.960467	9	4	5	1262920	2830919	1291007	2298654	1292913	2564913	2335635	2190083	1957645
9.999217	9	5	4	403272.1	832748.2	292785.1	976092.6	393246.9	1091745	810793.1	1166352	572136.4
9.848417	9	5	4	3719665	15029089	4230613	12212162	8521760	15171159	14364151	10281915	13498318
9.960817	9	4	4	5907872	5278112	9144051	2426333	2451517	1296136	1238442	1112182	21634847
9.912633	10	5	5	3300272	17607814	2918488	18742935	2578722	18786033	20029973	18704847	17959009

31.45167	8	4	4	3162816	22030512	23229642	14336247	11680825	3677579	15139558	1214037	56893817
10.9645	10	5	5	6479373	30588518	6575115	28027714	5829373	37086783	37375333	24476600	23718828
9.43325	8	5	3	1456611	3924713	636059	4798844	2822709	4425220	4373147	4283851	3572477
9.7038	3	0	3	392991.5	730490.1	275291.8	904209.4	519733	680149	575576.7	1207240	673686.2
10.92828	9	5	4	187370	707430	125401.8	797418.6	275911.2	547131.1	866625.1	700139.2	634896.5
9.994767	6	4	2	1505080	1740677	1388518	2297261	1313641	1212147	3779139	2522911	456114.7
9.999217	10	5	5	724815.3	2396605	517597.5	2064114	999088.8	2352352	3006501	2559102	1581870
10.02372	10	5	5	256938.2	946197.1	172836.2	843951.6	301209.3	900428.9	1196793	881138.4	733841.5
9.365833	8	3	4	579066.1	4603179	1827951	3757018	2253487	6123563	2894139	4698565	2634897
10.008	8	4	4	693826.5	906393.3	396355.7	1133379	662636.6	1187970	1288271	1084244	579945.9
38.55383	4	0	3	318054	4626093	175838.9	5111760	1589365	4412948	4653008	4482342	4756344
10.9645	10	5	5	6649867	31072739	6381692	28633457	5420103	38072780	36771860	24914446	24477595
28.28817	10	5	5	2683336	13775259	4017455	16320330	7634096	9645468	16085860	11766050	11765144
10.008	6	2	4	247836.6	596309	262902	482140.2	291374.9	710797	838484.3	705927.4	158243.8
9.976317	6	3	3	1587582	1517996	823137.7	2308112	2508097	1014181	1364531	636989.7	2773714
10.96997	10	5	5	2945210	18649118	5092747	16832578	3567059	24545975	17742974	15743013	12243417
9.976317	10	5	5	697408.3	1781767	700195	1520272	562036.8	2386156	2519410	1819859	870499.3
9.45945	9	3	4	854168.2	6879548	2130120	5906744	2575908	8333165	9694981	6617076	4962169
10.93208	8	4	4	307377.5	733955.4	267862.8	857957.6	331256	336400.1	602311.8	804231	937173.4
9.43325	6	4	2	490809.1	2105579	1022167	2661610	1600923	1775602	1284540	2332410	3775522
21.6455	6	3	3	71817.84	291030.1	33935.56	245366.7	147816.1	259522	250437.6	313517.5	326550.3
9.338567	11	5	5	1358204	8678282	2292718	7457216	3491833	11438453	8703041	8495046	9612280
9.964417	7	3	3	3478990	2781766	558891.9	3488289	2282711	2904345	1866841	3354665	2741433
41.31633	9	1	4	264383.8	1732053	1136924	2458640	2189504	3763548	1263283	1188225	1156095
9.976317	9	5	4	817503	3276173	539442.4	2834855	1382912	3489667	3953484	2912404	2571945
11.16645	7	2	4	335092.4	730824.6	238161.1	1036224	987581.6	1033805	476473.1	558047	664773.2
41.47433	6	1	3	393083.8	6410722	515311	5832848	1857361	6320417	5985817	6574907	7212699
9.880683	9	5	4	1951076	4884035	1565131	4151356	1974733	5033898	3016658	3741545	6982575
9.43325	6	3	2	811433.1	4014541	1780594	3326521	1564632	2934712	3988380	5902659	5578534
9.91875	10	5	5	11857048	75605862	46514610	60400542	22128908	54949249	40814960	44344748	1.53E+08
9.994767	10	5	4	2180324	3665921	1179796	3112266	1495663	5037624	4794895	3263810	2461988
9.445217	13	5	5	9592098	49872918	11057542	62234566	39750541	42091233	54165761	67483203	42448815
20.26667	9	4	5	61610.56	351615.5	167426.1	404278.5	55984.35	549073.5	241931.2	486705.6	145256.7
9.859983	10	5	4	2804836	10973936	4628799	8675812	6394471	8501853	7346955	7947836	12739613
9.874317	9	4	5	1066766	1575799	769431.1	2315280	2355742	927501.7	1579576	1760609	2756436

35.6755	10	5	5	735164.4	3650816	2875024	2567548	2379214	8499403	2702292	886824.6	2652915
9.983433	10	5	5	823760.1	2749292	788637.8	2350441	1119340	3819503	3155872	2751373	1805400
31.42083	5	3	2	273405.4	2206249	611386.2	2009508	260149	2938930	2391046	1974709	2426902
27.405	9	5	4	47171.83	185106.6	33721.79	209662.5	75893.99	212974.5	184248.5	161070.5	143687.8
10.008	15	5	5	1309737	3618256	1791145	2888490	1769946	808282.1	4940955	2929555	5121920
11.26148	9	5	4	393954.3	1174580	190240.2	946596.8	736111.6	1026065	965616.5	1279936	1435103
9.061	8	4	4	1232384	3702720	1385983	3201930	1021155	4665216	5141565	3996544	3051140
9.994767	4	1	3	2024440	879135.4	321528.2	1419695	1765618	1187879	503644.5	1217866	856015.1
10.9645	8	5	3	780701.4	823875	177765.3	964352	439549.6	1125728	708852.8	774445.6	683851.4
10.95602	9	5	4	264191.3	960572.2	292136.6	861041.1	174664.7	944892.7	1430438	694351.4	740460.9
10.008	5	4	1	295726.5	485666.6	271571.9	356873.5	350842.2	591073.6	43932.49	774245.3	462915.2
43.56	7	3	3	357879.2	6347011	5126076	4744324	1608557	2058350	4587752	4517501	5323625
3.5906	3	0	3	166173.3	1830767	1682162	1231141	1191508	38308.43	4388725	2503864	918109.2
9.857683	5	2	3	1180380	2803281	1213505	3297159	1199666	4504383	1253832	2548822	2341942
10.92208	9	5	4	314261.4	1406650	458576.4	1187110	601345.9	1732654	1713825	771677.6	1063061
9.992233	10	5	5	1179193	3933132	1084265	3306165	1849259	4516895	5530069	3560775	2891419
7.44795	9	5	4	1439516	82911385	45460159	64510479	44459278	1.16E+08	1.15E+08	1.13E+08	54870126
25.37617	5	3	2	47772.91	197918.4	76286.84	170355.4	56446.94	160542.9	253461.5	302719.3	125189.1
10.96997	6	3	3	344285.4	736519.7	269437.3	634658.5	226028.8	756956.6	951014.2	470895.1	1045918
9.4925	9	4	5	3828317	14314817	6379684	20307237	19097847	13591583	5239593	11964700	20937627
10.95835	10	5	5	727235.4	4351104	879165	3973055	966582.1	4715230	5514317	3448186	3493064
11.03033	7	5	2	174697.1	854032.8	536818.3	1045950	384886.1	1476836	380116.1	871598.5	257945.7
9.960467	6	3	3	1284060	1978786	957803.1	2426653	1212265	2968478	2930431	1765462	764131.6
9.77345	5	3	2	655540.9	851632.7	555987.9	1044985	362828.4	1168773	0	895170.7	717491.5
9.842	4	3	1	733373.8	1788475	937170.4	2099395	496260	1968374	768375.7	3103873	1004520
9.856867	10	5	5	1974644	6561397	1888046	5500783	3106315	7161310	7336341	4301974	5028559
10.9645	8	4	4	4922784	13529966	2596357	16468846	9488539	16171808	16436695	12581973	11394817
41.38833	4	3	0	342073	2522019	1503400	2066592	128542.5	2333352	2388950	2222967	746099.7
9.21755	11	5	5	923074.7	4527758	1618922	5425116	2617530	2758845	6140713	6208327	4384492
9.933967	8	4	4	2657850	6046564	1148507	5282334	2333759	6138470	4990330	7966729	5633271
10.25103	9	5	4	224546.8	672422.2	178669.9	581674.9	256218.7	611682.1	834046.1	886101.9	478086.5
9.946467	10	5	5	4446031	38208151	2003823	36175032	6523706	39666655	40317003	36154053	36015827
9.352183	12	5	5	10697517	61419292	12780724	54560959	19795521	75752498	64118940	58758533	67084324
9.856867	10	5	5	3168615	16233656	3348406	14664994	4257894	17406162	16034417	11745217	15066476
9.554967	9	4	3	705024.1	3738069	2318376	4526484	1388666	4723309	6313239	1324370	5090053

10.95602	8	5	3	207519.8	1012076	368441.7	866475.3	343822	567209	1582200	871184.4	1026063
10.008	10	5	5	917440.1	1075500	430054.4	1421475	1087892	1353248	1613880	1117624	609513.4
9.8445	5	3	2	2437239	6425976	3027137	5250721	2717579	8477803	4739464	7915584	1916573
9.856867	10	5	5	12058387	30873034	8652401	27658328	6970859	38727371	41293695	25875290	21401104
9.949233	9	5	4	957330.9	2857766	748837.5	2478639	1070347	3835154	3433795	2420268	2033451
9.928667	8	5	3	2030398	1724795	673026.5	2401388	2172076	2671673	1971098	1722314	1399380
44.96917	5	3	0	303185.1	4348275	3782391	3204592	280183.4	3091499	3773671	717046.4	10768103
9.858833	10	5	5	3527692	24797587	3210822	22207413	8153025	24798729	24009057	22083445	22866044
8.888567	6	2	4	161209.2	440263.6	104425.1	524670.9	265750.8	464567.1	606284	424106	348879.4
10.9645	10	5	5	1550166	7377349	1531270	6713037	1716746	8724469	9009466	5967723	5675556
9.541433	8	3	4	11705892	44926048	50455986	61363993	24256073	1769325	20786778	93496900	1.05E+08
10.9645	10	5	5	1188594	5920023	1195191	5487368	897757.9	6818556	7329444	5001747	4479775
9.994767	9	5	4	522411	905567.2	154897.5	1013613	333522.1	946971.9	1131641	872841.2	702974.2
9.4925	9	4	5	1776195	4045547	1006473	3451880	1768265	4927406	5268642	3582620	3553083
38.772	7	2	3	350547.3	3585815	445117.9	3921377	1048207	4291041	3577570	3279928	3140204
9.999217	10	5	5	1140033	2970675	1164895	2455491	1352128	3985553	4192270	3073581	1519277
9.842	7	5	2	752308.3	1706522	709083.2	2015137	800685.9	1480477	1918574	799358.3	1589208
28.43283	9	5	4	598110.1	7166522	3490435	5814850	3126813	4431843	8681916	2718368	8752913
9.508883	9	5	4	3430448	6237291	2650318	10396242	13630642	7135698	2791413	7263342	4428431
9.419733	5	2	3	465994.2	732495.2	603376.4	520858.3	410679.5	1404346	197317	0	983494.4
9.536783	4	1	3	2838374	10873749	4283300	7962718	8952957	14523265	12958467	12477938	3583627
21.09467	6	4	2	140017.9	926481	298174.8	824208	186819.9	757670.4	1383816	1038911	837713.8
9.516467	15	5	5	2960614	22507803	2759699	24553987	6382008	21359498	22530559	18654565	24021741
9.844033	7	4	3	540432.1	1445981	272231.9	1622101	536893	1736719	1115936	1341360	1720033
9.946467	10	5	5	3630568	6012047	1340621	7229301	3886018	7539341	6876907	6279770	5181761
10.03947	8	5	3	589823.4	619536.9	202906.4	693870.6	158407.1	284032.6	580819.5	758075.9	694625.6
9.94455	3	3	0	3423301	1876545	1157912	2933925	3378300	1033183	1379824	2681956	3488021
9.858833	9	5	4	2269254	10199374	3152144	8586916	4589274	10074312	9019984	5811951	11843385
9.992233	7	3	4	1507072	2197303	1818250	1591376	1006442	1000727	1079838	914048.5	5097451
10.008	10	5	5	623719.3	2248938	472489.4	1963815	856086.6	2394007	2845776	2325684	1544029
9.840617	8	5	3	881931.8	3060703	702076.1	2696456	1042850	3660109	2455904	3518445	3518172
10.95602	8	5	3	2245766	5627958	1713000	7024148	4412666	6212402	8237081	4432599	3866265
24.63633	6	2	4	148789.1	1188556	483765.8	979437.6	541382.7	1010297	1514362	1544115	1459119
9.986767	9	4	5	688818.4	1565827	901841.3	1255955	572108.1	3002967	1514051	1703804	858441.9
20.24783	10	5	5	143668.5	1215335	200745.9	1140139	166628.9	1421357	1426134	987361.2	1073422

9.874067	7	4	3	858090	3301711	1237976	2708636	1638956	5498217	3022037	2666599	2623977
9.864767	10	5	5	5235314	33154538	1719485	34952980	5807369	32563590	30638221	35168365	34197311
9.874317	5	3	2	1127083	2363574	1495592	1876152	733617.3	2432936	1853023	1759769	914889.4
10.95835	5	2	3	392262.9	764018.8	180175.6	1029103	868844.6	822470.1	588724.3	635581.2	1043393
31.00517	10	5	5	1264781	33422246	12065393	38269653	11758905	23172259	24801168	44791409	48252738
11.8399	7	3	4	598400.1	8388679	736034	7609207	2520307	7284225	8618490	8194150	8545807
20.8125	11	5	5	764288.7	3024087	486388	2633327	1234751	2751594	3633221	3466477	2664908
9.856867	6	1	5	800340.4	1321482	315603.8	1873899	1819868	1222546	1786496	1489884	1029728
9.43325	7	3	3	6147949	15533048	7836974	24185731	28060020	21439594	16783605	21270872	15910515
43.3875	9	1	3	240781.4	2302038	1097310	1835220	1196420	1850393	1775736	1848707	4263790
9.43325	8	4	3	467926.8	1639142	717464.9	1400498	397048.7	1244625	917499.8	1328410	1986496
21.8195	7	4	3	92406.35	275826.3	92918.52	241337.3	75596.09	123413.5	326264.6	286306.3	274317.6
39.748	7	3	3	616152.8	6415872	2345039	5259602	3247584	6359373	8530880	5087679	3267766
9.55155	5	3	2	191426.7	384190.8	242519.4	473540.5	193647.7	551681.1	285653	531566.1	552053.7
22.92917	5	3	2	236447.4	1890146	412151.6	1739197	323891.6	1432960	1448774	2234979	2125573
10.93468	4	3	1	271692.2	492801.2	112745.1	418715.4	227367.8	534005.8	483358.5	597199	304533.5
9.859983	10	5	5	2092853	8857760	897041.6	9931803	3501654	8852696	8516768	10034721	9270558
22.74167	6	4	2	294308.8	1816200	668538.2	1504086	853586.6	1316686	2605699	1067835	1691948
10.95602	9	4	5	215501.8	823537.9	323180.4	697137.3	298734.2	918411.6	870277.6	569269.2	470232.4
9.684583	10	5	5	4275733	15603584	2991658	17484253	5722609	17452575	18560267	17048229	13483185
18.64583	10	5	5	2075682	12396261	2810195	13453540	2373590	16975125	12487054	11772196	9363100
10.97242	10	5	5	286942.6	1191685	358573.8	1011743	510278.1	1700164	1412429	1010281	808090.4
9.445217	9	5	4	21326396	2.88E+08	1.73E+08	3.61E+08	1.87E+08	1.97E+08	2.65E+08	2.51E+08	1.42E+08
9.856867	10	5	5	1223319	5251354	523601.1	4857173	1238347	5353268	4782895	5873114	5596843
11.52297	10	5	5	52783.54	170650.9	64826.05	199601.1	77158.99	252223.2	201241.9	86652.93	126840.1
9.960467	10	5	5	3667081	6689264	1142344	8162531	4823605	7983407	6831828	7447941	6110814
10.97857	10	5	5	279909.9	1006754	149484.8	911317.5	291660.6	996178.2	811364.3	958224.7	1043572
9.507167	16	5	5	10185041	32297992	16030634	48614047	52789723	34608516	6340269	30004279	43390093
9.979667	9	5	4	386315.5	1084596	360171.1	929002.6	405279.9	1599913	1183867	877778	638250.2
9.40325	9	3	4	1359700	4892459	1272951	6986723	6910476	5029112	6536646	5640106	3672907
9.2612	4	3	1	307510.9	1158004	453589.5	936521.7	621496.1	1080450	1330995	913915.2	1830831
9.928667	5	3	2	644390.6	1131770	606268	870287	681043.9	1582256	74915.97	1231049	1462580
9.8445	4	3	1	2046351	1979174	728135.2	2871514	2918968	1852202	1380571	2486396	2944260
10.03947	18	5	5	1187304	2901552	1563609	2265393	1576377	4557727	1036682	2015849	2405794
9.8322	9	5	4	1088235	2680838	648764.6	3375513	2257574	2016125	2375096	2540742	2730166

30.253	6	3	3	75666.75	191930.4	78197.7	239771.5	145106.7	289862.6	162950.2	259904.3	127598.2
9.928667	3	3	0	1464827	2306603	1293180	1764222	1384997	3033724	0	2887795	2760668
9.983433	10	5	5	1477979	4589561	1163698	4004700	1667152	5715584	5721366	4688204	3209266
10.67028	8	4	4	1668933	865160	1033365	2016858	3756133	612532.2	393186.6	265186.1	355361.4
9.992233	10	5	5	1899332	6575527	1580578	7287770	1918375	6098672	9139207	6953294	5261862
10.95835	8	4	4	1027599	3071842	1190286	3483937	795216.8	1312637	3641484	2388499	3892142
9.842	10	5	5	6112752	38058627	3265793	36945586	2058264	38113925	33427994	36515326	41357917
37.82	7	3	1	352698.6	4061785	242766.5	3928513	393007.9	4012619	3746807	4033671	4425828
40.12217	5	1	3	371073.9	7025724	2023683	6058514	2696400	10641014	6017848	6104694	6071191
10.9645	10	5	5	940451.6	4458896	1074212	4082967	746575.1	5512328	5545688	3334101	3429561
10.98605	10	5	5	323426	2091127	523437.7	1884973	496088.7	2603724	1685652	1683468	1763152
9.43325	5	3	2	1009140	1463652	676150.1	1943007	1499934	1759127	2056071	547174.1	2002400
43.28683	5	1	3	263305.8	2384615	319535.8	2272655	223347.7	2067637	2920724	2345839	2331572
9.999217	9	5	4	843813.7	1117442	710009.3	1428722	825307.5	1428981	2136947	1112227	431436.8
9.8445	10	5	5	2782575	7223036	996996.1	8949703	5725936	8839270	6353182	6847670	7483299
9.527817	8	5	3	494076.9	875344.4	286572.9	661159.9	675775.8	1251872	942969.8	1005531	576596.4
9.296133	4	3	1	66985840	1.49E+08	1.99E+08	2.26E+08	1.81E+08	3.79E+08	3.56E+08	4475994	2439007
8.99545	9	5	4	228313.8	675062.3	604249.2	481824	275526.4	449566.9	1719272	471260.7	157066.9
25.21983	8	4	4	530617.6	2695708	679856.7	2418206	695266.8	2332997	3302509	3239847	2910822
10.97857	8	5	3	263042.8	711966.6	232445.5	837187.9	368102.7	922516.2	387725.2	577847.7	930653.5
9.848417	10	5	5	6170792	30890790	7528855	26776500	12155232	29129996	30504486	21597604	30624209
9.904767	10	5	5	15037487	76332994	12172238	92329998	52723702	81708725	62252244	88908395	84394222
10.95055	10	5	5	252512.1	1429737	349721	1293364	325872.6	1822808	1682670	1078342	1054547
9.536783	7	4	3	395418.8	860438.5	367198.2	687450.5	480500.1	733571.8	1438995	989679	609159.8
9.541433	6	3	3	294501.8	421135.7	279062.8	317987.1	229407.9	491052.4	782656.3	98736.91	184911.9
9.960467	7	3	4	577450.1	1687399	522807.1	1421239	767122	2061653	2145454	1453643	883318.6
41.07133	8	3	5	311307.3	3409606	1275100	4798657	4545766	3715087	3441111	1327506	3757112
10.02372	8	5	3	393034	680745.7	107645.7	806597.8	413366.7	616522.9	793495.6	792722.6	645735.7
26.91233	6	2	4	365241.7	2617831	1521394	2083472	1082858	1591348	3498832	482876.6	3390281
10.00385	11	5	5	1698008	2343446	893198	2012179	742437.3	3843358	1640407	2376322	2154279
9.904767	10	5	5	3433001	4837621	966272.9	5511265	2110660	5857697	4567487	5706028	4556434
40.35217	5	4	0	323987.1	3546250	2144306	2907268	130750.4	1703218	2924562	5714675	1473703
9.976317	10	5	5	491378.1	1445116	134364	1315571	420928.6	1408635	1563269	1518865	1227036
10.9645	10	5	5	351417.7	1229952	382970.7	1074013	391746.4	1649704	1632903	1001196	834521.5
9.388367	6	4	2	1280719	6166164	3634482	7743331	4176664	5937426	4815738	4619166	3055797

21.80583	10	5	5	1148607	2262455	615385.1	3522608	4206450	1331274	2167214	2857918	2168753
9.932033	9	5	4	1089416	2380247	555753.7	2083566	872552.1	2891768	3060566	2128233	1856421
44.62383	10	4	3	412378	5151642	1051440	4451479	2178706	5464526	4664532	4177534	4612544
9.864767	9	5	4	2342023	4656001	1085757	6319128	5524005	4352906	5240678	5577149	5218676
44.91167	7	4	3	208667.2	1358264	152170.7	1421800	163546.2	1534873	1196962	1343204	1490783
10.95055	7	3	4	272091.1	743927.4	406709.2	591983.7	345981.3	1190287	1115418	227717.4	514237.4
9.999217	8	4	4	772374.3	919434.9	572016.1	1248893	993632.9	1356221	1359625	1266111	141157.8
9.92825	5	2	3	22196140	51304141	52815245	31902052	43086231	1.04E+08	33668946	1.11E+08	5294613
22.929	6	3	3	81941.73	222809.8	67948.64	269775.6	147335.7	292105.1	182766.4	275733.4	235969
9.8322	9	5	4	696484.8	2270432	821114.8	1826517	1313921	1797339	1719515	1848322	2305820
40.16717	9	5	4	991083.3	2510239	3646729	1409846	807826.2	432724.7	434151.5	167027.1	8756427
10.9645	10	5	5	7993841	36298053	7915134	32943782	8756309	44609730	43184373	28977834	27385400
41.51733	9	4	3	231294.6	3325496	3143616	2377237	700757.3	586852.4	8702642	1747808	2616703
9.55155	6	3	3	667012.6	518078.7	370661.3	852616.8	1084559	587590.1	1000509	708245.9	162232.1
10.008	10	5	4	403485	1158435	323909.8	981508.3	525884.1	1265510	1618569	882901.2	815080.2
44.92617	6	3	1	321614.7	3440014	273594.3	3351268	141552.3	3335068	3050966	3679792	3720805
10.93208	6	3	3	998433.2	1209219	414128.2	1538682	1055010	1108734	1877083	893335	1305352
11.97977	6	2	4	84155.14	158655.2	126198.6	217526.8	163838.6	379155.7	106445.8	89166.92	145643.3
10.94443	4	1	3	752237.5	2299988	589988.5	1946428	1079093	2440664	1858088	2246243	1732022
25.3055	6	3	3	158517.7	649313	411760	834278.9	503724.6	230766.2	829162	188031.7	919013.9
9.853633	9	5	4	1000475	4697819	988352.7	4140917	1672211	4628659	4598605	3144954	5555442
10.9645	10	5	5	3027086	13770815	3328494	12425830	3375321	16846560	17238649	10835752	10003891
9.960467	5	3	2	307179.8	866970.3	183903.3	791916.3	190363.8	1039290	1061276	673285.7	868148.8
10.9645	10	5	5	3283810	14725183	3178944	13329476	3751103	17848572	17685815	11799733	11101969
19.84017	5	2	3	120207.5	480514.9	319239.8	349366.2	334732.7	764098.8	760242.9	154829.8	601163.9
8.79615	5	2	3	139349.4	284626.2	251491.5	414433.7	379168.5	161733	677240.2	328274.8	255882.9
43.1575	4	1	3	337776.5	4949681	908225.8	5620892	2133537	5311294	5398953	5558957	3348746
36.252	7	4	3	215994.6	869941.7	617059.5	1134015	697475.2	940070.7	1886420	325121.4	455332.6
10.03035	10	5	5	988805.5	2890139	744080.2	2456388	1317248	3167245	3908156	2613503	1877761
9.992233	7	4	3	1172140	1211191	550377.1	1547834	1034537	955185.6	1865026	1628366	1129625
10.9645	10	5	5	745360.6	3543998	768889.7	3250724	692547.3	4294626	4279517	2834723	2678331
9.992233	4	3	1	210865.4	396581.8	246692	291572.7	276431.8	642312.8	0	478052.5	339831.7
10.9307	4	1	3	366338.2	773722.1	460643.9	614599.6	316017.6	400733.4	1481269	463277.9	524640.1
24.16133	9	5	4	1004803	8151280	3711762	6701628	3524457	5111540	10225598	3709365	8955522
22.394	5	4	1	170806.2	484987.9	181334.1	414946.9	168127.9	744709.4	238033.4	435832.2	505188.1



10.21522	10	5	5	12984959	43097705	10927596	47819281	12593043	61421550	43374034	41099745	34820938
9.845483	7	3	4	1412618	3611015	1473028	4338945	2093780	1856564	2371642	5244606	3805658
26.32033	5	3	2	235072.6	2175991	449633.6	1960248	612511.6	1804348	2950331	1935960	2087043
9.979667	10	5	5	924747.3	2222635	1083775	2750431	1509077	3079183	3273716	2620672	1217034
10.95835	10	5	5	300060.2	1493138	560273.6	1307234	330902.3	2161169	1841466	963859.1	869290
9.536783	8	5	3	552980.8	1701243	671835.1	1432310	673176.5	1939073	2400492	1745962	1833231
9.992233	5	3	2	690938.5	447653.1	316810.1	771949.1	1065892	702385.3	581463.2	718601	235816.3
32.489	5	1	4	121689.9	580346.9	32989.48	527139	178113.8	623181.1	590859.9	592154.6	556311.1
44.98333	10	3	4	311045.7	2845607	1242149	3354353	1303193	3605134	3697654	2359425	868829.6
21.53917	5	2	3	580716.8	2989296	428063.8	2767741	650718.2	2606290	3524911	2907351	2573067
9.4468	7	5	2	907218.9	2031198	573181.6	2907863	2932955	2623704	2589476	1309510	1955424
9.904767	7	3	4	1895031	3418069	3219805	2456910	599455	1572423	9155062	1860752	2250681
10.97857	9	5	4	267384.2	769004.4	98813.93	714558.1	163431.8	660612.8	860961.8	762930.3	683921.6
9.9014	6	2	4	1490235	3636363	641748.2	3362432	726560.3	3690487	2739382	4546085	3673746
9.379233	8	4	4	812569.3	2022583	1076036	1593562	1072541	2442930	273628.4	1833511	2458574
24.28883	5	3	2	205755.9	930781.6	831698.1	1223264	611205.5	183360	397569.2	403140.6	1762124
11.52297	7	4	3	102926.3	298808	140348.5	355133.6	141887.9	334337.3	376026.8	56195.41	317520.4
10.97857	6	3	3	181661	577483.6	145577.7	713763.8	446197.9	807180	533901.4	488467.8	435463
10.61757	5	3	2	184637.5	1074507	414586.7	889404	507039.1	605105.7	1727222	1097606	873023.1
44.4085	8	4	3	417656.2	6561456	1111758	7352923	2515376	6831874	4838423	7873420	6924116
18.31267	3	3	0	99854.95	240776.3	105892.9	181110	180531	326797.4	201239.7	371044.7	193019
10.96997	7	4	3	303460.4	1057131	412331.7	862791.6	549068.1	602233.6	1055685	837822.3	1081282
10.9645	10	5	5	1542620	7330741	1663236	6697004	1509684	8833458	9113475	5871251	5460697
9.431017	6	2	3	517648.2	1204196	223234.7	1542785	1134652	1228944	1377605	1293210	816178
9.970617	8	5	3	758123.6	764872.2	365139.8	1055242	937002	840226.7	458811	1350599	705389.1
11.61345	3	3	0	60194.73	140337.4	27765.97	157579.1	53518.45	149695.1	179283.9	140198.5	103616.8
9.872883	10	5	5	15403427	76582650	10590725	72867841	7758325	84979239	74084956	61549183	88367529
9.559117	16	5	5	579590.8	1748425	363293.4	1566205	530378.4	1526912	1440565	1826200	1602697
18.70233	5	3	2	1780065	16657691	3001147	14486702	6924484	21000566	14314724	13667721	16092664
9.092333	10	5	5	350008.1	1273793	397213	1124854	348009.2	1389361	1802186	1166626	702906.9
9.960467	10	5	5	4503418	16937369	2955412	15612200	3646437	18979022	20513094	16551324	12881004
9.960467	10	5	5	2714741	5012961	825788.2	6064414	3506944	6078834	5038589	5468984	4543820
9.964417	6	3	3	836670.1	1134418	479746.6	896269.7	690886.5	1494877	1752813	1008135	587931
10.02372	10	5	3	495150.8	1109398	214684	938241.9	553822.8	1144521	1009481	1090342	860409.9
9.994767	9	4	5	347737.8	749479.2	261790.7	869456.1	335269.9	1070655	870925.3	829559.4	569409.1

9.508883	5	3	2	278584.8	357325.1	309922.7	239078	283741	559094.8	757966.9	347184.1	122379.6
9.859983	10	5	5	2664969	11529685	5524112	9714392	3198744	9231214	9320616	6429975	20791091
10.94208	8	4	4	213121.4	540347.4	244979.1	440732.6	255699.1	377804.8	948072.3	367782.8	417481.7
9.856867	5	1	3	418033.6	323421.7	176484.4	631187.5	1037357	516084.3	44903.83	317597	316067.3
14.09268	10	5	5	83153.53	338371	137977.5	423850.9	265896.5	159926.8	283302.6	322432	533485.8
10.1999	10	5	5	803149.8	1643096	487998.4	1898379	757366.5	1256630	2360955	1842504	1609270
9.9677	5	3	2	881301.5	1063600	536773	1258373	436004	1354785	161419.6	1279688	1006974
22.45267	7	5	2	305637.8	1152616	449517.4	972802.5	455206.1	739183.4	1903831	1190539	942430
10.008	9	5	4	686156.7	1251213	486682.7	1494298	709162	1391318	1979192	970296.4	686926.5
10.9645	10	5	5	389822.8	1562868	275205.4	1430565	379517.2	1745590	1876939	1260209	1291909
10.14385	9	4	5	613978.1	2995854	605605.4	2707762	822351.3	3030251	3389029	3604272	2927553
9.976317	10	5	5	1460174	6605209	1221050	6030894	1630334	7268302	8087382	6835434	4941626
9.93625	10	5	5	3835113	14710005	3201761	13145168	4524055	18148802	15462472	10823650	11963006
9.992233	6	3	3	1116764	817483.4	435417.4	1125755	983907	478987.1	632192.9	785783.6	1571752
15.58085	10	5	5	659989.8	5248094	1576310	4701374	1126715	6784272	6190245	4260813	2985139
10.60208	4	1	3	80515.68	159111.4	39938.19	190588.2	101916.6	89032.39	182461.3	172792.9	165870.9
9.872917	10	5	5	1435444	8258612	2540093	7059488	3413069	5974327	8026317	5762151	9832720
9.730633	10	5	5	428837.1	1284331	369559.3	1146620	321728.5	1526609	1646382	1382824	1156344
9.40325	8	4	4	2787099	21095595	7249909	18269909	6978348	13701510	17508866	24437932	32068967
21.68017	5	3	2	159128.6	975707.3	796778.5	1308169	875515.7	261794.1	1968659	334101.9	624818.9
11.45655	10	5	5	940745.6	4223486	1028190	3632086	1811098	4321684	4087033	2868764	4084819
9.946467	11	5	4	890019.9	2855416	785401.2	2456504	1173636	3382187	3263355	2070256	1945220
9.4159	6	3	3	1303986	8998022	5544592	6979602	4560845	17687833	4553938	6250475	5163805
10.9645	9	5	4	373181.5	2082715	797355.2	1807067	565331.9	2668611	2551875	968924.6	1504850
9.912633	5	3	2	2347472	3647041	747767	3081274	1824419	3876028	3695376	4737331	2793033
10.95055	9	5	4	315136	1044655	403997.5	1237517	552717.4	1654071	911246.3	708055.6	709759.8
10.94443	7	4	3	2681305	3661114	6746158	6345512	6785668	603661.2	678434.8	774067.3	521548.8
9.842	6	3	3	1064869	3099466	627236.3	2905307	253942.9	3824966	2574471	2321665	3395861
27.96683	5	3	2	222062.9	735288.9	756940.8	1044005	798766	205253.5	117786.6	1310397	1774831
9.677883	8	3	3	324267.9	1131778	227108.2	1252382	361216.3	1004452	1343367	864357.2	1392241
9.43325	5	4	1	902234.2	5025770	1608970	5622027	1388520	3679658	6204045	7019284	4983028
10.9645	10	5	5	490657.6	2156923	493392.9	1988071	339842.6	2648779	2642500	1829494	1533948
23.674	4	4	0	90104.82	709518.3	312028.7	833478.2	313530.9	1150967	569946.8	567866.1	362770
22.78467	5	3	2	88641.77	301301.6	146008.5	372631.1	207090.1	127274.1	260690.9	326498.9	264188.2
9.856867	10	5	5	21247982	91156513	27790141	75579842	47501034	95038688	96401231	51399938	84145188

9.94455	10	5	5	951989.8	3298946	947449.2	2928575	922517.7	4305178	4251269	3149778	2471795
23.16133	6	4	2	846115.9	2688075	3531824	1500426	2291359	112030.4	8406576	935559.5	187477.7
9.419733	10	5	3	1776610	7358678	3155246	9126989	5393304	11199707	9136284	8223278	4386524
10.5005	3	3	0	116430.7	255944.6	101160.1	296470.7	103519.2	390057.3	331185.3	170168	160297.3
15.58085	10	5	5	2249264	18759810	5300661	16913102	3881274	24367129	21248208	15114894	11456830
9.559117	7	4	3	411072.5	1510224	655344.8	1294229	392917.9	2021666	2106310	1794015	652397.9
10.95602	9	5	4	397754.9	1122158	302760.2	961111	483702.5	1222788	1271456	719858.5	914808
37.40283	10	5	5	441409.7	3084993	1123147	2611480	1264104	2083646	2327399	2396525	4320820
10.70568	10	5	5	365887.2	1163736	398683.1	1024640	293763.4	1099584	1763067	1323468	868796.7
10.9645	9	5	4	187300.4	580698.5	162581.9	488422.1	282820.1	831091.7	568469.3	541467.2	377407.7
18.11517	8	4	4	84976.47	261861.7	82914.34	216288.9	138405.2	302283.2	380420.3	191352.2	255862.5
9.8445	7	3	4	1055188	3635282	1521434	3159570	684455.4	3724969	1842642	6027661	3095237
9.960817	10	5	5	2085689	5525336	2056080	4872179	1027728	7107246	8222234	4589634	3274804
12.26695	10	5	5	800543.4	5250286	935269	4808107	1267135	6151567	6047882	4425324	4110470
9.859667	4	1	3	1244465	1538231	822211.7	2295886	2501858	1706966	945606.2	2159911	2418725
10.94443	6	2	4	899199.1	1896294	1123080	1396320	1387136	2259154	954108.2	490885.6	2687300
9.94455	10	5	5	942018.3	2952036	724830	3198226	490708.4	3944754	3389410	2877675	2284062
9.40325	4	3	1	1863774	10891571	8276234	13867185	6662803	6862517	5736532	19796807	19744048
10.9645	10	5	5	577789.6	2059571	531764.7	2342592	851868.1	2594467	2665864	1839051	1549506
39.863	4	3	0	260015.8	3500119	3131678	2585550	121723.6	2609342	2777965	499984.3	2783934
38.46733	5	2	3	2971409	30095915	23949884	20752108	23343833	47115142	4179082	48600735	3561296
24.72467	10	5	5	4730767	36570885	4575410	34019297	7796091	34280117	41403099	29859815	39494819
9.94455	10	5	5	13821657	24828746	4755788	29637518	16003736	30724662	25716496	27428940	21573948
9.536783	5	3	2	490654.8	832368.7	592295.3	601861.6	574740.5	793695.1	1292263	1492309	583576.6
31.29517	8	4	4	256242.5	940790.9	661779.5	715817.1	451103.4	460439.5	716151.2	243716.6	1611809
9.40135	9	4	4	828215.9	2885065	1608531	2306969	1298574	1836417	1936677	4706139	1388970
9.8445	9	5	4	1410729	4557626	1345235	4031017	1323315	4295494	4021178	4840310	6641658
24.16133	10	5	5	888319.8	8424741	3475788	6967552	3895155	5950728	10035938	3991180	9351670
9.40615	9	5	4	790963.8	1794800	643200.5	1456618	1016695	2597110	2374156	1219534	1293107
24.04	7	4	3	284773.2	1561185	724694.8	1256882	815013.2	1302174	2227081	481680.8	1582307
9.874317	5	3	2	1332450	3737741	2223084	4757175	2889056	2882415	1928466	2255311	4235371
9.992233	9	5	4	904274.7	3130696	541393	2814755	979636.3	3537109	3551736	3133781	2222947
9.933967	9	4	5	2325023	4773030	7330746	2603896	1620613	1339219	1296346	17872361	1267736
21.77867	10	5	5	586931.3	5608351	1245416	5174936	921554.6	5062021	6829959	6922300	4018563
42.48117	6	3	3	333114.3	6545519	4188528	5317647	602800.7	662786.7	5421973	11260296	5517386

13.08332	4	3	1	5579470	44454822	6513084	56599075	41372475	54790881	45210825	39923642	37994662
9.872917	10	5	5	17304622	47613636	10552624	57747380	33701753	48478019	38347941	61448986	53633033
9.6501	10	5	5	569456.3	1952916	346604.3	1776957	522972.3	1468539	2134632	1998760	1783150
9.992233	9	4	5	982262.1	1106884	326399	1501258	1328250	966735.6	1489365	1198578	1252936
9.856867	10	5	5	2251827	9664937	1038187	9031880	1985230	10625864	10185105	10172755	9334411
10.9645	9	4	5	1977912	7260664	2214523	6381234	2251729	8858159	10199412	6202870	4727878
18.64583	9	4	5	288985	1492589	492523.7	1648715	249811.1	2212221	823643.2	1521565	1430997
9.94455	10	5	5	12264147	48753070	10319957	45106762	8010681	61988807	57635125	39920931	40426578
9.845483	9	5	4	1010163	4638504	1086016	3907341	2339824	4154718	3821846	3834332	4999675
10.21522	10	5	5	6590953	20566457	5308521	22837179	6184766	29458718	20469522	19911592	16299429
9.568567	6	3	2	1.27E+09	2.46E+09	3.46E+09	3.9E+09	3.84E+09	7.3E+09	4.97E+09	9025077	2145555
9.903567	8	3	4	11859752	41184545	52792081	23069139	37645934	1279677	3654048	92585833	3377871
9.872917	6	3	3	4047246	10398299	3701302	8674038	4948582	14746034	4947382	11532421	11947524
9.859983	10	5	5	1263684	7470466	1458929	6698961	2333629	7676053	6262910	5728653	8514218
10.45667	5	3	2	131767.9	169186.5	96023.23	210088.8	111318.4	72494.9	289447.3	68772.24	211750.4
11.52297	10	5	5	922136	4901953	1333088	4308197	1664313	6116354	4115689	2985825	5990117
9.4925	15	5	5	2520809	17572327	8286743	21996127	13435169	25437966	12222038	22885186	21574021
9.95825	10	5	5	1083708	3623439	895748.3	3292976	781267.8	4537682	4539535	3325432	2488790
9.848417	9	5	4	1491395	5944835	1468613	6636428	1998720	5196429	4727995	5654503	5665785
9.992233	10	5	5	558777.6	1553348	128344.6	1733835	613227.3	1734787	1512783	1633938	1454968
9.94455	10	5	5	6079728	11197951	2775703	13329575	6968977	14479787	13147435	11601560	8703035
9.8445	9	5	4	1157603	2926214	519097.3	3364944	1449127	3590932	2848609	2162399	3138965
10.92208	8	4	4	136360.3	448460.3	268561.4	351641.2	221654.4	537323.2	478819.8	74331.19	344374
12.2223	5	4	1	76306.05	289300.1	145061.6	238473.4	110824.9	241046.9	276788.3	79062.72	405236.6
44.55233	8	1	4	238081.9	2907725	169506.3	2599984	1052432	3147970	3021063	2808113	2813844
9.8374	9	5	4	896838.2	3379403	873826.5	3805716	1253607	3229009	3280876	2049145	4221332
9.986767	5	2	3	43032984	46724552	43055094	31369618	34566403	1.06E+08	3718825	42831941	71312452
9.508883	13	5	5	22626386	1.93E+08	50370431	1.62E+08	96053088	1.79E+08	2.31E+08	2.58E+08	1.54E+08
10.97857	10	5	5	568262	2339377	532203.1	2097868	685873.5	2097986	3060060	1795911	2012374
9.43325	10	4	5	5025903	11749076	17538982	6507904	5334882	42947504	5350028	6026626	1355396
19.24217	3	3	0	93715.18	167824	54396.81	147404.3	49547.07	138881.1	169828.7	127189.6	142195.9
10.01477	4	1	3	41314136	40793331	28767899	27524499	38022037	68711571	507706.9	41444223	67132625
20.50483	8	4	4	77145.12	218200	150583.3	173743.5	35925.67	173257.1	143361.3	188877.2	104198.8
9.932033	5	3	2	764710.4	1348289	374632.1	1116824	731966.5	1656934	850299.2	1576948	1041332
11.16097	10	5	5	27916936	1.6E+08	55382553	1.96E+08	1.13E+08	2.43E+08	1.75E+08	94719951	1.31E+08

9.93625	10	5	5	2378007	5303312	824732.4	4879053	1275548	5932028	4449173	5135386	6363217
19.67867	10	5	5	823937.4	5171571	439046.5	4471118	2392133	5656928	4702762	4725584	5275428
44.049	5	2	3	296132.6	3056187	802497	3322300	513428.6	3120033	4222931	2994983	1960045
9.8445	9	5	4	607683.6	2394497	479777.4	2017613	1238351	2170406	2196543	1817791	2894825
9.94455	10	5	5	6126230	11068314	2763358	13183724	6929916	14348434	13202430	11108554	8761604
40.38267	11	2	4	324379.3	4221456	998717.7	3282054	3138041	5915371	3588826	3565437	3696566
9.848417	8	4	4	1122808	3362331	1571013	2714744	1728997	4628314	802564.4	3042509	3773490
9.976317	10	5	5	821800	2044275	714093.7	2400144	1058138	2347779	3068463	2053281	1426823
9.885167	11	5	5	8048096	33453125	18449967	38958623	5603208	42964966	689821.8	40600990	44415346
10.70375	4	3	1	103406.4	320492.2	49182.45	295189	76174.83	247667.1	359367.9	368378.6	298184.1
9.983433	10	5	5	821370.5	2230262	798726.4	1850374	1108077	2829958	3199112	2161122	1230900
10.57323	10	5	5	5885273	28476578	4630531	26275823	6417998	31424553	34476757	25639028	22742364
26.898	9	5	4	342797.5	2065402	1510731	1562644	985008.2	916946.2	3408074	456248.8	1673523
9.94455	7	4	3	1036114	2157079	935875	1772028	1028454	2992999	3306216	1756517	1549781
9.960467	4	1	3	676921.7	761372.6	300182.2	865107.6	222050	888365.6	265725.2	743192.5	1063171
10.008	8	5	3	829798.2	1867147	332752.6	1651341	690755	2029964	2299717	1533551	1531657
23.81317	8	5	3	490118.9	660461.7	194954.8	1005386	1182753	417516.2	853502.8	709438.4	497611.5
9.856867	5	3	2	2275330	6050912	6719568	8486720	5673128	1246665	10346844	1601853	1215481
20.33133	9	5	4	450079.4	3250138	1716229	2731116	636070.3	2616364	3539610	1529144	2521854
43.78483	7	3	3	366387.7	5689837	1561529	6323402	1675681	6103275	2947556	6060292	6730562
10.9645	10	5	5	287898.8	1121291	223672.4	1009891	332163	1411961	1195069	919586.9	872202.1
10.008	6	3	3	2881584	1083049	664758.3	2010607	3165616	1274509	210224.2	1568813	1778360
9.859983	5	4	1	599693.3	2133989	493183.2	1883013	754895	1827585	2635447	2678884	1595339
9.992233	9	4	3	703604.7	972931	598352	1262806	854919.7	1398577	1752777	895597.4	394469.3
9.856867	10	5	5	1565906	7080606	1214302	6661952	896179.3	6124368	5588411	7969871	8472881
10.9645	10	5	5	524776.4	2262828	464961.9	2068575	526674	2932597	2289516	2282009	2186986
9.999217	8	4	4	919294	1334880	585648.9	1600173	757706.2	1440996	2141684	1102521	1455127
7.59775	5	3	2	813318.6	19450210	2294914	25212278	19882834	18827817	19980853	20358891	15940278
9.983433	10	5	5	582034.9	2420445	451680	2178269	742096.8	2446978	3058301	2300039	1797712
18.44233	4	1	3	112573.1	607343.7	367282.5	483935.4	249911.6	413556.2	723532.5	244209.2	467472.4
9.406667	9	4	4	3061203	10640976	3116466	13189494	8443825	15908487	10339972	7629249	9538903
9.94455	5	3	2	1488235	2854071	1125334	2415103	1123771	3957213	3868908	3075284	1814578
42.48133	7	3	3	377066.2	5459549	934308.3	6023102	1783678	5392418	5973662	4051558	6564033
9.8445	8	4	4	715923.4	2280626	527370.3	2116066	256733.9	1996844	1512689	2801055	2423315
9.986767	9	5	4	1072866	2581046	981361.6	2119922	1344128	3792294	3338503	2311128	2116115

9.853633	10	5	5	5619126	29237182	7675495	25425041	11385820	26370885	26928872	19193115	35200067
9.853633	3	3	0	495436.8	1621995	1187580	1237449	702248.9	1472600	524427.3	1112443	3643078
10.96997	5	2	3	272747.3	642036.3	200570.9	904973	897475.3	972556.1	624388.6	554574.9	625000.7
9.94455	10	5	5	28183854	56062994	12242721	65114119	29669477	71098894	64823007	56527382	44987359
9.554967	9	5	4	473352.5	1057170	148300	932613.5	414143	1115901	1261192	946231.7	1078900
9.392767	4	3	1	458329.2	878732.9	187425.7	1137327	884226	825592.5	758487.2	1087927	1059358
9.445217	8	5	3	729924.8	2128316	536479.2	2622941	1657868	2945868	2384847	1623936	1830058
15.54132	5	3	2	237495.3	811888.8	767786.8	1141865	915265.9	359066.4	57935.33	1484643	375584.3
9.8445	9	5	4	968392.3	2874527	1107736	2477907	913109.1	3691065	4279149	2388283	1493641
10.02372	5	3	2	326313.3	656514.8	376754.9	506589.3	391956.4	535140.4	105663.1	798289.1	711006.1
10.21522	10	5	5	1432288	4674436	1205817	5150407	1235668	6655500	4840500	4394074	3594799
9.568567	14	5	4	9974757	34902053	30365176	23867930	26024686	55045477	1502046	52810995	2283092
12.61743	10	5	5	477213.4	2827450	268150.4	3282478	1565545	2861914	3187633	2695573	2467173
8.99545	5	4	1	168463.5	640392	323549.3	494926	415380.2	462087.5	1176842	710390.1	390174.9
10.008	14	5	5	20379276	37828848	6653830	40378345	6428212	44892818	27437165	38152002	42031957
10.95602	9	5	4	192412.3	1002571	380873.2	866004.2	316264.6	1312980	1194598	547399	633447.1
10.9645	8	5	3	359816.2	1138564	237192.3	1020176	355212.8	1453018	854131.2	1049440	1034760
9.43325	6	3	3	803844.4	3563740	1592188	2973961	1430532	5574945	3841259	2270500	4453499
9.952017	9	4	5	1691320	3204100	1392800	2658301	1410012	4621762	4775878	2510351	2341670
9.880683	10	5	5	2346861	12635746	1863362	11576692	3313121	10010112	12092969	12196654	14433492
9.992233	10	5	5	2288657	7593898	1726235	6655829	2898121	8985890	9538637	7577977	5347938
9.55155	3	0	3	648077.6	625382.3	520643.5	812330.5	434565.3	522721.5	44887.84	326885.2	828246.6
9.382183	5	2	3	328319.5	980600.4	175355.1	1144848	552472.7	1228636	885611.6	1040907	759782.7
10.02372	7	4	3	271622.5	664314.5	225959.8	548514.2	351256.2	473876	389434.4	803719.8	727617.3
10.45545	9	4	5	373866.3	774054.9	234520.8	933762.8	518935.9	1015912	895618.3	898918.5	607131.5
10.35132	10	5	5	7025100	28489613	2241110	27200079	4050397	27782737	32275647	26692572	28624858
9.522017	10	5	5	824209.8	1793747	533683.7	1548470	710159.2	2204130	2439506	1381097	1769098
10.95055	10	5	5	3252647	16649946	4943424	14934169	3769643	22772636	18700054	12013986	11119031
9.40615	5	3	2	2311483	9709086	8633039	12892305	7693793	18898739	3749019	2982400	19419488
9.616167	9	5	4	471403.8	2153342	511780.8	1901126	754270.9	1998960	1880970	2515389	1546757
9.8374	9	5	4	3454930	14427262	2631304	13470966	2267831	13886923	10698713	13711387	17450960
9.960467	4	3	1	1219808	971413.4	253320.2	1187568	722320.8	956335	860294	971741.5	1377996
10.97857	8	5	3	333474.4	1015499	326606.6	1140360	315420.7	1014017	634506.8	836489.5	1510546
9.9677	10	5	5	1140994	3813500	744952	3485641	928019.1	4073731	4949544	3491908	2975655
10.9645	10	5	5	1574065	7265617	1631958	6617726	1700213	8799090	8877692	5815085	5378341

9.979667	9	5	4	1146827	3114991	705122.9	3767231	2195759	3028424	3298625	2516056	2510671
9.864767	10	5	5	1662083	7485612	792998.9	7936819	1415809	7588884	8320617	7124006	8066315
10.8914	3	0	3	329161.8	659469.7	444469.3	495770.9	396195.5	251956.7	1268953	378510.8	406887.6
10.95055	8	5	3	158771.3	513111.8	179131.8	456115.5	99681.73	660381	721995.6	380385.3	300264.6
11.34627	10	5	5	295479.7	1245388	256720.4	1146681	251380.8	1518963	1489673	1082266	927351
10.1999	10	5	5	1618497	6323648	1171297	5746248	1731031	7831401	7070914	5241366	5105998
9.976317	9	5	4	612501.4	1230557	219502.6	1496907	911593.6	1527375	1365345	1170879	961737.2
9.864767	10	5	5	25434520	1.8E+08	18233165	1.88E+08	24780534	1.91E+08	1.75E+08	1.5E+08	1.96E+08
16.13528	5	2	3	103424	340198.3	161277.7	417342.4	228651.2	130067.7	460178.5	410445.6	208095
20.45117	7	4	3	345358.1	2063536	399833.6	1800444	853151.5	2435733	1565740	1750727	2454766
9.976317	11	5	5	978881.7	2657590	774783	3072879	1284290	2823012	3559760	3182361	1952752
9.960467	9	5	4	920986.3	2539630	348919.8	2211623	1108064	2777207	2842622	2440281	1978782
9.4775	6	3	3	587083.1	1316935	857963.2	1038575	525240.9	1772229	2295264	1682731	533894.5
9.416817	5	3	2	2279126	5801061	4208412	8589494	9056582	9818691	2139301	7410836	9106000
10.94208	10	5	5	388864	2119798	547191.7	1866356	740570.3	2924578	2418666	1586822	1751436
9.7038	9	5	4	325650.7	1124839	194627.3	1010532	362455.9	925881.1	1020318	1358618	1011484
10.9645	3	3	0	232682.2	515016.3	300167.1	403455	274471.2	926685.7	685918.5	499730.4	248426.4
8.643667	10	5	5	2070197	56847100	16440428	50435763	16629104	32022713	48237153	69220271	64559202
9.304717	5	2	3	616031.8	2062911	1167167	1603267	1203497	3045844	639616.3	2045577	3376229
9.67	6	4	2	321893.2	418825.9	132534.8	609560.1	657392.1	492227.7	444003.4	247991.5	327585.3
10.14893	10	5	5	638937.1	3013375	1235597	2624581	657329.6	2232424	4020326	3915140	3681131
9.992233	6	3	3	728807.1	1046078	368421	1297848	822642.1	917687.1	1152932	1626152	873029.8
42.165	5	2	3	400557.3	4653973	3092763	3662788	1803233	3602463	2686097	3210358	10144255
39.573	5	1	3	301042.2	5393857	1464916	5864012	859622.6	2790370	5864041	5894955	6182132
31.195	4	1	3	19142386	19408159	18004126	11501104	22483287	40139745	2686246	3176791	14360356
28.42217	9	5	4	3493637	39862059	20970574	32390207	17386372	22372318	49484432	13525117	50561994
12.49958	5	1	4	218809.3	2330790	283590.9	2086458	821109	2819781	2179973	2158425	2338389
9.964417	10	5	5	2275997	7062479	2205096	6133543	2573457	8606681	9079768	8259043	4333834
9.445217	5	2	3	881100.8	1797695	623027.3	1434423	1152021	1782933	2267650	809409.5	1738071
9.8322	9	5	4	1175838	2674036	272551.8	3221894	1903689	2782507	2478708	3005159	2784006
10.008	8	5	3	293120	1004137	310332.5	862893.1	410292	901791.4	1309359	791468.6	665291.9
9.857683	9	5	4	2213843	9949362	1880424	8686946	4119583	8550363	9816349	9168388	8998224
9.8161	6	3	3	830676.8	1695820	850912.7	2269383	1872968	1329223	2273557	906312.1	1080168
8.344283	9	4	5	1823631	66276089	30418517	83323735	53572780	46187308	50828974	1.18E+08	48121761
9.363217	8	3	3	452921.5	768553	301641.3	990953.8	735827.6	952768	466357.7	712902	523313.1

9.9677	10	5	5	8681482	21597970	8054751	17845487	11034102	27528458	32202749	18479615	12424442
9.94455	10	5	5	13604206	25252085	4757642	29908399	15816631	31454168	26020195	26816666	23496246
10.8914	3	0	3	279387.8	365992	193471.4	466229.3	307953.8	236718.1	442917.1	181268.4	304429.4
9.4925	5	3	2	386313	658167.3	249855.6	855629.7	659509.2	528556.8	894924.8	644047.2	905194.5
10.57323	9	5	4	960664.4	2123965	515247.1	2514033	1296486	2368638	2883737	1806645	1570596
10.16938	9	5	4	440669.7	1993099	454770.9	1783178	615730.1	1447115	2208374	1999708	2618971
9.960467	9	5	4	782724.6	2085321	568736.2	1891092	422245.5	2750486	2644262	1808077	1528688
9.864767	10	5	5	3837314	17024038	671612.1	17375358	1083900	16263317	17184122	16567650	18017839
9.4098	6	2	4	1083728	3130201	1067749	4553573	4914170	3951244	3940198	1745416	3807760
9.43325	7	4	3	553390.4	1354442	171770.4	1169047	634542.2	1260798	1121455	1525457	1349749
9.830833	9	5	4	601344.3	1666919	634582.8	1872139	390549.1	989476.9	1008353	2397188	1996166
9.36565	4	3	1	368923.2	432969.1	395543.3	275160.8	421405	696747.7	0	0	731213.7
10.96997	9	5	4	221678	620337.7	213975.6	520070	296676.4	527570.8	954558.3	371107.1	642759.8
9.986767	7	3	4	308757.3	514090.2	265439.6	618765.1	277430.6	147166	454973.2	888696.3	571838.4
9.920517	10	5	5	4049225	9405206	3374680	7974621	4011444	11337327	7509445	5662558	8312919
12.28138	4	3	1	44998.96	100372.7	17714.77	84640.13	53282.7	121474.6	114223.3	87320.53	99619.24
9.94455	10	5	5	12327558	50449337	9062692	47318855	7006606	61983497	57785152	47351151	40600651
9.94455	10	5	5	28187844	56199103	12116094	65163254	29807912	71274608	64745023	56432266	45348911
10.95835	10	5	5	338030	1411892	202149	1299330	355063.8	1721829	1493724	1218027	1270913
36.52833	7	3	2	295333.6	3065162	2224417	3701470	295280.6	3937457	5821330	1585872	128184.3
9.94455	10	5	5	5100805	20967729	3826990	19619249	3129336	25867736	24125514	19478403	17046600
9.536783	6	3	3	1128682	805880.8	427654.7	1264968	1575627	775220.8	1204836	1271499	447848.3
9.856867	10	5	5	685137.6	2554920	288732.1	2890779	1157273	2547374	2266133	2662862	2316990
10.008	5	2	3	465633.3	387715.4	244673.7	515560.9	396107.4	506893.5	0	653526	435313.1
44.88283	6	3	3	157620.4	1115518	229895.2	985289.6	413042.9	802180.7	1369524	1243788	1203273
9.856867	10	5	5	4733643	20147130	5643224	16899963	10339467	20091494	20124896	14096175	17212168
10.9645	6	3	3	282457.5	700560.1	349617.6	807836.7	166999.1	1091638	1062886	412708.5	549879
9.858833	8	4	4	3780396	9479028	9080963	6765799	3515249	6382838	5721115	25668425	4323101
9.979667	8	4	4	1029920	1679114	1020254	2022643	734159.6	3093834	791826.8	2386030	823794.4
9.162767	9	4	4	4858276	34547861	17120396	27788421	17995495	50863289	52774613	33494130	15336281
35.49733	5	3	1	335502.6	5125038	1836415	5746900	1348426	3088893	5021859	8088587	4388227
9.445217	13	5	5	1245575	9841902	3749328	8638137	2281226	13139318	13026851	11195807	7080569
16.72417	9	4	5	141448.8	695986.9	515765.5	547139.8	117913.1	723842.5	1575103	487480.9	307816.9
22.8715	10	5	5	1225448	7381623	1831301	8031226	1534417	10132216	8259231	6622933	5507523
9.887133	10	5	5	2646915	13056964	1181445	14301511	4280950	12770608	11619973	14680868	13736881



9.445217	10	5	4	1805787	10265860	2511841	13257479	10353695	13135197	12093085	10736912	7468131
3.57485	3	0	3	189306.1	2812553	1607663	2223061	1459481	88317.22	3920609	3994874	2715575
9.903567	6	2	3	2252649	3034530	1610321	3920206	2798233	3790671	306333.9	4466775	3587909
9.8445	7	3	4	1142145	4942359	768620	4372365	1904960	5465294	3862736	5393854	5592736
10.57323	4	3	1	133214.4	281014.5	71976.61	238061.6	138469.1	224159.6	254050.2	396036	304440.5
15.83335	6	4	2	137915.2	1540791	338483.9	1395160	415384.7	1267298	1897604	1283647	1331950
9.929783	8	4	4	1808224	2626746	697499.8	2229374	1267592	3252455	3421272	2549504	1867326
9.43325	9	5	3	831856.3	3910461	2240980	3183041	1436478	348111.4	5160545	4289804	6259480
9.311883	4	3	1	388313	2083295	1390662	1600530	1105071	3705660	621969.5	3032548	2379844
10.98385	10	5	5	839513.3	2490076	901110.2	2123632	1006130	1848315	1923601	1784736	3141209
10.95055	8	4	4	265713.3	869817.2	141717.2	778341.4	299766.6	994425.7	1011933	897185.9	740326.4
10.95055	10	5	5	268216.5	1623258	481159.4	1458592	367708.2	2055046	1889899	1044935	1158946
10.9645	10	5	5	1479916	6161017	929339.7	6554333	1111669	6744919	7258113	4815774	5844672
9.392767	5	3	2	661377.1	760830.8	705086.6	529238.7	473118.9	828273.6	1044440	0	178070.9
9.388617	5	3	2	485935.8	897755.8	866332.6	617063.3	552913.3	1173429	141795.5	0	1039425
44.96917	5	3	2	458080.1	4824144	2055933	5426579	666751.1	1181704	5311772	5769284	5745045
9.845483	8	4	4	2462643	6386438	3607190	8146400	5354548	4468162	4199977	5538805	4950755
9.979667	8	5	3	446844.2	1180457	357089.3	1009872	514559.8	1141998	973665.4	1173862	840520.3
10.008	6	3	3	289096.6	530906.6	252231.2	659517.6	397786.9	597669.1	786633.5	737713	236401.1
10.10223	9	5	4	445596.5	1856289	376385.2	1649941	653134.4	1575718	1705269	2266744	2251851
44.9835	5	2	3	152783	772897.9	67681.83	732747.4	129595.9	729363.2	830970.5	675015.6	813691.5
9.311883	5	3	2	758450.5	3991293	2122811	3218055	1909285	2544894	2324009	6607904	2481533
9.949233	10	5	5	945011.3	3412143	463448.5	3223842	518298.1	3898114	3804761	3467630	2823667
9.5021	15	5	5	1356351	11067725	1621407	11982739	2920879	10483525	11608632	8654626	11574117
18.71667	5	2	3	16808756	74244588	69774733	48289694	65783632	1.49E+08	401299	375748.4	97781616
42.63967	6	2	4	316466.8	3876690	649004.1	3480031	1289902	3467512	3260146	3902887	4940837
9.999217	10	5	5	968779.8	3179789	951332.8	2762997	1207534	3612543	4502853	3068820	1959065
9.842	7	4	3	1021337	1964266	228687.4	2281375	1107461	1982264	1968029	1915552	1656714
9.976317	10	5	5	845167.4	3626101	847784.2	3299311	861262.1	4383717	4461547	3636721	2426147
9.3735	3	0	3	483506.3	701265.1	334464.7	939985.2	797294.6	1154582	862383.2	740348.6	396186.8
9.382183	8	5	2	1565779	4525189	2585685	6259582	5740505	7193604	1889488	6867864	4815051
9.857683	10	5	5	1109926	4023862	370530.2	3587385	1516265	4580164	4029292	3540921	3943646
11.16645	6	2	4	125737.6	457272.7	178768.3	381503.5	215628.1	408523	285594.5	331359.3	530063.7
26.33467	6	2	4	115743.5	476960.4	166785.1	421709.6	116684.8	388490.6	740626.1	408017.1	315380
9.445217	13	4	5	417038.5	1866745	1815467	1304184	963410.4	495061.8	1053719	4652469	2728194

10.008	9	5	4	280325	757461.7	186766.9	656751.6	318402.6	940658.9	789586.4	923233.2	517731.6
43.028	9	3	3	260259.4	3100176	654329.8	3614354	1739688	2914049	3212318	2331595	2921585
10.99268	10	5	5	710399.1	3989686	1255511	3577060	856436.6	2613418	4049823	2962718	5712500
9.830833	5	2	3	3828491	7155557	4509485	5034072	6390142	12016776	2508663	5987464	3491338
9.960467	10	5	5	4064930	12122874	3177076	13598282	4418737	13973898	16421423	11990279	8694956
9.43325	7	5	2	1568381	3410353	464522	4154061	2612423	3829676	3689217	2712168	3163304
9.536783	6	2	3	835264.2	4584010	2137004	3705955	2451192	7139304	2422129	2832448	6502770
10.008	10	5	5	370934.1	1200514	176477.6	1077007	412406.4	1291741	1447319	1139755	980604.1
9.904767	10	4	5	1261754	4597761	1738969	4084447	652025.3	4240729	2919338	7018331	5673702
10.9645	10	5	5	542510.8	2404560	522245.8	2176991	660153.9	1991979	3065785	2076864	2012223
10.008	10	5	5	633925.7	2255448	464072.3	1999930	813945.7	2455505	2825505	2329524	1573883
9.3494	3	3	0	838029.4	3976640	2758541	4933002	2216976	6872801	770797.9	2770736	2593135
9.914217	11	5	5	4899870	23370169	5807521	20591433	8443581	18070712	21944732	18040833	28029983
23.6005	10	5	5	500912.1	2261633	472886.1	1966326	968440.5	2791722	2698014	1837166	1771535
10.44888	5	4	1	170109	499201.9	65508.25	436965.3	214371.7	443460.7	455924.5	583999.5	555777.2
9.328967	6	3	3	1232152	6753794	6597630	4675720	3828818	1882855	15893792	2851247	1493518
9.40325	7	3	4	9240629	36515994	39083732	22190570	36002545	9038184	2647231	73622227	84254697
9.601917	10	5	5	921727.3	3181912	789237.7	2801089	1162429	2289482	3597176	2840995	2858881
43.86233	5	2	3	390442.5	4708872	810449	4434612	610283.4	5063323	4388251	5410566	5245545
15.50667	10	5	5	379851.2	2776944	599171	2438077	1088326	3522151	2643027	2287593	2161062
8.888317	5	2	3	215780.4	610595	155555.9	508253.1	339024.3	701724.8	679016.1	667107.4	671780.9
9.960467	10	5	5	4428126	16567420	3093788	15171668	4133398	18763791	20468027	15215636	12588344
20.84283	4	3	1	93907.86	275946	176583.5	218369	118008.6	171821.6	357154.5	192414	111630.4
10.9645	10	5	5	11115044	49118173	11983747	44442538	12552086	61873110	61046029	38857771	36420629
9.858833	9	5	4	986572.3	4344794	1054356	3794054	1730194	4189457	3155067	3888645	4478318
19.37283	6	3	3	111155.1	235528.5	67242.03	322505	304348.1	269278.8	123904.1	269766.8	291716.2
10.94853	3	0	3	151389.5	350114.7	144332.9	427633.8	245648.4	314478.4	587635.4	277142.3	208174
11.52297	10	5	5	5092247	30685728	4174226	28355347	7463855	36866838	28802501	29184409	25987474
9.853633	10	5	4	560788.1	2339392	1009399	2012739	657478.6	3084517	752559.7	1954901	2725904
9.94455	11	4	4	1203943	2045988	275975.9	1913233	405273.2	2080931	2053806	1661729	1996055
10.01477	9	3	5	1556860	7194691	1704756	6600852	1394151	6400278	7526267	4710932	9100116
9.992233	10	5	5	5390865	13017738	4432730	15410651	7600638	14788567	16770215	16714371	10021884
9.979667	10	5	5	960751.9	2543068	638032.6	2969702	1418640	2995073	3149473	2862720	1806051
25.0145	8	3	5	165300.8	849756.1	100375.6	791034	190393.9	758818	988517.5	844067.7	751693.2
9.94455	10	5	5	1907123	3921594	1628110	3356573	1319336	5630904	5717099	3244882	2493901

42.12183	6	3	2	340564.8	4143402	1778007	4645743	238649.8	5087732	4509660	4854316	5262287
38.19433	5	2	3	96514.66	462397.2	50574.28	519832	200310.9	453231.5	496618.8	510255.1	381066.5
9.237017	5	4	1	772749.3	4254227	1813044	3588167	1686437	6626797	3469765	4003326	5310012
9.840617	4	1	3	767335.2	1472830	646237.3	1781963	943225.8	912780.9	956757.5	2418225	1231446
9.928667	7	3	4	875192.9	1673462	389038.7	1523952	397414.5	1866831	2213995	1562770	1175591
23.81833	6	3	3	138370.9	281240.4	39523.73	403853.3	435785.2	250109.7	345461.1	258161.3	293151.3
8.970583	6	3	2	3129197	17702159	9523335	13913388	10388510	15222907	31100613	23067106	12365522
44.9835	10	5	3	297569.1	4670586	2978813	3602398	2627407	1701221	2484192	9157287	4127180
9.91875	6	4	2	902288.9	3682114	1640017	4328638	1760313	5726719	1743143	2771285	3172347
10.94208	6	4	2	620463.4	785436.4	720869.8	1041058	619677.6	453867.6	628385	399628.3	382159.7
9.960817	10	5	5	627797.5	1371196	428128.4	1543776	478528.1	1728498	1849896	1335790	805630
9.840617	8	4	4	1230856	2348658	341530.3	3191415	2993748	2115944	2037050	2362750	2909193
9.392767	7	5	2	831493.7	2151384	1118117	1754704	964510.4	3597099	2062388	1526916	725854.3
18.64583	10	5	5	1993763	7168116	1579762	6545021	1701427	9049271	8183995	6151842	5085283
9.952017	5	2	3	2692512	4031956	2118851	5147604	3533079	7310469	3208848	2434689	2258921
9.960467	10	5	5	4599465	16917543	2887475	15655195	3701387	19039213	20164143	16900490	12829471
9.975217	4	1	3	409895.3	441397.5	383217.8	638174.9	618552.8	260899.7	999169.2	677274	127068
9.840617	9	4	5	1829585	8046777	2352709	7325938	1220349	8098176	4277418	9893249	10159286
9.887133	10	5	5	718619.1	3570528	368022.1	3874545	1042052	4158794	3218241	3313080	3530821
24.66033	9	5	4	1340791	5767872	1484461	7168455	4852576	8333914	4907684	4696828	5184598
10.01477	9	4	5	355648.5	871369	280479.5	774395.7	227577.5	1014848	1249821	879915.2	535112
9.45945	12	5	4	6325048	53235232	16506938	45660037	22812682	70244891	64779086	59304611	39868226
10.37437	5	3	2	150543.9	232557.4	97596.31	191850.5	116206.7	229939.8	305049.3	352570.6	123359
10.95602	6	2	4	341818.8	666949.5	356163.3	786553.5	266726.7	725319.1	1243737	519270	299331.2
9.912633	11	5	5	1662047	5542052	3745620	4394368	1956253	3654860	3419574	3209700	12067298
9.960467	9	5	4	2986567	4621369	393948.4	6022107	5001199	4354146	4217744	5238713	4692363
10.94443	7	2	5	716487.6	1716872	521852.9	2032591	1037381	2554673	1617285	1168828	1449945
40.62567	4	0	3	292457.8	3453731	160777.8	3294038	555610.3	3369965	3216415	3510349	3555258
9.3919	7	3	3	1248065	9143316	3338989	7709446	4172349	7557292	4438063	12972073	11435030
9.379233	4	3	1	380121	778229	419467.6	632164.7	347649.1	955496.8	320002.1	334689.8	1180732
10.01545	6	3	3	1511867	1764066	1730794	1195310	1214014	4361127	759089.1	600349.4	2729268
9.979667	9	5	4	1343067	3990619	960437.8	3390236	1986440	4842080	4903069	3847292	2548455
10.03947	7	4	3	1323710	1520630	1263627	1052872	1206888	458968.9	638205.5	807138	2379953
9.999217	3	0	3	398994.7	577670.1	371314.6	463879.8	195207.7	970913.1	73260.06	729843.7	800509.1
9.999217	8	4	4	426889.1	886165.1	287340.9	705172.6	600311.9	1097921	1273147	787561	657000.4

8.91745	5	2	3	336930.1	524550.4	295530.6	419450	258736.2	392150.9	1043622	485986.3	338004.9
44.30767	7	3	2	304544.6	4598396	1481474	4097388	1139308	3928148	3640511	4134072	7226949
13.44877	10	5	5	544849.7	7788400	1307280	7018208	2522876	9862287	6281144	7454013	7422967
43.60333	5	4	1	336860.5	4691153	2554928	5655234	2550184	7161459	4692300	893672.5	3819862
10.008	9	4	5	2287902	6379265	2111997	5620549	1898665	3501457	8041919	8782261	5387815
9.857683	14	5	5	1011392	3253419	626334.7	2943577	967066.3	2911415	4335592	3262235	2862375
9.964417	9	5	4	1210699	1966993	780574.9	1645915	913207.4	2543108	3053778	1420077	1374733
9.858833	6	3	3	1227608	4750987	1548108	4065906	2036598	6380532	2735624	3523331	5731880
9.928667	10	5	5	1799176	3776298	399734.8	3520145	853926.9	4067788	3780901	4077365	3855356
10.9307	3	0	3	173577.1	451135.3	146207.4	512278	175908	682610	409428.5	471169.7	283878
9.880683	7	4	3	2115889	5020936	2333045	4072930	2674475	3925938	3278823	7972781	7063384
17.23433	7	3	4	395798.8	2778564	1262478	2334622	1080829	4796346	3227419	1930242	2160933
44.14967	7	2	4	323618.9	4631643	615170.9	5413553	2761820	5054035	4937403	4456014	3627936
34.5865	7	4	3	152521.5	455230.7	329376.9	348350	224177.9	387745.1	358320.2	43980.28	536656.9
10.008	6	3	3	305532.2	520453	299070.8	406961.4	302722.7	631286	59233.09	624730.1	429490.5
9.946467	4	1	3	380323.6	735520.1	298452.4	633045.1	240853.7	366094	897436.3	1127792	536704
9.976317	10	5	5	2225035	5891833	2972961	7149456	3649906	7940068	9606655	6012391	2816165
24.16133	9	5	4	560849.1	4709669	1926568	3958400	2054824	3377037	5778274	2430323	4658660
9.999217	9	5	4	780556.8	860572.2	354348.1	1134791	939386.1	1135528	1153266	1045954	591494
9.94455	10	5	5	1060052	3787742	920687.4	3318508	1483008	4456210	4602519	3115230	2516629
9.912633	10	5	5	1400964	7315214	703401.4	7666888	1104328	7871674	7518598	6144635	7226071
11.99488	6	3	3	119738.8	217472.1	58720.7	300577.4	294976.8	231021	261337.3	201701.7	123955.9
9.3735	7	4	3	600557.8	1165264	783643.6	856692.3	852651.4	1867806	1890448	1183446	884620.2
9.840617	7	4	3	1115178	1760518	1264464	2306938	1609285	1239326	1756511	962936.9	903222.1
9.994767	8	4	4	406935.4	1036947	278621.9	916503.9	354896	1087979	1071651	1381993	603761.5
10.44062	10	5	5	882204.3	3894368	513029.5	3620316	879941.2	4172729	4520790	3246076	3511435
26.203	6	4	2	112922.7	588951.2	434299.5	714682.5	152716.4	222802.7	473183.5	737233.7	241300.6
18.97067	5	3	2	44259.7	196376.7	133740.6	235007.2	45875.66	357520.1	64943.44	271350.2	51288.04
9.8374	9	5	4	3755370	6492250	2993519	5430412	2635099	8850175	9711740	3926033	2888966
12.4996	6	3	3	98148.02	276616	116951.5	368799.5	317226.8	92952.09	306641.7	345566	242355.8
9.999217	7	3	4	792182	1018146	432155.8	1283035	879959.5	1327733	1377629	1274364	436683.6
9.976317	10	5	5	1104459	2224100	567369.5	2564006	1124296	2599878	2636130	2638180	1826774
9.103733	9	5	4	531881.4	1104966	359446.7	975344.3	329136.6	768475.3	1663856	912293.6	926304.6
9.976317	7	4	3	1246959	1783701	937949	1430635	940247.1	2784168	2740108	1594602	950182.6
9.848417	10	5	5	17576980	51390365	4790869	59812820	30113843	57743094	52743394	47011587	53256307

9.45945	5	2	3	297717.9	1031784	284900.3	1273246	837555.1	1089159	1359439	998723.6	1130560
9.994767	10	4	5	1484465	2901855	494974.2	2714240	503470.7	3591967	3156444	2705382	2773100
10.97857	6	4	2	265165	734309.9	93490.59	642439.5	322151.8	825490.6	833379.1	615163	706159.6
10.97857	10	5	5	1070299	2303878	559331.8	2986862	2420076	2228853	2004971	2979059	2725613
9.374083	7	4	3	762806.8	1550574	1002295	1181713	961166.8	2205294	169020.6	884916.5	1880470
9.858833	10	5	5	8791686	19282529	4541558	24631403	18933858	21135635	19362245	23632787	20635396
10.96452	6	2	3	406181.7	742985.6	360150	610704.7	343990.9	467200	466380.3	681287	755154
9.82645	12	5	5	1277189	2704829	612304.9	2316246	1301485	3130393	3426912	2721204	2367177
9.166033	7	3	4	819430.8	735046.1	1134351	1493313	2561501	2756267	209062.1	343264	289901.1
41.24433	3	3	0	264770.9	2861399	1057714	2563829	227954	2794786	1751298	2728062	4603250
10.43932	5	3	2	147733.8	179046.4	115870.7	222273	114398.2	199152.7	350208.7	61721.18	80819.89
9.568567	5	3	2	261327.8	474562.9	177000	374906.3	325755.2	626277.1	686697.3	409620.9	260272
9.43325	8	4	4	8595510	16906250	6640478	28312919	40820681	14509694	19860455	25473760	17184981
21.64033	7	3	4	391151.9	1589832	299341.2	1464328	364999.1	1164157	1912621	1800044	1428745
22.1645	4	1	3	151817.4	757310.7	379754.8	638261.2	231099.3	519439.7	742428	365711.8	797435.8
8.9256	10	5	5	8650605	1.3E+08	14596732	1.14E+08	55778182	1.3E+08	1.49E+08	1.38E+08	1.22E+08
9.554967	12	4	4	3953488	9042383	9698277	12634867	9448897	24712041	1521344	7041337	907884.1
24.609	10	5	5	4223200	32496151	4718719	34255325	4659457	39589777	34911912	29260517	28184440
9.568567	16	5	5	3329393	15673061	8856342	12413474	8518163	24368750	1263412	19480680	13964360
9.4775	10	5	5	2508611	10661507	8157697	13334201	5839060	5715582	2899739	6783687	15152439
9.999217	10	4	4	514131.4	1087439	678017.1	843284.6	622353.5	2176447	523235.2	1154319	513168.1
28.41833	8	4	4	387492	3543412	1977335	2858023	1659108	2270779	4558705	808353.2	4321550
42.323	6	3	2	301612.2	2250977	1216960	2625704	686607.8	705988.5	2521014	1673955	4018451
9.992233	7	3	4	368470.9	818491.6	472630.3	970580.4	319201.4	980709.8	130500.2	1430185	865005
40.53917	8	2	4	401347.8	6029968	890780.2	6592589	1887025	6219755	6377423	6852733	4508697
10.95055	10	5	5	1947490	5092221	1590403	5977300	2890510	6484566	7066684	4484791	3484129
10.008	8	5	3	269935	630496.7	162608.8	556310.1	226351.9	611716	638079.3	892854.5	554836.8
24.609	10	5	5	15469554	1.26E+08	17153613	1.32E+08	16072936	1.51E+08	1.35E+08	1.15E+08	1.08E+08
9.992233	15	5	5	1266424	1277250	998830.6	1632996	896316.7	673608.2	3047172	922793.9	732638.7
9.976317	10	5	5	749885.5	3231728	701574	2917440	951113.1	3508644	4238746	2929217	2350538
8.963	5	3	2	276426.1	1048310	672617.7	1313610	741275.3	1474934	1789348	1201810	689570
12.60128	6	3	3	97012.17	393222.9	168341.6	453477.6	152796	600794.3	440409.6	154936.1	310398.7
8.963	3	3	0	195861.8	271841.7	227703.8	172931	294622.3	186478.4	641254.1	287016.8	218784.7
10.52875	7	4	3	205420.3	334769.1	109193.2	396579.3	202852.9	165534	393989.4	419941.8	410365
10.00998	7	4	3	944940.7	998314.9	509461	1284884	939105.7	1086824	1762132	1078444	478262.8

9.4925	13	5	5	1205981	8194485	4050358	9985859	5389409	8648800	1831057	7203076	11389319
9.498117	6	3	3	8895634	7530182	3038234	13238349	20509498	5940108	6633955	12943803	6063581
9.445217	14	5	5	93054280	6.22E+08	1.34E+08	7.42E+08	4.2E+08	5.25E+08	6.74E+08	8.34E+08	5.35E+08
9.960467	10	5	5	3318264	8128920	1614219	9240103	3782808	9855110	8893459	8965731	7022846
10.94443	10	5	5	1366573	6401028	2005049	5755540	1363623	8871082	7523200	4465194	4230970
26.83917	5	4	1	129116.1	454266.1	295442.4	564752.1	294932.5	136308.8	550086.2	169655.3	586259.9
9.8374	6	3	3	941142.4	2744316	978831.8	2218762	1703532	3199449	3251498	1917895	1519679
28.41833	9	5	4	1392471	14729383	8372457	11918859	6488624	7193986	17982958	4797090	19252524
9.880683	10	5	5	4887644	17900006	2981670	16402323	4759353	15651661	17277831	21145127	20836670
10.9645	10	5	5	457503.3	1808296	451907.3	1646291	413350.9	2242214	2304971	1504278	1279156
10.38125	10	5	5	11080735	50158480	3803976	47874428	7610865	50111622	56717568	48038565	47363635
9.960467	8	4	4	1890068	3418573	1299160	2918290	1376085	5026003	4510711	2923740	2703111
9.507167	9	3	5	19845612	1.46E+08	71618606	1.17E+08	81580971	1.86E+08	46597411	1E+08	1.7E+08
9.932567	11	5	5	2735185	10287312	5654429	8367489	4541377	11689350	742902.3	10114046	14110563
9.856867	7	2	5	633477.1	1775415	764894.5	2005767	392431	2496159	478960.8	1848896	1961445
10.97242	10	5	5	493099.8	1818915	556745.4	1598740	620393.3	2656453	2120513	1369079	1535544
19.068	8	5	3	237821.2	1515673	360016.3	1677022	491015.7	2031823	1104829	1327392	1408247
36.35283	8	5	3	121066.9	497037.6	256544.9	602578.5	306064.2	839436.5	312658.7	192475.7	504988.5
9.8207	5	2	3	1432145	2056326	697984.3	2792139	2608963	2747343	2737296	1107311	1751507
9.960467	10	5	5	4341253	16445718	3073125	15090557	4095534	18348698	20412074	15222463	12371437
10.95055	10	5	5	712406.4	1600402	491538.7	1907607	1034453	2150555	2125305	1286750	1218692
10.9645	10	5	5	424564.9	1953086	368501.7	1790217	492967.6	2236696	2285834	1499268	1614078
9.8445	10	5	5	1594129	5489816	1642409	4844384	1813251	6987149	6826473	3380142	4115648
24.609	10	5	5	439630.8	1519397	590568	1746244	625714.6	2332328	1904986	1270554	853928.2
22.79933	7	4	3	129145.2	500677.4	197167.5	422097.5	223311	647806.8	424350.7	186892.8	617356
28.41833	10	5	5	192580.7	820458.1	314929.3	949709.5	375056.5	854352.1	881999.4	566400.6	503120.6
9.856867	10	5	5	2302883	13059978	1522742	11815778	4341488	13237317	12111155	11643345	12750028
9.845483	7	4	3	493044.9	1763529	633898.1	1570074	353030	2048893	908816.5	1871864	2575989
9.431017	14	5	5	17139976	1.42E+08	33495484	1.28E+08	42440599	1.22E+08	1.59E+08	1.93E+08	1.21E+08
9.928667	9	5	4	1836300	2479528	391377.1	2998217	1859257	3102614	2539187	2399107	2306903
9.880683	10	5	5	2111864	7679778	3936033	9052996	3411037	7096040	5637077	5889183	14605006
9.960467	8	4	4	1786708	3512242	1284356	3033924	1283741	4931224	4663395	3248767	2873626
10.22043	12	5	5	4136958	12208622	3216944	13686131	4563310	14021623	16487299	12328548	8605599
9.992233	5	3	2	261068.3	474815.3	261282.6	563375.9	210721.9	807923	607927.6	459933.4	103680.8
10.95835	10	5	5	267194.1	560060.5	64632.76	727976.4	609007.6	638549.6	604296	554861.4	530099.7

9.5812	8	3	4	4492843	17805532	15591294	12243556	14245712	2027678	12744590	34086910	34615788
11.52297	10	5	5	836556.3	4411284	971675.3	4015355	1145645	5787109	4241639	3350553	3738887
9.999217	9	5	4	359440.3	1116186	175655.6	1010290	355122.9	1046410	1288206	1081456	875698.7
6.779883	13	5	5	3013405	1.33E+08	59844600	1.09E+08	64375748	82049701	54616377	1.7E+08	1.87E+08
9.94455	10	5	5	12344055	50213124	9208003	47148805	7078247	61993776	57478716	47233206	39985267
10.95055	10	5	5	3266996	17256510	5371089	15567952	3427713	23141987	21482486	12203400	11222389
9.43325	7	3	3	10143820	13530693	5961686	20875366	26310003	21979923	15439934	13102099	11536204
9.842	9	5	4	740281.3	2669906	677542.2	2428348	620042.7	2301122	2016199	2249408	3557219
10.9645	8	4	4	156902.8	478187.6	149229.2	534779.9	155099.6	548266	686284	294112.5	395421.3
10.9645	11	5	5	3865369	15158731	3958008	13869663	2861024	18156961	17465580	8445036	14793797
18.0495	10	5	5	221526.9	1377425	178241.3	1271960	352905.3	1691239	1313205	1311696	1245161
9.8445	7	2	3	2271630	6314928	4135375	5037754	2464552	1450185	7623378	10606484	2458760
9.986767	10	5	5	467765.3	1773177	585853.3	1563909	539137.7	2179059	2429292	1907179	1324356
9.960467	9	5	4	768916.7	1745246	507410.6	1472110	894184.1	2280509	2281856	1603972	1314872
10.99268	6	2	4	1388975	3327277	1774505	2740432	1346023	1727891	6133744	2017101	2910153
9.9677	10	5	5	1109496	3687178	803710.9	3323117	1121796	4246831	4747330	3452626	2737459
36.35283	6	4	2	120389.3	600760.2	321046	705877.9	236448.4	845601.2	386131.7	403381.5	1040250
9.445217	9	5	4	544740.1	4232232	685368.5	3669963	1970281	3805263	4646962	5213897	3534144
9.856867	7	4	3	1253418	2043286	889353.9	2441584	1221654	1729544	2043921	3563644	1551799
10.03947	5	3	2	650975.8	840372	661328.1	1101050	739972.1	390973.2	195510.8	509147	1498796
16.72417	10	5	5	254152	935344	298503	1074039	432524.1	1209870	477394.5	835292.2	974260.4
9.445217	14	5	5	2365331	18919881	3848198	17389036	4379390	15485619	21368154	23182179	14289065
10.89355	5	1	4	142831.3	297963.1	139139.7	353706.1	160291	319996.9	435653.8	122694.3	189212.3
9.992233	10	5	5	1415528	2838732	1179535	3366129	1617696	3596781	4287335	3021795	1684114
9.133667	10	5	5	1859654	3556367	2956130	2614035	2003141	1754120	2158489	1519012	3737252
10.9645	10	5	5	677820.3	2713540	612522.3	2954767	685160	3387218	3363558	2312349	2114620
10.10048	10	5	5	829096.8	3031912	953982.1	2735186	591033.2	2436385	4172751	3497023	3319593
11.52297	10	5	5	5351858	28019700	4879105	30636482	8582377	34990257	31335362	24098796	24772729
9.976317	8	4	4	508676.4	1074544	422167.9	897678	524672.3	1214866	1678216	706530.1	638887.4
9.507167	5	3	2	1463927	687816.6	480142.4	1321747	2284380	1205320	1082477	562955.7	588329.5
9.790617	7	3	4	1321412	2168695	910809.3	2455807	595428.7	2290601	2347101	3394129	1956258
9.872883	10	5	5	2149794	10020516	1856059	9427773	1270803	7318294	9147741	10986544	12155517
8.042883	5	3	1	7199369	1.4E+08	84955907	1.64E+08	9051386	290072.6	1.77E+08	1.89E+08	2.12E+08
21.0655	10	5	5	136809.9	557599	167766.8	505866.9	100970.8	431143.9	827464.9	585984.1	535738.7
10.00998	7	5	2	427045.9	703136.9	154573.5	531780.7	614367.1	851784.7	786465.3	801917.7	505553.7

9.999217	10	5	5	3817488	10165460	2618984	8699864	4868163	12319228	13167242	9309963	6635255
33.68667	10	5	5	315384.7	2157337	586594.8	1967524	420998.9	2854558	2000197	1263996	2384508
10.43932	5	3	2	181342.7	607639.6	147156.3	543024.4	197261.4	496621.6	729466.4	756444.7	416990.6
9.999217	7	4	3	357449	785654.9	127248.7	861719.5	256636.4	764184.2	701755.5	985317.2	819002.2
9.989483	7	3	4	233422.5	561267.1	267527	458862.6	285930	959845	649729.4	433362.3	242516.1
9.9677	10	5	5	1694340	6621507	1098332	6153490	1408085	7694367	7761487	6391110	5208014
9.37735	5	2	3	1802898	1883486	1032146	3116794	4442112	2610736	3340898	1223042	1194038
9.9677	9	4	5	961182.6	1929105	1402290	1515609	674791	4424235	1539333	1228208	1299544
10.97242	10	5	5	538868.9	2531149	950004.8	2196021	860642	3432735	1665766	1966668	1903629
41.086	6	3	3	315059.4	4906505	1375682	5342909	931148.8	6472367	5596364	4032623	3006502
9.245983	4	1	3	309940.9	1089613	928144.3	1396671	716549.2	404051.4	2623064	1306015	632150.5
10.9645	10	5	5	402449.2	1526182	463256.7	1348882	496189	2040452	1992604	1161599	1054285
8.73905	3	3	0	121885.5	181348.1	161674.1	120713.3	166716.4	120916.5	371957.6	333602.7	67559.12
10.01477	9	5	4	313542	706041.7	137195.4	809746.1	362856.8	725896.2	921411.7	677791	658656.2
9.416767	5	1	4	362329.5	547572.6	361987.7	691913.9	417378.9	856487.9	0	797716.8	723815
11	10	5	5	282564.4	1572849	113128.7	1426137	530725.4	1411472	1666344	1617767	1500286
29.84833	10	5	5	468539	3883084	530776.2	4135293	800160.3	3888885	3904511	3220476	3708078
7.375417	11	5	4	232239.4	8484397	3156385	10205222	5700753	10796780	4646030	5440070	10941436
10.44062	4	1	3	172830.3	310680.6	92585.13	264998.1	146971	255628.5	185207.2	320552.6	375331.4
9.9677	3	0	3	409517.1	617839.1	402818.1	767140.5	406482.9	359309.4	67831.94	1082606	837717.8
9.999217	10	5	5	911980.3	3398377	784893.6	3008702	1256659	3794108	4386685	3442226	2291037
9.992233	10	5	5	1100676	1885109	546049.2	2267231	1326340	1458704	1494403	2773855	2030634
9.994767	10	5	5	536094	1452656	618503.2	1684489	638788.4	1854176	2234334	1433465	670498.4
10.96997	3	3	0	326193.3	726513.5	268502.5	633804.1	232674.9	829599.5	1094442	456097.3	469479
9.932033	10	5	5	1835885	4808019	1142142	4395578	1094698	6426320	5284095	4887287	3677812
9.4468	10	5	5	1911471	6659989	2281700	9899846	11771016	8829749	8220289	7823168	3790676
3.62175	4	1	3	752308.7	3261982	6685557	1390011	1988584	12260.69	15217642	303782.3	485525.5
24.25667	9	4	5	203583.3	915295.1	222127.7	708181.1	739422.4	734640	1226514	784747.2	1074703
9.964417	8	5	3	2564712	4117647	2550955	4892269	1465553	5029146	5176721	1479380	1545152
9.956417	6	4	2	1194016	2169376	1081298	2651623	1493232	2295754	2031850	1678641	3882367
9.365833	6	3	3	487993.1	2290337	1021503	2602845	606949	2075439	1618641	3315655	1077382
9.960467	6	3	3	1232778	1846563	996966.3	1499445	883906.1	2542894	3112622	1826690	896538.2
9.4925	11	5	5	1205397	7692562	3689433	9467087	5677323	7060374	2063459	7299147	10841208
9.8322	10	5	4	1070405	2746011	1186134	3955714	4346391	2455991	2937505	1629149	2026886
9.507167	7	4	3	7087250	17519217	18662701	25405545	23782905	50024452	2240678	10781529	11100938



9.40325	10	5	5	1922492	5376886	226096	5014100	1324233	5206002	5202294	5230271	5589620
20.37517	5	2	3	425374.8	2306216	401705.4	3084987	2851960	2862763	2202891	1776107	2201345
9.859983	7	4	3	1368347	4099686	1888138	3440012	1691958	3175238	4838261	1667638	4082274
9.983433	9	5	4	509625.5	1499353	397793.3	1337789	476189.3	2089964	1511671	1627148	1115632
9.886433	5	2	3	51166572	2.36E+08	2.25E+08	1.59E+08	1.91E+08	7127554	2.65E+08	4333378	4.89E+08
9.903567	7	3	4	2242836	5795181	2349686	7156429	4596327	7927310	3344840	8419505	3645179
9.928667	5	4	1	674467.6	1329827	162594.6	1200927	455574.5	1358823	1499883	1432965	1079507
7.333667	10	5	5	458513.3	3679179	342344.6	3525219	480530.2	3424697	4097376	3450727	3415858
9.979667	4	1	3	1186069	983395.4	341961.5	1481666	1817443	1329950	885492.7	1323149	531835
10.96997	6	4	2	242301	632517	123201.9	680126.5	135604.7	622097.1	464860.6	620972.2	642515.4
43.819	7	4	1	394885.7	5046388	1341899	4681262	154359.8	7133964	3422065	5110885	4605103
10.94208	7	3	4	333298.9	993175.4	258346.3	833606	546130.5	633910.1	962449.7	886178.1	1209979
9.744917	7	3	4	2615051	1626139	760148.2	2734125	4042689	2614910	1724655	871591.9	868486.6
9.992233	10	5	5	1353899	3228395	443080	2882065	1223211	3798038	2877740	3604545	3028922
20.18783	6	3	3	58051.89	298784.2	116387.1	266035	39593.97	431228.8	406541.8	170337.2	276724.9
11	8	3	4	578826.4	2056053	660041.2	1805483	705719	1985124	3183739	1456609	1859100
8.93965	9	5	4	1740329	12867883	6111286	10827917	4933082	19662752	17757086	13107031	4884150
9.856867	9	4	5	766365.6	2361227	1146802	1987764	864544.3	1994719	1407008	1691936	2410792
10.94443	8	4	4	206809.2	626766.6	280242.1	792380.5	563698.2	439457.1	831197.8	997111.4	544937.8
9.365833	7	4	2	1506222	3924625	2485778	5105372	3783989	3459245	3054309	3029273	1842345
44.68183	9	3	3	334215.8	3176229	1416659	3575699	506817.7	4702907	3376416	3416522	3546216
13.46417	7	4	3	55438.59	289954	101070.6	255767.8	84687.07	380509.3	378649.9	326737.3	189193.8
9.9677	10	5	5	1003937	3353739	473992.7	2968966	1368489	3783194	2638232	3109935	3653873
9.896717	10	5	5	2222878	10110486	1319087	9303153	2768859	9197406	8426076	11723630	10920706
10.99268	10	5	5	1097166	7439728	317526	8066044	2306263	7925828	7168081	7516443	7144259
9.999217	10	5	5	417682.7	1781002	478694.1	1564316	682142.3	2153801	2256488	1693009	1043951
15.97982	10	5	5	1007012	6637366	3983739	5394276	2628997	2367994	7789075	12333058	3328117
10.9645	8	3	5	202515.7	566091.8	258593.6	660537	257617.4	919024.5	759808.6	369906.9	443269.5
30.32367	5	3	2	175687.8	657136.4	488676.2	830862.8	460642.4	1147242	224009.2	420921.9	269494
33.9175	10	5	5	347600	1851760	289196.3	2053840	708312.1	1543684	2303334	1676747	1915383
7.11425	5	2	3	202555.9	14714803	2136766	13675846	3369171	15365605	16551039	14714155	15856633
9.681483	8	5	2	374075.6	1141742	635459.3	951811.1	351725.8	1852490	1588155	657636.6	330910.9
9.8322	5	3	2	439911	1275967	434012.9	1415821	320051.8	1767674	634414.3	1078424	1468907
10.9645	10	5	5	719151.8	3067056	254330.2	2876823	672696.2	3282144	2947067	3189325	3240775
9.174917	4	3	1	220868.5	532680.2	210719.7	400849.4	455098	836719.4	413549.7	510483.5	620511.9

10.9645	10	5	5	920606.3	4555537	988359.2	4255454	590580.2	5380990	5656889	3706999	3419863
43.628	12	3	3	257824.6	4403533	1804083	3718637	1944239	3459053	7400899	3716078	4652968
9.976317	8	4	4	454849.2	1203356	228777	1065531	472942.4	1541502	1256420	1089562	921874.2
9.848417	10	5	5	5310990	25775626	3324722	24326105	4500782	28437623	29198995	21634364	23018973
9.856867	10	5	5	8036084	33243927	9939550	28102992	17029556	32997005	35731432	19353438	31065002
11.13662	9	5	4	143485.8	360599.9	65191.06	392868.3	105489.7	282468.1	375094.2	457076.1	364649.9
9.017783	4	3	1	351277.8	811756.5	359213.3	693217.7	284929.9	868328.4	1373216	818293.6	463325.7
9.089733	5	4	1	431331.7	621879.6	416437.3	769973	395032	791307	1037710	868942.1	411438.8
10.9645	10	5	5	1208993	5706978	1339350	5257554	1110353	6858735	7095780	4478296	4170714
28.33167	10	5	5	289196.7	1961717	333464.6	1855480	238984	2194955	2416506	1708881	1632452
18.8635	11	5	5	1872777	8142860	2199268	7219556	2816705	6437771	11344506	8659708	5740588
9.960467	10	5	5	2372756	8742930	1933919	7836037	2913284	9844928	11199412	7589853	6219453
15.18045	5	3	2	225916.5	526927.1	204617	839498.4	1150897	820010.1	300503.2	487812.1	393996
11.00657	8	4	3	1967611	3392018	2876466	4504901	3218175	2190788	1859556	1585297	8466945
9.94455	5	4	1	798647.4	1682738	213069.4	1479001	737164.7	1945914	1828886	1641806	1602081
9.419733	6	2	3	750932.2	4249436	1808635	3692978	1150524	7271302	2642162	3094174	4093417
9.864767	10	5	5	1334523	5655700	520871.4	6300426	2360812	6367206	5998642	5324750	5506233
9.845483	10	5	5	1581433	7654362	1201617	7135119	1609500	9145292	8373276	6095987	6884170
9.992233	9	5	4	375953.7	904560.2	107622.4	1062364	580863.9	939788.9	899992.6	725326.7	1009724
41.47433	7	4	3	324958.7	5107838	1399988	4699673	689469.4	3049534	5041019	6915679	5640752
43.4595	10	3	4	396262	6684349	687895.6	5843669	3079216	7325796	6518559	5932757	6170052
10.28787	4	3	1	270600.8	405736.3	292396.4	326414.9	52656.79	847728.4	542561.6	305432.7	125516.3
21.5735	8	4	4	107624.7	471807.1	406386.5	659714	601649.7	533709.4	255103.4	1154542	254337.3
41.63267	9	5	4	709455.1	10657339	1020616	10283232	1035518	12035971	11166285	10355862	10437973
9.972483	10	4	5	580398.3	1676467	722550.1	1420773	682187.9	2577986	1289021	2125093	1675120
8.79615	4	3	1	132756.8	209506.6	101532.3	278877	243845.3	332304	275972.4	186395.7	187261.9
9.56645	3	0	3	137784.2	180723.1	89836.58	217011.2	108545.9	163076.3	71116.18	156307.4	319245.2
41.35917	6	2	4	398329.3	5163948	2700705	5930205	1103382	5494246	5293520	8119691	6146841
9.379233	5	3	2	596153.3	986612.8	243007.7	808516.3	631849.9	1124036	599836	1128055	895825.3
9.976317	5	3	2	1612614	2038717	1497518	2690776	2035566	1004278	1300582	935456.4	4477368
10.008	8	4	4	878626.9	1014915	583893.5	1301209	937876.5	1246200	1788962	1177980	461721.1
9.853633	10	5	5	6998997	32794146	5113956	35256268	8015738	30223725	34392826	25821016	39529035
9.915583	5	2	3	1052557	2377923	563194.9	2094021	938455.9	3087773	1963352	2658006	2507995
23.11783	10	5	5	1442962	13843865	1927195	12814919	3456823	10698456	15282201	14843890	13290773
8.9536	4	4	0	219275.4	699442.2	402092.6	553960.2	398464.4	663565.6	1383628	639599.5	388050

8.97505	7	4	3	141777.3	375992.9	134362.5	324727.7	147395.1	526033.8	460178.4	255980.4	423021.3
9.960467	10	5	5	1587582	3336759	696355	3877325	1930814	4016737	3805446	3658303	2793305
30.09567	10	5	5	1146155	4834735	1025489	5661691	2964867	3618979	5271644	5553783	3859961
9.992233	17	5	5	927661.9	3053994	919133.3	2692764	1063255	3913547	4160442	2684606	2205029
9.999217	3	0	3	1121374	1866257	1131420	1429154	1270440	3238196	134775.2	2344652	1760593
16.30165	9	5	4	198474.4	784329.2	392610.5	663188.4	255748.8	999566.7	1357916	646172.3	386634.9
9.983433	10	5	5	998925.1	2505989	1345344	3025128	1508380	3738552	4043329	2306040	1134800
19.95433	5	3	2	199377.9	471856.5	376763.8	349139.7	292285.2	189932.1	708380.6	1023147	203175
44.26467	3	3	0	376040.3	5111321	2111914	4545410	140951.7	4035433	4662739	3421765	4661350
9.999217	10	5	5	680766.4	1707616	618721.2	1953826	732195.3	2566800	2140052	1104975	1415778
10.9645	10	5	5	2871970	11433724	2503981	12627217	3883791	14243874	14085787	9577625	9312732
9.874317	5	2	3	662529.5	2151876	1038984	1749940	1173014	1128407	3425436	2855010	2266782
43.41617	8	3	4	323641.2	4206350	605013.4	4595314	1360943	5238292	4058590	3664584	4147599
9.4468	9	5	4	424310.6	2052514	832755	1715061	1017364	2669923	3163575	1594165	1151381
9.992233	6	4	2	599363.3	1039646	287996.3	804803.7	845164.5	1354720	851125.8	1267263	1065575
9.856867	10	5	5	4343901	15875204	2653236	17877380	7153520	18648013	18688433	12933461	14102544
42.22267	5	3	1	313443.3	2632332	1319249	2278877	126906.8	2341422	4132299	2374947	3589684
9.445217	14	5	5	743012.8	6614760	2032281	5970855	1462016	9024242	7478949	7588458	4485484
43.58883	5	1	4	388701.2	6952708	244243	8139080	4438209	6834006	6962261	7365352	6737292
10.95055	8	4	4	172258.5	758690	234865.5	673689.6	234552.8	1118397	877915.1	617591.1	583909.1
10.97242	7	4	3	263168.3	826840.5	162584.8	898467.9	226160.6	776899.5	941369.4	652302.7	718083.2
9.992233	10	5	5	597171.9	1151843	318457.3	1376643	798596.6	1441316	1361411	1340599	861731.9
9.37735	10	5	4	3530140	35528614	12714243	31706719	7577384	49352937	40359446	43623653	24256244
9.874317	6	4	2	973943.1	2721939	1038601	2260474	1465150	2064378	1399818	2838404	3214785
10.474	3	0	3	299693.7	290729.9	84972.4	450953.9	596778.2	228228.3	432812.9	282724.3	222066.7
9.960467	10	5	5	1620091	2205670	466167.2	2750731	2007367	2521584	2138313	2819622	1863888
22.71267	5	3	2	105159.9	166978.6	91871.6	134746.5	86241.45	37519.53	294583.5	166372.2	187123.3
9.912633	8	4	3	636277.8	2499291	607347.5	2239718	809427.4	1987328	2509444	2654636	3423896
9.983467	6	3	3	690470.1	770865.9	230440.6	1120782	1299100	699011.8	735539.8	1025266	952641.9
9.845483	9	5	4	1221578	4717968	1074054	4249985	1473685	4106849	4253412	3576554	6190190
21.64233	8	4	4	281786	1556692	617349.5	1307912	750415.8	850237.9	1790217	1205799	1464420
31.307	10	5	5	1890746	11983768	2006255	10817356	4023698	9671773	14759229	10570015	11910502
10.05535	5	3	2	490428.5	430772.1	180514.6	668191.6	878571.2	500264.2	132109	615648.4	476930
10.97242	6	3	3	275759.7	722475.7	151862.6	633574.1	307330.7	707379.8	973989.9	713567.1	646151.3
10.9645	7	3	4	209916.1	765931.2	326869.6	656309.6	278144.3	1135344	980012.9	275497	729951.7

10.97857	7	3	4	1690216	2557779	2739836	1808061	795470.2	1476064	7263284	971790	2569225
10.9645	9	5	4	161709	776533.5	359566.8	649907.7	342139.1	1010593	659400.8	335650	620866.6
9.447733	13	5	5	1429511	11756229	1879793	10832350	3061283	12716900	11399975	14412429	10723193
10.9645	10	5	5	1197081	5755911	1356182	5307600	1114554	6997630	7204226	4557896	4245330
10.95055	10	5	5	954116.7	5691106	1357079	5222759	1236760	7252545	6736958	4265544	4357180
9.419733	6	3	3	907293.3	5099252	2227414	4198711	2734196	4558896	4586824	7378446	7069086
9.859983	6	3	3	909184.6	2082655	849750.3	1754622	965239	2392062	771312	2949254	2545796
9.41815	8	4	3	849739.3	3971248	2032354	3299606	1671110	3909685	1933007	1981273	6158431
9.93625	10	5	5	15933654	61703118	9490977	58655539	7216888	76703027	64675074	54980238	53077143
10.95055	6	3	3	934320.2	2560213	898290.1	2257434	776525	3480022	3450662	1577704	1771609
9.994767	7	3	3	984373.6	1032709	867997.5	1442337	1340276	2502287	292193.3	497847.8	916604.9
44.22167	3	3	0	93849.13	171183	51766.79	192098.9	63550.65	144995.6	147478.9	177675.7	258027.1
9.8322	4	3	1	576201.9	1077650	386287.8	1196684	257847.4	1498656	1313672	833660.9	540155.6
10.9645	10	5	5	950209.8	4569670	978800.7	4279111	562601.8	5370670	5689427	3678480	3501477
10.01477	7	5	2	409893.3	661069.5	203011.5	823686.4	588329	709435.6	752861.9	912849.2	548433.3
10.00385	13	5	5	20008186	84031125	53854078	65827101	46944102	92957550	2056691	64299309	1.23E+08
9.986767	10	5	5	1172783	2412075	1011974	2892551	1577268	3255421	3329125	2828737	1304141
10.94443	10	5	5	1379415	6469822	2092192	5834490	1326341	8810415	8014206	4436788	4165899
9.071517	10	5	5	706685.5	1763262	598837.5	2337215	2104978	2438400	2325504	1619925	1363698
10.00998	7	3	4	1176579	1512212	1048960	1217169	436395.4	882079.5	1218876	3168633	472750.5
8.600883	10	5	5	1547412	31634414	13155082	35881508	10211442	52202119	24492823	36476030	18765868
9.887133	9	4	5	3493739	6728899	2914984	9198301	8986258	5769857	3606862	9868200	9751548
10.01477	10	5	5	723260.7	2416162	762733.7	2134756	801614.1	2832921	2861053	1440102	1767606
10.9645	8	5	3	849071.3	2694923	1123382	3078395	1006314	3259574	2845499	3103063	735225.9
10.97857	10	5	5	1637214	7509617	1890937	8623883	3882346	9473150	8917058	5964239	5111622
9.960467	8	4	4	730579	1162028	326661.4	1339772	608896.7	1278875	1359478	1146997	606695.2
43.81883	6	1	4	282346.9	4253417	460892	3676265	2146367	3575052	4028347	4671282	4648436
25.97967	9	5	4	2609274	11424604	4615044	14300067	10119448	19497510	9189792	8027698	9699205
10.95055	7	4	3	312890.8	1251588	515668.7	1089378	372905.9	2133634	1211763	950522.3	827713.2
40.40983	7	2	4	356297.3	3447328	1549581	4026554	1674986	720704.8	3770594	4036783	4162897
11.22177	12	5	5	3445091	16142267	2557630	15071924	3338963	18480834	19119730	14243234	13341192
10.57323	7	5	2	170852.8	401483.7	79527.35	378465.6	40938.41	356440.9	410436.4	479966.6	470096.2
9.933967	9	5	4	1479506	4640873	1701652	4023320	1742015	6591401	5364316	3878525	2128426
40.122	5	3	2	550361.1	5296927	1845542	5792285	393899.7	5725849	6172321	2081856	6758092
9.43325	8	4	4	1705131	5380178	5440821	7144898	4324807	2952029	2733249	858380.9	14595138

9.516467	10	5	5	1157722	2523403	623026.5	2167809	1234970	2947301	2992129	2841904	2316838
10.95835	8	3	5	311801	845449.1	244013.3	978757.8	458585.7	874442.5	1227070	655745.3	860107.8
9.992233	9	5	4	858154.1	2588765	641695.4	2292238	970132.1	3174874	3241517	2620187	1766960
10.01477	10	5	5	618035.3	2071851	362639.2	1835218	841265.4	2110256	2481348	2051808	1493962
44.22167	7	2	5	254193.2	3339234	1108841	3761107	1241849	3999023	1453110	3863812	4139507
9.842	5	2	3	1053101	3464575	715324.3	3120345	1143337	4154381	3181922	4174046	3333027
9.445217	7	3	4	4230664	13194987	13589830	8910839	9976081	4070517	1692970	28892685	27161932
9.848417	10	5	5	1059853	2947376	498118.8	3249996	1064996	2538174	3566626	3342890	2418998
9.992233	10	5	5	12173424	40902853	12152368	47507759	22728718	52316824	51953279	43143594	32301068
20.46733	10	5	5	446001.3	1976042	792160.5	1693162	788996.4	924269.6	2044244	1738083	2040679
11.06158	7	4	3	1814084	3859124	2831260	5156036	4236874	3816251	4954911	7880253	2275809
9.43325	8	3	4	1326035	6819005	3514418	5670741	2861227	6844897	2369590	9833726	10647959
9.999	12	5	5	1444278	1931137	582064.2	2093163	232483.7	1945422	2561190	2040428	2129691
26.0825	5	2	3	102593.1	447905.6	281887.5	553160.3	306016.5	326104.9	860751.7	109928.6	378540.4
10.95055	10	5	5	3273534	17388525	5372955	15768922	3394340	23332228	21587571	12334764	11378084
10.95055	10	5	5	749380.6	3403984	830084.4	3841335	1494528	3867061	4608670	2989282	2519197
9.94455	6	4	2	1071614	8954069	3338090	7871872	2665401	4838065	8057948	8501606	14104139
10.96997	8	4	4	244656.1	764882.2	377266.4	896001	355795.8	924343.7	551997.7	465492.2	524935.9
11.60778	10	5	5	343065.2	1861383	720593.8	1604854	714560.4	672654	1781923	2069748	2229119
9.66805	5	3	2	423271.6	1506720	1134415	1095910	1163721	2637140	1146993	608535.6	361027.5
9.4632	14	5	5	12030651	1.14E+08	33784126	1.01E+08	39550032	1.57E+08	1.16E+08	1.35E+08	78725556
9.4925	9	4	4	1012841	8791029	3558248	7584150	3180525	6648207	4247331	10775153	8860277
10.95835	10	5	5	311606	1250722	517094.2	1106417	212809.8	1866378	1343872	952566.9	541103.3
10.03947	6	3	3	285295.1	576419.9	367382.1	694016.4	283706.8	764049.8	93839.56	590276.8	376312.2
8.271783	8	5	3	1457828	24170782	9872530	35606333	42647409	26022703	10721688	35971525	18312200
9.3494	8	3	3	651014	1944707	941112.8	2336914	1229190	1227019	1777455	3206860	938925.9
9.992233	9	5	4	1761146	3278027	1342721	3851531	1820269	4294499	5009809	2941163	1790874
9.960467	9	4	5	1066962	1947613	1003715	2324887	1105558	2631619	3232453	1814887	707207.8
9.859983	10	5	5	3032568	7958355	775879.1	9324512	5150242	8117447	7569620	7115168	9182186
14.94357	8	4	4	45860.45	152303.1	42240.42	165509.1	30461.19	219892.7	125723.1	122192	168020.9
10.9645	10	5	5	5417315	24557501	5400144	22683724	5090242	30141030	30036837	19404281	19212107
24.1465	8	4	3	35616664	39412634	87422007	72946413	99883442	1.96E+08	154322.5	378962.8	397046.7
9.960467	10	5	5	1388766	2269689	361902.4	2807247	2021085	2670547	2368839	2393963	2225004
8.8977	6	4	2	446852.4	979608.8	568716.2	763453.2	639500.1	716823	1907934	1109511	460085.8
7.559717	10	5	5	2921921	1.8E+08	89286833	1.45E+08	1.08E+08	2.69E+08	2.47E+08	1.11E+08	2.11E+08

9.445217	7	3	3	645267.4	2600934	656245.6	2222501	1323866	2041686	2269419	2927721	3602001
10.93618	7	3	4	148605.3	374568.4	131253	435794	202182.6	586649.4	280396.5	383107.7	252203.9
10.9645	10	5	5	2686780	12072465	2761014	11117415	2589875	14706372	15000246	9123155	9567792
10.9645	10	5	5	251292.7	1022400	233315.1	950306.3	162866.9	1318434	1213957	774744.3	861838.1
9.983433	10	5	5	753663.8	2426095	942868	2076366	1017014	3929163	2618980	2254360	1849016
9.928667	11	3	4	706075.4	2308929	1238828	1874244	1200678	1896566	1241060	3488920	3761153
10.008	10	5	5	1030123	1136171	509197.1	1405316	924939.7	1237579	1951292	1056812	664213.8
10.9645	10	5	5	1536936	7245352	1690480	6685439	1439380	8643019	9133330	5707538	5366292
10.52898	10	5	5	168099.9	857579.9	171121.3	789044.6	210972.1	692278.6	1087957	986052.3	733454.7
24.04183	7	3	4	71334.18	193870.8	91855.24	226994.2	94145.24	58597.32	229152.4	144744.8	286792.9
9.43325	8	5	3	885437.9	5593686	1739527	6162157	1433620	7948110	5457435	6164426	3120532
11.63327	10	5	5	1214156	6214732	1957764	5403819	2545989	8629598	6535433	5853028	3232181
23.14617	6	2	4	87879.3	309168.8	46059.6	284615.8	84629.13	246879.3	344377.6	305593.1	362468
9.43325	6	4	2	689283.6	2572650	444993.6	2189851	1410649	2517224	2227028	3339882	2472809
9.77355	5	3	2	12712506	13260311	15884919	18866124	15609348	2007191	27799206	1735435	33262969
10.008	10	5	5	919625.8	1165396	184150.1	1529642	1380371	1126045	1145007	1437974	1194499
18.666	7	4	3	608456.1	891877.3	1116734	1337746	1371547	432837.9	501981	2883992	363261.2
44.006	9	4	4	308481.3	6663211	3379294	5699206	1678872	8461645	8034122	823479.8	6794903
10.9645	10	5	5	891212.5	3975058	942313.3	3622185	1038365	4875221	4914821	3056716	2970962
9.80755	6	3	3	979356.5	2600300	2007890	3269941	1745782	1159982	3533949	1334192	1249963
9.40325	11	3	5	1609740	7687165	1204840	6583398	4090264	9246017	7879834	7096029	6030698
9.388617	7	4	3	1576629	2197549	797556.8	1805107	1325523	2924365	2561654	964650.7	1848159
9.530583	18	5	5	58810544	1.59E+08	26134089	2.18E+08	2.24E+08	1.6E+08	1.3E+08	1.36E+08	1.89E+08
10.95055	10	5	5	830611.3	4405736	1377893	3986495	923103.6	6020796	5286241	3184898	2791711
10.008	9	5	4	906543.8	2775992	581306.9	2409481	1308528	2831019	3435484	2585774	1905531
9.43325	6	3	2	464157.8	3328260	1551167	2892817	700889.4	3176114	2541875	4374684	5259521
10.94443	8	3	4	1.51E+09	3.92E+09	5.37E+09	2.12E+09	4.71E+09	1.06E+10	21305279	19722314	8.94E+09
10.95055	10	5	5	856716.1	4404351	1334694	3997758	898548.4	5950271	5209409	3166169	2864237
9.830833	6	4	2	2151436	1670540	1272388	2528746	3094106	3942934	1098669	1014466	1216147
9.960467	10	5	4	3094490	7539371	5758028	5714586	4393629	11362938	1652075	926192.2	10887591
32.22933	4	1	3	629346.3	2419910	975383.4	3029424	2173996	1936966	2128378	2008196	4156297
10.008	10	5	5	656206.9	2330979	492313.1	2095520	789008.8	2500551	2964725	2419284	1626511
9.960467	4	3	1	499987.7	794387.2	233590.7	643246.6	541948.2	1122541	866209.3	809142.5	684991.1
9.1172	5	3	2	431740.2	777027	559490.4	613150.6	322826	1614327	954302.1	394120.7	166658.7
44.193	7	1	4	255132.6	2187385	1338694	1615247	1833407	1612989	1688140	1628706	4575945

35.61867	5	3	1	322965.5	5753877	2392510	5125410	259376.8	5295601	3150887	5362374	9693490
10.02372	10	5	5	387124.4	953262	129394.2	1083099	484550.3	1057445	813362.5	922350	1115747
10.6019	10	5	5	410433.6	1423054	314485	1301651	367069.6	1706462	1793893	1280179	1052047
7.3845	3	3	0	699257.8	16396492	10678768	13152798	7151205	17316635	3937335	11051759	16808096
9.94455	10	5	5	16765516	32924945	6859671	37470722	16377433	41405934	36790575	34319791	27633853
9.728817	16	5	5	90680888	6.11E+08	1.23E+08	7.22E+08	4.09E+08	5.45E+08	6.55E+08	8.08E+08	5.2E+08
29.76133	10	5	5	1486572	6318683	1352781	7558267	4606303	4652869	6298489	6765814	5600700
9.8322	9	5	4	733992.2	2233373	690192.6	1957821	852791.1	2781695	2739903	1326884	1651498
10.9645	9	4	5	756809.7	1602213	291440.5	1870555	997901.9	1698147	1948062	1757756	1238964
10.46372	10	5	5	568923.8	1350352	615187.5	1558523	557585.4	2391782	1305094	1270878	873106.3
29.67417	8	3	4	243522.9	1328839	1043557	1023518	604742.4	164267.6	1455694	383269.2	2568388
10.9645	10	5	5	896007.2	4020444	990772.6	3665764	1010918	4878899	5094175	3150872	2890828
10.008	10	5	5	422199.4	1316065	162117.5	1415930	356498.8	1369045	1356056	1516712	1262412
10.9645	10	5	5	13231178	40435303	10789419	45999912	19151452	52253143	51740083	34928943	29107196
10.9645	4	3	1	330620.5	814511.9	172741	728934.4	291212.1	1020021	874172.4	674505.5	600059
10.95835	5	3	2	2336859	4504811	4685968	6036592	3923193	11278032	1977702	1388930	388432.4
9.976317	10	5	5	878781.1	3360334	697506	2990614	1281711	3777214	4034178	2905828	2367969
9.976317	10	5	5	4010191	11590207	3349120	10269653	4065934	14529845	15226222	11690349	7655993
10.9645	10	5	5	277027.3	1694803	375744.2	1559179	390346.6	1856882	2115448	1365077	1236040
9.853633	10	5	5	6222673	30788479	7883825	27918331	8326784	37321536	35643363	18988839	26354728
9.338567	10	5	5	3951334	7532156	4831897	5941163	4122395	5789171	2851341	4377001	9810886
11.52297	6	3	3	126337.9	246270.5	83293.91	285973	133593	263623.4	382544.6	201413.1	170066.3
20.46733	6	3	3	116652.7	741419.1	314451.8	635394.1	283839.3	858510.7	1134201	846418.2	551184.1
11.52297	10	5	5	225156.8	826904.1	195498.1	723197.1	359984.1	1118987	833437.2	568779.5	812776.2
9.842	10	5	5	6756275	26477380	8366760	22980993	11147795	30666674	30427309	14173330	21972075
39.345	4	0	4	346408.8	4306013	114886.3	4401420	353224.7	4432465	4150213	4285166	4257500
10.95835	4	1	3	210968.7	383503.8	101907.5	443610.8	213460.4	339803.2	550595.5	403154.8	335376.7
9.840617	10	5	5	1311615	3300927	1389181	2830329	1269394	4197103	4558648	1670466	1912508
41.60383	4	1	3	268909.8	2947736	740711.9	3676365	2727853	1636896	3149396	3186977	3379863
12.00917	5	2	3	139701.4	654809.1	225484.3	577216.7	213287.2	718023.9	906462.6	288771.4	660974.3
10.9645	10	5	5	257381.9	822105.1	273555	737286.9	198513.7	1142574	1053871	608968	511148.2
9.559117	4	3	1	241515.2	742820.6	737260.9	533701.4	368758.2	712804.4	257273.3	827031.4	0
10.97857	10	5	5	995551.5	3474950	479591.5	2945012	1995299	3544478	3862323	3997007	2903563
10.9645	8	3	5	184177	947142.9	337817.4	844392.6	230372.7	1020956	1053316	365027.6	1048085
9.848417	10	5	5	15914257	80279928	17224712	71363631	30792491	72572721	76432926	65735371	76589457

10.00998	9	5	4	602740.4	912804.8	378045.4	1103173	652574.9	938183.2	1470094	946468.1	418369.2
10.95055	7	3	4	670773.6	1786477	658092.2	2010505	608973.3	2447484	2444376	1127441	1132091
9.915583	10	5	5	75465288	5.03E+08	38376807	5.63E+08	2.29E+08	5.16E+08	4.77E+08	5.61E+08	4.97E+08
30.27883	10	5	5	9654195	77229317	10356307	70497571	24324589	70056714	89420823	77593849	64186035
9.994767	10	5	5	586661.3	1436493	585053.8	1674878	751839.6	1754898	2227058	1406868	724472.2
7.998367	9	4	4	509153.7	15185296	5463745	20800081	21101543	8359396	23586035	13780671	14741563
10.9645	10	5	5	6365207	29813606	5624412	27747071	6073672	35601492	34877276	24659053	23458086
44.9835	5	3	2	193056.1	630744.8	95900.44	596776.5	96631.27	493067.4	741871.6	693199.1	634452.5
9.979667	9	5	4	2111597	3785580	2066756	4339718	624645	6752958	4876021	3333788	1543422
9.960467	7	4	3	1556075	1334698	843261.3	1735181	1351376	1844945	0	2227306	1342546
19.16433	4	3	1	130068	441568.8	243748.4	363448.2	195938.7	114682	664240.5	275997.3	483164.1
20.7695	3	0	3	231281	494785.7	98250.99	592503.7	367156.3	554016.2	545730.9	591627.9	420455.6
9.964417	9	5	4	684528.3	1874326	573281.2	2066671	516515.6	2271609	2587320	1613225	1118310
9.928667	10	5	5	1.82E+08	1.24E+09	84986813	1.39E+09	5.42E+08	1.31E+09	1.19E+09	1.35E+09	1.23E+09
9.992233	5	2	3	565514.3	741890.7	473737.8	964982.1	752221.4	1294784	159930.6	1162313	548192.8
20.274	5	3	2	131047.8	327880.7	185419.8	399737.3	220616.9	194914.8	291333.1	506265.4	531586.7
42.02117	8	5	2	323171.8	5099502	1341562	4574106	1625300	6986854	3435748	5037391	4366042
10.95835	7	3	4	536040	1875918	639488.9	1648888	650281.8	2612753	1239012	1428076	1588288
9.999217	10	4	5	4225473	2888768	4029773	1827396	864719.8	1229890	1423620	1208018	10070795
9.07525	10	5	5	13514216	73740330	24162671	65071652	25090616	79636988	1.11E+08	69155523	63916382
10.9645	10	5	5	3066508	13388411	3619924	12156173	3377824	16312114	17335676	9334377	9994534
9.992233	8	4	4	327879.1	787453.5	209682	881396.6	311383.4	932140.2	809555.8	1008169	717491.9
9.388367	5	3	2	1022785	9487783	1478649	8438052	3851930	9452406	9163584	7515954	9645166
30.295	8	4	4	189817.9	1007425	215452.4	867174.4	509302.7	690580.4	922046.8	1016814	1184470
41.12917	9	4	2	302804.2	4784687	3007700	4002503	326116.5	4090280	5965031	4182894	8962125
10.94443	10	5	5	1343705	6433153	2043144	5823478	1328012	8662613	7989598	4380133	4227232
9.445217	13	5	5	3019055	21547790	9239166	18818362	5784905	30903308	29568867	20800404	18271114
9.77355	5	2	3	432143.8	593972.1	246368.9	686554.7	279455.2	605279.6	466245.7	314849.5	604376
44.27917	6	3	1	433894.6	5737033	3835421	4729761	811252.7	5698027	894023.7	5323744	5129335
11.6196	9	4	5	113549.2	309709.2	88602.81	265260.7	153481.6	306721.7	455287.6	301557.3	265903.8
8.845933	5	3	2	1097104	3887992	4042384	5549862	5311707	1109015	1353159	952710.6	5941820
19.22767	6	3	3	58465.31	243990.7	116772.5	209061.5	76905.44	291542	249805.1	177643.6	95946.53
41.47433	5	1	3	189118.4	2418235	183402	2313740	371926.3	2170913	2377433	2660221	2519056
9.986767	10	5	5	600350.5	1555988	689233.3	1823905	828948.1	1895093	2410440	1773430	771903.5
9.03715	5	3	2	146330.8	328332.7	168904.2	265624.3	187770.3	391487.3	292868.8	51348.7	476160.2



10.9645	10	5	5	510820	2472699	451021.9	2294970	554731.8	2914841	2920555	1913448	2148959
9.507167	6	3	2	427836.6	690513	178751.6	832124.6	526691.4	855775.3	861342.9	711888.8	570794
10.95835	8	4	4	1242185	3700385	500980.3	4052547	1294403	3259451	3647164	4306956	4109163
9.67	7	3	4	390445.1	983518.6	520050.8	830618.1	321497.3	1303091	1709571	393311.3	771405.1
9.63045	8	5	3	477467.2	1754364	877665	2040105	744386.6	2587782	2456991	2079579	657892.6
9.840617	7	4	3	365832.8	1069570	197312.1	929271.2	516532.7	1421600	977333.1	973836.1	1005884
9.473733	8	4	4	567757.6	1419019	143242	1315669	381416.1	1258365	1569229	1572070	1340392
10.9645	10	5	5	8997111	37256927	8310386	34304664	8538113	47226328	43445661	29060437	28821648
9.887133	10	5	5	35963592	1.96E+08	10934284	2.06E+08	37311491	1.99E+08	1.82E+08	1.97E+08	2.11E+08
10.9645	10	5	5	1329717	5938165	1214200	5524730	1144593	7224012	7098946	4763257	4707635
9.433	6	3	2	1035472	3490929	1719860	4276172	2637567	2163614	2197119	5109963	2368305
10.9645	10	5	5	1188169	5693101	1356618	5258256	1109777	6982584	7085249	4367774	4278563
30.29583	9	5	4	222367.6	1311443	486802.1	1491256	538154.1	820911.9	1866302	775111.1	1533844
10.9645	10	5	5	325850	1492231	309838.4	1397144	224127.1	1712725	1846636	1262253	1099086
9.992233	10	5	5	2965281	9335966	2105562	8168413	4144652	10226438	12466378	8798905	6967876
10.97242	9	5	4	797849.9	2666456	604761.7	2366708	1035171	2502796	3520644	2704494	1833305
8.964883	9	4	5	412488.7	664274.3	366936.3	1009020	1300875	407173.1	1228421	843310.4	466033.6
9.976317	10	5	5	847003.1	2479699	803403.6	2130047	1153169	3035823	3541132	2315635	1575924
14.9415	3	3	0	34823.16	110540.3	15956.29	100645.1	35853.4	103007.5	128508.8	121217.1	112270.9
9.864767	9	5	4	520288.9	2227990	267993.9	2034815	713820.8	1914474	2538620	2472186	2150645
10.9645	10	5	5	240970.1	1062349	273146.4	970983.2	248065.8	1176486	1415584	902746.5	1117987
11.26148	5	3	2	55307.09	100962.3	47146.7	73868.21	96913.32	123707.2	59274.65	163787.1	108400.5
44.43733	6	1	3	425672.9	3446980	1198989	2993525	1383665	3026091	2802979	5586740	2942475
9.999217	4	1	3	1128064	1833110	758652.6	1519286	1011261	1970521	521729	1961018	2364246
11.39828	9	5	4	546999.4	5867516	1938995	4924501	3241231	8711694	4462467	7077628	4571998
16.25587	5	3	1	2415095	15866047	5416471	14129265	4449492	15579769	11859569	14109886	25208734
9.523383	15	5	5	14297608	89032149	18723649	1.06E+08	62063397	81184592	93850977	1.2E+08	75890643
9.960467	8	4	4	624759	1986728	611360	1692130	1010008	2387610	2734713	1831247	1131374
9.4468	7	4	3	382639.6	1777593	959710.3	1391747	1226533	2378057	2972079	709150.1	918686.1
9.976317	10	5	5	1514664	4568037	1202078	4087664	1522374	5824206	5721208	4529449	3208777
9.388367	5	3	2	942542.1	3267534	657849.6	2906789	1281441	2233106	3122564	3695628	3347797
9.992233	7	3	4	311219.9	604547.5	305177.3	736468.4	435316.9	839313.2	977229.7	593293.1	288071.1
9.952017	6	4	2	642896.3	1363927	722349.6	1088742	847166.8	1831338	89343.43	1653672	1737319
9.445217	14	5	5	64717792	5.89E+08	1.4E+08	5.38E+08	1.48E+08	4.64E+08	7.03E+08	7.71E+08	4.77E+08
43.91967	8	4	2	353759.5	5350587	1328817	4979465	652661.8	6025524	7364304	4316009	4762375

9.856867	10	5	5	13204598	46061068	4589312	51786684	21934242	52756513	46456983	42088793	47552598
9.848417	10	5	5	849116.3	2832959	706779.7	2557132	863355.8	3287011	2894072	2217316	2045287
10.95055	9	5	4	583193.9	1566501	541343.2	1807213	804526.4	2228182	2011040	1350038	1338514
23.01583	3	3	0	116046.6	371323.7	164964.7	449640.8	268028.1	323471.7	588184.2	138091.3	442649.4
10.9645	8	4	4	490911.1	1444194	356994.9	1256079	662893.4	1793746	1511445	1024919	1123499
9.388617	8	4	4	885893.6	1775213	974175.6	1425432	1030600	2570565	2742149	313065.7	1474138
10.94443	10	5	5	406048.1	2169853	614619.9	1958421	597882.3	2817823	2485979	1536620	1486971
9.498117	7	4	2	1058496	3022923	2003112	4280569	4587150	2448333	2365831	6152160	714838.7
9.392767	7	4	3	563748.9	881081.2	548622.1	683191.5	585859.2	1423238	994376.4	0	775473.7
9.970617	6	2	4	2331274	3967787	2801907	2930890	3136589	6248018	1271535	4457557	6987945
9.93625	10	5	5	4474317	16843994	2009906	15828850	3545917	20072201	17255949	16052012	14754863
8.9256	6	4	2	222864.1	551061.3	87282.85	602065.5	183997.8	493654.3	578987.6	429394.4	617357.7
26.81033	8	4	4	183964.8	1382330	955424.7	1092162	679829.2	536540.1	1890977	186977.4	1956060
31.39633	7	3	4	424584	6918923	1208521	6580337	612456.5	6238221	6324579	6400219	6561274
9.999517	5	3	2	1260564	831737.4	610761	1010926	384924.3	1901279	424618.3	455999	678945.3
9.859983	10	5	5	2113027	11588024	1815694	10496601	3958133	12198410	10814539	9368267	11287840
9.976317	11	5	5	1211825	3878780	711686.6	3583632	958989	4231727	4783364	3915348	2882112
9.311883	6	3	3	1929382	12290730	10808295	9180358	6292560	30488958	2851324	7828514	7154343
11.7446	10	5	5	82640.8	334275.6	121896.9	286969.9	148143.7	518553.8	180958.7	292201.6	348167.4
9.659033	10	5	5	882086.6	2757883	300317.5	2529017	855995.8	3042955	2932570	2282348	2659181
17.88017	9	5	4	649518.5	2556117	1902690	2009972	1099510	2346720	1625049	603965.5	5679947
9.976317	10	5	5	830654.1	2199117	589439	2511535	1106769	2661469	2756452	2433522	1462422
9.415167	5	3	2	1732152	5208506	5603038	6815237	3224376	11336733	776938.1	1527553	1059443
9.992233	11	4	5	437715.8	878199.4	178897.9	1141927	1018417	748968.7	1150414	927092.7	872862.4
8.93965	9	5	4	2822883	7808631	4433485	9533149	5418037	7022229	15391317	7175061	3980054
9.447983	12	5	4	1731726	18173805	5414904	16254559	5620154	25192050	18682069	21153323	14281834
9.992233	10	5	5	792378.7	1565637	856378.2	1835468	682911.8	809972.8	2484007	2481644	1247898
9.3494	7	4	2	508970.4	2796282	1396430	2234760	1800452	3851127	805370.5	4019445	3422898
10.29105	10	5	5	605710.2	2203890	458793.1	2391271	606081.4	2293199	2831399	2350522	1620598
20.043	9	4	5	3515359	26879667	2802762	24402636	9385556	30162515	25083469	23051285	28150827
31.28017	4	3	1	150729.8	844560.4	322566.6	738292.8	287640	1236112	1011072	857309.6	748998.8
9.297883	3	3	0	454428.6	757950.4	239599.3	552355.4	777577.6	591643.5	1128801	548631.5	861869.2
10.94443	6	2	4	977345.4	2591970	949992.6	2293776	752526.1	3812262	3134982	1606461	1677593
9.983433	11	5	5	734361.3	2494853	383529.5	2914239	1608889	2779814	2876616	2377270	1906571
41.20117	9	1	3	379659.6	4731409	710480.5	4200279	1990257	4699134	4469521	4444866	5943388

10.9645	8	3	5	850189.9	2392804	763111.4	2085054	992118.7	1851193	2483409	1523557	2605338
11.29373	8	3	5	176732.9	473832.5	127716.7	551049.9	281809	361735.4	321850.1	497316.9	600737.3
10.95835	10	5	5	523792.1	1374110	293729.6	1497227	405171.5	1489209	1029501	1178379	1381330
9.912633	7	4	3	1222030	3082844	919552.9	2580665	1800070	2218954	2104746	4297876	3453282
9.203483	4	1	3	919178.7	922477	580766	1325471	1501111	1221132	1565722	1213372	277059
9.880683	10	5	5	1321071	6715338	1020047	7136711	1378700	6502638	6033027	5528472	7950480
9.960467	10	5	5	1895189	3821302	839276.8	4413880	2212122	4595496	4167492	4478788	3139276
10.97857	6	3	3	484107.5	1236468	616284.3	1034003	551250.5	1229007	2259362	970993.8	1107617
26.27867	4	3	1	67249.88	310960.8	78760.49	351763.5	144717.9	219543.5	413107.4	247325.6	320490
9.859983	10	5	5	1319799	4786537	529136	5571029	3047453	5474672	5204047	4210885	4509820
10.96997	8	4	4	397706	1150979	544571.7	974541.4	472073.7	784649.7	755286.8	783699	1467728
9.554967	16	5	5	6758126	59381308	34993606	48398869	27987939	98253716	8085887	85148586	53921212
9.338567	6	3	3	561588.6	828378.8	624178.7	621861.1	568334.4	0	641882.1	818562.1	945560.2
9.43325	7	3	4	3488847	13001613	4222421	17154967	15920710	11282022	15706621	15277864	16397742
42.04967	5	1	3	260876.2	5771544	1006799	5346945	1405823	6391308	6218104	6053789	3983241
9.932033	7	3	4	1389074	3046107	962679.6	3998025	3650522	4035523	1718481	3925433	2624130
9.9847	10	5	5	3604612	6933909	3223149	5763836	3536166	9861181	8128598	7748048	7524713
29.9215	10	5	5	555482.8	2279736	741773.2	2699395	1519112	1628151	2668001	2170392	1587377
23.3515	4	1	3	98379.11	314821.6	101930	371232.7	203377	184139.2	330072.6	278294.2	315407.4
10.00998	5	3	2	822621.6	1720148	823275.8	2041118	1020928	2212138	641981.1	2517236	2184360
26.02467	9	5	4	203738.6	761125.7	195039.7	894345.2	496681.5	999501.4	683417.3	748613.4	489350.5
28.31717	5	1	4	101206.3	360407	229751.7	457845.1	324024.7	674613.2	247428.3	61374.7	461512.9
30.89133	9	4	5	374835.3	1768660	638960.6	1525161	763798.9	1546190	1550572	1114628	1811372
14.53105	10	5	5	158535.1	683443.7	174877.9	761164.4	263589.2	539809.8	701749.2	473534.9	827508.2
9.960467	6	3	3	983033.9	1331827	615445.7	1797372	1755110	1305303	546480	1208769	1327364
10.9645	10	5	5	638898.8	3033280	541177.6	2823806	663923.1	3541584	3580168	2384552	2594910
9.93625	5	2	3	1284634	1135188	474540.9	1456539	1197593	1553163	1564046	1278618	515054.7
9.842	8	5	3	617812.9	1844251	188622.2	1987648	541444.3	1596502	1832701	1785678	2119049
9.864767	6	4	2	714844.2	1975212	919913.6	2234757	510490.5	2978667	1616094	1630007	804574.4
11.30818	5	3	2	251651.3	802231.2	131805.8	1026815	877594.8	1011669	851450.3	738629.3	712952.6
44.26467	5	2	3	576299.3	8606651	2186826	7708438	2949283	10016057	10087393	5120720	10049230
10.94443	5	3	2	343193.8	1003847	144979.1	910782.7	344986.9	1000875	1100973	762065.2	1026293
10.9645	10	5	5	270173.8	954540.7	224693.3	875781.2	232347.4	1052140	1263715	762947.2	710982.4
8.801817	10	5	5	478002	2722311	695939	2408139	1075095	2716421	3742442	2117535	2044801
10.02963	5	1	4	610500.6	1476482	523342.5	1282014	601800.9	2083320	1436797	1834472	1305132

10.93618	7	4	3	211056.6	894628.2	361560	776873.7	320349.7	1328472	1006882	613760.8	439506.5
10.77167	5	2	3	4915497	5576846	5818465	3614371	5570755	14678801	1233165	1037832	8024392
9.856867	10	5	5	2564649	12645117	3899492	11449082	2961702	15897254	11846263	11546086	7095378
9.999217	10	5	5	3817083	9138243	3478974	7830248	4086376	12289533	12787207	4891980	6469255
9.992233	10	5	5	357758.2	1231530	398856.7	1080244	475494.1	1230618	1879824	1066537	799957.2
10.95055	6	2	4	361676.8	1011189	604484.8	810153.7	562295.6	398592.3	378479	1186986	1342011
9.992233	8	4	4	1482496	1884639	1704382	1415238	837986.3	1092268	1951979	713493.1	4809841
10.008	9	5	4	955707.1	1351213	398268.6	1507501	502154.8	1431807	1851568	1207682	771012.8
9.880683	10	5	5	1961832	7571648	3757064	8847170	3657128	6749152	4747095	7137599	14044547
9.994767	10	5	5	498105.1	997080.4	402848.6	1175995	610041.3	1100685	1484358	1235612	589885
10.9645	10	5	5	482640.5	1804582	528291.4	1642028	406628.4	2474567	2240523	1381752	1282274
9.94455	8	5	3	701754.7	1360649	414575.8	1176466	628273.7	1889599	1714522	1181920	972134.4
44.36533	14	2	5	379849.3	4524096	721582.4	3706713	3171731	5795865	4131885	4180292	4413987
9.30295	10	5	4	854748.3	2206611	991740.7	2748395	1961208	2163540	1397650	2347340	1336468
9.514733	8	2	4	619240.4	1465811	288082.9	1828588	1413255	1767284	1146459	1689886	1178827
9.419733	12	5	5	3789997	39273568	10304908	43169325	12255314	51729987	40672182	46304071	29070797
10.05805	11	5	5	5276210	33392098	1628378	34913553	5855053	32890268	31019307	35227027	34551101
9.94455	11	5	5	1587398	3165437	372551.4	2928206	881914.6	3470727	2701439	3157050	2907918
23.26217	10	5	5	3983910	18012185	3719765	16682169	4014951	14520790	19451356	15108165	17298909
9.8445	7	4	3	619434.1	2198515	525419.1	1863892	1244101	2459039	1601438	2290102	2887345
9.522017	8	4	4	710038.9	3585436	1273345	3147188	1278526	5793209	2720476	3469382	2751515
9.8445	10	5	5	4722321	19824047	5849043	16901668	10369109	19775478	19947597	13052667	17317540
10.96997	6	4	2	712559.2	1387110	1805600	1947914	1432615	197560.2	4579222	483174.9	926046.8
20.17333	13	5	5	782999	4740588	952828.7	4252599	1742816	5058619	6156135	4519339	3575712
10.04747	5	4	1	565280.1	1276966	580108.3	1096112	465959.9	2159734	558348.3	1319187	1056872
33.61483	10	5	5	1761932	11972608	3544293	10896318	2644967	16677909	11142740	6829049	12888834
9.842	8	5	3	1284238	1589062	253456.6	2097284	2001618	1759959	1144237	1724762	1627205
9.8322	7	3	4	879171.6	1362757	358026.1	1777492	1615409	1512914	1604840	1396235	737684.1
9.43325	5	4	1	384578	1104555	597346.2	798457.5	1095494	1089706	1766319	333583.8	726669.4
10.9645	10	5	5	298033.8	1161940	254950.3	1280957	415158.5	1487389	1377697	1057433	918528.7
9.992233	6	4	2	717864.1	1963682	276787.8	1764880	752205.8	1955713	2401888	1714061	2007048
9.859983	10	5	5	3496455	13029210	1919697	12112328	3222170	14293767	12978491	11884004	15426499
18.11517	10	4	4	14338886	49200409	88813669	25002519	42137414	6643326	2.08E+08	5049972	9126927
10.02372	5	3	2	1186204	1150344	1507653	1774912	2079878	342928.2	379422	3832108	448309.2
9.328967	5	3	2	368524	2124187	856236.7	1780698	1125585	2453079	1574008	3477720	1714035

10.97857	7	4	3	339000.3	1017972	417802.6	898537.9	254049.3	1089436	1679853	548820.2	881352
9.856867	10	5	5	3959682	21255167	5233150	18580426	9579207	20043524	18041664	16198319	22306788
9.848417	9	5	4	1999986	9767139	2702328	10520985	1469486	7205498	10648218	6674311	11477889
43.89083	8	4	3	357721.1	6519605	1770174	7708788	4469506	7523150	4615510	8528049	4690155
9.840617	5	2	3	1949918	3625882	745996	4788463	4569622	4556944	3419489	3856265	2512971
9.379233	7	4	3	650285.5	1527920	784212	1261469	772222.3	2230456	273467.8	1353864	1668498
30.35167	7	3	4	164504.4	664326.8	190829.6	571531.1	328130.1	472910	942089.5	504501.6	743654.7
9.419733	8	5	3	2717311	8994221	3052616	10332056	4568300	12316282	9659637	10813807	7767459
9.94455	10	5	5	16732421	32822158	6820374	37233921	16508115	41139886	36697583	34366020	27555243
9.93625	10	5	5	2778415	11186388	701463.5	10240487	3707828	10544178	10917715	11354382	12325759
10.97242	5	2	3	142753	349325.5	138308.8	427310.3	285703.3	521094.3	454141.8	249822	188512.8
9.842	6	4	2	711693.3	2065489	1136804	1667597	1188816	1654229	1370927	3811476	950306.7
10.008	10	5	5	487472.7	1015631	125946.1	1140223	483306.2	1168154	974742.1	1091570	1008898
14.01255	3	0	3	39309.84	120579.5	39156.63	107829.5	35322.6	77546.72	183605.6	122703.8	104054.8
10.9645	8	5	3	872341.8	1996792	758617.4	2473147	1778179	1999433	2782949	2595860	877427.6
9.976317	5	3	2	1129967	1309491	754273.6	1051030	758371.4	1554563	2467645	1150096	493449.3
11.17828	8	3	5	322232.7	324856.7	138667.7	456129.1	508659.5	538741.8	301189.8	157744.2	348048.8
10.32122	9	5	4	1507022	7425097	2658342	6424246	3170929	10136277	10204582	6635442	5945738
9.445217	8	4	4	1110052	7031919	2194787	6042667	3423136	9508174	8150067	6832389	7078594
9.830833	8	5	3	1006464	3747385	1282543	3237749	1668456	3945223	5848816	2644001	2839612
9.3919	7	3	4	1325195	5300160	785323.7	7006855	6755279	4959393	6148861	5276691	5927584
9.88815	10	5	5	875954.1	3965478	625217.3	4451091	1857534	3894988	3421698	4927689	4163355
10.69952	9	5	4	353363.3	1413815	357097.4	1272134	463720.1	1579430	1652244	1102475	964618.1
9.3494	4	3	1	387755.6	2362366	1389380	2788404	1083010	1309473	3888229	1705781	1069126
9.976317	10	5	5	1743713	3530291	1167209	4096299	2008917	4432999	4732954	3896344	2283080
6.838417	6	3	3	2696220	1E+08	44184358	1.16E+08	46351122	1.13E+08	1.67E+08	82128728	93214998
10.97857	5	3	2	240345	598928.8	287390.3	523429.8	103953.5	737049.5	1019512	272651	461076.3
9.388367	8	4	4	8420777	7343938	9751236	14461032	27111294	3628485	2002231	24747571	3551304
9.904767	10	5	5	10409129	45721138	4780315	43521304	7685725	52163386	46684727	46158654	44801468
43.35867	14	5	4	371259.6	5352275	2187691	4720323	1410108	3494898	4430288	3472479	7204084
10.97857	10	5	5	2151156	12548103	1958641	11772741	2541006	12983827	15645483	10404875	11886099
44.62417	8	4	3	330091.6	4951709	1021804	4564036	1239129	6008709	5263088	3979529	5738115
9.061	10	5	5	6720059	34639991	12977470	30127774	13493646	38145772	54821384	32075902	27572222
11.52312	6	3	3	113034.5	266319.8	48649.54	243424.2	80663.31	237907.2	297967.7	220736.7	239100.9
26.0395	7	5	2	204558.8	2001693	941127.2	1687444	902928.5	1260863	2604163	906787.8	2038760

9.94455	5	2	3	1381552	1072529	732119.2	1403661	1151786	1748653	0	1689031	1219614
26.0395	10	5	5	695095.9	6798464	2618815	5830036	3045866	5116217	10115806	3398334	7191339
10.94962	6	3	3	276825.6	1155775	538808.1	1015905	171160.2	1136670	634839.9	717337.4	1314422
9.928667	10	5	4	3435864	16736699	5066653	14501193	7708174	14230822	12849620	12846056	24455492
20.05633	9	4	5	747228.4	3253593	587246.3	3758671	1952761	3440966	3450230	4021770	2838425
10.00385	5	2	3	187061.3	337683.3	224610.8	272846	145200.1	211677.2	61265.56	294128.4	624587.5
21.2265	6	3	3	199713	776108.3	593569.7	1029800	864126.1	576275.6	1562557	250830.2	259092.5
10.00098	10	5	5	1017508	2657533	1192363	3111047	1455495	2976119	4343566	2954267	1564115
33.54333	10	5	5	417706	3031134	962505	2739741	728733.2	4114433	2980640	1523834	3537688
39.05733	9	3	4	311128.8	5362689	3499704	4431834	1461300	4381025	11297745	4894289	4244073
30.209	7	3	4	210706.7	817470.6	713777.5	600970.4	544481.2	1542395	469829.2	191545.8	245785.1
9.032483	9	4	5	610035.4	1299360	185706.8	1226811	236946.1	1363195	1567218	1275094	1061144
20.85783	10	5	5	289184.3	863441.7	274585.5	784398.4	176746.1	1306229	676094.3	736302.6	951005.8
19.446	6	4	2	413318.1	5425638	2947910	6505254	3383796	10506069	5503508	3504614	3724704
12.4135	10	5	5	985182	7067500	2445765	8309299	4482859	6771716	5764823	4953819	11245744
10.95835	10	5	5	519921.8	2192358	552282.9	2017120	475263.1	2706614	2722457	1716841	1529325
42.12183	7	4	2	308893.2	5434833	2233132	4842727	918047.7	4680039	7683640	3053524	7910278
9.3735	4	3	1	683870.3	3242224	638947.5	2966355	946235.6	4285798	2780238	3417404	2946005
9.91875	8	4	4	1358537	2940038	1158531	2504487	1391744	2636168	2124587	3718034	1705720
9.331383	9	5	4	2819031	4016075	3329685	3112159	1627826	2854046	1523411	1955421	4027291
9.8445	10	5	5	1537182	4944285	1023923	5573965	2360112	6174337	5889271	4367465	3847035
10.02042	5	1	3	1.82E+08	4.34E+08	2.72E+08	2.98E+08	4.9E+08	4.53E+08	1642088	6.38E+08	6.88E+08
10.01333	7	4	3	7.48E+08	1.58E+09	3.51E+09	2.84E+09	3.88E+09	7.86E+09	5230932	16361179	9087543
42.395	5	3	2	302774.8	4638290	1171492	4201018	1391301	5973060	3769038	5868289	3758317
9.447733	5	2	3	640572.5	4566900	3293314	3579459	2440060	1119463	1213326	8040211	7382206
41.87717	9	3	2	238116	2838077	743237.3	3055126	506037.1	2911615	2685543	2030853	4035054
9.55155	9	4	5	436449.5	979016.3	240368.1	857029.5	440850.1	1113527	1287583	953458.7	892703.9
10.94962	5	3	2	15615686	16934242	24579335	25506772	25901067	20374411	2893287	1603170	1296681
9.999217	10	5	5	453881.5	857201.4	342683.4	984286.3	403033.4	1130125	1227754	923201.3	533266
10.97857	10	5	5	1971586	8002613	1366938	7598078	974771.4	7342506	9590205	6036979	8761780
9.40255	8	4	4	708828	1174312	426178.7	962434.9	762519.1	1378890	1564269	746607.4	681172.4
9.716267	4	1	3	8397830	30069078	17272363	21882571	29073397	36611219	28346127	942670	40843931
9.338567	7	4	3	629513.8	990110.4	738368.5	764460.5	579953.1	138400.7	788884.1	861194.1	989494.5
26.29733	6	4	2	265354.1	2492157	930614	2178250	920794	1967233	4109868	1824032	2147396
9.8445	6	3	3	505346.9	1142563	502754.2	992643.1	367966.6	1388026	1739446	785686.4	481902.1

9.9677	10	5	5	3315293	18365608	2721006	17060792	4653011	22544663	19005063	17929171	15187068
9.992233	9	4	5	1091740	1854240	831944.1	1594026	695700.6	1681807	2243616	1465320	3040484
10.99268	7	4	3	412948.2	1306287	611404	1478404	364492.8	1345484	2276937	1004819	628231.6
12.42698	10	5	5	419593.4	2772049	1292351	3364589	2085515	2781632	2339898	1304896	4847346
41.86267	8	3	4	320020.8	4990044	1993411	6013206	3718831	5447913	5574695	4953822	1763326
9.842	7	3	4	672357.2	1970082	1025447	1600160	1154187	1768647	641818.9	1758262	2192767
11.3403	5	3	2	255276.6	884448.3	580487.7	1135324	865026.6	1347959	507163.4	1643634	630495.6
9.979667	8	5	3	389516.3	1307832	439908.6	1074206	856156.2	1725765	1736682	926975.1	790349.6
9.8322	8	5	3	917986.1	3089302	1683900	2477055	1923073	1442569	1883133	2382686	4456074
20.15883	10	5	5	271466.1	1401517	428822.3	1272292	325570.7	964028.8	2032153	1064948	1580215
44.351	9	5	2	420331.9	3968471	1838081	4484221	1086504	4498902	4116726	5667987	4715159
9.992233	9	5	4	665685.3	2512471	601086.5	2241924	947924.5	2422846	3363609	2318197	1721836
9.9847	11	5	5	2945125	11160856	1897539	10509756	1950572	13288026	12183242	11760032	10137070
8.731583	4	1	3	63557.27	142051.5	82727.55	110973.2	99996.16	135948.1	278578.5	70900.83	143070
9.999217	10	5	5	680467.8	2050479	538330.3	1861779	576790.1	2585968	2166255	2518585	1408860
9.887133	9	4	5	4300904	5311696	3973032	8246798	11299981	4175219	3420820	3829166	2775735
9.67	9	5	4	446837.3	898719	274916.6	810025.6	248875.9	1035060	1217771	1016894	653631.9
9.37735	9	5	4	884310.1	3744163	1447924	4970335	4773148	1504750	4264392	4126216	3397740
9.842	9	4	5	903727.1	2895307	694383.7	2656176	719882.4	3684784	2495441	3120473	3260910
44.9835	7	3	4	594099.6	4038565	2149760	4617254	1027261	794119.5	3106341	5820823	4512119
8.902983	8	5	3	206688.9	580537.6	364739.3	681127.4	199865.8	652332.1	1175643	475570.3	343912.2
10.90553	3	0	3	167371.2	274563.4	76762.24	327614.8	202929.3	215539.1	394743.9	234725.4	220153.6
9.920517	5	3	2	753239.2	2355885	1437594	2793621	1127678	3868115	1281991	1451538	1192432
39.791	6	3	2	546576.2	7982667	2142249	8541087	790037.3	9225136	9590031	5999911	5321759
9.94405	12	5	5	6350802	30091340	16337567	34417079	6967139	35500009	1194167	38906890	40428017
10.01477	10	5	5	1002907	2891561	776031.1	2505444	1397416	3287205	3997951	2542631	1967382
9.872917	10	5	5	2716757	15540769	1700752	16493202	3538119	15610526	13208685	15867795	17948405
9.94455	10	5	5	1891347	7544640	1373180	6831829	2606840	9016489	8286714	6286122	5886849
37.18483	6	2	3	333474.6	5380028	2229312	4754705	1327404	4938976	3159265	9140156	4755649
9.848417	9	5	4	786855	3300175	1303790	2760410	1834467	4727882	4573530	2566547	1739359
9.8322	7	3	4	442661.7	1035886	372578.9	1148297	285683.2	1543430	1202934	957777	530573.3
9.976317	8	3	5	994173	1435304	634210.2	1163411	938144.2	1625419	2327807	1280136	1372845
9.338567	5	3	2	669022.5	1627596	566193.3	1431312	595975.7	1734817	774522.2	2022156	1399702
9.3735	8	4	4	1004045	9097675	1786442	8196989	3272795	6352324	8950157	9407135	9447568
18.646	5	2	3	64953.16	271671.7	88359.96	234846.9	125625.2	397942.3	218873.2	282902.5	163046

10.00385	8	4	4	221167.7	729366.2	272513.5	642959.3	238183.1	371499.1	926026.6	672546.6	611097.7
10.96015	5	3	2	972705.9	2509839	1112010	2194132	700684.3	3828131	3000566	2552975	793048.5
9.979667	10	5	4	1883564	7551448	990081.8	9457333	7635274	8103452	8690582	7916432	6712712
9.845483	9	5	4	741028.8	3223097	747454.1	2839720	1401565	3117145	3029826	2920355	2545985
39.63283	7	2	4	333085.9	4112284	1365949	3599525	1659163	6228054	4063024	4039637	3819386
23.0885	10	5	5	3643222	14261909	16788971	9134175	13407574	6519217	43154745	5047221	2105687
10.474	11	5	5	1039153	3268394	646123.3	3546324	964387.5	3767872	4114074	3066327	2622382
28.836	6	3	3	570064.3	4280845	3181833	3346653	2270812	1672439	4390434	524042.4	7424593
10.45545	9	5	4	1279136	3148794	740429.8	3566042	1558679	4076528	3741457	2978571	2331329
44.466	4	3	1	421162.3	5545510	3193066	6348373	674711.8	9993299	1427076	3804086	6185108
10.9645	6	3	3	470273.6	1915257	524325.1	1744815	488426.3	1491283	1716060	1611789	1955012
9.840617	8	3	5	740536.2	1578679	625230.4	1416972	223036.8	2330134	2099485	1169095	840856.2
26.9265	9	5	4	597542.2	4072228	2587098	3305368	1906422	2362080	5645184	536455	4877576
31.7245	4	3	1	298791.4	1951400	1330341	1612195	393343.3	1841027	520714.6	1807267	4131806
10.10793	10	5	5	2188125	8715887	1957988	9649659	3362266	8020409	11314530	9763819	8390465
44.98333	5	2	3	439150.9	2690867	724259.6	2437420	782604.7	3086201	3288381	2431709	3114144
26.83933	6	4	2	90446.56	282099.2	156830.9	229371.9	156970.5	172571.2	467987.3	87041.33	283393
9.3735	6	2	4	446237.2	4324899	677631.3	3891275	1654828	4505407	3166624	4360142	4703599
28.849	8	4	4	2250680	19002672	15044105	14714940	9749484	5028793	21642962	1800893	33382268
9.8445	4	1	3	1083028	3949608	1409472	3445348	1585704	5289970	1587303	4674075	4110471
33.91733	10	5	5	1874944	12687210	2457801	13820646	4042503	11929843	16476104	9843402	11842030
21.99567	8	5	3	130294.7	556580.3	139444	490973.1	235444.8	530591.9	702310	361775.8	507221.5
9.650367	10	5	5	399480.3	1770080	812645.6	1549588	424315.7	2725799	2331680	1595762	608393.5
30.237	5	3	2	425695.7	4196045	3425176	5430263	3910908	8082348	1734356	1526895	7807064
9.262217	8	4	4	8555431	42678946	20222095	55138039	47395140	47851185	12709300	33778564	53879237
9.999217	8	4	4	1021167	1224137	591333.7	1496554	973716.5	1725784	1936648	1066363	864048.9
9.960467	5	3	2	692009.6	1085816	329544.3	1217950	447101.4	1391642	1152750	1275694	537988.3
12.39772	8	4	4	272225.3	1533644	501532	1348599	597336.8	2180704	1618159	1382940	802248.5
9.992233	10	5	5	1804105	3381300	1525885	2937957	1068408	3171225	6010163	2759600	2060277
9.01065	5	3	2	631712.4	986080.5	581432.9	1597419	2431437	1238990	1808488	973371.8	608414.1
9.976317	10	5	5	1111578	2171926	934339.7	2612256	1587205	2883721	3141802	2462865	1270521
29.615	8	5	3	445047.4	2577759	1670711	2076587	1290356	1235081	2832401	509789.6	4012969
9.43325	8	4	3	498744.8	3349956	1507826	2765191	1947907	5203846	3358705	2595938	4291325
40.71183	5	4	1	275725.6	3828148	578895.8	3975758	181903.3	4565396	3997826	3429603	4063903
9.445217	11	5	5	1516292	9451977	3050428	8130141	4635816	10544877	13323382	10563901	5594848



9.8445	10	5	5	4212633	13812858	641920.6	15310030	6053573	14898127	13692289	13724829	13195811
9.45945	13	5	4	674768.3	4684949	2367182	3821662	2770433	6503166	7045970	4952598	3798452
9.481367	17	5	5	2232087	14669451	9085763	12043567	6271061	24419036	22834450	2963632	9097055
9.976317	6	3	3	1338475	3980710	1324858	3631480	587704.2	5713722	2826832	2504785	4659063
32.05617	7	4	3	205875.8	1045932	833662	812875.3	508914.2	473948.7	775660.5	136795.6	1822781
9.93625	10	5	5	4444355	16002002	2745204	14604825	5146232	20132614	17510493	14021073	13863184
9.992233	10	5	5	486877.7	1421859	382460	1243396	642312.4	1758468	1734560	1514698	838647.8
9.388367	10	5	5	3575648	9335198	3691937	7915495	4714431	10430051	4364565	6761667	11786601
9.8887	9	4	5	14320778	67341260	21629320	60157261	21336059	33751684	67018760	65490876	78149812
9.976317	5	3	2	650112.1	1020890	390919.8	1152816	398111.8	957625.4	882972.9	725148.1	1703701
10.008	5	3	2	422825.8	787449.2	280237.4	602124.4	714104.3	562126.7	459863.9	783172.4	1086094
10.03947	8	4	4	1191589	1348454	1611238	2015773	2302729	391949.8	695142	4219743	681084.6
16.50507	3	0	3	70580.51	159616.4	54142.49	196025.5	140683.4	179818.7	81907.63	161454.5	144288.2
11.52297	9	4	5	295608.9	519724	363839.3	714604.2	727292.3	604658.9	1108429	175155.6	317387.4
10.95835	10	5	5	3721946	13909824	3433111	12758371	3461263	14796415	18239914	9078791	12268544
9.976317	10	5	5	2201785	9143342	2116435	8384281	2415953	10385669	12004869	8814504	6565919
9.976317	8	4	4	900121.4	1093078	564403.3	945558.9	238170.1	1057975	1055602	2028540	551654.2
9.536783	5	2	3	843318.1	1739670	1101241	1373649	1090606	3383619	2365121	947299.2	862394.5
26.19983	10	5	5	353836	1711863	865627.2	1471290	520209.3	1752922	1882351	638280.5	1293658
9.859983	10	5	5	7221812	42316753	8580987	45064220	7857545	45236357	40773942	28471562	51216398
9.952017	11	5	5	1041501	3888604	1011291	3591842	739780.5	5518166	4071070	3733862	3109074
9.419733	6	3	2	539451.8	2963847	1420505	2568273	863362.6	4243716	3430774	4133811	2049847
10.008	10	5	5	531711.4	1740644	389657.6	1609693	395240	1815160	2207914	1938197	1182428
9.872067	10	5	5	1631801	6362933	1344534	6812323	1349185	6663696	6200891	7385276	7424829
9.856867	10	5	5	1441474	7553008	777130.5	7234065	1099054	6986459	7260192	8593212	8137361
9.9677	5	2	3	529841	441938.9	369547.1	600205.9	555503.1	173773.9	77717.28	514367.4	1021641
9.999217	10	5	5	1015327	3252026	996530.7	2871748	1264459	3756655	4626434	3110141	1996367
42.841	5	4	0	302870.3	3376410	1432351	3023736	149317.2	2618470	2137477	3515472	5780447
9.920517	10	5	5	3335640	10674427	4263954	8998345	5666838	12595700	8020858	6336272	9316185
23.747	9	5	4	225898.9	961636.7	179952.9	906022.8	152377.7	678954.9	1107701	896915.6	1018539
9.960467	9	5	4	1194249	3900608	587755.1	3728765	427713.6	4687739	3494563	3333950	3633495
8.12655	11	5	4	786996.8	25085714	13938265	20149098	15641853	5983238	36603519	37334111	15051963
9.40175	5	3	2	536692.1	1324229	790402.3	1112907	397332.7	1213492	466283.4	1977125	683851.2
10.95055	10	5	5	13144583	40769758	10354985	45929707	19023776	51272764	52432128	35894102	29963925
9.041133	4	1	3	191979.7	769472.1	307571.6	647113.9	417173.5	440111.9	1096095	964578.4	904231.7

9.992233	9	5	4	546794.6	1475969	391616.6	1681288	766682.7	1657597	1826613	1790020	1072244
9.976317	9	5	4	1868265	1866666	531072.7	2132392	981784.4	2096692	929932.9	2224207	2108253
10.9645	9	5	4	435487	1286315	723956.6	1495732	511359.2	1903744	2198999	920716.7	516261.9
28.79767	3	3	0	125661.9	495372.9	449425.9	367599.7	299372.6	127402.2	455232.2	0	853882.9
20.071	5	3	2	90015.59	417541.4	196152.3	478102.7	166386.8	399878	616032.8	277580.4	180581
8.981583	9	5	4	294453.1	687237.9	244137.1	589787.1	332928.2	941437.1	667546.7	813397.9	291904.2
44.33667	10	3	3	268011.5	2504421	1070277	2803277	666674.5	2848150	2611062	3690666	762528.2
9.858833	10	5	5	5674583	27452201	2728659	29406252	7639803	27542071	25523537	31263094	28655561
9.56645	6	5	1	531531.2	684758.1	173597	909212.5	905596	753441.4	950491.7	589896.4	626298.6
9.864767	10	5	5	1985629	13586722	706987.6	14176779	2336833	13435975	12698010	14488374	14082427
9.810767	6	4	2	767095.1	2172683	600580.6	1755443	1627610	2163402	1782477	2076587	3181529
10.99268	9	5	4	212154.7	940500.2	429746.2	803783.2	392046.1	789248.6	791037.6	555038.1	890198.2
9.392767	9	5	4	1640099	3097904	1182142	4279836	4730913	3342265	2097709	1999095	3130100
9.8887	11	5	5	1885905	3970906	715133.1	4566614	2361664	4624862	4813304	3307345	3800762
9.8322	5	3	2	730659.8	1649087	504560.1	1395962	937965.2	1998429	1444316	1076556	1396706
9.2585	4	3	0	414301.2	1250310	495015.9	1026641	805133.9	1724324	614177.6	1675382	1379171
39.60417	4	3	1	324763.2	4854673	1056397	4590227	283229.6	4297637	3406876	5094508	5266870
40.194	5	3	2	270650.1	1018287	803322	802176.2	427837.9	1224883	127858.8	1217506	2151843
9.94455	9	4	5	2084957	4110281	1800328	3570509	1427182	6021780	5952843	2988191	3566672
9.928667	6	4	2	1298749	6462671	1022657	5838505	2402977	6591538	6279487	4920762	6770023
9.842	9	5	4	931879.8	3872571	1188447	3320614	2008061	3926781	3917743	2131181	3898559
9.445217	12	5	5	2853543	18444706	7979131	15666060	8763444	25811100	23857908	21439227	14900515
36.56867	9	5	4	109192.8	548653.8	257481.3	476372	166113.9	530922.5	587602.2	189268.6	913975.5
9.716267	6	4	2	695872.7	689768.1	308612.6	998158	1238342	1202354	739084.7	577058.1	432001.8
38.82717	6	3	2	315844.7	7125028	1434897	6698705	1112447	6497270	9108534	7526518	7295744
9.857683	10	5	5	1113235	3837907	1280372	3433955	1154418	4681886	4923845	1689072	4057799
9.36565	5	3	2	533687.8	857098.8	810121.9	1122061	790068.8	1200916	0	0	1320060
10.96	9	4	4	264172.8	760241.6	313571.8	648432.8	359825.7	1145912	1028334	627313.1	598285.7
10.10142	4	1	3	4.7E+08	1.63E+09	9.85E+08	1.18E+09	1.63E+09	2.48E+09	7412643	2.34E+09	1.77E+09
10.95835	10	5	5	209593.8	1191909	249278.4	1118571	188287.6	1327236	1534992	1017495	905909.2
10.5677	6	3	3	109271.4	257734.5	107610.3	223699.3	97738.31	191420.7	229535.2	208631.6	210371.8
9.976317	9	5	4	1010081	1312590	425704.9	1590304	1080823	1806157	1309995	1602590	1136843
9.840617	6	3	3	1100789	3471852	1368543	3021652	1352036	2875549	2630806	5272685	4539038
10.9645	10	5	5	377552.3	1837219	416548.4	1716137	303662.7	2280564	2204706	1508410	1333376
10.9645	10	5	5	7539668	21747433	4685326	24958611	12571446	26309963	27280812	19391922	17218122

9.933967	9	4	4	2047866	5841563	730029	6332412	1917789	6398301	5663380	5920895	4696394
9.880683	7	5	1	1110010	2268448	653962.9	1945760	1196769	2046119	1899621	2313630	3370325
9.36515	5	4	1	932184.5	3292360	3038592	4392926	3587913	1968735	2461444	1568518	8695452
9.992233	8	5	3	343384.8	739477.9	283854.9	629320.5	374389.4	983918.5	1091275	627304.4	430214.3
28.836	6	2	4	164254.2	1111120	888392.6	861334.3	581454.1	371586.3	1297463	14642.02	1857322
40.51033	5	2	3	2991102	28114884	22875789	20676415	22140858	45376361	1621323	43237601	4586892
29.299	10	5	5	1687818	9838216	3673256	8723449	3035996	9168471	12469878	5771882	7158958
9.220933	6	3	3	2711435	15760825	16416428	11269874	9656209	35089039	2544366	7283209	32028073
36.7645	6	3	1	394869.9	4996918	1065272	5426519	1490901	4484272	6782286	3976930	4779556
9.960467	4	3	1	784276.3	995475.9	378869.1	832629.3	580518.3	1370901	1296263	992703.6	899568.3
10.96997	5	3	2	341473.3	608433.9	391211.8	731178	351194.6	242409.8	362724.9	531776.7	656805.3
9.976317	10	5	5	1087927	2140088	305566.4	2447079	1238236	2480074	2285657	2301146	1846025
40.81267	5	2	3	308665.9	3487361	1254976	3170683	419907.9	3029436	2887189	5728759	2950473
10.95602	5	3	2	1024701	1992359	1673433	2555487	1740097	766369.1	911891.3	651599	3613084
9.904767	10	5	5	2125526	7890042	799655.5	7508599	1407603	7181227	7251342	8459345	8993475
40.53917	5	0	3	345364.6	4467935	158913.7	4973148	2077960	4568375	4295968	4650796	4516474
13.33123	7	2	4	45885.32	169477.1	32958.55	151609.4	67954.39	119268.7	156103.5	182488.9	184829
9.994767	10	5	5	677312	1773459	846967.2	2074745	975881.6	2045332	3012203	1806796	817080.2
38.66883	6	2	3	387830.2	4726029	2357956	5408201	1717479	4826883	4779790	1381497	8046252
18.01267	5	3	2	142705.1	296432.5	204569.8	242888.3	96470.62	388928.4	156577.4	80614.56	257622
10.008	7	3	4	267585.4	535417.7	84741.79	484838.3	195586.4	539282.8	632888.5	499396	413938.7
9.447617	8	3	4	12252288	49167364	56808877	32424174	43766254	1494387	9303929	12804803	1.16E+08
9.914217	9	3	5	1089066	2259541	975405.3	2937934	2673738	3710881	1926434	2585197	2006562
9.983467	6	3	3	196232.2	418687.5	171691.7	475717	174663.9	137199.8	587541.8	495335.2	394002.7
10.95835	10	5	5	534462.9	2698034	671658	2496827	541395.2	3070568	3618007	2203932	1940709
10.9645	4	3	1	260510.9	755211.5	244720	684107.7	181181.1	603479.6	1162474	568771.8	802883.9
17.58367	9	4	5	95204.23	537547	91219.31	506706.8	96105.63	637556.2	550814.9	392076.7	580347.3
41.8915	9	3	4	384539.1	4422003	1724497	4878381	876657.5	1722597	5669906	5408987	3661920
24.0985	10	5	5	45742084	3.88E+08	26659613	3.73E+08	58124240	3.83E+08	4.33E+08	3.67E+08	3.69E+08
9.68775	7	4	3	457944	421646.1	94028.47	488762.1	265501.8	444334.9	468641.3	541537.6	314637
9.856867	10	5	5	3505310	22501360	3155807	20510335	7770453	21784292	21216289	19903184	21612562
10.9645	10	5	5	521167.7	1935793	716334.1	1717167	607122.6	2749396	2642193	1363779	1221958
9.858833	7	4	3	6308464	3866447	1782722	5141125	5044923	3022772	2623743	3880882	2864084
20.26667	10	5	5	29553240	2.68E+08	30368684	2.56E+08	41831217	2.86E+08	3.02E+08	2.73E+08	2.24E+08
9.9677	10	5	5	13707545	34069385	10013646	29853226	14995111	42936847	45660552	30754210	21613974

9.93625	10	5	5	22178828	86409990	17684886	81827868	7894304	1.1E+08	98699846	73152718	68506298
22.71217	8	5	3	431364.2	3247594	1478782	2767068	1445086	2537995	3914849	1563000	2793983
9.94455	10	5	5	2618710	10010141	1967402	9425568	1559213	12289092	11778455	9538370	7699189
9.853633	6	4	2	890196.3	3049343	1773749	2432875	1971530	1885812	1373259	2166854	4312120
9.9677	10	5	5	2371386	6007766	1918160	5169084	3027591	7618928	8206723	5316395	3462288
12.67565	8	3	4	442870.7	8081426	2793775	7331670	1542583	6261718	8845951	12245197	8132783
11.25905	8	4	3	152572.1	772857.1	227646.3	685016.3	300622.6	981335.9	501196.1	871597.4	555520.4
14.32722	8	4	4	64194.28	330034	183376.7	272742.9	164858.1	347714.9	314510.3	108776.9	614222.7
9.999217	10	5	5	917484.1	3250795	666371.5	2948963	1103379	3730852	4027489	3203202	2322797
10.9645	10	5	5	440863.6	1413984	317986.8	1576155	611809.3	1791897	1704655	1328077	1119615
9.929783	4	0	3	1202051	1838266	1122595	1418003	1415915	724148.4	3733859	1536130	1589026
10.008	9	5	4	623763.7	1822845	265742.6	1642998	709508.7	2078875	1934919	1967720	1405417
10.94443	6	3	3	175011.4	390429.3	163330.3	457409.8	236319.7	428618.9	533498.7	413026.3	466673.3
9.91875	9	5	4	2240829	5069488	521341.2	5673306	2462945	5501222	4854439	5007932	5639504
10.95602	10	5	5	312625.4	1319623	332009.6	1213415	315178	1552105	1771453	1056034	998039.6
10.25	11	5	4	608694.8	1992210	503011	1751344	895723.9	1188938	2388349	2359436	2204850
10.98605	10	5	5	302620.4	1317237	349065	1198424	374899.9	1650908	1553260	976951.5	904008.5
10.0044	8	3	5	2057838	2566371	1283797	2012369	1995478	3021284	4321733	2643479	2006752
9.9014	10	5	5	1098724	5870312	1013100	5419220	1642552	5249980	5236351	7178216	6739810
25.2895	4	1	3	73146.02	302596.9	235131.1	234689.3	172854.1	106953.4	449298.2	17311.89	359921.3
9.992233	12	5	4	901333.1	2584164	1467670	2068284	1670620	1621776	705962.5	2575115	4234904
9.075083	5	2	3	790525.8	1120716	1089099	814753	732411.3	793267.3	364521.8	404235.2	1037941
9.56645	7	4	3	265394.3	518616.4	263223.4	412454.4	372403.9	558034.6	898347.7	532390.4	439077.1
10.92208	8	4	4	172984.2	503097.2	234915.6	424751.1	243055.3	716354.6	494154.4	211920.2	338410.7
11.10482	5	4	1	276097.8	418526.5	191799.6	355300.8	194009.3	704608.1	352168	228853.8	292878
10.02372	8	5	3	231001.6	664768.3	82099.25	614500.2	196273.9	573229.9	781555.5	639478.8	618404
10.01545	4	3	1	695307.1	1316671	330382.3	1107719	819436.2	1564804	952531.6	973190.4	1643622
9.976317	10	5	5	1283946	4554588	1172692	4018756	1969564	5094773	6104332	3648286	3161073
12.32473	10	5	5	132367.9	682172.2	133585.4	635641.1	149914	703085	896202	666292.8	593707
10.95055	10	5	5	2350665	12270028	2849443	11369948	2647950	14394593	15616042	9834829	8987294
9.845483	9	5	4	987290.3	3771040	998127	3229126	2079520	3727143	4089907	2545685	3264318
9.40255	8	3	3	795211.3	2266777	1258250	1728471	1939505	3631467	1249757	1078733	1772770
9.401917	12	5	5	82491880	2.76E+08	1.26E+08	3.6E+08	3.3E+08	2.69E+08	4.6E+08	3.21E+08	2.05E+08
10.94208	9	5	4	251762.1	1409361	418384.7	1269674	435533	918925.3	1814722	1016895	1531327
10.9645	10	5	5	1128897	5413485	1127894	5092346	799890.2	6371379	6675959	4493783	4097773

8.859667	10	5	5	411746.7	1384552	668521	1600199	650240.6	1220245	2533383	828315.9	1029415
10.95055	5	3	2	629282.2	1687400	278791.8	1511115	692905.5	1725125	1949564	1235853	1650641
9.960467	6	4	2	577366.3	1648910	465728.1	1453503	699337.9	1988264	2051585	1513774	1785850
9.858833	9	4	5	14086510	27325711	18777124	22421620	9169003	20541854	60478214	20937840	20856104
44.9835	4	3	1	138774.4	323776	103541	365486	146880.3	422305.2	288723.9	194412.9	437468.5
9.952017	10	5	5	5687234	12359408	2584064	13833451	5713295	15384635	13935520	12970663	10499514
9.856867	6	3	3	656972.3	2190303	606559.3	2389205	611031.4	1511924	1586458	2689063	2795530
23.03067	6	3	2	352029.4	848468.2	641129	1052782	609113.8	1443580	461444.8	1642404	410227.1
9.445217	7	3	4	387918.6	1816645	492394.9	1542004	1061641	2239389	1485797	2225418	1125171
9.91765	4	1	3	947183.7	1697610	372888.9	1426203	1084996	1437858	2301978	1528452	1410575
10.95835	9	5	4	282764.9	867231.3	155818.8	933191.4	237445.9	937480.3	1095510	753227.8	704079.8
9.992233	5	2	3	764926.6	1454364	819994.3	1182109	848033.8	479929.8	643854.6	2040735	1951193
10.35132	5	3	2	151496.8	291332.1	106385.2	332537.9	142756.8	242140.8	427408.2	376540.8	171624.2
9.983433	5	2	3	1175774	1622175	959760	2011892	1380522	3032267	768177.8	920277.7	1213620
9.856867	7	3	4	894194.1	1358116	419643.8	1763723	1652996	1389796	1118596	825599.8	1518064
9.848417	7	3	4	1320339	3185580	1983882	2674224	902821.6	1275510	2643301	6113948	4194984
9.983433	10	5	5	4859722	13398637	4693399	11659900	5881444	17377316	19127032	12273445	8277887
26.83917	8	4	4	512887.5	3193478	2247555	2543060	1690091	1175014	3621202	550705.6	5269606
9.999217	5	1	4	427627	1196415	386522.1	1084313	292536.1	1476947	1254373	1607180	639961.5
7.56495	5	3	2	3328084	17614128	16264859	12278469	16459636	28685909	55216.34	17408.62	25939714
9.999517	4	1	3	5574494	9730907	7682748	7660123	4483635	19524842	2242834	1816790	14230104
9.992233	9	5	4	1125273	3358396	1104434	2991351	1146558	3163811	5069824	2837718	2103685
10.14543	5	4	1	342266.7	794159.3	332951.7	914484.4	401159.4	625000.7	1290998	930916.1	418046.3
18.6355	10	5	5	442581.2	1664202	347172.4	1509787	566600.2	1362916	2116859	1883741	1292389
10.9645	10	5	5	2529993	11384718	3142905	10406339	2850946	14175467	14598779	7842821	8448133
10.9645	10	5	5	1210588	4914619	1202577	5332463	1355322	6247801	6173327	3783467	3988466
9.983433	12	5	5	5683269	15172921	4546506	13218754	7089850	19020889	20408474	14127877	9274280
10.95835	9	4	5	175066.2	517691.8	137559.8	570519.2	182551.1	565556.4	728952.2	479484.1	369110.1
10.9645	5	2	3	204704	320039.4	137021.6	389965.5	266450.3	483721.6	405545.7	120814.4	300430.1
10.03947	10	5	5	746611.2	2084214	672042.6	2335676	857886.4	1789459	1512099	1545082	2549217
10.008	9	5	4	649564.7	1046121	392083.4	1224700	661458.6	1250589	1537710	1150625	652221.7
7.56495	5	3	2	12948258	76116399	69634831	53464665	69579917	1.25E+08	791920.1	598470	1.12E+08
10.98385	6	3	3	230289.8	587722	262875.2	689086	351863.9	269425.7	756620.4	528496.4	938310.7
10.97857	6	3	3	229224.5	778605.3	131997.9	884646.7	428858.4	979389.1	616975.6	804410.5	730638.3
9.880683	9	5	4	951259.5	4687107	1400375	4169668	1755530	4311855	3085219	3753062	6025661

9.419733	6	4	2	622090	2286389	810810.7	2013594	865893.4	1029347	3173613	2035095	2653048
6.887817	7	2	3	870783.4	29455681	9593167	24399553	19432701	27799342	45567674	29541662	22045835
19.4015	4	4	0	38116.34	192530.4	43589.71	181825.1	12044.09	230014.9	224847.5	190495.7	120894.8
9.979667	6	3	3	496154.3	1208364	458009.3	1089851	218760.5	1442314	1488829	1609185	499539.9
10.95055	8	4	4	438907	610978.7	236999.4	817854.8	841730.6	410712.8	769014.5	906658.1	342747
9.40615	9	5	4	1582623	2905782	1131939	2427262	1731809	3316647	3889222	1517118	1887882
13.44963	5	3	2	382316.7	4031812	1238527	4748549	2802726	5726655	2450256	4644373	3917214
9.8322	7	4	3	588105.8	1682194	587843.5	1471189	704137.9	1478999	1409369	1445430	1347055
10.9645	10	5	5	834817.4	4236814	1109210	3922619	790155.3	5366289	4979110	3124921	2970970
9.960467	9	5	4	1309888	1971212	913592.1	2220411	569257.1	2788833	2938985	2035713	950620.1
11.25067	12	5	5	13286900	40673838	10932133	45828825	19342774	52370358	52397770	35076738	29152233
9.992233	10	5	5	770717.7	2440284	537750.3	2174850	1007859	2984370	2956472	2433149	1772967
9.960467	10	5	5	1304659	4159116	832902.7	3825543	1183089	4825598	5281548	3550160	3613180
9.295167	7	4	3	971294	4738256	1229282	4048119	2688908	3849268	6747811	3770445	5027667
10.008	9	5	4	302001.1	865134.9	138087.3	762501.9	413593.5	654062.9	961670.3	951002.9	793977.3
10.008	5	3	2	293394.4	715898.5	228120.8	611748.2	387485.8	908193.5	336551.1	756628.1	702716
9.853633	9	5	4	1034385	4610348	999861.6	4117115	1873453	4422423	3898444	3471453	5427867
9.842	6	4	2	2505782	3955372	5330524	5428155	3504481	1441454	1665351	13453352	950580.3
10.00998	5	3	2	244461.7	459221.3	181940.5	369142.8	342519.6	287111.4	761695.7	357233.5	460728.6
9.976317	7	4	3	502499	1038654	354865	1213787	665643.4	1196778	1325784	1358412	629679.8
9.177967	5	3	2	2362427	5841933	2328190	6931924	4087968	4841767	9609460	5327708	6072670
9.457083	4	1	3	686704.1	1321811	797852.1	1829747	2017040	749020.2	835121.5	927799.1	1428172
11	7	3	4	1148089	3348913	1738792	2719530	2118925	5729658	1286997	4432980	2733730
10.01837	8	4	4	778210.2	1442633	1388291	1075816	757980.9	3899068	522715.6	893986.5	807054.4
9.541433	10	4	5	19165440	69075067	45068016	55715679	36840946	59962736	1.01E+08	1920285	1.19E+08
9.956417	4	3	1	1020070	1187636	659158	1388894	580758.3	2187835	1283987	555489.5	1287722
28.83467	10	5	5	2115963	8083349	2780960	9587083	5837292	10689330	6853857	4258739	10889794
28.84783	9	5	4	2538899	20838121	16377502	16294522	11010604	6377204	23494761	1540975	35803435
10.9645	10	5	5	606385.8	1802656	585635.8	1590579	716030.5	2592961	2225227	1540779	1172319
40.23717	15	5	3	357765.2	5669287	4230873	4649082	808141.9	2015037	5470873	3872999	4076396
10.97857	10	5	5	193978.5	847193.3	72072.6	880434.9	124468.9	855695.9	729781.8	895895.3	840311.6
10.95055	10	5	5	200322.7	800575	213005.7	867108.4	197870.5	1079994	968369.7	707299.8	579339.3
10.95055	8	4	4	310248.5	1140192	505078.6	997573.7	360928.2	1386833	1663855	801432.8	435803.8
9.992233	10	5	5	688720.6	1770328	754787.7	2044474	928257.1	2149293	2611695	2147448	1039263
22.18067	4	3	1	94703.47	436546.3	139963.2	514831.8	306228.4	315341.9	673699.1	353588.1	419518.6

9.268717	5	2	3	497377.9	671599.7	329863.3	784852.1	369427.8	1100623	824028	692760.6	218759.5
8.7536	4	4	0	333538.3	659860.9	522538.1	497309.8	482245.6	390946.6	1418614	416620.5	957626.9
10.00998	10	5	5	597690.8	935285.7	426408.8	1096507	559600.9	1055730	1524368	1058942	477560.6
10.01837	10	5	5	1505649	4593353	2309539	3849626	2293884	5688547	671858.8	4356458	6197751
9.920517	11	5	5	2250572	9335968	1406622	8112579	5010261	7890178	7986664	10000622	11205011
9.840617	10	5	5	1156620	2687310	894138.3	2423612	727618.3	3717363	3570746	2119561	1760850
10.9645	8	3	5	1127715	2995273	856347	2630066	1337732	4336175	2963624	2830267	1947531
9.419733	8	4	4	1658514	2770622	808352.3	2410721	1337489	3186053	3257315	1343416	2911701
9.960817	9	4	5	2456921	3418987	1239444	4096938	2645851	3729320	2749048	5266027	3410785
31.78217	9	5	4	975274.1	6042000	4103937	4884419	2942803	3291025	4521807	1620802	10101179
9.684583	16	5	5	16460352	1.17E+08	14356629	1.12E+08	18521340	1.16E+08	1.38E+08	1.1E+08	99993566
10.9645	10	5	5	887939.1	2153709	836144	2503890	1274834	2987303	3111559	1614464	1293724
10.01545	5	2	3	325934.3	770997.5	368597.1	659575.6	319469.8	822891.8	163963.8	1038894	1086737
9.94455	7	4	3	2251227	1511812	519234.6	1911514	1625268	1866928	1775760	1809683	1485507
9.541433	8	5	3	436652.2	1035368	464632.5	813050.4	843840.6	1252377	1526488	640138.8	448753.6
18.137	9	4	4	199598.7	1085105	332936.3	969558.5	381267.8	779417.4	1266623	887389.9	909820
10.95602	5	3	2	260583	963696.8	272079.8	846902.8	429509.6	546609.7	1239650	884513.6	1161770
9.388617	9	5	4	744929.4	2342279	1236187	1995011	877939.4	2434013	1045651	1387483	2654265
9.8322	5	3	2	836635.8	2300013	813351.8	2045347	765436.7	1597813	3013937	1388113	3201029
9.379233	4	3	1	922543.3	1775329	945919.4	2038203	650499.6	1036019	2360470	3034707	726081.2
9.983433	10	5	5	826040.5	3491840	731229	3173334	1178819	3873079	4502166	3204121	2565310
10.03035	6	2	4	56329048	66268079	79819088	39995491	83248866	3755706	17190086	1.58E+08	3564074
9.960467	10	5	5	2359912	8782279	2315554	7836835	3418559	10456079	11404874	7483864	5611803
10.008	10	5	5	470797.8	1044435	224992.1	1176642	523500.6	1139918	1212222	1249615	892045.8
9.089733	10	5	5	7949224	40566931	7781236	38016675	8053039	41814500	51392765	32109234	33996402
41.90583	7	3	2	611382.6	6573102	2005840	5865824	2367857	7824953	6979509	3049266	7186771
9.994767	10	5	5	1679429	2612630	1633791	3197449	1977577	3274046	4915161	2776683	951521
10.01477	10	5	5	964210.6	3381949	859830.2	3023039	1310282	3625561	4650527	3415644	2393856
9.55155	10	5	5	1829113	7252341	2148801	6641673	1592810	9081741	9665691	7247065	5533782
10.008	10	5	5	1043655	2048155	567293.3	2407764	1439825	2188392	2784543	2307216	1562014
9.392767	12	5	5	2569692	18105977	3201283	16009915	8426682	18279162	18433413	13380120	18028207
39.37383	5	2	3	334989.3	5789262	3302186	4936366	1665662	4501414	11689838	4110525	4222071
19.43117	3	0	3	245354.4	1356925	374452.2	1136212	875964.7	1894153	1019331	1591872	1205377
9.111033	4	4	0	343247.8	547096.5	265674.7	476897.8	151053.8	407964.4	383062.4	973469.2	332713
9.992233	8	5	3	539134.4	2110564	308946.5	2015648	280631.5	2495205	2375349	2008835	1877929

9.530583	8	5	3	291523.7	605682.4	191358.4	540570.6	213084.4	546472.7	886409.3	439160.9	446053.9
10.94443	5	2	3	142186.7	419316.1	61582.74	496849.8	323980.5	497715.1	428570.5	343418.2	374017
20.274	5	4	1	50082.82	179379.4	43179.82	193018.4	41699.81	160180.5	251055.8	185993.6	158840.2
10.008	8	5	3	278583.4	701002.1	229638.3	615273.3	298329.1	597977.8	974145	488917	522168.9
10.9645	10	5	5	609672.1	2800150	557128.8	2995871	656449.4	3383749	3377354	2432570	2160536
9.999217	10	5	5	1016996	3066959	834737.3	2691399	1410788	3268636	4374845	2645948	2157867
9.842	4	1	3	1335260	3524343	1804284	3049133	1017492	4080949	1708837	6043921	3960066
10.008	9	5	4	402476.4	1111186	245052.9	972545.4	547951.4	1286829	767682.9	1373332	1159420
9.903567	5	3	2	697444.8	1452350	843704.1	1203873	695737.2	1764938	505296.3	983954.4	1287829
26.82483	8	4	4	1220113	10227734	5000837	8944443	2461429	3321860	10989298	7458401	13206940
9.94455	9	5	4	944293.4	2793008	761464.3	2583452	513755.3	3545159	3533875	2622861	1743788
9.655117	7	4	3	2739747	4566218	4212740	3395217	2940416	2542937	2458898	2994365	2741736
19.501	6	2	3	787126.1	7490606	2642957	8742100	4774852	6451611	5672723	11590293	5140481
43.02817	10	4	3	368654.8	6351997	3697614	5468972	698458.5	12835245	3897606	4816165	4341784
9.392767	8	5	3	960786.5	6444794	2892297	5566667	2571443	11003416	5239381	3506874	5116914
9.976317	8	4	4	507833.6	1096864	494810.6	904640.1	685001.1	1472938	1663011	1034069	405399.9
9.853633	9	5	4	1410229	6640657	2013007	5789291	3141983	6898026	7659215	3786353	5739818
9.992233	4	3	1	753278.7	1221126	845724.2	1524808	1037197	620191	878959.6	1995332	2246091
10.9645	5	2	3	226230.1	468999.7	304671.9	382853.4	225808	845211.6	561615	136261.3	175997.5
5.623083	4	1	3	773831.1	12238868	2964281	11181261	3602479	13768443	13278224	10040811	15715926
9.431017	8	4	3	2410046	11777724	6674000	13485566	3279321	13685351	11111179	6898970	5121089
9.856867	10	5	5	13361300	63289585	2701929	66081051	11639796	67964904	62506856	62296457	60962170
10.49903	9	5	4	508177.3	687375.7	265948.3	933846.4	1022870	1012519	830136.8	360065.4	476011.6
9.976317	10	5	5	2173989	6168928	2366447	7038822	3018148	8040522	8783344	6555028	3881910
9.976317	4	3	1	656196.4	946129.4	592631.1	1092617	222762	744944.3	371552.4	1613189	1540552
38.95667	4	0	3	220046.1	2647424	85537.16	2570420	319164.1	2646910	2547012	2751221	2581159
9.992233	10	5	5	845619.9	1896741	785720.5	2181899	982302	2059304	3116245	1893699	1256951
9.5021	6	3	3	2935306	11539826	2151335	13528495	8255258	11946903	8218364	13343352	13407780
9.992233	7	4	3	829983.8	833105.3	437892.2	1006534	625185	965921.3	109731.8	840450.4	957429.2
9.55155	8	4	4	340112.9	839381	190635.6	901366.4	196936.3	932088.9	1070910	910412.3	642968.7
9.655117	9	5	4	502716.6	2265697	745497.2	1995616	930411.6	1947355	2884759	2099242	1276132
9.49445	9	5	4	946958.2	3020573	775305	3781037	3167770	3084714	4280695	2404201	2365048
9.787633	8	4	4	1034606	1646858	819182.7	1368039	921165.7	2125570	2850200	926011.4	1279092
10.22043	10	5	5	464136.8	2506793	821125.3	2796115	980401.6	2658745	3107951	3425155	1861071
9.900133	5	2	3	928956.9	1239848	586553.3	1388507	273822.4	1678918	257265.3	1510024	1608439



9.473733	11	4	5	9223339	51559541	33498492	65422643	50962714	10805190	21426421	86943886	73634636
9.842	8	5	3	1270635	2471530	529677.7	3101443	2644440	2876280	1649136	2959559	2580264
10.01837	9	4	5	612396.5	1248503	810796.3	1028490	528970.4	2615303	833746.1	1186986	1110722
13.60975	5	2	3	25874.64	105655.7	37491.02	95535.09	24008.65	68917.24	165509.7	86679.94	116263.4
9.994767	10	5	5	823209.9	2503116	634278.4	2761919	947142.4	3308776	1912077	3061160	2095525
10.03947	18	5	5	1406150	2909529	1570561	2386328	1704492	4296027	923770.4	1833649	2898431
9.986767	9	5	4	817309.4	1850618	879247.6	1604198	640692.4	1908565	3307891	1279663	1067442
9.94455	5	2	3	3302890	6278435	4080608	4969104	4126185	2049948	2037696	10129287	6967784
9.856867	7	5	2	1362030	1929898	349125.6	2524990	2519845	1353970	2030025	1907697	2075601
9.858833	10	5	5	2356633	16027970	1879226	16725658	2447501	16729879	15387076	13297704	18412772
9.362817	5	3	2	379450.6	674837.5	437194.1	517233.6	543910.4	1120930	784400	947788.2	0
9.508883	5	0	3	2213980	1037469	1567591	656021.7	514698.8	269458.3	82102.9	196645.7	847792.2
11.35787	6	4	2	174981.9	380956.6	108150.8	438839.2	228590.1	255408.9	483513	444179.6	449440.8
10.9645	4	3	1	292103.4	688861.1	205815	596325.2	351077.8	872175.6	893856	557205.8	412981.8
9.45945	6	2	4	906596.9	976415.5	382436.7	1376831	1678779	1285148	1130838	1207023	336245.4
9.964417	4	3	1	932834.1	2126611	941910.6	2476077	1228012	2617970	938353.6	3406557	1626332
9.992233	6	4	2	386683.1	539725.7	260330.3	646643.7	393732.1	674489.8	830846.7	577333.4	135718.5
9.960817	5	2	3	476202.3	657615.5	501822.3	823185.7	537794.5	1098581	1162427	758323.4	121929.7
7.86735	5	3	2	6068022	30707973	31001696	21196680	28726048	34653511	49899.34	14681.65	47180935
10.9645	5	2	3	228338.1	392140.6	197761.6	473445.8	299873.9	610985.4	567373.6	383570.3	157808.8
9.392767	10	5	5	2577419	20107334	4370854	17841559	8913525	25957180	18691109	14559480	18567833
28.83467	8	4	4	723390.6	5412636	4178112	4264153	2893867	1535878	5942603	710037	9384535
10.97242	10	5	5	738863.8	4503662	925647.5	4131287	1363586	5148331	4871473	3076080	4097916
18.00517	10	5	5	116328.9	412789.2	94379.2	474797.5	252774.7	294977.7	459763.8	327466.2	496809.8
44.466	12	3	3	260803.4	2937457	1780727	2384197	1699670	1028755	3164003	5814085	2316530
9.9677	10	5	5	5842075	14009378	4262417	12296093	6274077	17201839	19328508	12785656	8614182
10.97857	10	5	5	809711.6	3855673	663931.5	3506786	1378090	4210427	3946166	3215775	3178155
9.976317	10	5	5	968797.1	3625201	323531.8	3418136	842079	3825426	3849876	3902339	3323627
23.99617	15	5	5	580370.8	2728486	691524.2	3229868	2064687	2362134	2526692	1900447	3229632
10.94443	10	5	5	255331.3	1120416	473294.3	1278043	518043.8	1838836	1266272	602626.9	823688.5
9.816317	4	1	3	624562.4	405372.2	639115.1	593269.6	538661.7	0	1526198	271454.5	0
22.92933	10	5	5	35896.02	240523.4	22674.78	224609	65381.92	212431.2	275721.8	235392.6	239853.4
14.70722	8	5	3	53737.68	228674.5	80829.32	261361.6	120190.7	100010.1	269176.5	206148	258473.5
9.559567	7	3	4	2849314	5301726	2261968	4360218	3502852	4512619	7664902	1872924	6854393
9.976317	6	4	2	309385	662324.7	339014.6	538395.9	434673.6	888466.4	62256.45	821906	763861.7

9.976317	10	5	5	950186.8	2247579	889405.4	2604700	1310949	2934184	3104445	2565876	1565812
9.976317	7	4	3	357909.7	988330.2	406870.9	825725.4	595794.8	1355902	1461834	837655.2	498507.3
8.93965	10	5	5	1829771	8259924	1255830	7745077	1906064	9011753	9465230	8982425	7218602
9.4925	9	4	4	3200487	24859322	15340309	20387934	12707261	11030556	17143614	21300046	23943352
25.59717	5	2	3	173308.2	914911.9	265350.1	820647.6	325363.7	647782.7	1296889	740939	817266.3
9.9677	5	3	2	675487.9	1097014	370183.9	921235.3	681083.5	1545670	989352.1	1370246	979596.8
9.896717	8	3	5	6344213	28535630	12138210	32484704	12769813	26019054	17810486	23139216	49369284
9.275617	5	3	2	751748.3	1310092	432376.2	1596217	1170840	2062244	1274590	1046221	1017859
22.987	5	3	2	79092320	2.94E+08	4.02E+08	4.19E+08	3.84E+08	7.51E+08	551515.1	575227.7	7.17E+08
10.97857	10	5	5	1054421	2261794	267212	2906406	2757391	2064242	1934290	2276372	2583429
28.36033	6	2	4	83213.27	286303.9	80583	252237.1	127644.7	397070.6	320062.6	189931	294773.9
10.98385	9	5	3	300949	1011297	383840.5	1127514	348690.9	1099491	825244.1	459933.5	1462783
26.81067	7	3	4	700693.9	4192528	2936753	3369199	2190006	1823379	4678758	710605.2	5841933
30.296	10	5	5	328272	1609255	489015.6	1394795	813993	1650188	2300026	1532437	923088
28.577	4	3	1	72125.31	261284.2	123795.5	222473.7	121362.1	131102.5	400615.4	198185.3	189506.5
9.092333	10	5	5	22462240	66442138	35296693	88812440	91221001	68258516	1.16E+08	77653968	48876399
9.992233	10	5	5	2081767	2670301	959727.2	3420219	3118835	3646116	2810397	3477704	2033445
21.42167	6	3	3	141185.4	922576.4	264223.6	1009388	284094.2	1275338	911689.9	690267.4	650161.4
19.35783	3	3	0	63172.58	140209.8	64633.7	124821.9	16715.74	129187.5	240269.6	135521.1	136747.7
9.960467	6	4	2	790250.1	1263870	552003.4	1480541	790575.5	2187420	880463.2	1337479	844920.2
9.43325	6	3	3	1391183	5916435	5331743	4427672	3947710	2246905	2153536	12452257	10999723
23.7115	10	5	5	327721.9	1963885	408400.9	2081769	331822.6	1900497	2581749	1915016	1436141
9.559117	7	3	4	537503.3	818973	306205.4	922424.9	346389.5	764739.9	1263776	402025.3	837770.4
40.683	5	2	3	298766	3990768	716975.8	3715070	997162.5	3843191	3661238	5254066	3495499
40.1365	5	1	4	456075.7	6408736	303827.9	6679709	1136959	6396727	6318762	5997559	6491717
9.9677	10	5	5	857947.3	2377698	950617.8	2011833	1323958	3444987	3216810	2332593	1310596
9.67	9	5	4	495083.5	1260002	351437.5	1435563	690483.7	996064.7	1693840	1496456	835823.5
10.008	10	5	5	1258572	3469037	1098111	3947873	1818106	3284034	4795580	4378113	2667905
9.872883	10	5	5	2342588	8452392	1457996	8972833	1810517	9026317	8308086	6732484	10574407
9.976317	9	5	4	925668.8	1696664	913133.3	2031358	1182551	2073490	2941666	1848051	654887.5
9.842	5	3	2	2260727	6554759	2936700	5622251	2965530	9361574	4663117	7396895	2452206
40.22283	3	3	0	261468.5	3282786	570282.5	3148442	114031.5	3276595	4114141	2846192	2674019
12.11938	10	5	5	784474.8	14006280	6729287	12003974	5912953	23884093	8825463	9584973	9559422
9.93625	8	4	4	1103197	2178490	352765.6	2035846	527992	2309287	2639637	2199872	2071162
9.8322	9	5	4	772090.9	3008453	298106.2	2860847	580047.2	3465780	3157210	2810997	2774844

9.4775	8	2	5	553122.5	2604756	1311849	3136290	1969073	3475213	1091239	3687037	3518191
10.008	10	5	5	1070723	2070421	552390.1	2390779	1294985	2270112	2726127	2328663	1692390
9.473733	6	4	2	470309.7	4439254	2027352	3896089	1315058	5474580	5149829	3916445	6458534
10.95602	10	5	5	321573	1169140	308682.8	1079722	254213.7	1270403	1419105	925856.9	766319.3
28.84783	9	5	4	2726635	23969793	18863394	18821502	13067758	7229622	26116379	2159261	41907140
9.856867	10	5	5	77242912	4.37E+08	13784769	4.55E+08	79452843	4.54E+08	4.44E+08	4.22E+08	4.23E+08
9.392767	9	5	4	1574732	5242304	1110681	4819628	1525113	6003489	6466993	3891386	4281159
44.969	6	2	3	286105	2864317	1224181	3282817	1418390	700600.1	3225643	3367798	3720139
10.57323	10	5	5	1670612	7332299	1228002	6756873	2235158	8218380	8897963	6797614	5794084
10.008	10	5	5	341702.2	1103898	285192	979466.2	473861.7	1169660	1523271	1108540	746811.3
8.9256	10	5	5	671008.6	2569179	818468	2327161	711374.3	2762445	3507726	3133751	1764186
9.93625	10	5	5	15903474	61214966	9552854	58519400	7355892	76481462	63916180	54362209	52834879
9.8207	6	3	3	616871.6	1726762	471604.4	1570833	515998.3	1528657	2372384	1519007	1181637
10.9645	6	3	2	207005.9	399306.4	167969.8	472985.3	281274	283335.1	626016.5	341937.7	225493.4
11.34412	10	5	5	337772.3	722974.2	274632	912116.7	781861.7	563867.6	1192814	741487	581619.5
10.7349	10	5	4	273991.5	2404571	561497.3	2177331	843955.5	2150537	1787248	2221259	2595954
9.92825	5	3	2	957545.5	1276682	1108378	978601	734308.5	2980515	0	1104736	1548398
9.4468	8	4	3	924790.1	3867520	1313953	4461083	2286983	3388879	5226107	5217647	3263158
8.93965	8	4	4	389980.3	1072379	404865.7	969449.9	209896.6	1549560	1237827	620525.9	1275505
10.9645	6	3	3	2716434	7580305	3982586	6073105	5439561	3918724	6187168	12350122	11279737
17.3365	7	3	4	84553.78	382552	107533.1	333699.5	188616.3	437593.3	487753.1	400103.6	383218.7
10.94208	12	5	4	376928.8	519590.3	161829.2	665951	617132	759189.5	573551.8	507835.9	330783.3
40.0645	10	4	3	437330	6033764	3219624	6786994	556718.3	7563463	6766534	9871264	4604853
43.675	10	3	4	483779.9	5648303	2026742	4698506	3698854	7519653	5011640	7818881	2942150
9.912633	10	5	5	3413228	14598091	3032204	13486645	3948970	11565770	12334911	17169656	18423516
9.992233	6	3	3	549776.8	847182.5	497732.9	675622.6	587133.3	1295514	1459789	618603	341547.7
10.95055	6	3	3	208650.7	476057.4	256704.2	563338.3	295862.3	875218.6	428536.1	193904.1	341375.4
39.2525	7	3	4	1795672	49769549	2979815	47920593	7570048	53602270	49318731	46198276	51845685
9.88865	11	5	5	762794.5	2347121	564048.2	2191798	406452	1793069	3002047	2889069	1890834
9.447733	6	3	3	793977.9	2138894	764255.9	1932155	519595.3	3398712	1323237	1977124	1903179
9.328967	5	3	2	359877	2701789	927651	2274025	1661014	3023583	2024805	2920514	3958115
10.95835	10	5	5	384917	1067238	376540.7	1173971	295932.8	1295086	1617324	866411.4	832373.5
9.92825	9	4	5	4201073	16191663	9226543	18610391	5590343	17742556	15046199	23208274	23882896
10.95055	10	5	5	402697.1	2136321	672135.8	1943487	546189.4	2781202	2404853	1361495	1471577
9.928667	8	4	4	2209795	2007439	738836.4	2584335	2416588	2973699	2220694	2214771	1630026

9.46925	11	5	4	12589933	23369589	11370043	30632003	29897936	29894432	3229860	25878706	29616929
43.79917	9	4	4	343268.1	6614144	2083882	5934245	2242554	4624864	4677508	9040658	6212673
9.56645	11	5	5	27107436	71308994	27882607	79121035	21300407	1.02E+08	45616253	53709630	53971251
9.989483	14	5	5	843428.4	3477140	1838794	4076455	1975334	3633499	838928.7	2901309	5881695
10.21522	6	4	2	202770.5	588125.7	126297	661164.7	297172.5	486281.5	622996.4	794299.8	515414.6
8.98945	10	5	5	768273.1	2534256	1178330	2902821	1170136	2200071	4491772	2691087	1619490
44.521	6	3	3	296750.5	4801126	551278.3	5286576	2051534	5165412	4539419	4789668	5466253
9.859983	10	5	5	2900128	18554285	2097786	17678114	3314147	17681781	15999629	21005176	20426594
24.0985	10	5	5	8982081	71755808	5127473	69056009	10834059	70845399	80600296	67954719	68440111
13.90238	6	3	3	164963	296805.2	286967.9	402296.4	377775	112620.7	92176.66	634845.7	584913.1
9.45945	8	5	3	935632.9	3067546	1569091	3584687	1724746	3455497	5621169	2528499	1870891
10.9645	10	5	5	414555.7	1206956	393731.2	1037280	649030.8	1766561	658755.6	1229214	1138389
9.9677	10	5	5	836778.9	3350191	667043.3	3079299	1015098	3786297	4267350	2860633	2657804
9.976317	10	5	5	2365643	7277325	1726552	8043341	2956658	8368066	9158541	7967685	5367575
9.845483	6	3	3	1060543	3070435	789235.6	3434230	1419229	4104838	2559551	3279482	3355519
9.445217	10	4	5	20891676	1.05E+08	75000229	1.23E+08	37868858	1.93E+08	87292227	1.62E+08	3048334
10.03947	9	4	3	765567.1	1275082	637378.2	1503536	808076	606531	693986.7	1429395	2151901
9.848417	10	5	5	2566649	13139867	3830209	12052668	3054261	15882898	11587792	12433397	7991894
9.864767	9	4	5	6478270	28516542	10519752	31823776	10609178	31855313	14072586	35314711	39818687
9.960467	9	5	4	947679.1	3165934	786923.7	2814013	1363810	3185074	3181498	2540411	2483956
9.445217	8	3	4	2305272	4994308	1693659	6970689	8471143	6440816	6772766	5079413	3944710
23.68867	8	4	4	716758.8	3814253	1614935	3382268	1076780	1580927	5898411	3918178	3099046
9.976317	10	5	5	1493032	2537951	288814.9	2843344	1305466	2889488	2383113	2651084	2633340
40.827	13	5	3	397936.7	4586152	2218210	4058348	693676.9	6877994	4071143	1045287	5655820
9.992233	9	5	4	484244.4	1038757	201598.4	1212127	734365.1	1277511	1195497	769079.6	962508.8
9.840617	10	5	5	4743581	13547451	1785019	14893307	5654036	15429136	13850133	14767975	12800649
9.94455	10	5	5	3259837	13575083	2411991	12906990	1805581	17174505	14767372	12240089	11092813
9.856867	8	3	5	836112.5	4553255	1226987	4859918	603276.8	4937757	2443917	5014631	4730120
12.98252	4	1	3	38911.05	154175.5	55908.03	136433.6	57593.94	195092.3	193100.9	108795.8	79236.7
8.8977	9	5	4	609322.4	1227902	780869.8	1515685	1037605	1201210	2510860	1097810	399034.5
35.76367	10	5	5	689073.3	4116528	2928254	3230757	2738627	8741148	3077088	924626.8	3035135
9.43325	5	3	1	1356979	4673444	3130695	5590082	2720698	8014955	1935003	2257455	8135280
42.10733	6	1	3	246584.8	2687837	757625.9	2365397	1235369	4023844	2134906	2414998	2451819
10.9645	10	5	5	370032	1904447	310267.6	2026622	455068.1	2394169	1656002	1863007	1628706
10.008	9	5	4	345431.2	865427	167649.9	759416.8	439232.8	783154.8	866769.2	744965.8	777887.2

7.946033	11	4	4	707169.1	28183319	26090892	21523793	14513416	72904404	13771719	29188675	15986282
9.8322	9	5	4	2125906	9994069	3145814	8506336	5874411	8986369	10459955	7223634	8101161
8.9519	10	3	5	2557100	77214925	39765335	61322444	59579343	25377969	90460633	67313707	68379328
9.994767	9	5	4	724875.9	1631018	912878	1370394	747423.6	2361872	2464670	1947756	348054.1
9.331383	7	3	3	1048962	2910759	1268563	2488178	1435502	5035151	2696210	2696602	1618843
9.568567	9	5	4	2435150	8648695	1396780	8004013	2532883	10371994	9932711	7943006	7637132
9.999217	3	0	3	424139.9	466394	213545	583071	474507.5	605215.1	90942.21	579304.4	498517.8
9.845483	10	5	5	959181.7	3497368	875805.5	3269422	534073.2	2569647	3038693	4297123	4560562
9.4468	11	5	4	1509370	2837472	687832.2	4037021	5204526	2159825	2677962	3190165	3843268
9.979667	6	4	2	970349.2	1390436	807929.2	1051610	1294997	1926709	2389092	1476934	534445.5
9.460217	10	4	4	689045	3650353	1523625	4250725	2244097	2541366	5013874	5380010	3444537
29.11983	6	3	3	1141862	4441727	1448302	5198070	3056756	6114180	3687090	2514342	5578691
9.992233	10	5	5	636984.8	1465994	437808.9	1680042	853826.7	1672433	1960817	1687991	961053.8
9.859983	5	2	3	5733745	19525603	16407151	15207041	10512129	40252914	17688682	4288204	3470049
9.845483	5	3	2	566871.3	2129131	1103163	1850889	585163.5	1536708	605581.4	3056613	3284283
38.91367	6	1	3	450281.8	5627353	374454.3	6346034	3125120	5621879	5420900	6246342	5585403
10.008	9	5	4	318063.3	913482.9	209907.1	849428.7	201634.4	837710.7	1196831	883050.1	633077.3
10.95835	10	5	5	311914.9	1251859	267656.4	1150603	372155	1286442	1594855	1032485	941371
9.473717	15	5	5	9617094	62881798	11462731	57393312	21809450	58268475	54400314	82957500	57816828
9.41815	4	3	1	457987.8	1808413	1412132	2170280	812513.1	1153743	666290	3296960	3373236
9.992233	8	5	3	821135.8	2733790	602775.7	2389285	1414430	2817872	3372779	2597053	1789705
9.992233	7	4	3	344550.2	1172463	341154	1073472	293178.8	1074100	1660138	1359272	791704.2
22.22217	9	4	5	110482.1	347501.9	125429.9	312188	99893.26	241105.9	496568.1	468737.4	240457.2
20.274	10	5	5	241477.7	554530	287089.4	470203	254155.9	818209.7	890955	236763.6	357955.1
9.023433	9	5	4	413933.2	1887549	1092365	2248427	1225274	1212801	3800720	1325855	1311429
44.02033	19	5	3	323060.7	5405530	2548834	4800663	844273	4260207	4536703	9939450	4452692
9.573333	5	2	3	308382.7	349290.2	272772.2	484865.1	544100.6	574473.7	671088.7	220343.4	280545.3
17.30717	5	2	3	219145.7	1611508	330004.7	1445601	667399.5	2068020	1759614	1504751	1175569
9.845483	9	5	4	1271273	6309313	1038044	5671506	2647676	6524585	5986257	5643500	5389035
29.61567	5	2	3	430274.1	1561699	1622248	1126667	1119958	429843.3	1385461	0	4149383
9.983433	10	5	5	730831.6	1976048	725054.6	1706301	986244	2617147	2823812	1870929	1235778
43.43067	8	4	2	293982.8	3672999	1459034	3328646	451696.7	2837567	5004902	3747106	1673806
10.00998	9	5	4	322074.2	904935.2	367714.5	768804.9	496626.6	929651.4	1481471	684816.5	506081.1
9.976317	7	4	3	317074.4	831101.9	222458.7	921883.4	345279.5	796267.5	1194187	859782.1	638757.5
13.37587	4	3	1	68291.45	87870.57	40742.08	108086.7	81172.65	66590.48	62178.23	61003.07	92551.56

11.17508	6	2	3	6.61E+08	2.39E+09	2.19E+09	1.69E+09	2.34E+09	1128382	1749996	4.22E+09	3.97E+09
9.989483	9	4	5	1582802	4841421	1789778	4245058	2042895	5461259	1875740	5520117	6619304
9.967367	10	5	5	2054867	3687740	1475362	3264630	1240245	5147065	4461619	1309540	4155148
9.928667	10	5	5	555267.4	1877468	495903.2	2009858	339480.1	2659055	2018492	1740634	1597421
9.4468	9	4	4	700120.4	2972444	1691524	3700813	2827128	5071933	1775078	2301737	1255665
10.9645	10	5	5	1438676	6740297	1602768	6277397	1372614	8008699	8625425	5328047	4974549
9.842	10	5	5	3153190	13795482	1935793	13136433	2296970	16321684	15428205	12427760	12103556
9.8322	7	4	3	817510.2	1911340	757292.8	1681747	723916	2843792	2438883	1451401	945156.2
25.28567	5	4	1	123458.2	418693.4	277475	486576.2	125990.5	273863.4	874714.6	489222.9	203248.5
10.9645	10	5	5	1430970	6764036	1556399	6310170	1365825	8055709	8489861	5302254	5065393
9.976317	9	5	4	1667668	2810492	727296.5	3376339	2407366	3505889	3016663	3128209	2811378
9.840617	6	3	3	2348802	3387062	1296873	4564898	5056201	3568738	3453311	3455402	5050390
9.388367	6	3	3	1888571	10359852	8268512	13014641	8863305	20908487	9632615	3258285	1667148
9.445217	12	5	5	2.42E+08	2.33E+09	7.96E+08	2.12E+09	5.52E+08	1.74E+09	2.48E+09	2.34E+09	1.54E+09
9.8445	6	3	3	1371368	4834956	1952212	4303882	1426208	6176820	2098045	6716782	3520702
9.983433	7	4	3	572323.1	1079506	358243.9	1187504	339329	1614579	1226527	964196.2	921643.9
9.964417	13	5	5	1968856	5214563	2766417	4345374	2849652	4557718	5145387	2973927	3476477
10.95835	5	1	4	317824.9	776814.8	331342.1	892564.2	411400.5	866784.8	1291969	422236.3	586121
10.9645	10	5	5	560227.3	2310290	437880.4	2508796	783932.3	2702845	2777046	1813311	1926187
22.251	10	5	5	441859.1	4291692	1591198	3885124	927687.4	2898409	6980244	3949865	4254697
14.44302	9	5	4	110751.3	896404.5	131317.3	847530.6	179883	817418.5	1128382	818130	860849.5
9.616167	6	3	3	458190.1	955842.9	274119.7	845753.3	418624.1	1269475	1176130	900549.6	850835.5
10.02372	8	5	3	273961.1	691381.7	203945.3	569204.8	508374.3	715967.6	885082.8	443513.1	523999.8
9.915583	5	2	3	1257924	1710873	471727.9	1866389	532164.5	1908887	1194286	2340427	1291427
10.008	8	5	3	266258.9	603992.6	140029.9	518877.4	354930	671544.7	789164.9	587949.7	410435.4
10.008	10	5	5	578141.9	2028386	187588	1860687	721381.1	2091185	2115965	1700125	2064570
9.964417	10	5	5	10829328	29026690	11570407	32823290	12972806	40114679	42988264	23031618	19225090
9.659033	8	4	4	264042.8	696318.3	157549.7	983663	1259418	676368.8	834098	826442.6	699292.7
9.960467	5	3	2	452743.4	771708.7	555980.4	603800.1	531649.6	1192018	1505419	551371.3	168785.8
20.8785	4	3	1	121987.4	386457.2	166879.1	324380.3	229049.8	165707.7	522149.2	329401.5	333218.9
9.573333	8	3	4	1178671	6442882	3268990	5216224	4545915	6290125	4523332	9101938	10136641
24.609	9	4	5	224030.7	1143121	433896.9	1024996	320646.3	1364600	1148410	697119.7	1743165
17.6875	6	3	3	58740.07	170676.8	60196.4	198243.3	109474.9	118131.1	120842.4	251268.7	217049.6
31.7685	9	5	4	4245199	27365577	13849664	23016941	14340338	22134129	26080016	7596438	39525713
24.42083	8	4	4	274490.7	986289.1	330911.4	789804.8	818738.1	872351.5	817952.9	735717.1	1562504

10.9645	10	5	5	392491.2	1656406	409999.7	1535097	376105.8	2124417	2058477	1227374	1363868
9.283817	6	3	3	466039.3	1082663	642710.1	1375478	1163367	2013732	1490205	659678	727860.9
9.3919	6	3	3	5838847	7677039	7357644	13387064	24424711	2422937	8822041	3099666	20049702
9.8322	9	5	4	3589649	14958351	1461440	16188393	5290140	16805146	15910147	14103639	13090087
10.95835	8	3	5	477099.8	1204366	434241.9	1065770	464977.7	1868117	1326815	871737.5	771183.7
9.406667	9	4	4	1786908	13172064	4371025	11683016	5247159	15738820	7380645	9740552	15412242
9.041133	10	5	5	5019747	35204949	13271298	40304832	19170387	29188126	58693680	32518814	27636171
9.514733	5	3	2	624212.2	1478986	661528.2	1887105	1713260	2536097	1476858	1260949	1403451
9.976317	5	3	2	484656.8	626340	485475.7	444448.4	676706.1	974707.8	1237514	455287.8	0
10.008	5	3	2	537786.5	573118.9	333525.2	696481.2	456166.3	792664.5	0	780807.5	560870.3
9.992233	7	3	4	552514.2	612887.7	256260.3	759199	608512.3	677151.1	1009099	570466.5	325184.2
43.15717	8	3	3	383044.7	5220189	1435699	5755578	1989949	5625495	4045953	3632530	5560506
9.992233	8	4	4	382926.7	1023290	276264.1	916473.8	403471.8	1118734	1370285	966531.7	608891.8
10.93618	7	4	3	242340.9	705676.2	229569.6	811055.1	420862.1	673271.4	561085.5	681077.9	516708.5
44.9835	9	3	5	500982.1	5539560	1466946	6340327	3310788	6274403	4773568	3329078	6457522
9.559117	4	3	1	199724.6	344141	197480.2	262320	317274.2	475777.6	394383.7	150234.6	128265.9
10.97242	10	5	5	1081248	6182098	876674.1	5862086	1177922	6765023	6721950	5109950	5352978
9.9677	10	5	5	1769154	4654577	1460148	4104179	2057434	5646274	6615576	4099384	2947445
9.992233	7	4	3	607600.4	593058.9	281770	736620.7	586780.7	848491	699530.1	818921.8	206313
9.864767	9	5	4	1148641	4940890	2210845	4323307	1779321	3289129	1910712	6485740	6917985
10.12955	6	2	4	1.19E+09	1.73E+09	2.09E+09	1.05E+09	2.34E+09	4.88E+09	1.01E+09	6518120	3078386
37.64733	9	5	4	791402.6	15733685	2539351	17893341	9327556	13231988	17501029	14925338	19203908
10.3061	9	5	4	282354.6	947158.8	421029.7	839573.2	253628.6	791776	1550133	1138687	427070.6
9.433	8	5	3	602149.2	2876061	1376599	3300350	1388092	3289799	647175.1	2644482	4282060
9.960467	10	5	5	2495534	4906562	985224.3	5707464	3451313	6083373	5312441	5332135	4162599
3.68215	9	3	5	1035754	18248612	12681731	14921766	8460830	0	24644423	24291741	10761348
9.976317	6	3	3	1052033	1336622	273762.6	1514336	752493.8	1198814	1507317	989742.1	1696145
9.8445	5	3	2	1232897	3211751	1721046	2631495	2043517	5628615	1591028	4369790	2489170
9.3919	10	4	4	9280802	57641581	10341767	66482948	38227231	50968769	55443995	73517506	47001974
30.29483	8	4	4	285962.2	1607836	306012	1462730	585459.9	1901788	1867053	1632294	1155395
9.365833	7	3	4	806826.6	3620370	2482738	2978836	1569239	1397373	2945262	6174646	1274844
9.311883	5	3	2	411763.9	2076377	1110831	1723649	1187947	2207521	495361.5	3629951	2022476
9.848417	9	5	4	1546814	5174251	2143384	4177885	4004199	4621995	5078672	2991806	4433706
11.8546	10	5	5	1095766	8850168	2206314	10344933	6361027	6764898	11679117	10496148	8537241
24.21533	10	5	5	1041877	10581196	4349925	9125729	5105603	7442906	13630523	5364306	10472953

22.611	8	3	5	98536.87	335695.5	110365.9	370144.4	114406.2	271494.7	457018	361390.9	180726.3
11.53673	10	5	5	153126.2	827976.1	94453.35	893877.2	281371.5	914037.8	934949.8	814331.5	721562
12.25235	10	5	5	301506.1	2119710	705118.3	1833713	1105656	2828122	2600747	2204886	1015528
9.960467	6	2	4	1150640	1829711	352177.6	1701145	475518	1665989	1397507	2343783	1956926
10.78613	8	4	4	260471.1	723674.5	248093.5	653408.6	208675	482324.7	1051371	922918	587492
9.45945	12	5	4	1897075	8998962	2116600	7728946	5343302	12168976	10174656	7840746	7221896
10.95602	7	4	3	273643.4	880437.6	144586.4	973942	396789	984191.1	877597.7	827304.5	1042132
10.92208	5	2	3	190912	1069426	335894.3	960977.3	371479.1	764779.7	1545650	846575.2	894157.5
9.992233	7	3	4	366708.2	557517.8	141338	654387.3	413468.1	674195.7	719886.8	558852.6	434928.7
42.8985	8	3	3	620644	5315019	2421593	6092960	2656404	8104793	3359501	3426056	7807721
29.84833	10	5	5	1913456	16064216	2078482	16716927	2186370	16126705	16502590	13101182	15671486
10.95835	4	1	3	282488.7	475868.8	139139.5	544251.6	278922.5	536916.4	619905.9	559822.9	285820.8
10.9645	10	5	5	1847647	5998892	811391.6	6824407	3608443	6602558	7092012	5622090	5164339
10.008	8	5	3	829378.8	1013992	110688.5	1330139	1403587	1052490	1015328	1124388	1048541
9.976317	10	5	5	2190973	6137850	2354200	7006930	3239203	7805338	8772149	6749984	3703052
9.848417	10	5	5	1306033	7483423	1101615	6729398	3220950	7115310	7632225	6267489	7155074
10.61757	9	5	4	315240.4	1237254	245298	1153294	300324.7	1128456	1619743	1141854	978470.1
9.94455	4	3	1	1179022	3375293	1815595	3915053	1713649	2503904	2607214	5737363	4745441
12.03522	8	4	4	67577.19	194688.9	57755.46	221939.6	110343.7	229438.1	112197.4	256452.9	161057.3
10.97857	10	5	5	404138.8	2092259	760470.8	1833201	925270	2770264	2497933	1347371	1189122
10.96997	8	4	4	336350.9	1212636	403776.5	1465374	1071601	778267.5	1696906	990827.9	1011385
10.09898	11	5	5	3251916	9651435	585768.3	8958522	3048773	9780377	9873035	8721586	9570720
9.433	7	3	4	582869.6	2814753	1503027	2428075	953259.6	4995242	1804185	2040594	1480443
10.94853	3	0	3	203295	712707.1	329733.3	624710.8	237467.4	458130.8	893695.6	317832.2	757629.8
8.93965	10	5	5	1756419	6762197	1773464	7265684	1514997	7944072	8938311	6851975	5536702
10.9645	10	5	5	552383.3	3438277	678002.4	3231604	678186.6	3613185	4464535	2753707	2903502
9.960467	10	5	5	1337432	2928928	691333.9	3327240	1675950	3826565	2209255	3472233	2696343
9.994767	10	4	4	2573248	4223559	3341794	5182243	2933037	10190272	2486270	2840749	2592007
9.536783	11	4	4	2115578	4910003	6805134	6972060	6728852	1217153	1955977	2902039	17028153
9.94455	9	5	4	1114755	4075956	607927.8	3807754	1071962	4806405	4343204	3410162	3477010
27.36967	9	5	4	143648.9	692489.2	299829.1	619480.4	147293.9	1015436	891876.6	371778.6	376783.8
9.976317	9	5	4	945317.7	2270161	898626.2	1967903	1075324	2658162	3506314	2280597	1124655
33.61517	10	5	5	415575	3014622	872394.2	2777472	666695.3	4138465	2858756	1727232	3330188
9.960467	8	4	4	723981.8	1144577	559022.1	1285835	332095.6	1394396	205207.8	1649713	1365300
10.03947	9	5	4	267606.7	827009.5	138814.3	742190.1	359830.8	603794.1	871456.8	891166.4	969734.7



35.59933	9	4	5	210162.8	1473603	559640.7	1291445	633817.4	2008532	1200212	681789.5	1988074
9.684583	9	5	4	969835.6	3142745	541275.1	3500387	1530490	3602037	3579645	3339077	2856031
20.28867	5	3	2	26271564	82960360	1.13E+08	1.17E+08	1.1E+08	2.05E+08	438049.9	2.08E+08	352923.2
9.732983	3	3	0	312519.9	559193.7	212362.5	660200.1	411879.9	529344.8	760718.8	777933.4	277879.4
9.9677	10	5	5	2392173	8734901	2133735	7827260	3595989	9875317	11551855	7351783	6078629
9.999517	6	4	2	268848.8	804381.8	332716.1	709050.1	292642.5	268686.6	1162147	830996	791500.7
10.01477	5	1	4	789194.6	697547.5	411170.9	848472.4	565986.4	1084013	1145121	286178.9	301795.2
9.960467	9	5	4	1862564	2047434	463050.7	2344685	1270535	2298295	1443582	2604980	2166871
9.43325	6	4	2	699817.6	3403715	1623147	3827726	1104052	4899730	3988068	4774365	1427753
9.3735	4	1	3	481837.5	627476.3	437957.6	487679.7	480905.9	1185994	845767.4	515676.9	589943.2
9.932033	10	5	5	22152424	86316074	17770568	82073211	7829359	1.11E+08	98604635	72734415	68712781
9.992233	7	3	4	9808899	6691466	8365036	4248704	7720573	640616.7	1200852	11716466	19078030
10.94443	6	3	3	302248.8	652877.6	257789.8	722153.7	193168.1	322532.9	627301.8	532731.3	771987.8
10.12327	10	5	5	1215586	3936864	1041656	3502746	1717366	4186558	3256152	3083725	3515435
10.95602	9	5	4	241731.8	567435.9	84283.73	500762.1	290630.2	555733.6	484051.8	558284.7	530648.4
10.95055	6	3	3	232157.1	736250.2	206291.5	664236.1	264234.9	983807.9	917334.4	494018.9	650046
9.431517	5	3	2	456622.8	1343158	855322.1	1067127	962481.9	1462724	1344912	741951	479605.7
9.915583	3	0	3	776944.6	1800804	702440.7	2073220	1051471	1675072	698153.3	2535265	2248555
29.83417	10	5	5	1661760	13273488	1969343	13884858	2066137	13093053	13615447	10744558	12701349
9.880683	5	3	2	2186101	3363299	2707137	2521953	2847218	4034893	374792.8	1698722	3205182
10.9645	9	4	5	211263.4	575371.3	291566.6	653034.1	213931.2	926759.9	834205.5	467370.3	247456.9
41.316	10	3	2	300225.6	2921502	1280356	2632779	260081	2722571	1314752	2607383	4873191
10.9645	8	4	4	195280.5	626018.3	176340.6	537250.7	368920.3	916559.3	593879.5	641803.1	465486.2
9.853633	6	3	2	1047968	1936266	633447.5	2407465	2051572	2127367	1392372	1413488	2929062
15.00018	10	5	5	3859557	9505956	8127552	13580304	16926362	20906087	6067443	15059483	2380377
26.32467	7	4	3	180215.7	1366987	351913.7	1240395	473985.9	1126218	1925898	1188181	1093183
9.976317	13	5	5	7693899	26376837	3171231	22964543	15132158	28545935	29722282	27589480	22672795
10.9645	10	5	5	606843.3	2206554	443673.4	2411618	837895.4	2644223	2721706	1919070	1758852
9.983467	10	5	5	9618344	18303942	8042446	20284600	4409066	29210066	20467965	6918895	16036943
9.41815	5	2	3	1365766	7548498	1474974	5917926	7242543	9091394	8068826	7698361	5104122
9.43325	10	5	4	1371600	11554278	2744943	12493356	3426654	9342680	14354757	14740876	9418054
9.27445	12	5	5	145033	1862180	283137.1	1640683	969526.4	1834098	2353441	1758910	1642800
9.388617	7	4	3	629307.9	944199.2	777737.1	729409	637241.2	1051560	0	691367.3	833730.6
10.96015	6	3	3	1686468	5308286	1219234	4798652	2031504	4435976	7065875	4170669	4813942
9.311883	6	3	3	3455762	11674264	10905890	8649802	9035897	23690924	4532225	4739517	23431213

9.445217	11	5	5	35457932	2.91E+08	34075794	2.61E+08	1.32E+08	3.37E+08	2.81E+08	2.45E+08	2.84E+08
10.03947	9	5	4	623702.6	781324.9	209795.7	1025030	1086260	527930.8	958549.8	757933.3	1024672
9.37135	8	3	3	1321265	4985042	4832829	3662227	3877201	1430658	771571.5	2225084	10209055
42.23667	14	4	5	339478.3	5024878	2557252	6134755	4478013	5118351	5669853	5610051	861996.1
10.008	10	5	5	661126.8	2252138	442936.2	2061225	769052	2502519	2798383	2325359	1675762
9.856867	10	5	5	796603.5	3172191	405963	3333198	631593.7	3291191	3450419	2508299	3091812
10.95055	10	5	5	1332765	6041131	1647192	5568609	1484316	7800017	6798285	4503815	4078046
18.65817	7	4	3	188785.4	463638.6	222295.1	516892.2	106014	795311.7	417129.7	558688.9	319215.5
9.976317	8	4	4	791156.3	1404179	830874.9	1605566	425522.6	2284900	87055.96	1877969	1498962
9.0035	8	4	4	170514.9	437044.4	336988.9	609469.2	722555.3	483691.4	910191.6	545879.5	219604.1
10.95055	6	3	3	717078.8	1903224	356277.3	1690918	909824.5	2186057	2334901	1801997	1449802
29.20333	9	4	5	1552565	13321615	4549137	12176933	2790567	10096977	13228452	12147787	10048987
10.02372	10	5	5	290327.7	749891.2	134990.7	817289.8	281317.7	900031.7	797060.9	836201.5	623130.6
9.516467	15	5	5	6319006	39745274	11445855	43586402	13927586	39257048	24391560	33732315	48115231
19.68067	10	5	5	907543.4	4487055	760840.3	5039598	2413979	4962001	4281068	5549112	3951433
9.976317	10	5	5	998636.9	2645716	917647.2	2955063	1125353	3119199	3624461	3051488	2101063
10.9645	10	5	5	586556.2	2201221	365293.4	2398347	834532.8	2606608	2567876	2044239	1790761
9.992233	9	4	5	502466	851838.6	432498.9	1051741	822069.7	743660.6	519023.8	1586163	852651.6
9.333667	8	4	4	740198.9	4030009	3215581	3266532	1463416	2976323	3479564	9570209	2929866
9.536783	7	2	3	664820.4	819766.3	366005.9	1054351	1014922	1164131	1010119	839589	879296.2
9.445217	14	5	5	15214258	1.27E+08	28575988	1.18E+08	35786572	1.09E+08	1.4E+08	1.72E+08	1.09E+08
9.4159	6	3	3	815752.6	4183452	2058681	3608290	1754222	2928628	4960763	1509472	6911969
9.960467	6	2	4	2117095	3027906	1961920	3771698	2878360	1578510	483647.2	5336088	4063512
9.530583	10	3	5	2512206	8676202	3729226	11900280	14262057	4306900	5817097	8437844	11945839
10.9645	7	3	4	218674.7	599418.4	226240.8	540591.9	157598.1	848784	843468.9	432137.1	466605.6
9.992233	5	2	3	293134.3	609547.6	230521.1	514932.7	377095.3	560979.6	248339.1	729883.4	646192.1
9.992233	11	5	5	665447.3	1702732	857511.8	1967342	903821.2	2315410	2854409	1456952	1057754
19.67967	10	5	5	4596263	35506498	2705901	32533496	13283752	39038320	33329117	32296405	36281965
29.31933	8	5	3	196843.7	937296.2	326818.2	849517.5	251629.7	869619.2	1275518	713687	555245.2
9.992233	9	5	4	1141570	1264717	569373.4	1486915	870856.6	728410	2195245	1344012	1139404
9.840617	8	4	4	665692.9	1920815	336093.5	1765341	641149.1	2054180	1364029	2247631	2048376
9.904767	10	5	5	8451708	82657917	5171194	79071025	15669478	87244033	84995753	78034072	76195526
9.842	6	3	3	2162914	4191194	3695017	3265610	2260125	1977481	9487405	1230659	1591511
9.983433	10	5	5	4868414	13279547	4613589	11700209	5830324	16796973	19167146	12328248	8196246
39.38833	5	1	4	358388.2	5585722	1237855	6278915	2961253	6124482	5846324	6209930	6351784

44.27917	5	2	3	394125.9	4317512	240651.2	6045479	7844837	4200001	4099550	4290859	4726673
10.10793	14	5	5	5069213	18135024	4371955	17032807	2749104	23355385	22287257	16198256	13885168
9.3919	10	5	4	2356316	15493805	4727700	17199409	6485606	13830663	8851158	18065188	21480308
9.872883	10	5	5	1687514	6040946	2160785	5215899	3217287	5933484	6304526	3599711	4944707
24.10183	5	2	3	89615.91	250063.4	116661.8	216322.7	108521.5	119121.3	364605.8	311354.8	129104
41.61817	7	3	4	370988.1	5001121	1334243	4484463	2026518	7242140	3865732	4716790	4148077
9.4925	5	2	3	2404382	5826960	1844868	8361319	11419209	3937324	3883952	7630445	7533217
11.52297	5	2	3	85931.63	168114.6	67647.81	207483.8	169320.7	200477.7	258547.9	92213.44	177974.7
10.9645	10	5	5	3546930	16653847	2714122	15706799	3543800	19168770	19747481	14842813	13514119
28.836	8	4	4	211359	1351909	1086157	1072584	738038.8	404050.8	1782424	117145.6	2764428
31.13783	6	2	4	38038.34	138529.7	96307.03	162608.5	58920.57	195160	103382.8	111504.5	14983.1
14.15748	10	5	5	472450.3	3420300	951823.1	3056052	1423618	4202583	3750774	2242762	2582635
9.887133	7	4	3	5915421	10610150	16863228	15833694	18044448	3535648	2086571	3861637	40751134
9.55155	4	1	3	204124.4	398972.4	249673.2	319565.7	280296.5	499558.7	568114.7	658131.8	176927.1
10.01477	10	5	5	1027155	3169619	859911.6	2831541	1335677	3605634	4346425	3055398	2068990
20.46733	7	4	3	59881.02	169607.5	50171.22	195818.6	111117.8	92334.78	187966.8	195118.1	150589
16.896	9	5	4	148207.5	524992.2	178686	601168.2	308950.8	785501.9	340047.4	410097.5	468268
9.983433	9	5	4	497136.8	1373316	386307.8	1236607	516145.3	1821495	1478597	1615221	904339.4
10.95602	7	5	2	1554321	3561141	1868042	3100961	1076703	4161070	6532631	2421225	1838865
9.857683	9	5	4	1072501	3422922	1276424	3907777	1892599	3917804	3710219	2613984	5099858
9.999217	10	5	5	2049103	5613422	2049004	4873706	2824033	7111418	7985660	5896821	3208336
9.514733	10	5	5	2070795	3448195	2348633	4221272	2801348	6197615	2064153	2859307	616472.6
44.87733	4	1	3	107729.1	476832.8	132306.6	511892.9	99444.85	600768.6	453036.6	576066.9	487534.9
9.864767	10	5	5	1720224	11446929	628643.9	11873841	1870053	11198712	10512360	12185190	11638276
9.43325	5	3	1	789576.9	2095606	911245.4	2398735	1106855	870388.1	1798933	2470787	3352359
9.91875	8	4	3	1921782	6734187	2775254	7496028	2298653	10111857	4511598	9267405	5677630
29.76183	10	5	5	461610.3	1725180	565238.6	2026863	1285514	1136235	1658460	1753997	1434711
26.37983	5	3	2	187060.6	971334.1	871640.4	1190558	551816.3	489111.4	359710.5	174204.8	1984261
15.61058	6	3	3	55620.22	251615.5	73863.59	222272.9	116727.6	339834	268694.3	245631.8	135695.1
9.992233	10	5	5	1017132	4463362	1071473	4093795	1381394	4542266	5999353	4034374	3052024
22.6675	7	4	3	118234	378606.5	158405.2	336639.4	119530	293252.2	646597.6	243622.5	385668.7
9.488133	10	4	4	3455762	11724620	7465022	9708856	5946133	10276896	11196371	294470.5	18529958
10.95602	10	5	5	921122.1	2360339	824241.4	2602045	797209.6	3676516	2375517	2339873	1454585
9.374083	9	4	4	1326035	3587686	3701305	2728585	1512656	3713379	2282513	9869063	484928.7
9.8445	9	5	4	793259.5	1924816	832064.4	1684814	777960.8	2957587	2661281	1610574	1158101

9.365833	8	4	3	827565.1	2941556	2858275	3643407	1649748	7818040	2569691	2584833	991713.5
10.95055	7	3	4	203852.2	474630.1	160491.9	538870.5	256807.7	585366.5	648535.8	495744.8	403407.7
10.03947	11	5	5	7874607	43482277	3766849	41661021	7651516	42537613	39144336	46832909	47909009
10.3828	9	3	3	314966.1	365366.5	229563.9	445597.4	303014.8	400270.4	746339	290461.3	213568.2
9.91765	8	4	4	1346510	2135505	553527.1	1998241	335440.9	3021098	1835497	1923461	1604815
11.39828	5	2	3	205939.7	1032896	573507.4	847793.5	666684.4	211872.8	714802.2	1616418	1461589
9.992233	6	3	3	1045349	1118227	261410	1436268	1439037	875602.1	858669	1297956	1102233
10.877	3	0	3	197741.7	197144.5	154835.1	243058.2	153939.1	134860.7	272903.5	64728.75	81016.42
3.5906	4	1	3	5207026	92283922	70644090	74869590	41837962	359589.2	1.85E+08	1.35E+08	60683876
10.008	10	5	5	553152.7	1738265	384741.7	1603003	513341.9	1844217	2228550	1924225	1346696
9.949233	5	3	2	982262.1	1812483	850177.7	2070854	887711.4	2245457	1251073	1607475	908937.5
38.1505	9	4	3	3066039	28472662	45414795	42956430	51798395	6486459	3896428	10175163	1.1E+08
43.47383	5	3	2	352002	3701292	1665931	4071988	393140.2	4119728	3705879	927783.9	4391021
9.295167	5	2	3	1625565	7080649	5293382	5575604	4827133	1040676	11064664	10747647	11017561
9.842	9	5	4	1161822	4525899	1042076	4087003	1789310	4476025	4110613	3661393	4064374
9.848417	10	5	5	12312930	30205696	4302542	34301239	18425049	35211707	30423950	28998186	32636600
9.920517	11	5	5	4037664	17147150	1822251	15518877	7310215	18013586	18774739	17008794	17851987
9.967367	7	3	4	761994.1	1160560	622846.6	1014477	286429.7	2054858	419295.3	838619.4	1039346
22.537	10	5	5	430110.8	1683252	665668.9	1511577	470772.9	870241.5	2712585	1644376	1462824
9.960467	9	5	4	1346619	2202812	463776.8	2654669	2037448	2549331	2117836	2768227	1978326
9.464933	10	5	3	736578.9	4586908	1612057	4101357	1662938	5573344	6718078	4554526	2799746
13.36215	10	5	5	163537.6	1116720	539337.3	923587.2	742765.2	1323349	1613143	744861.7	367477.2
24.00133	10	5	5	2800483	25517969	2943860	26356951	2710920	22516225	29757701	24001309	24023237
15.54018	7	3	3	372967.3	5089134	2513615	4369724	2336899	6747106	5663236	2011341	3025618
14.79588	3	3	0	49482.48	232013	196308.5	186889.6	77354.85	574399.6	76354.78	181920.2	143126.1
9.514733	11	4	5	4596614	25265588	15873752	20965475	12958846	44256909	28345481	31217354	1014940
10.03947	6	2	4	1285385	2427827	1593998	1960391	1560837	585735.7	915927.4	2979064	4184596
9.49445	4	1	3	257010.8	381727	276767.1	552221.3	746502.5	419259.3	625481.2	649680.7	214213.6
10.9645	6	3	3	258795.4	663002.2	185412.1	596652.5	255340.7	570421.6	779846.5	398911	874523.8
44.02017	6	4	2	435800.3	10021841	4214357	9102715	348582.9	17510227	8928732	7937728	8126856
9.960467	7	3	4	624517.8	1432264	635206	1256232	549430.9	1066750	531301.6	1928399	2068183
26.4115	7	4	3	633300.6	4361065	5212544	5840889	4770627	1778946	2454642	304532.8	13398898
9.848417	9	5	4	1687254	5913736	2102510	5388138	1341361	7204149	7897455	3057308	4320061
9.032483	8	4	4	625290.3	1881958	815884	1651779	736765.8	1718001	2776845	974317.6	1264785
9.45945	10	4	4	2295062	11547307	6699618	9907258	3933791	12705375	2358955	7474600	19003152

40.7265	9	4	3	808834.1	6424322	4606343	7926751	5501664	4616482	3714519	3941011	5256353
9.119933	5	3	2	1973973	5724968	4365808	4510228	3825534	1556130	2650275	6125181	5552707
9.392767	9	5	4	820422.7	1333291	559484.4	1182910	450455	1695861	1323789	777054.6	806182.7
9.983467	4	1	3	515537.7	991176.5	407003	1110999	404149.4	1179890	472449.4	663695.2	1451304
10.9645	10	5	5	429955.3	1929378	498994.7	1787633	459724.9	2454446	2382539	1478877	1371634
9.43325	10	5	4	780620.5	3901744	1392126	3354907	2196235	4455381	4336308	3503976	5467195
9.960467	8	4	4	797485.9	930793.5	405103.5	1366620	1980654	1022050	649223.8	864473.1	1574618
9.983433	10	5	5	4853638	13361109	4808463	11782015	5828000	17526882	19114853	12349115	8091901
9.55155	5	3	2	210721.3	363764.5	194989.9	291204.2	285724.5	542492.1	538134.3	374562.4	290005.1
10.48497	5	2	3	135615	277873.9	75111.2	252954.7	92599.07	286752.1	180379.3	311796.6	233330.9
10.02372	5	2	3	261383	418595.3	292179.6	490704	179491.2	522247.9	0	691876.6	639375.1
9.842	9	5	4	1069264	6111351	638347.1	5873227	938947.1	6102271	6326520	5324106	5771476
10.96452	7	4	2	256156.8	738638.4	219836.1	854674.6	500489.6	587467.4	472357.5	865557.3	740307.7
9.992233	5	2	3	622435.4	967545.2	691444.7	1166826	659212.3	751549	159888.9	581285.4	1485022
9.992233	7	4	3	531140.3	807689	439290.2	1025490	929971.3	939809.6	1503275	691100.8	406467.4
10.9645	10	5	5	397840	2062117	611338.5	1865453	717055.2	1990525	2361016	1303321	1743283
11.00657	7	4	3	56268080	65993338	1.46E+08	1.1E+08	1.55E+08	706856.5	1110555	466074.4	3.27E+08
9.445217	8	5	3	1488399	11213927	2878272	12911136	7440549	13894539	13431742	11292883	10803697
9.960467	10	5	5	3331350	8407621	1562283	9269901	3748644	10020519	8943936	9496840	7259424
9.94405	12	4	5	1623257	2486040	1050591	3100604	2692694	4314339	1942412	2284068	2218410
8.8316	7	3	4	345973.5	755127	496546.4	917523.7	599779.4	678559.8	1396523	994014.8	660624.3
41.84867	7	3	2	260362.3	3722166	1133198	3471676	280963.4	3673162	3724868	2351663	5491746
9.929783	7	5	2	1086249	1500653	130224.4	1317275	840704.6	1642560	1431740	1341144	1460958
9.929783	10	5	4	925122.6	2427224	1479452	2087622	609493.8	1771943	384641	3006896	4373502
9.994767	8	4	4	431200.8	1021891	425979.2	1150541	447501.3	1535553	1407033	893721.2	648506.9
10.57323	10	5	5	1645023	8173330	1364073	7794117	1205334	9237458	9544907	7005561	6475955
9.999217	7	4	3	826775.6	1219844	668882	977828.8	944789.7	1560815	2129020	1264428	515032.4
20.85217	7	3	4	83207.3	206587.4	34159.4	183218.2	104053.2	252954.1	181669.6	228790.7	199777.1
10.9645	10	5	5	1471591	6439935	1482783	6012201	1422446	7645836	8176652	5329196	4683587
9.972483	6	3	3	206919.4	428241	312708.6	336424.6	311292.5	124929	173531	428873.9	508277.9
9.640367	10	5	5	13489958	52852266	9314691	48987109	15881913	58014572	65779452	51650527	46558987
7.012683	4	3	1	571021.8	6579650	3571222	5343618	4728369	5820417	6366694	3269228	4831004
9.874317	6	3	2	839601.3	1595269	241688.5	1939863	1583046	1803734	1349849	1456277	1901379
9.4775	13	5	5	14173388	1.01E+08	26927984	1.1E+08	34364404	1.34E+08	68654422	79470916	1.02E+08
9.659033	10	5	5	1957165	4506738	1485610	5221678	3050232	4315968	5208185	3444206	2909368

9.8322	9	5	4	1326694	6386577	1540082	5847626	2078058	6577568	4393907	5658303	6716276
9.445217	14	5	5	4622630	40986468	8903634	38382629	8833122	32538237	48207412	51953049	32518812
9.859667	5	2	3	1125582	3156506	1282539	2802944	1118885	3451866	1844288	3009989	5165129
9.473733	7	4	3	1409320	3030699	4167466	4156565	3460912	10462034	1493776	1456614	1062721
9.445217	17	5	5	1.8E+08	1.5E+09	3.85E+08	1.38E+09	3.8E+08	1.32E+09	1.89E+09	1.93E+09	1.24E+09
10.00385	9	4	5	718240.2	1788466	850931.7	1559894	696828	1867536	301860.2	2315297	2143035
9.845483	11	5	5	4337291	16561963	2711842	18172832	7103852	19459601	19519090	14255757	14212910
10.94443	6	3	3	181121.2	421072.7	174034.9	501087.7	338740	600872.1	605835.8	369452.2	303693
9.960467	10	5	5	3813404	5799957	1847373	7012037	5402504	7871265	5580463	7203278	5183678
9.960467	7	3	4	554444	1239507	509825.6	1378710	436116.7	1664846	1803460	1247613	887887.2
9.942317	11	5	5	2320977	11715969	1828560	10734869	4274113	13532385	9685091	12490464	9824425
10.13345	7	3	4	598072.8	1346251	343508.8	1259752	233660.2	1944423	1229489	1233645	1261503
10.01477	8	3	4	375939.6	555174.6	202242.5	698365	642884.9	274998.1	617851.6	501604	834882.3
21.697	10	5	5	1706290	16720264	2997043	15247936	6331768	21017243	13907213	13868837	16910996
10.9645	10	5	5	315301.5	1277392	266815.7	1186594	346827.2	1549102	1569401	1045858	1019416
9.94455	10	5	5	2601233	9920151	2095040	9374247	1590378	12384759	11887279	9146343	7688761
14.15748	10	5	5	634439.4	4971104	1493376	4502179	1702344	6478529	5408544	3010671	3835736
10.95055	5	2	3	323034.5	573956.4	318990	680700.1	404076.2	980317.6	749762.1	600674.1	381087.7
9.324967	4	3	0	1100266	1065524	357792.9	828485.2	1059620	1427129	1386249	936851.9	1021734
10.9645	10	5	5	466311.5	1710917	235635.1	1608521	429099.5	2115751	1704477	1589555	1522097
9.976317	9	5	4	1230673	2156643	1055473	1806352	1319864	2771975	3626817	1852994	921955.1
41.71917	12	5	2	354163.4	4896885	3105133	5795901	3040527	589771.9	5631115	9272873	4443685
9.45945	15	5	5	62423256	5.02E+08	84771977	5.48E+08	2.03E+08	4.16E+08	4.93E+08	6.41E+08	4.59E+08
10.008	10	5	5	639676.8	2239596	508357.5	2014691	947407.3	2452522	2868042	2282211	1480668
9.845483	9	5	4	1216486	4133961	1131839	4560857	1712476	4450236	3579310	3389003	5981750
9.830833	3	0	3	701367	960619.5	640206.1	1104957	238588.1	1393404	0	1634104	1068315
8.949567	5	2	3	195527.3	245173.8	123059.6	203266.2	160518.9	345213	381938.9	222679.6	202794.5
37.02867	3	0	3	314564.2	3625060	140890.4	3798412	798953.2	3763085	3409519	3564375	3676006
10.96	8	3	5	459462.6	806108.6	317390.1	705063.1	371434.3	1080863	966896.7	952007.1	751269.5
9.999217	10	5	5	910313.4	3242891	741857.4	2954569	1170949	3554549	4077621	3543784	2152061
9.9677	10	5	5	6269265	21002379	5797476	18976086	7873809	25103414	27413710	14327905	15575874
18.02733	9	4	5	17210010	1E+08	16461431	94649917	20075147	1.2E+08	1.08E+08	89497776	78051916
9.874317	6	3	3	632758	1534373	276140.5	1751004	982602.4	1521315	1561682	1348698	1977107
9.94455	10	5	5	3455784	13836996	2184524	13220039	2038641	16970953	15196898	12480149	11695734
43.2725	6	3	2	319373.5	4791741	1168551	4469064	1037540	3968815	6755833	3979293	4300974

10.90802	5	2	3	161014.2	334470.8	152764.9	374418.9	118258.7	310258.9	578323	168635.2	260934.9
40.43967	6	3	2	387004.5	8678339	2406274	8111967	1249745	6544667	8232698	7729745	8066732
10.95222	5	2	3	185285.7	673125.9	208029.8	610084.4	223803.8	474186.8	594904.5	536270.8	772950.1
9.992233	9	5	4	823441.3	2172316	277957.5	1911184	1196124	2496382	2264157	2006422	1785763
22.712	8	4	4	554012.4	3698206	1578516	3241349	1553981	2328694	4465783	2164099	3568879
28.50817	5	3	2	120178.8	779701.4	463127.5	639759.2	495786.3	580267.7	1301830	100673.5	855420.3
40.35217	5	1	4	390273.7	4908718	243894.4	4719674	857968.3	5108800	4544798	4826809	5151096
31.62283	10	5	5	2875164	18618007	4923647	16852372	6961576	16029219	19046650	12032846	20931638
34.33983	8	4	4	859581	4398354	2171194	5811508	6333290	7866242	4427697	2399241	4574116
10.95055	9	5	4	383537.9	1422370	385299.6	1521469	285365.1	1980103	1375907	1090559	1054796
9.43325	4	3	1	2845466	9301905	11718599	12485248	10058002	24401515	840479.5	889367.3	19606178
10.95055	5	3	2	171865.7	434532.4	99370.68	378816.7	245991.7	567624.7	491008.5	396796.1	305491.5
9.43325	3	3	0	596174.6	2415145	1104660	2038746	1450573	1293984	2426187	4235727	2228843
9.9677	9	5	4	2191391	7708684	1615748	6884213	3591872	9181716	6808299	6455701	6366493
25.2045	10	5	5	2078006	23532397	5900937	25642652	8332311	33247159	22904341	23827255	19299543
8.771083	8	4	4	877234.8	1587425	2380745	2784662	5205938	275933	725779.7	5836168	591171
10.9645	10	5	5	635540.1	2958479	577169.1	2779053	653583.7	3422669	3587385	2199877	2579004
21.39367	8	4	4	83963.35	341184.5	158142.2	303936.1	84107.66	249623.6	555603.1	442009.6	156905.5
9.05635	8	4	4	359335.7	1155092	443250.3	997062.8	624627.8	1231489	1700780	1341307	996831.5
10.90765	3	0	3	288876.5	631168.2	156189.5	703127.9	308324.1	812170.3	773576.4	463773.3	506538.1
35.67217	6	4	2	275046.4	1183806	1021014	922314.7	752808.9	2963360	874937.4	500055.2	534881.2
9.9677	10	5	5	5832328	14882080	4536205	13170309	6932487	18733110	20203429	13521121	9132451
9.952017	10	5	5	1202220	4497535	808856.5	4287923	618311.8	5798547	4657042	4355873	3770436
9.43325	8	5	3	775446.1	4118993	1540337	3518620	2460648	5903437	5461441	3977969	2741276
10.9645	10	5	5	1544629	7158994	1963906	6651146	1493325	8566234	9393546	4780895	5527061
26.8695	9	5	4	616836.8	3447851	2094659	2893212	1699999	2031888	4443612	735419.2	3944142
9.88815	7	4	3	5290215	6045616	8861168	8857440	10429037	1848084	2173103	21861266	2989400
9.960467	10	5	5	3802510	8466265	1729236	9371149	3973081	10516831	9315239	9099448	7144004
9.595733	9	5	4	1037466	6232294	1169602	5810182	1681146	7069025	7872345	5259009	5527712
9.983433	9	4	5	788634.9	1889971	863126.7	1626624	949520.6	2592804	2957222	1740962	1005938
9.295167	4	1	3	366743.1	1074752	572174.9	1344297	1162348	1016079	1270309	629067.3	514471.5
9.912633	8	4	4	2042408	4672084	1694957	4045401	2521726	5448041	4803135	2527305	3631734
10.9645	10	5	5	1442590	5790499	1630900	5341171	1461145	7355129	7574755	4527737	3960935
28.936	3	0	3	3598048	53464801	3075341	60046331	30789976	50817709	53324229	57240371	50137024
9.856867	10	5	5	6306141	36220091	4325871	34361209	7857399	36038299	30037608	40137368	40464975

9.887133	10	5	5	2883340	15216266	1129635	16241456	4719705	15998141	14043157	15391638	16561679
9.858833	10	5	5	1364605	7427854	1361558	6799043	2703685	6647335	5707375	7438517	8062653
9.967367	4	3	1	804903.4	825463.1	644458.4	658462.5	495476.3	1863854	84732.33	669555.8	751850.2
41.40233	12	3	5	469172.2	7952740	4420824	6809664	3378093	8113050	9310472	848630.7	8483569
9.999517	9	5	4	1130780	2557172	884425.8	2225185	1345957	2880308	2353754	1238854	2643267
9.983433	10	5	5	2437071	4678326	2672156	5502562	3005177	6264399	8179713	4831132	1930114
10.5297	10	5	5	597740.6	1674793	348321.7	1511121	706973.7	1473444	1643059	1541596	1434294
44.9835	11	4	3	373180.6	2602523	1423830	2949179	894160.1	400203.1	3020582	2211219	3159021
9.952017	10	5	5	5670378	12554856	2703868	13842606	5579700	15919996	14026199	13166814	10348967
33.42683	10	5	5	613224.3	4696261	1543883	4297518	1179515	6549666	4462249	2332345	5367832
43.905	4	3	1	776746.2	7383675	4947719	8576014	2982695	1068683	3047684	11365678	11475062
10.97857	6	3	3	966321.6	1694243	434278.5	1863612	698593	2159587	2129044	1432764	1570454
9.976317	4	3	1	355123.4	509675.5	484510	389427.8	328459.8	973296.4	945811.4	629269.7	0
10.95602	7	4	3	348063.1	895599	477517.7	1023157	400926.6	239708.8	1568032	814404.4	825328.5
21.62883	8	4	4	202203.4	1001821	428196.8	858860.1	551218.7	674667.2	1067718	740139	806768.7
10.20545	8	4	4	362750.3	1035297	280653.8	913512.6	518419.6	1493812	942590.7	916349.6	751216.1
9.992233	10	5	5	1722186	3708871	1298028	4215527	2092368	4263107	5342131	4181660	2415536
44.03467	7	1	5	439249	6292469	379474.5	6010867	1288715	6295367	6050584	6851363	6409963
9.845483	8	4	4	6567601	12104853	17890035	16781231	14255488	5116333	4215067	3412060	3694336
9.300733	4	3	1	3413078	15270761	10911195	18246555	9664623	29725043	7966119	5289467	9260374
10.45433	7	4	3	212098.3	499719.6	112028	460482.2	155404.3	327566	573999.4	450018.2	602553.4
9.55155	10	5	5	2512906	11777675	2137124	10873037	3832012	13757505	13580055	11592247	11495545
10.10048	4	3	0	287668.4	666791.7	279781.5	761912.7	371528.8	1070398	704940	591111.3	678723.2
29.0345	10	5	5	185234.3	972500.4	334193.3	866375.4	398376.5	915271.4	1081479	724195.8	652079.2
9.379233	4	3	1	444603.8	689138.5	504864.1	508751.1	721985.9	1050532	122973.9	160074.1	1154130
9.507167	13	5	5	1472943	8880324	4080398	7378677	6086650	13325452	8848823	5151893	4494058
44.9835	5	3	2	173935.9	522688.1	91487.01	549430.1	94060.93	605150.9	369189	562094.1	561572
9.91875	5	3	2	834330.3	1717621	1059658	1480347	424471.4	885668.2	1864448	999966.6	3486456
9.976317	10	5	5	4942198	12603177	4608258	14183240	6204745	16398341	17430278	13598519	7800356
9.976317	10	5	5	3738258	6019218	1108924	6838395	3754310	7220705	5903273	6945278	5552387
9.903017	9	4	5	2138929	7737229	1754230	6575893	5279452	8520484	5853817	6574281	7413565
10.9645	9	5	4	258721.6	766623.9	335100.5	664958.8	369517.4	1086467	900958.4	250998.8	972085.3
23.1175	8	4	4	101257.6	330142.6	73240.57	300834.7	122439.4	351754.4	248712.1	270718.6	432880.7
9.45945	5	2	3	373849	798407.4	271618.9	947202.6	663499	1012027	1036767	397420.3	649283
9.1476	10	5	4	4326478	41164134	27844943	49483397	29900841	28213554	114349.8	58860058	71072399



10.008	15	4	5	2421451	2821711	1713465	4232494	6516178	1158634	1012056	3075147	3953333
9.94455	5	3	2	1776187	3954144	1201865	3647392	903069.6	4622832	4593196	4978874	3546894
10.45545	8	5	3	198280.9	573940.6	417065.9	684732.2	349444.8	1008991	504507.4	1003935	188211.6
9.960817	11	4	5	1471790	2481587	222918.8	2313609	772530.1	2236180	2787426	2378779	2373274
9.419733	5	3	2	1327749	5823032	1103250	6859772	4820207	6069938	5950884	5337296	7386705
42.98483	12	4	4	344502.9	3977726	1577352	4442913	1656867	3099304	1603594	5152782	4965149
9.356517	4	3	1	11535511	26676594	25276854	32774709	15741716	63427539	9007668	13890925	4692826
11.26338	6	3	3	3629642	23882975	5307588	21109848	12307600	28136197	30831049	18490341	20551108
9.478833	9	4	4	3310952	9788995	11124612	12828606	9987139	10512843	7926097	28253404	1213305
9.960467	10	4	4	4431886	4585435	3276265	3650713	3229125	1413249	1812559	7334754	3681418
10.9645	9	5	4	345749.7	1397148	265845.6	1246387	676766.9	1601646	1720670	1085861	1199833
9.999217	10	5	5	1119955	3515447	1104989	3142388	1461760	4109028	4999844	3468217	2136736
9.976317	4	3	1	457695.9	712074.5	361641.6	584871.5	508755.7	1025758	1088948	630952.1	194729.6
11.74397	10	5	5	275792.3	1223989	290479.8	1109189	480234.1	1543932	1303234	978552.2	867103.6
9.856867	10	5	5	6486531	46345202	1577126	44910354	6679277	46649561	44382336	48026114	47594577
18.13683	10	5	5	1035280	7619777	1264755	6758260	3944378	9239601	5806040	7140799	7835517
3.62865	7	3	4	240344.4	3956872	2394693	4619142	2219731	0	5455273	6163545	4342637
9.976317	9	5	4	657023.1	1433909	413097.3	1599783	697852.8	1864217	1198371	1802720	1423339
9.559117	9	5	4	370722.5	782085.1	223585.9	703050.8	317389.7	693674.2	1165251	739156.8	579429
10.91673	5	3	2	120689.3	251925.9	110221.8	286980.9	133034.6	373626.7	275934.3	135565	139177
10.9645	10	5	5	506980.5	1864759	248299.3	2046222	836268.4	2093068	2141538	1548611	1763970
26.81067	6	4	2	658962.9	4374771	3210650	3586072	2166098	1224132	5501321	878374.5	6000382
9.36565	6	3	3	389503.5	575215.2	487811.3	743997.7	671984.9	1108973	119783	0	772662.2
9.915583	8	4	4	868324.1	2505654	440341.2	2220258	1303682	3221467	2118333	2277164	2288339
10.95835	5	2	3	493824.4	1153065	794194.8	939144.7	695733.4	444242.2	2198150	271981.4	1382888
40.84117	9	3	2	309106.6	4356358	734966	4175164	504012.3	3936259	3714476	5295291	5002279
9.43325	5	3	2	1449718	4801132	2253501	5702954	3801711	7174813	3981994	7108449	3653471
9.43325	9	5	3	1595332	10934720	2184862	10245759	2608197	9457362	10066170	11767649	14366953
44.07783	12	2	5	376994	5059306	1682628	5940219	3934049	2479227	5956515	4229859	6217234
9.842	5	2	3	3105759	8373397	4206096	7191791	4064196	12511077	2863347	9006262	5380863
9.94455	10	5	5	4511060	16993345	2271284	16247679	2899579	20539906	17711729	16114186	14580710
10.33625	5	3	2	183835.6	247076.9	144342.1	282825.4	101032.4	210371.1	499896.1	215599.6	150421.3
9.999217	7	4	3	722576.4	870358.3	440355	1065127	844444.9	1351825	1143251	1045740	462066.4
44.73917	7	3	4	466091.6	5647444	238630	5580911	227006.7	5536309	5694108	5354428	5648012
39.07183	4	1	3	355541.3	3533221	273121.5	3908065	1772783	3590531	3367216	3297308	3981666

20.679	3	3	0	17176956	2.36E+08	46491396	2.2E+08	67330561	2.96E+08	2.58E+08	2.31E+08	1.7E+08
8.911617	7	3	3	149570.8	390977.2	206997.1	479591.5	381484.5	263240.4	734909.8	422898.9	316842.5
10.90802	4	3	1	162322.5	275329.2	215561.8	222280.5	148068.8	438995.5	322971.3	58684.71	43623.67
9.872917	5	2	3	1875023	6552714	2673149	5676598	3407844	9679741	4829401	2966918	7097803
9.3919	7	2	4	1347982	5391184	1453626	6868030	6941713	5106550	7049325	5890066	5800327
10.95055	10	5	5	428907.5	2250883	777324.4	2049031	627349.7	3202565	1581554	1800251	1684637
10.008	10	5	5	367975.1	1047894	196193.9	965953.9	351058.1	1209083	1115779	1154209	713118.2
20.26667	10	5	5	7328661	64538528	7481451	61926665	10518396	68884297	72824396	66484060	53622608
44.9835	8	4	4	144377.5	667997.5	144335.8	720080.4	212787.9	777180.7	858173.8	627871.9	542388
9.848417	5	3	2	687187.8	1350264	251397.7	1571965	1038068	1513611	1595657	1410984	954258
9.311883	6	4	2	807576.1	4627708	1485902	4069908	2314938	4283466	3629621	3239667	7008475
10.97857	5	2	3	274000.6	889647	156935.7	826842.1	266205.6	848911.7	1045873	648045.4	1008047
10.9645	5	4	1	292149.2	737587.2	248181.1	797605.6	161612.7	530417.2	1163385	609652.5	721158.9
9.830083	5	4	1	1066326	1956927	517313.9	2261481	1386687	1865033	1494696	2734874	2175245
10.95055	7	3	4	666285.8	1482473	513774.8	1729267	1092107	2339900	1457106	1440921	1033119
9.986767	5	2	3	271481.7	479490.3	276273.1	567425.9	337358.5	291923.4	131917	627343.3	511173.2
8.8316	7	3	4	191485.1	511917	232025.5	430028.7	331807.5	555324.1	782754.9	526115.8	555019.3
9.45945	10	5	4	478006.6	3113366	908925.2	2707605	1770010	4127655	3558051	3564148	2318590
9.568567	11	5	4	1461602	8548523	3727858	7113024	6018920	12309748	7547369	4107863	6281815
12.03538	7	3	4	155064.3	301403.8	84381.78	389545.7	415806.5	251480.1	443072	307825.3	275335.8
44.46617	7	4	3	377542	5154249	3650048	5933259	901277.9	471687.5	10252012	6887729	3900357
9.382183	5	3	2	528494.1	1712492	806155	1443004	1066286	1375343	1711571	1699973	786817.8
9.983433	10	5	5	6088308	13928584	5087299	12140858	7250508	17918436	20387226	11744661	7929701
9.845483	5	2	3	453782.1	1313705	408223.7	1174923	554224.3	1714299	713227.3	1564932	1489410
9.9677	8	4	4	1749873	3427865	1970436	2935712	1440551	6473845	1464366	3099533	4052033
11.287	5	2	3	177897.1	574355.1	238616.1	661257.8	357846.5	940290.7	608070.7	403098.1	323604.1
11.13867	8	3	5	118717.8	423818.2	89068.43	399516.7	81798.37	520258.4	436578.8	496800.3	345909.2
10.9645	10	5	5	1127101	5270212	1016624	5589523	1219532	6452422	6170705	4589809	4079461
9.960467	10	5	5	9158844	21083778	3757295	23092464	9069009	25137883	22470843	23464881	18133303
10.95055	10	5	5	294335.2	1509611	361779.3	1410758	333791.6	1696360	1922972	1218548	1050684
9.872917	9	5	4	1917410	6690991	3052602	5930081	2223659	1558058	7160282	8536029	9390615
10.13048	6	3	2	922608.3	2055680	1077247	2302795	564572	2394472	2719516	2679786	2331749
9.103733	7	3	4	539990.6	700866.6	186653.1	908851.5	985828.5	783650.7	782970.4	659628.4	880307.1
9.920517	10	5	5	810882.5	3103701	677523.6	2887592	835454.6	3041514	2342154	4070342	3424503
9.983433	10	5	5	6853071	16926374	5873814	14904974	8143918	21845595	24163974	13954301	10052315

9.979667	10	5	5	1046641	2502784	1080272	2865057	1441227	3321712	3653051	2778875	1183533
9.9677	5	2	3	652557.8	972977.9	241719.8	1048424	287896.8	1164453	1094470	1173240	788762.1
9.830283	5	2	3	7352970	23494567	19042457	17900480	20405643	34909448	2982973	42415902	34285077
9.853633	10	5	5	1070425	5941104	1014280	5676934	839765.3	6256520	5997836	4193614	6548624
10.97857	10	5	5	2098610	7362740	457274.2	8211020	4060118	6744005	7024090	7546920	7804292
9.946467	10	5	5	737798.8	2397947	536143.3	2211179	758158.6	3040589	2683467	2020460	1697657
10.9645	8	3	5	207737.4	642834.7	167334.2	704749.1	257637.8	676446.5	876772.5	626525.4	627485.7
28.63617	10	5	5	1302809	31970546	5870105	33892806	7565842	38032922	35131698	34831588	23705281
43.51683	6	1	3	307929	4077835	2252660	3579632	944015.3	8105400	3092940	3164486	3065103
9.82645	6	4	2	589214.6	1922358	412642.3	2049892	484507.5	1533168	1934439	2213222	1495822
34.22667	6	3	0	289366.3	2355252	1137445	2591891	58428.24	3676201	2549090	2348140	539329.1
24.4195	8	4	4	739262.5	3480098	1429337	3088222	1337940	3557216	2311234	3304482	2386660
26.82483	8	4	4	628004.4	4474306	2674166	3813663	1913659	2239361	4995707	1274240	6215001
26.02	6	3	3	92524.7	442287.8	140865.2	402031.7	143604	195632.8	512864.8	457057.3	535667.3
10.98385	13	4	5	464468.9	1147494	417289	985639.7	685414.5	1672845	1512480	784169.7	793335.6
10.008	9	5	4	1115466	2524643	967571.3	2855897	1335825	2592024	3829830	3035064	1542073
17.67533	4	3	1	69384.01	263374.2	82853.93	283964.8	60492.06	278195.8	210039.6	382109	282757.5
9.37735	4	3	1	1206530	3458027	2221396	4303969	3564470	5967630	1330313	2588935	1696746
29.12	7	5	2	4646682	22820124	7517453	26087677	14289360	30830490	19362703	11991200	28504596
9.975217	10	5	4	2142115	3684514	1987815	3147972	1800999	5453416	6071761	3151708	1618395
22.121	5	2	3	93910.07	256395.1	99506.28	222427.2	136954	165048.1	374426.9	290430.9	141393.5
21.3235	7	3	4	55338.97	159384.4	28105.97	147170	53419.49	194106	175577.6	157497.8	150467.4
24.6815	8	5	3	87274.79	317644.1	128313.6	351657.7	111643.3	296259.6	325417.5	163230.8	518661
9.206	9	5	4	3519995	24310470	1898984	28309862	19212596	24606874	24993576	20979656	25410491
9.859983	7	4	3	787283	2928901	449164.5	2748227	775510	3336345	2860005	3443906	2444115
11.86875	7	4	3	95191.7	300761.1	135203.8	265130.5	116147.1	305003.4	330103.5	142931.4	222148.4
10.95055	6	3	3	343261	1047811	248362.5	965349.8	328417	1231825	1057293	680017.5	958433.7
9.951283	9	5	4	2465395	5028190	840734.7	4772593	964288.2	6273365	4709499	4998027	5201604
10.95602	9	5	4	504309.8	1707542	699513	1545144	399642.4	533332.9	2378593	1931963	1986527
24.65217	9	4	5	302548.1	1176745	531074.1	1049910	341294.9	944247.6	1176864	750542.2	924834.8
9.992233	8	4	4	619760.4	1233904	570727.7	1451824	921351.7	1025786	1416425	625166.7	2123148
9.903567	4	3	1	1679758	3058624	394816.6	2805005	1176454	2887441	2757414	3516148	3449496
10.95055	9	5	4	250804.5	1476664	391808.8	1357532	449914.7	1535243	1834510	1428978	838250.4
8.142883	8	4	3	398751.3	11106833	4857705	12777164	6778286	14601244	16245121	6373745	12746641
9.295167	6	3	3	1717629	6923269	7465290	5078339	5400613	14802514	677087.1	15356826	2015648

9.946467	5	2	3	641376.6	801682	469585.9	678340	401430	1363383	632291.3	1191730	210924.3
9.554967	11	4	4	6397803	15874203	20966927	20727341	11863170	46322510	1298824	1202506	29467370
10.211	8	3	5	706620.4	668334.9	268886.4	919415.8	1191129	1015545	627351.2	678155.2	268520.6
10.8926	3	0	3	251174.1	420097.9	229260.9	499641.7	324388.6	301676.5	772844.7	228748	267747.6
15.19022	7	3	4	49124.34	258146.1	76496.16	236245.3	78807.98	320242.2	342576.8	201245.2	264166.8
9.842	9	5	4	1149994	4099646	1493124	3579976	2123352	2562111	4649832	2855392	4163596
13.39087	10	5	5	953874	4104973	1529703	5209806	5177849	4797964	6303705	2264306	3350433
9.644783	8	5	3	743808.8	2418504	750937	2659588	945576	2314102	1840841	1977619	2243047
9.986767	10	5	5	1018183	2494614	913691.1	2822614	1358586	2884971	3762994	2604653	1580486
23.57233	5	3	0	449189.8	8626531	4247273	9625786	2591844	10077983	14888176	5539250	4010145
9.559117	10	5	5	555000.7	1066793	356718.2	1275843	963121.9	1400790	1414193	911708.5	564683.8
9.392767	6	3	2	5736029	14400253	15999334	18378488	11863902	37786356	4043661	24445713	1720957
43.04233	4	1	3	316158.6	4022542	819004.1	3808457	696452.9	3656152	3708956	5446601	3380577
9.4775	14	5	4	2107603	10025093	5751890	8455928	5396401	17664725	3882858	5929734	8486885
44.9835	4	3	1	453263.1	4789256	3624276	4039153	294325.1	3780992	10771495	4404159	4085496
23.7695	10	5	5	4992347	40655821	12654576	36394933	17197901	23015658	39705134	41523963	40279397
9.659033	10	5	5	8291827	50150673	24018474	41609416	35340087	84976238	45862761	28713760	28638741
9.145433	4	3	1	638910.3	1156653	356234.9	1311522	681862.1	1028774	1133139	932733.3	1774506
10.9645	10	5	5	466596.7	2074805	506366.3	1954995	318817.4	2642767	2516651	1694044	1473063
26.82483	8	4	4	932013.2	7037598	4820708	5800495	3924031	2803828	8923089	1198346	9741703
10.03947	4	3	1	636153	596402.4	218426.7	706313.9	498122.6	405402.3	487053.9	442901.2	912350.7
10.9645	6	4	2	304747.6	572614.5	177347.8	649845.8	340829.1	808536	481540.7	451434.4	407661.6
9.976317	6	3	3	565099.6	962067.3	521538.2	821860.4	475944.4	1383040	1535124	1017686	556454.2
10.03947	8	5	3	436974.8	715042.8	243006	824906.5	488877.8	515050	1104060	504077.7	717986.5
9.992233	10	5	5	1350039	2935171	540977.7	3244816	1430278	3137617	2135114	3584834	3090990
9.994767	9	4	5	809405.9	1931368	712435.6	2175464	998056.4	2179553	2953109	1967627	1090746
8.872967	6	2	4	333111.7	349719.2	210702.5	435545	373274.8	615656.4	380249.4	337705	388222.2
9.960467	4	3	1	936998	889224.1	472337.3	1085436	858162.7	1370496	97081.83	981850.8	977095.2
10.45545	10	5	5	181105	516638.4	202058.9	571239.1	187222.8	843329	505596.3	520976.8	305420.3
10.9645	9	5	4	366969.3	1611645	302672.6	1532072	263482.2	1800336	1815849	1377081	1199626
10.58803	9	5	4	369644.6	1126358	342052.9	1039929	269210.6	1036992	1256130	1639860	735207.6
10.94962	9	4	4	345993.2	1049190	374323.5	1185710	573485.2	1125903	651086.9	860692.7	1643676
9.419733	5	3	2	509188.6	1905357	1194428	2202945	904229.4	3131390	3288070	1066272	1124605
7.318367	10	5	5	602358.8	4475111	226507.5	4729644	1223663	4602299	4506823	4595180	4076097
9.928667	9	4	5	1752157	3672991	410805.1	3490811	810420.3	4165555	3696036	3897225	3535371

9.842	9	5	4	644416	1553777	370227.2	1676767	496832.7	1907304	1964068	1098567	1391832
30.29317	10	5	5	10574327	78695779	12022554	73191771	24650288	76551857	95615632	76510409	62319515
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9.4468	5	4	1	675195.6	2512327	980609.5	2870325	1507828	2104787	3756155	2640524	1121339
9.433	6	3	2	3539246	4681570	4341138	5966462	4828456	1269502	6742676	1143744	2941158
9.983433	10	4	5	638961.8	1233390	627995.1	1083525	416595.6	2121259	462735	1539741	1098208
41.2875	6	3	1	357422.3	6428764	4804326	5440179	421087.3	14725970	5598721	5421870	2523262
7.57885	5	2	3	715450.9	16124480	5800814	13885175	9624083	18248402	20544242	9360788	10543231
10.93208	4	1	3	274423.3	389202.7	156577.2	455549.4	292675.8	259777.4	515532.3	187315.7	449336.8
10.9645	11	5	5	740501.8	3049657	943193.3	3326495	1035694	4290808	3534023	2089142	2134153
10.92828	10	5	5	302212	816069.6	310323.6	741878.2	208172.7	1289099	668610.1	486566.1	693293.8
9.979667	10	5	5	856408.6	2612596	961438.7	2306499	1212126	3446617	3592043	2756949	1404356
7.174533	9	5	4	153550	1150918	135716	1029456	581491.4	1282978	945439.3	1089281	1241844
44.68267	8	1	4	397063	4329294	1737864	4986538	2811148	7429614	3689553	3350661	3545769
9.40325	6	3	3	5345196	18093629	9666692	15340569	10056683	21423233	21964910	25169802	20847455
9.36565	4	3	1	925264.9	1405143	500506.9	1894563	2351460	1605308	943778.1	2003759	827876.3
9.568567	5	2	3	386283.6	1190674	258806.9	1299206	478543.3	1515055	881243.4	1142643	1386241
9.976317	9	4	5	789063.2	2236047	1051141	2529815	1055067	3226357	3172266	2521855	1259228
11.34627	9	4	5	369000.4	1745196	656089.5	2014109	1179254	1756642	2833925	1283004	1670353
9.494433	7	3	3	12582149	59308303	59798400	43979602	49548062	1795237	52412090	1.31E+08	1.1E+08
10.99268	5	2	3	843648.5	2351025	1443640	1850932	2072250	1225724	3775903	437426.8	3352226
9.970617	6	4	2	369764	790578.9	421841.5	677779.5	386919.1	1323426	208084.7	836193.9	1000546
9.928667	5	3	2	864853.8	1295388	764498.1	1060087	915923	1655929	0	1270245	1590465
9.445217	14	5	5	806119.1	7759268	1865206	7281325	1547004	7001759	9358259	10015402	6880393
9.976317	8	4	4	838435.6	1689177	417974.3	1494485	879947.4	2069461	2154781	1626537	1413193
9.864767	10	5	5	14326399	85099003	10216829	82436372	8846329	82851668	94045812	68706692	92839821
30.25033	10	5	5	7343119	57056169	8571196	52408810	21508862	46694219	61928918	59649692	49791114
10.9645	10	5	5	3927035	16419132	4492349	15310396	3372946	20678474	21249437	12948700	11220040
31.76783	4	3	1	65364.1	231824	180107.2	189024.3	119802.1	86604.66	241486	32325.87	319847.8
9.983433	9	4	5	886858.3	1311555	937554.9	1593312	1081090	1848311	2581555	1246712	224157.2
10.008	5	1	4	552835.4	803193.6	546729.7	680163.9	288146.8	387464.1	96436.86	1406705	1173188
9.976317	9	5	4	1068409	2418032	1038455	2065821	1450163	3085789	3831434	2196087	1273547
10.94208	6	2	4	258858.7	436906.7	284405	517584.6	295509.2	276126.2	915188.1	359583.4	186204.2
9.999217	9	5	4	615016.3	1197900	649658.4	1380999	666789.7	1561087	2005501	1348921	474938.3
10.95055	10	5	5	3258031	16738294	4987500	15551011	3344178	23349224	18692521	12207879	11306761

24.87067	10	5	5	731097.1	3824408	662533.2	4140774	1438408	4508717	3111273	3180149	3898875
8.9177	5	3	2	125895	229881.9	156761.6	186591.9	154551.7	427533.8	357176.8	124671.7	182524.6
9.3471	4	3	1	3983998	14009041	12655085	17058381	8844960	2725453	5782016	27400757	5943227
9.960467	10	5	5	3639996	8270594	1649916	9089047	3748731	10094775	8923152	9154348	7185301
10.55813	4	1	3	95315.3	272626.4	84136.28	304769.3	138848.1	123405.5	293613	314877.3	307660.3
9.522017	10	5	5	1249521	3436991	1549355	2857393	2486501	4488115	1402587	2202565	4112590
16.25713	10	5	5	171793.8	1054712	349110.5	1167526	454412.8	1367936	1040792	490851.7	1052313
9.536783	11	4	5	1020544	5180772	2219960	4493444	2701163	8745955	5630489	3100864	3664643
12.4121	8	4	4	209074.4	1185651	528636.1	1402693	957791	1262847	777908.9	767869.2	2055331
10.9645	10	5	5	414508.7	1154301	298048.4	1274839	529960.3	1525582	1407942	1012249	822349
9.870017	9	5	4	1329060	3151960	991195.3	3691388	2505850	2813813	1879430	2842469	4470436
9.568567	6	3	3	307681.2	569558.6	231342.3	683774.3	523428.2	801855.9	821295.2	297008.9	456830.9
27.56867	4	3	1	85379.22	601127.8	252506.8	685893.9	348541.5	606995.3	395769.4	814428.6	883393.9
9.992233	8	5	3	467064.2	738107.5	192599.3	866776.9	610146	949714.2	755160.3	548261.3	536334.5
9.842	10	5	5	3891207	16650735	1540211	16035390	2698858	18833206	17394547	16604656	15317054
9.4468	9	5	4	1028760	6264013	1839607	5574059	2969317	6877060	7739528	6699031	6952886
9.9677	10	5	5	2441771	5993765	2120182	5277125	2961305	7937870	8354193	5237107	3280868
9.976317	10	5	5	3747537	5944811	981184.3	6728502	3765461	6827522	6074649	6799329	5550577
9.992233	6	2	4	364907.2	623438.7	298021.9	705115.6	292113	960552.4	196362.5	847529.9	553517.7
10.008	15	5	4	874319	1818610	470753.5	2198968	1829521	2107717	1853215	2108622	2026150
10.9645	10	5	5	2119388	7785207	571103.2	8600543	3985864	8576086	7020821	8003874	7754800
10.9645	6	3	3	443097.7	899830.3	188732.4	780331.7	565744.6	1156220	920333.4	969249.1	650717.6
9.932033	9	5	4	717152	2355587	682644.3	2148489	807512.4	3268899	2816231	1979737	1557944
10.4842	7	3	4	201518.4	541432.4	148929.6	580452.9	132524.1	455198.3	333941.3	606791.8	718400.4
10.9645	4	3	1	345995.4	785223.3	202121.3	690515.8	432205	827705.3	1026540	726346.5	479614.6
9.976317	10	5	5	1196932	3330099	1596257	3778877	1650205	4446959	5238197	3540383	1597785
34.34983	10	5	5	2357388	15218916	7137633	18912598	17125326	26860585	13559339	8294883	16227844
9.9677	10	5	5	3703780	9822753	3317343	8736384	4439839	12518282	13728462	9524160	5791710
29.02817	5	3	2	100018.2	460927.3	280126.7	535282.8	257315	865047.4	614742.7	162188.1	286189.5
21.45133	5	3	2	237286.3	1523154	305063	1450822	206460.8	1243135	1891608	1352372	1313799
9.887133	10	5	5	13349748	76909935	5758284	80485548	16929044	77310068	70544781	83225640	81833928
30.18067	11	5	5	311958.8	1829966	627433.1	1996969	580816.7	1115040	1556635	2186023	1570633
23.04483	5	2	3	157552.3	627203.2	427372.9	514859	384929.5	267887.7	989695.9	310336.1	383750.7
10.97242	5	3	2	515225.4	948658.5	731595.3	1134050	603508	1845797	366981.1	500222.5	1642755
9.43325	7	4	3	765642.7	3354926	1804949	2922933	1263848	5375164	4964025	3204890	1993106

10.96278	10	5	5	199380.9	721721.5	114822.8	663277.8	270811.4	853925	797636.2	749781.9	583400.3
15.5851	9	5	4	113146.3	616102.6	263414.9	556522.3	148301.8	806346.2	833986.3	449489.5	233659.6
40.97067	11	2	4	303411	5742336	2345777	5179250	1660228	4815396	9904197	4970423	4193567
10.72028	5	1	4	8332386	69394945	3035851	65852065	17306256	73425149	65164226	68233324	69603275
10.77503	10	5	5	278896.2	834401.9	281993.6	757849	272811	557494.3	1088379	1171510	760692.6
9.992233	8	4	4	447598.3	1176170	493949.7	1328280	602403	1425256	1724610	1424155	703784
14.18023	6	4	2	64664.61	237420.2	84520.34	266432.9	121648.6	273108.7	349403.6	191064.9	125608.6
9.94455	8	5	3	673806.1	1421238	301613	1315304	448479	1905214	1479792	1362448	1233040
9.9677	10	5	5	20357128	48673830	17200828	43071774	22914781	63802778	69654690	40875873	29379628
11.38553	5	3	2	154525.4	1332679	425560.4	1427484	223370.8	1742352	1685945	1095189	1414433
9.445217	9	5	3	929162.1	5785517	1245985	6902582	5424058	4342884	4633575	7126584	6082382
30.25033	10	5	5	3791335	28649893	4820694	26259602	11063828	23066817	32324650	30209880	24039316
44.20717	3	3	0	309986.7	3239451	506913.3	3134323	139770.6	3651515	3453960	3421806	3310170
10.95602	10	5	5	310165.7	1209341	281697.8	1107940	435043.6	1606396	1028793	972984.5	1030716
9.979667	9	5	4	1300185	3363478	891633.7	3005835	1587914	4286550	3512843	3413616	1887567
9.960817	5	2	3	771868.1	1359818	315259.2	1564154	976327.8	1152130	948649.5	1755889	1428370
19.41733	8	4	4	228082.1	1526386	331161.9	1382475	651630.9	1605621	1149342	2029842	1335191
6.867017	8	5	2	790639.8	21637783	10561984	24007457	5840300	36590555	22413703	20467206	6785914
28.849	8	4	4	971018.6	8083828	6841127	6471256	4623612	2050592	8361512	362426.5	14439624
9.979667	10	5	5	3337940	8449388	3763373	9320379	2383966	10713593	12751948	9282980	3178263
9.93625	8	4	4	1171131	2863754	633890.8	3084702	939416.5	3960634	2644115	2334052	2603650
10.95055	9	3	5	183655.9	598627.9	451719.1	725259	471723.6	1377191	564118.1	354584.6	238424.1
9.887133	10	5	5	13283354	75188138	4591259	79103623	19068676	76927152	70304482	75629816	81716312
9.964417	10	5	5	1378689	3774662	1245455	3353766	1767585	4930682	5078604	3605521	2121588
9.928667	5	3	1	2198278	2389322	2187344	2913322	1571444	1524972	1233777	6296589	1383661
10.008	9	5	4	458749.2	900532.4	293981.4	1011399	485796.2	967841.7	1222652	1117713	653142.5
24.72467	10	5	5	56111	334757	51679.14	312685.9	100004.4	289808.7	397354.3	274325.2	346741.4
9.992233	6	3	3	384266.9	575117.4	295642.3	479324.3	394819.3	794472	802943.2	668484.6	87147.54
9.994767	9	5	4	609550	1105579	262252.7	1014896	385374.1	1227986	1390472	1197508	704483.5
28.24533	9	5	4	248037.6	987983.7	381810.2	876930.1	428408.6	936711.6	1197970	511034.5	787743.7
9.9014	6	3	3	529567.6	2181790	778144.3	1985777	647462.5	2876650	2272088	1893534	2861914
28.259	10	5	5	696302.5	2721590	977724	2399627	1340575	2258937	2932099	1606164	2572874
9.4925	10	5	5	574983.7	3101382	1868070	3724174	2608681	2088110	358938.1	3666795	4730512
9.94455	12	5	5	3279465	5931936	1693950	5225934	3187215	4808870	6289689	3687806	6924739
36.81383	10	5	5	453751.8	3575712	1097194	3314342	780973.7	3857885	2991708	2060056	4956587

22.5115	8	4	4	214029	738726.3	307056.1	671460.7	153908.1	572907.6	1255736	699626.2	455972.4
10.95602	9	5	4	289117.3	952891.6	355156.5	842046	448999	1469040	923593.3	968199.8	466269
10.9645	10	5	5	190518.7	822683.3	259163.4	896027.9	277654.5	1142410	974262.5	742718.1	800928.8
18.98017	6	3	3	54274.48	188282.5	64661.69	171110.7	61067.32	225964	207000.8	135859.3	264390.7
9.888767	6	3	2	1032218	2771682	1167624	2524113	468043.7	2370751	1740864	2854741	4733209
10.1999	11	4	4	484056	781533.5	186956.3	889598.6	514947.2	911789.6	601614.8	770433.5	1022276
43.7615	4	3	1	295643.5	6015110	849738.5	5802024	702858.5	7263548	6062635	5903478	5976833
24.73917	10	5	5	5884486	44034214	3146437	45869755	8756284	39295941	47888935	43351467	45363880
9.999217	10	5	5	1488931	4245271	1311240	3723570	2333726	4798400	6073513	3712715	2534637
17.94383	6	4	2	111013.8	429223.9	207409.5	378450.5	161103.3	145090.2	546607	684174.1	319264.6
10.9645	10	5	5	1993502	8907851	1224637	8519146	1594211	10182755	8196902	7139598	9419926
9.960467	10	5	5	8961367	20957884	3798846	22867451	8953405	25148344	22337987	23285922	17915932
15.84798	10	5	5	777660.3	4098033	477371.9	3778418	1544013	4722772	4104065	3735135	3543605
21.37967	7	4	3	222810.8	696062.4	245364.9	641850.6	130479.4	502979.1	1120099	675057.6	616058.9
37.561	5	2	3	329576.8	2775170	1398139	2466533	741453.5	4611032	2902872	2816352	672507.5
9.431017	14	5	5	9164221	62365476	11151222	71245861	43370661	54737962	70590597	77897184	54658668
10.9049	4	1	3	176492.3	443302.3	188708.6	496455.1	201044.6	394370.5	656633.1	230697.8	312200.7
10.45545	7	3	4	213816	374338.5	105338.8	336616.2	163584.1	448040.9	280028.4	302673.7	522125.4
11	10	5	5	227402.5	873787.7	265635.6	800306.8	273848.4	844363.4	451519.7	895506.8	1017490
15.31398	10	5	5	199140.1	1320079	309599.4	1224054	389720.7	1613274	1599056	1112465	903213.7
10.45433	8	3	5	303431	679107.4	145650	604869.1	349421.1	927344.1	654390.7	667572.5	569840.8
10.7349	6	4	2	5068168	2941962	4522105	5396333	11647510	1825566	360570.4	1483383	113375
9.992233	8	5	3	1118545	2640035	510500.1	2347619	1396394	2231159	3377389	2549329	2137043
9.979667	5	3	2	356553.1	717245.6	379200.5	596202.8	499653.3	971484	288968.6	555850	535100.7
9.659033	9	5	4	1070168	2261545	599061.9	2573158	1471650	2435742	2525526	1691859	1619388
9.928667	10	5	5	1608164	3139032	462423.5	2987441	634600.4	3667723	3302468	3314492	2971673
13.74132	9	5	4	148556.3	1223487	383372.6	1132368	275209.1	1673759	1374607	1023335	675190.3
9.999217	5	3	2	383593.6	691790.9	431171.8	814479.6	470033.7	928960.9	1231064	741550.9	116224.8
10.01477	10	5	4	2319400	2265965	926447.2	3159996	4415621	2679731	1940745	3099071	2814462
10.9645	10	5	5	533747.6	2565102	468533.4	2422267	576005.3	2968078	3016415	1934571	2241778
9.872067	9	4	5	5277782	17613008	5212457	19687379	9340138	21581343	17769976	21115872	18875436
9.992233	6	3	3	1262001	1826130	1129253	2083693	707972.4	998456.7	352696.6	2515304	2146978
9.445217	14	5	5	4128400	27562798	10203987	31755372	19045101	26281534	41849050	33165168	20025955
9.9351	9	5	3	1154227	3435949	1286025	3994554	2569770	3021713	5207462	1733285	4025106
10.008	8	5	3	1659999	2570262	1378605	3013357	1845657	2947417	4726894	2281154	1126969



28.83683	8	4	4	1003655	6613568	5562116	5317347	3782937	1202381	6858731	785375.8	12070295
10.95055	8	3	5	184717.9	553415.6	221664.9	600651.1	97802.1	732628.4	840857.7	464177.7	328541.3
9.601917	8	5	3	1104665	5071342	1374988	5412530	1126264	4800208	6116594	5006343	2964547
9.976317	10	5	5	1185875	3711448	788969.4	3480550	909265	3962658	4823070	3667844	2652461
9.872883	10	5	5	1459209	4923609	1737247	4504757	1316330	6494036	6320779	2624809	3553437
10.9645	5	2	3	232318.2	550269.5	288283.8	485996.5	165107.7	930237.1	728936.2	538926.5	332483.7
43.01367	5	3	1	264983.1	3922678	1172212	3682698	336512.3	3905809	3572248	5673391	4052957
9.845483	8	4	4	872306.5	2291423	640924	2557584	1214682	2906000	1964239	2240510	2924125
10.96715	8	4	4	414926.8	1212610	638559.9	1066391	409584.8	2265769	1097079	1278858	722293.2
9.976317	7	3	4	3521379	1775055	1021651	2428714	3170661	1422593	1125638	934437.6	3478951
10.9645	10	5	5	298145.1	1467289	284715.4	1398248	219794	1753079	1738417	1298292	1092686
9.9677	10	5	5	5866177	14895685	4494796	13285248	7044755	18593317	20193925	13830712	9129516
22.30867	7	3	4	517388.1	2891784	259531.6	2672651	1081017	2512852	3111986	2819903	2856109
9.622983	4	3	1	201033.5	388534.9	145975.1	337039.5	224263	514524.3	228362.4	529293.3	430678.6
43.071	9	2	3	420839.8	6346468	3654826	5615229	556169.6	12380621	5656870	2402931	5721954
9.872883	10	5	5	3637853	22549637	3133732	21182477	6318687	21896386	21068617	20081734	21689997
27.49417	8	5	2	304027.3	3385999	866961	3178172	650197.3	2857307	3819322	3295498	2357834
25.59717	8	5	3	164292.5	671596	266289.9	596790.3	286712.8	414751.6	1091884	597195.5	501515.2
9.840617	9	5	4	1001877	1758967	650576.4	1614636	369000.5	2569621	2270318	1619385	1000699
9.928667	5	3	2	1251294	1609093	840446.3	1327679	1201500	2061316	181341	1629789	1835377
17.59967	10	5	5	101168.3	486891	84254.69	453263.1	152441.3	603455.6	455730.9	510006.3	493518.4
35.906	9	5	4	257080.5	1216817	860747	954690.6	1065691	2536152	945123.4	306126.5	754422.7
9.217867	6	2	3	278411.8	756156.8	409424.7	629677.8	518731.8	723072.5	140438.5	705905.6	1253073
41.30167	8	2	5	401312.8	4268588	1041645	3876538	1749438	4280079	3390990	3850116	3777386
9.842	9	5	4	678239.6	2669550	1154451	2284496	1643020	2386477	2229856	1419083	2776658
9.3735	6	2	4	577584.3	961083.6	653998.3	1125751	561108.4	1460750	1754882	507203.2	910488.7
10.98605	7	3	3	180586.7	445822.1	119856.9	486435.9	174519.8	279169	413989.5	579661.3	412290.6
10.008	9	5	4	451206.7	835236	390437.7	938287.7	372748.5	947586.9	1469803	661259.7	542896.6
36.28083	4	3	0	320371.1	6523567	1725979	6868188	261363.9	3756069	7176387	8441159	6363054
9.61395	5	2	3	333504.8	399749.9	160533.5	539516	692716.2	446139.8	251361	534425	556965.2
9.419733	6	4	2	620410.8	1237907	319483.3	1117708	537009.1	1706950	1426343	995050.3	1093183
9.516467	10	5	4	881197.9	2605780	1067046	3260951	3180820	3729786	2901617	1232779	1770815
11.07845	5	2	3	1216465	4891604	2408688	4139370	3113767	6696152	7475955	2457195	5562914
9.979667	9	5	4	487048.4	1133397	399711.8	1278778	642993.3	1291376	1544274	1402866	611050.6
9.94455	5	3	2	1378404	1001070	641251.4	1252009	1134984	1431775	165688.3	1691184	1207957

10.10793	10	5	5	1250147	2225265	494449.9	2526696	1463676	2741313	2505261	1799540	1602264
10.59763	11	5	5	1111993	4372795	1796201	3845022	2103944	5540383	6523848	4554596	3237167
24.6815	9	4	5	185329.9	464253.6	223664	526136	235433.8	253500.1	784928.6	252049.6	479399.6
9.3494	5	3	2	650522.8	4085093	2489645	4718001	2196882	2546753	1254522	7468178	3463664
10.008	10	5	5	724017.6	2110873	616710.7	1952802	554627.8	2039300	3123251	2152262	1559647
41.01417	3	3	0	262000.3	2346802	782831	2501846	64658.74	2441575	1132299	3307763	2551184
10.9645	10	5	5	2018894	9604100	898011.2	9249858	1607866	10047489	8322652	9201593	9747159
43.2725	8	4	3	434944.7	7177814	3615060	6382826	2008924	2236873	7030433	12406786	6613532
10.97242	10	5	5	281398.9	1586585	361163.7	1714329	561227.8	2076576	1411696	1171888	1443838
9.94455	10	5	5	1238550	4381665	961177.9	4136705	857086.7	5690331	5076410	3993801	3424320
10.01477	10	5	5	875646.1	2737197	724643.6	2425639	1446005	3013531	3774419	2558566	1800745
10.03947	10	5	5	305014.2	742308.9	225051.5	831837.4	408183	557522.3	616970.8	957443	1015573
9.433	12	5	5	1603517	11139842	2306849	9900916	5957524	9065584	11792916	13349303	8361931
10.8937	9	5	4	1048877	5870939	1989290	5407938	1387532	8066617	6513645	4877945	2959995
29.935	10	5	5	4716971	28223417	6908584	31114156	13345524	20905692	30384629	28930129	22628648
39.79117	5	2	3	480905.6	6150420	995976.3	5895111	901591.1	5728691	7922500	5540087	5738971
10.008	9	5	4	657419	2201624	521520.9	2004132	888881	2446304	2737037	2296556	1346048
32.9795	7	4	3	115603.1	301880.9	68505.53	321401	76540.57	257617.8	298797.8	318975.1	227414.6
9.93625	11	5	5	2673577	7615877	1349231	7222693	1569170	8869197	8866367	6615045	7868384
9.43325	7	4	3	1595667	5217120	4602947	4096510	3679217	13356018	3313064	2164151	3126868
9.858833	10	5	5	2929731	19118750	1833774	18407508	3226729	18446954	16593171	20772476	21051352
9.9677	5	2	3	3034286	11012640	6853231	9420364	4776143	18524326	4725584	14334067	14678862
10.00998	8	4	4	579927.3	788719.3	337646.9	911632.8	547718.5	979483.4	1181360	910383.2	468596.1
9.82645	3	3	0	654111.8	1812359	527574.3	1954812	535003.9	2495479	1235204	1650133	2218431
36.56933	8	4	4	227812.7	1620672	471169.4	1503170	401810.7	1291455	1394817	1573407	2443841
9.992233	10	5	5	985633.6	2705741	699249.2	3005002	1392562	3211039	3332670	3086717	2042405
9.500733	5	3	2	404347.8	588042.9	173516.3	682048.3	453973.9	657069.8	694822.1	302907.6	550548.4
10.008	9	5	4	726090	1903675	819093.9	2111124	725337.4	2295455	3156101	1156262	1434673
35.60183	3	3	0	295479.4	4405436	356972.2	4322200	252943.9	3920079	4517297	4766460	4667812
9.864767	10	5	5	26653044	1.81E+08	12385981	1.87E+08	25215176	1.87E+08	1.71E+08	1.66E+08	1.96E+08
9.419733	5	3	2	4981576	13053869	5848828	14504343	4926432	18763717	9712236	19802760	6769351
39.3595	5	1	3	321093	3945326	941518	3630000	1363010	3797630	3555704	3529241	5593478
9.960467	10	5	5	1572562	3133927	696331.7	3543516	1997405	3756235	3479838	3553042	2824044
10.24195	5	2	3	391266.3	5133854	2799245	5719337	1184062	176420.3	6877376	6472232	5774141
9.060817	7	4	3	402894.8	634806.7	299215.1	550138.9	332488.4	484041	933843.5	958527.3	520839.7

24.20617	7	5	2	233874.3	1275441	824240.5	1082286	596174.8	452831	1935190	413768.8	1376478
9.856867	5	2	3	1570933	4353463	1393172	5088726	3546591	5824363	2678156	3143993	5467325
29.76167	10	5	5	163267.3	475587.7	107236.1	565908.6	451069.2	356916.6	435197.2	526756.7	425022.4
13.11357	7	3	4	62360.95	210947.5	87478.15	192698.4	36491.84	327170.3	181363.2	259595.3	94781.51
10.58733	6	2	4	147290.3	247746.9	185581.8	287341.2	90739.5	182372	551650.9	153274.4	71244.52
9.311883	6	4	2	799466.6	3864799	819806.8	4373255	2495776	4967693	3207716	3315301	3311300
9.904767	7	4	3	946838.2	4795785	764059.2	5143141	1641112	5535719	3819702	4401380	4620884
8.801817	10	5	5	4454524	38780360	8552122	36145129	10978299	37226276	51608966	32080794	30567615
9.857683	5	2	3	4878835	9885027	7424464	11972166	8174984	19740609	9731163	3111242	2372758
9.848417	10	5	5	4035738	15136483	2914518	16591389	6979511	18279649	17898425	11381136	13893572
10.95835	10	5	5	310050.3	1120462	294794.4	1231588	503331.1	1400933	1461582	1031066	892963
9.94455	10	5	5	1931741	3891455	1746629	3455306	1508602	5818102	5705659	3228012	2242828
41.057	6	3	2	406103.7	4207944	2507658	4704617	443416.5	3093576	7812939	988879.9	4951573
9.447733	15	5	5	6189637	37447494	20322589	41771232	9845750	4479078	46496052	58337555	34366030
9.848417	6	3	3	869806.9	1832565	1160460	1502247	1308491	3287654	175526.8	1363871	1969067
9.622983	5	3	2	477982.5	1005047	430497.3	884962.4	468242.2	1227723	288816.6	937012.2	1376456
10.95055	10	5	5	563636.5	1580249	508955.2	1770421	859777.2	2130728	2103585	1336749	998911.9
10.9645	10	5	5	260005.7	1336506	354505.8	1425466	310243.3	1812936	974137.9	1191984	1103692
44.40867	6	2	3	337150.8	5382918	1028176	5090561	1158462	5146186	4820763	4450165	5386413
9.872917	10	5	5	1263696	7643195	894120.8	7320579	1443273	6963816	6489253	8586245	8332295
9.886083	6	2	3	1242758	2225450	760062.2	1943461	1273203	3365222	1410980	2182401	1692756
10.92828	5	2	3	244760.4	773550.6	297663.2	704401.3	211560.8	1081595	1105600	482816.1	555781.8
10.02372	6	4	2	688492.9	832483	476490.8	1030775	923119.2	467160.2	418851.1	806674.1	861278.3
9.177967	6	3	3	638507	770520.3	645866.8	994948.4	991457.8	353090.1	1874794	821188.5	415496.5
10.14893	9	4	4	2934335	7190785	4328351	5960859	4882310	13630786	5579831	9403178	2900630
9.864767	10	5	5	1371099	7871486	1688467	7226217	2945309	7760030	7159558	5552199	8910314
43.3875	15	3	5	384097.7	4465755	1101696	5162689	3440654	2907572	4926858	3732737	5415683
28.259	5	3	2	98523.28	343306.8	162926.2	301133.8	153791.2	243680.7	421199.2	137072.5	353199.4
9.848417	10	5	5	2548593	6263239	959197.9	6909688	3207484	7640795	5551698	6166170	6722076
17.46683	5	3	1	959761	7661750	3934372	6801385	2244049	6536555	13054899	7468100	2216700
10.36622	9	5	4	350775.9	810003.1	103819.4	868967.6	288601.1	741412.8	848394.6	664826.1	882188.5
9.976317	10	5	5	2197238	8943075	2192646	8332967	2389726	10219263	11830780	8757703	6143071
10.97857	9	5	4	1251669	3587468	675389	3844314	1172867	3685993	4427804	2590474	3378794
32.05567	5	3	2	112984.9	275846.3	180172.2	230284.4	162019.8	138005	363032.4	35918.9	462744
10.9645	10	5	5	2203837	9307616	2349476	9917242	2237160	11623744	11999892	7063303	7373158

10.02372	9	5	4	325369.8	855668.2	247855.7	913166.8	177580.3	623705.4	662195	783074.3	992423.9
9.8322	6	4	2	1245162	1854466	719286.3	2299769	2200375	2090670	1760800	2462610	2301722
9.46325	10	4	4	11937659	21588939	25406092	27873773	21733583	7023470	14206465	13754944	66566207
9.352183	5	3	2	481786.5	1092713	484803.2	1327371	1128184	1887497	833792.1	1193031	895014.2
9.842	4	3	1	1309888	3117687	1489539	3543221	1706200	2331206	5695365	2732532	1927274
26.8825	7	4	3	138230.8	641754.8	419571.8	539868.6	342954.2	296807.7	986388.9	159947.7	639871.6
42.0065	5	2	3	362032.7	5286931	420868.8	5501956	1042236	4901170	5978005	5236682	5005983
22.65633	5	3	2	1073646	8233584	3560275	9330975	4622879	13725183	5298170	6074600	9930745
9.93625	4	1	3	1354646	2848302	990764	2551139	1232743	3065623	1549430	4143345	3237657
9.8322	6	3	3	682505.8	1934262	641922.8	2124668	785429.9	1133461	1479723	2038100	2258407
10.83632	9	5	4	368632.9	1108476	360101.9	995414.7	481819.3	1266502	1370592	481806.4	1137659
16.08207	10	5	5	994555.4	4450477	3808517	3447842	3758590	8090729	2238559	9077386	1164082
10.9645	10	5	5	807051.4	3322595	884124	3112413	687067.2	4276773	4173442	2586083	2353026
10.97242	9	4	5	759973.9	3029947	490937.6	2900185	489197.1	2494349	3305941	2495477	3434350
9.07525	5	2	3	408285.5	833902.8	482716.5	733703.6	209133.6	1573127	889444	852222.3	588037.2
9.061	7	2	5	223269.4	539436.5	256137.1	485068.8	128700.1	324839.1	891543.5	255316.2	591272.7
10.9645	6	3	3	205337.6	432984.8	183175.1	479731.2	169918	727003	474743.9	375524.4	249160.2
10.44062	5	3	2	207367.8	506786.7	157698.6	462651	175500.9	438865.1	679037.8	629866	503050
36.25117	9	5	4	182381.7	447096.6	201281.4	546913.8	484028.2	764112.5	348578.8	219935.1	461726.9
9.880683	10	5	5	2901305	11910136	6383066	10614336	2293813	10575104	8233638	8053319	23180841
10.01477	14	5	5	897573.3	2361450	857786.8	2701703	1583318	3539531	1873641	1288381	2768043
8.94625	5	2	3	122203	197397.9	126196.9	230942.6	127827.5	198032.2	309525.4	305221.9	174210.3
10.92828	10	5	5	319097.1	1398892	465682.9	1273804	481579.5	1782830	1267297	993588.8	962172
9.0035	10	4	5	4238377	10511896	18250156	6703427	8385106	2816456	4435120	179169.4	43044069
9.450483	6	3	2	21316632	30830367	42597348	41914585	41352032	1839658	1005474	56269525	1021244
10.008	7	5	2	280641.8	570938.7	151360.3	526341.7	184384.8	660144.2	526851.2	787965.4	428076.4
10.9645	10	5	5	8046596	36287534	7638273	34232533	7927158	44124370	44652554	31020258	28131694
10.21522	8	4	4	221379.2	537900.8	128182.8	578179.6	172768.9	615288.2	698579	543078.7	369876.1
9.992233	10	5	5	2786619	6517739	3167437	7364247	3246875	8937518	10522933	5868748	2877573
10.95055	5	1	4	145979.6	345850.9	173723	390384.5	163563.3	484632	567283.7	184006.8	189406.8
10.98885	5	3	2	709218.8	2008500	1923258	2443646	1298235	3841428	4349234	728593.8	304760.5
32.47467	10	5	5	1646992	11257277	2882554	10592251	2076297	8655100	9919075	10421151	11138765
9.8374	9	5	4	1096054	3395607	1285345	3004960	1648106	4031904	3590203	1639636	2706108
10.97242	10	5	5	315675.1	1102612	365672.4	1002961	389632.7	1542379	1443932	759386.3	808496
9.960467	10	5	5	31939846	75430865	26756152	67533252	32756166	99586296	1.07E+08	63083459	45096380

10.9645	10	5	5	862072.9	3554110	754404.5	3821003	1204803	4280555	4421289	3035689	2742655
9.994767	7	4	3	802861.3	1113317	416049.8	1256331	639093.5	1446314	1035864	1591988	550196.8
9.975217	9	4	5	2872016	6534284	2381377	5849611	2791788	8703731	2638452	6311480	8160990
9.856867	11	5	5	19624936	1.31E+08	13284541	1.29E+08	6099509	1.47E+08	1.36E+08	1.15E+08	1.21E+08
10.82922	5	2	3	181427	494349.2	197207.3	438622.1	224918.9	192307	715258	590012.2	431067.7
29.615	8	4	4	654963.6	4455169	2382081	3909621	1686129	1842195	4982380	2098853	6970657
18.76067	8	5	3	492962	2011161	690654.2	2235754	982893	2789725	958283.4	1773747	2212251
10.008	9	4	5	963097.6	1110442	448727.2	1305187	928921.7	1210658	1772304	1186778	694868.6
11.30483	8	5	3	120222.2	506935.8	205540.7	454637.9	191513.3	591563.7	748473.4	580535.2	211757.1
9.992233	4	3	1	1199225	2167147	1930019	2642409	1668951	684733.1	1018193	589427.5	4139707
25.14117	6	3	2	6286598	21642650	11870593	27506376	28567731	35313663	31936186	20402588	7929718
9.45945	8	5	3	416059.8	1922151	845349.6	1632069	1298429	2019835	3263520	1849669	1003667
9.13445	4	1	3	273821.2	522693.6	121562.3	633746.3	566058.1	361197.1	626110.3	455399	514863.3
9.840617	9	4	5	1039088	4648182	608239.3	4248533	2004386	4798760	3604524	5033039	5115207
10.9645	10	5	5	993143.9	4211080	826549.9	4552794	1615317	5056351	5112395	3731846	3283186
10.4842	7	4	3	238633.7	669170.7	192786.2	592915.1	356862	500652.9	667244.6	614379.8	567432.5
9.93625	7	4	3	647767.9	1395545	239781.9	1454467	206785	1579381	1635579	1223247	1466276
9.964417	9	5	4	4704801	5648024	1437148	7179872	7848379	7449779	6240560	6165639	3912223
9.310917	4	1	3	1697345	4648058	1736990	6114269	7458133	6922395	2029746	4781696	4739188
10.8937	7	3	4	220222.2	514469	280929.9	448815.4	212504.1	606111.4	839332.5	152610	300978.1
16.27152	5	3	2	89376.04	228827.7	202973.3	181451.2	153017.6	301512.5	83094.16	55643.91	549381.9
10.03258	8	4	4	567179.7	3415094	774128	3156578	1147210	3632098	2565253	3737045	2711526
15.55123	8	4	4	153660.2	1423505	308849.8	1312155	508179.3	1777806	1452583	1056336	1170213
9.636567	7	4	3	507845.5	1242144	398225	1064626	852993.3	1170528	769485.9	1692390	1604322
9.433	14	5	5	84852064	6.63E+08	1.63E+08	7.09E+08	1.84E+08	5.09E+08	7.38E+08	9.11E+08	5.54E+08
43.57433	4	1	3	214820.1	2262670	187846.3	2359832	477463.9	1972343	2402477	2448748	2276925
9.964417	10	5	5	1088290	2208387	589177.6	2478352	1303989	3084670	1929520	2476802	1994567
9.842	5	2	3	4850524	13463688	10849046	11024835	7285778	2342803	14786209	26628594	2658947
9.994767	9	5	4	1144274	1374659	886572.9	1164232	703384.4	2310162	2299291	994976.5	339552.4
9.40615	13	5	5	922808	7752457	1158336	7304577	2089248	6242329	7402130	9451620	7654797
10.008	10	5	5	599203.1	2191216	67903.68	2068240	636336.2	2108474	2233777	2245120	2242604
9.43325	5	3	1	613485.3	2093736	1433165	1780293	870117.5	1088338	301373.5	3800924	3130599
9.960467	5	3	2	1180229	1715584	999175.8	1492816	653478.2	2742333	2707320	1654064	601055.7
10.9645	8	4	4	696575.8	2353959	534592.5	2467746	286829.9	2918109	2888200	2290209	1845863
9.346	6	4	2	614740.1	1956702	637179.9	2293048	1659158	2120694	1843498	2746164	2087951

36.33867	8	4	4	179240.6	1006042	373131.7	902927.4	411989	1228317	1008518	363214.2	1273715
10.9645	6	3	3	198726.4	488342	202508.7	565404.8	358490.1	797057.4	579138.8	382164.7	397323.7
44.9835	8	3	2	372572	3824874	2598259	4661221	3671366	1936096	3282834	2894576	2621988
9.856867	10	5	5	815999.1	2341386	98688.98	2610833	1400712	2436511	2256631	2259016	2295687
9.655117	9	5	4	1019519	2716909	609659.3	2424915	1424980	3187887	2716264	2725943	3235494
9.55155	6	3	3	631279.2	1016481	358393.9	1200760	907997.7	923716.1	1350916	1285803	1069403
10.00998	8	3	4	518335.1	1014432	419079.1	1141458	542134.7	1208329	1501217	1213186	545165.6
9.328967	4	3	1	355203.8	573973.1	399294.9	722479	688332	1239363	183575.4	554533.5	515333.1
10.9645	10	5	5	228685.6	1019520	257277.7	939616.9	345691.1	1385662	697760.5	873295.4	1052968
10.95835	5	2	3	327635.5	558197.5	446066.4	670454.5	412009.9	1181458	882153.9	198192.7	248998.6
15.17462	4	0	4	27823.13	92888.3	22710.24	100265.5	32632.75	113958.9	95321.88	115917.8	69820.16
10.008	10	5	5	584121.6	1965512	425551.5	1795337	805045.4	2119994	2459423	1870768	1305071
9.622983	4	3	1	367233.1	757797.3	311660.6	656038.5	451221.4	1008625	242033.9	703138.4	864940.1
10.9645	9	4	5	1336960	2422085	991137.1	2790250	1708732	3117037	3246818	3066917	1276984
9.983433	8	4	4	909266.7	1618488	448879.6	1731990	419766.8	2205019	1241332	1647297	1880519
10.01477	11	5	5	1370232	3942819	1083450	3498591	2114715	4400818	5348350	3305970	2507219
9.93625	11	4	5	1821628	5202717	1073831	5583797	1745803	3366070	5800358	5546556	5224207
11.05325	11	5	5	5081012	20580424	5884194	19125369	5242307	26697677	26642875	15944433	14127652
6.736483	7	3	3	778193.7	23473422	9167784	26653465	14473046	27717836	36186501	11741369	22482725
9.46855	9	4	3	1728695	4246393	4060774	5392307	4702237	3597195	1610942	4448742	10974125
9.538267	10	3	5	1622513	7113022	3851552	5920429	5178875	6595416	10177030	7057712	1041716
9.983433	10	5	5	2.54E+08	1.28E+09	1.77E+08	1.21E+09	2.98E+08	1.46E+09	1.48E+09	1.19E+09	1.09E+09
18.02717	10	5	5	1190662	4620131	862087.3	4358294	1126700	5728836	5007523	4021584	3526212
9.994767	10	5	5	832564.2	1908022	678272	2120242	928014.8	1932062	2971498	1986347	1218037
9.102783	7	4	3	1295417	2286441	1856774	1866687	1310982	1585725	756646.3	981191.7	2828623
11.35653	11	5	5	3494255	24789994	6986019	27372944	12040326	25643633	35872369	20151785	24570976
10.13878	9	5	4	714324	7669647	1040095	6989556	3452584	9175179	7803369	7830013	7215731
10.14893	7	2	5	193797.1	389804.2	209841.9	431114.9	62678.67	619866.1	97430.6	562602.7	304890.5
9.992233	10	5	5	673004.5	2083791	506739.3	1929385	666907.4	2227792	2439467	1720231	1408091
9.9847	6	3	2	3922695	4096141	6371784	5749694	6347908	15421400	2331407	1359354	1038558
9.859983	10	5	5	14329098	70179654	17990399	65061040	21213804	42230161	74553335	69844245	71929168
23.1325	9	5	2	572904.8	796089.6	318717.7	975338.4	899181.3	577676.5	634084.8	712447.1	698194
9.976317	7	3	4	426993.4	1026635	667792.1	1212045	755515.2	1445385	1729075	1332708	275642.7
9.9014	14	5	5	1381208	3329174	764292.3	3538209	842434.6	3658549	4280709	2516704	2569197
43.32983	6	2	3	366717.1	7083180	2136039	7519587	950058.7	8664796	5204022	8432587	4338711

9.928667	9	4	5	4837950	13128992	1668464	14569835	7430543	13632511	10802712	13491055	15320858
43.09967	5	3	2	344688.5	4432980	1930783	4804192	314754.1	6873726	4844227	4668443	4297030
9.392767	5	3	2	7652727	8117526	11654285	5725008	5386904	800952.6	1011136	9886774	27787320
9.853633	9	5	4	1511132	5621159	1279687	6070667	2068812	5674810	4930537	5233027	7776040
9.91765	8	4	4	684119.4	1766964	649236	1605582	593263.7	2074615	1643315	1043854	1362764
24.11883	5	1	3	89660.16	152641.6	59720.97	134179.1	80671.31	75630.9	241268.2	132408.5	152793.4
9.8322	9	5	4	607004.4	2322975	314603.4	2180100	699466.6	2464599	2567734	2519194	1799594
9.445217	14	5	5	2829917	26159877	6480333	24566815	5789694	24659877	32144238	33549480	21774433
9.9898	5	2	3	997022.3	2203295	1066802	1893583	1308668	3555657	1121268	2803532	2405728
9.311883	8	5	3	910355.5	3941183	1852984	4465399	2178779	3487096	1360600	5262952	6149392
8.94625	7	3	4	128432.8	408656.9	101946	373546.2	160997.3	425304.6	464642.3	500546.9	416347.2
26.8695	10	5	5	143803.7	542639.2	171416.2	586792.4	169758.3	743819.8	688904.2	399276	356072.6
9.40615	7	4	3	589976.3	1122549	534668.7	922660.3	940493.3	1679999	1690595	538665.5	745759.4
9.992233	10	5	5	2997356	7366608	3056558	6493794	3655433	10388222	9623641	2859489	5855210
9.071467	4	1	3	558877.6	751030.7	404864.8	636425	477264.2	727240.4	296818.6	574118	759872.2
10.9645	4	3	1	635540.1	1015081	644970.2	1166967	521364.5	820568.2	1898971	508917.3	388747.7
9.848417	10	5	5	3142889	9883401	1461487	10786613	4594511	10203204	9294538	11846407	10221045
36.99983	7	2	3	369033	6408216	1060471	5680654	3728665	6015609	6699649	8059941	6038538
30.296	10	5	5	257689	1285265	496654.7	1156124	502375.7	1515925	1813642	1278818	478249.8
28.259	9	4	5	183343.6	1360298	225557.7	1309063	164820.4	1569878	1316219	1066037	1247534
9.856867	5	2	3	1873156	4025618	2021284	4548142	2021742	3675868	1610047	2662451	6137858
10.9645	9	4	5	242353.6	730335.4	316806.9	807146	275911	1038000	1090278	371552.6	555443.6
9.275617	9	4	4	8750408	25926113	17735977	36337931	52784227	19870521	54618858	30683307	11749557
10.01477	10	5	5	491536.5	1677774	332562.2	1586013	376060.3	1693371	2220096	1650153	1354903
9.35985	12	5	5	2383677	11140762	2206569	10292046	4033560	14557989	11000532	11022691	10739295
9.999217	9	5	4	958967.9	2652318	785472.4	2433349	904874.7	3456692	3213794	2908658	1592091
9.857683	10	5	5	1567606	8442658	442924.3	8099337	1773100	9067346	8422674	8661324	7970516
9.319233	6	3	3	517277.7	2132402	1276739	2380817	359466	3906647	994630.7	782193.7	2491847
9.37735	8	4	3	751535.6	2414166	1508337	2761117	1151607	1074959	2885921	2025331	1289603
10.01837	9	4	5	453016.1	912707.3	556852.1	797046.1	287188.8	1462985	83032.59	1386943	866718.1
9.874317	7	3	4	914109.9	3932554	611310.5	3522970	2102619	4365038	3261559	4638652	4052054
9.983433	9	5	4	641113.1	1190135	533278.7	1314813	426591	1415051	1985211	1071011	607716.9
10.00998	9	5	4	411436.6	786602.2	231565.6	721309.9	272921.7	688053.9	1066777	930562.2	461708.7
9.538267	11	5	5	1435067	4213181	1942152	5569900	6983873	3590257	3931379	4983665	6927726
26.82483	8	4	4	290649	1237157	1294417	1554582	1164915	795645.6	81640.74	199253.5	1996396

10.45667	3	3	0	162572.3	455042.7	219322.9	507201.8	183510	316775.8	798049.2	544269.5	260786.5
9.4775	12	5	5	1089429	8471233	6265435	7050233	4603514	11701303	3588293	8970018	16853131
10.9645	8	5	3	377486.7	1270787	316458.2	1179364	388547.2	1799617	951444.4	1165366	1184015
10.97857	5	2	3	868320.4	2047816	1003373	1760134	1218642	2072091	3768769	1361640	1389588
9.933967	9	5	3	2644393	5528099	1397303	4984313	2604438	6505408	4812005	3888627	5054421
9.960467	10	5	5	1917300	3824394	703978.6	4246900	2156306	4283933	4222310	4466693	3269013
30.29417	10	5	5	9348717	68423293	12691216	63826184	21603569	69221214	86965698	65041587	51470810
9.55155	10	5	5	515176.9	1223570	300490.6	1127584	431042	1186268	1741910	1147361	980176.5
12.53042	6	3	3	93140.28	245683.1	51735.11	227167.9	86825.5	262983.8	228973.5	305698.2	166958.9
10.61648	7	3	4	122527.3	377354.2	54550.2	392845.4	65399.18	352711.2	441336.3	312068.4	354250.8
9.071517	7	4	3	186525.9	396697.6	221703.9	348967.5	137401.2	301066.3	441273.8	312756.5	173231.7
9.419733	7	3	3	354611.2	1616776	618169.3	1468158	534891.3	2158441	2246880	1728915	1000505
10.02372	7	4	3	272936.5	997679.2	141804.6	928896.7	343699.5	920165.7	1207602	1005893	1028371
9.94455	6	3	3	1360260	2078939	555781.1	1758767	1631058	2504867	1970461	2473094	2286094
9.992233	5	3	2	793395.6	940900.1	719109.4	1186500	1134934	1372017	1818362	1039715	0
40.65433	8	2	3	336547	2976677	747902.4	3296920	1569274	2911670	3045371	2928045	1944371
31.8825	10	5	5	309255.8	982853.2	325857.1	1165684	929692.8	493808.5	1126181	850749.9	1351024
9.960467	5	3	2	661374.5	1184559	185167.9	1094290	451886.6	1461303	1258333	1109624	970836.7
9.522017	7	3	3	564605.1	2544740	1528780	2964949	1737677	1631281	2318180	633563.8	3791554
8.902983	5	2	3	141155.4	262775.2	141952.6	306728.2	195287.2	322311.9	359049.7	300949.8	319919.1
10.9645	6	3	3	270182.8	508995.6	165860.8	575521.1	322029.8	692569.7	673107.8	316341.4	419777.3
9.4925	11	5	4	3787527	24586942	10110097	27921262	15229723	24605429	17476917	19151014	19663954
22.77133	4	3	1	47792.36	148145.1	78116.94	132780.6	27748.93	83186.32	274098.7	87857.8	166369.3
9.994767	8	5	3	305077.3	817787.7	206540.6	757630.2	258864.4	833225.4	893503.6	684010.3	569043.9
9.8445	4	3	1	4562956	12451590	6375721	10705472	7210487	15548551	2372510	19588320	12861825
10.08658	5	3	2	427869.6	1620461	588155.3	1749154	390425	1749434	1063060	1274246	2571908
9.445217	6	3	3	1437190	5291055	5211830	4129574	3682173	12291357	1585193	1771305	1310972
20.26667	9	4	5	42061.71	209065.6	63334.96	195634.4	37273.55	256052.2	269035.1	150683.1	131614
10.9645	10	5	5	844036.6	3596250	757839.6	3848124	1155984	4357607	4438790	3146301	2755182
28.8515	9	5	4	2657481	24953475	18941438	20831960	12360622	8431266	27934804	2486339	42657655
9.46925	8	3	5	483985.6	2410863	957317	2095032	1445923	3189877	1406931	1387764	3370711
13.56607	3	3	0	34476.52	87262.91	32024.77	95109.55	29174.02	80257.21	138604.5	55666.91	67895.94
9.920517	10	5	5	2680234	6084794	1156134	5752324	1422942	8076754	5990761	5303612	5787222
9.4468	8	4	3	1483392	7397198	3667090	6494565	3375237	9324910	10008503	7215406	9325252
9.960467	9	5	4	2063927	6281095	2149776	6799908	1892960	8294708	8934224	4965661	4453095



9.842	7	3	4	3516973	6140312	2912782	7078582	4257630	7032666	3397317	5326714	4200898
10.95835	8	4	4	214247.5	637833.7	311471.5	569963.2	204888.5	921294.7	957892.9	514458	591125.3
44.6385	11	4	4	328237.3	4019767	1762998	4564399	2425478	4361193	5055262	4706175	5067043
10.95055	10	5	5	762955.7	3276282	1362733	3665724	1661114	4955061	4522495	2589607	1956802
9.887133	10	5	5	9184754	49026416	12476849	45906449	11891168	51955073	53931591	27304986	52668992
6.794633	7	5	2	858631.8	15962232	11926940	19804426	17441172	9423282	37233839	10234055	11916114
9.976317	9	5	4	713330.4	3232904	687087.5	2917217	1573105	3737063	3841790	2914589	2185032
40.92767	4	0	3	199462.1	1707013	58733.42	1958242	1338979	1649600	1702293	1749385	1782045
9.4873	10	4	4	1093347	2162258	1588165	1844244	683237.1	1925783	1346829	4959772	1385822
9.992233	8	4	4	387533.7	1078439	477943.9	951840.7	511738.8	1161929	247205.3	1253769	1261615
10.02372	6	4	2	558940.6	807865.1	268475.1	726519	359675.6	582076.2	651142	714137.9	1258806
9.840617	5	2	3	1835579	8164078	2165454	7702278	1320840	9407001	4588203	9231191	9911698
10.9645	10	5	5	811400.9	3266100	733281.6	3492456	1010536	4384804	3508072	3004163	2426442
42.53883	5	0	4	274195.5	3442147	249291.5	3176107	1404413	3130618	3611765	3380278	3322480
9.992233	6	4	2	575290.1	847408.3	537818.9	975242.7	459082.2	636600.4	874137.2	463365.3	1765099
10.9645	10	5	5	23165974	92042078	26258239	85636942	23837495	1.19E+08	1.2E+08	72103273	62654571
9.701933	8	4	4	330778	901066.2	333699.1	816930.9	325591.7	1330826	1066896	527528.5	604239.6
9.960467	10	5	5	930304.9	3354832	397295.7	3227947	576338.8	3646332	3715373	3554427	2845545
10.9645	9	5	4	379324.3	990994	266470.6	1081399	420411.7	1239934	1308037	737149.6	770168.7
35.86267	9	4	5	789748.5	4595661	2843039	3808973	3301857	9098732	3184806	1759258	3471404
29.528	10	5	5	1008089	5274476	1641221	4783547	2162454	5025294	5797626	3056830	4898769
9.93625	6	3	3	866206	1570816	436522.5	1443949	549987.7	1880371	2032268	1724759	1076874
9.45945	8	4	3	480592.1	1510173	538650.2	1658215	618840.3	1998944	1101473	2190450	1167433
40.10767	7	2	4	413469.3	4631265	728993.2	4867828	1082711	4659734	5828896	3904579	4244053
10.9307	10	5	5	551528.2	1976890	509058.8	1867091	327855.3	2599255	1939906	1349285	1642278
9.017783	8	4	4	1759417	4001054	2386382	5337005	6847152	3987335	7460887	4639285	2973864
44.73917	6	3	3	415169.4	4865826	1024984	4649018	612145.5	4926781	3969372	4673575	6569224
10.17253	4	0	3	56454856	82124086	36986799	1.1E+08	1.47E+08	1.15E+08	22306229	96784994	1.05E+08
19.184	4	3	1	99749.1	406271.6	229266.3	455209.8	142247.6	190496.5	706182.1	520965.2	163983.3
9.912633	5	3	2	2866734	2008492	1288452	2523982	2516789	3266081	0	2855579	2349426
10.95055	4	3	1	206222.6	380251.1	118492.4	333545.9	227313.4	504009	241078.4	403241.4	274190.5
9.93625	10	5	5	4431541	16925211	3843242	16146765	1847298	21775893	20095720	14072547	12925625
9.527817	11	5	4	1557108	13851211	5211686	12616055	4457323	10581770	15200534	14044730	21592329
25.3125	8	4	4	389944.3	2553918	1783613	2134181	1500235	743111.6	3800184	573993.5	3219662
42.85533	11	3	4	443589.9	8783407	2494899	7731052	5200318	10945576	9573058	4837982	10610541

9.976317	10	5	5	2750314	8380992	3539220	9342981	4008719	10965711	12583250	8752629	4843834
28.906	7	5	2	308806.8	1534919	1267829	1248584	956671.1	394164.2	1428463	203842.7	2720696
9.976317	9	5	4	347850.6	1030133	275380.6	915925.1	562915.4	1279404	1225296	885246.4	618389.6
39.70467	4	3	1	350414	3858013	2512668	3381600	551915.7	3315806	7901974	974633.6	3773903
11.68858	3	3	0	97096.38	185479.8	96614.51	205795.8	56783.77	133222.6	106672.6	118577.6	237962.1
28.2735	6	4	2	63910.78	208371.5	95010.7	189323	43128.29	303748.7	318464.2	159963.1	140170.7
10.4842	6	2	4	113860.8	202813.6	75400.37	235039.6	159879.5	217872.3	231986.5	112816.1	146588.1
29.878	5	3	2	11892114	33284812	45761901	44426130	41831486	151760.2	104356.8	152196.2	74782035
16.68017	10	5	5	329170.6	1967125	555393.8	1831865	508175.7	1822064	1844585	1265057	2109348
9.976317	10	5	5	2268114	7289669	2737437	8078321	3425485	9304305	10384413	7840048	4363097
10.6618	5	4	1	234719.1	758558.8	335413.1	690233.6	169383.7	424894.1	1163370	1026178	740506.2
9.960467	10	5	5	1310593	2987241	554300.8	3296930	1593684	3485275	3256993	3412577	2478746
25.39117	6	4	2	85278.85	289313.9	174893.3	252263.6	106693.7	187210.2	594431.9	276666	210697.2
40.525	11	3	4	302435.1	5243805	3852932	4487132	1500844	11975492	4079607	3902934	2135689
9.43325	5	2	3	1654359	11530550	6661323	9922729	5989962	16726551	2480987	15131167	16929756
10.95602	6	3	3	587656.6	1930645	308388.5	2076344	735837.4	1989239	2400138	1940499	1584963
9.36565	4	3	1	315245.3	573945.5	415811.5	471778.2	389081.5	876018.4	111717	146148.3	743746.8
10.95835	5	2	3	211741.8	882201	280297.2	946702.2	224417.6	1060759	630623.8	911218.3	574594.6
9.859983	5	2	3	1397706	3957477	1480539	3590809	1410568	3936245	2700447	6191799	4411698
9.55155	10	5	5	646701.9	1518964	298604.2	1625348	506933.1	1493865	2003278	1440019	1182315
9.976317	10	5	5	2135469	6174467	2413888	6872532	3046749	8090958	8790339	6654148	3642929
9.989483	6	3	3	299927.9	691296	320651.4	601581.4	383573.2	409062.1	341242.7	931084.2	694478.1
9.999517	7	4	3	351500.9	608994.8	222997.4	671231.3	265690	222195.5	616865	734205.5	762041.5
9.840617	9	4	4	1726368	2030896	656167.1	1816696	991036.9	1257992	1430116	2401450	2284004
10.94208	5	2	3	237085.7	479195.2	156119.8	552018.2	367576.3	377733.8	722231.3	541923.5	336252.1
9.858833	10	5	5	79526016	4.02E+08	17214520	4.19E+08	91354094	4.25E+08	3.97E+08	4.13E+08	3.97E+08
44.466	7	3	4	319449.9	4279476	1203483	3696770	2956770	3748200	4226370	2828630	6113295
10.92253	6	3	3	269741	888393.4	164012.3	788420	519341.6	761952.1	1088354	701908.9	872517.6
9.571683	15	5	5	1117632	9672926	2087030	9138280	2133416	8382347	11305240	12263529	7186412
9.092333	9	5	4	1169923	1424410	390723.5	1532378	458239.1	1725731	1111070	1302594	1045298
9.8322	8	5	3	490302.1	1735027	543578.1	1543414	911905.6	1996474	1813118	869458.4	1666459
9.960467	10	5	5	889885.2	3699900	561539	3506671	912973.7	4231122	4069604	3985834	2938614
10.008	10	4	5	477221.1	1587496	500578.9	1458208	521211.5	920847.7	2083819	2091381	1452586
11.16387	11	5	5	1469174	4578009	1403678	4998285	1877837	6052986	6116922	3912344	3141929
10.8937	6	3	3	132242.7	289745.2	140621.4	254479.7	138425.7	411819.6	363490.5	85585.84	201608.1

10.008	8	5	3	510422.1	926710.7	380744.4	810526.8	524488.7	929051.9	422262.2	1369657	1208719
37.53183	8	3	3	348209.8	5240966	2239794	5734781	1603324	4961050	3358367	4589026	4192733
9.999217	10	5	5	2075220	8200071	2209709	8748692	2134273	10808596	9006319	8551499	4757935
33.81667	6	4	2	64691.92	274754.5	128422.6	303175.7	93072.07	386344.9	221398.8	147591.8	182482
38.92767	3	0	3	397366.5	5992187	214268.9	5538483	2444119	6025171	6281223	5720158	5858183
21.66983	5	3	2	68404.98	315580.1	116595.9	276447.8	183972.1	192769.4	258230.6	256266.3	391642.4
10.37347	5	2	3	297260.7	677168.8	188116.4	637550.6	114641.2	922163.6	815900.8	639126.9	481025.4
10.95835	10	5	5	425147.2	2380140	506855.8	2202281	848900.2	2609629	3118134	2051128	1817759
11	10	4	5	840083.6	1870684	715120.9	2077663	910392.4	2118050	2930450	1096182	1359833
10.94208	5	2	3	198419.4	477090.8	195198.8	528741.9	213940.6	432660.3	815186.4	317271.7	438698.5
10.03947	9	5	4	311955.7	1166949	149318.6	1090896	390667.1	916608.5	1229051	1311905	1207409
9.9677	10	5	5	8578885	21416408	7773710	19046744	10730178	27945419	31104467	18015123	12605925
9.36515	7	2	3	645311.8	2201508	839013.1	1909663	1393236	1434138	1379957	2102644	3288181
9.976317	10	5	5	4837927	12777370	4664977	14155867	6158462	16852158	17481185	13734376	7984971
9.392767	6	3	3	709283.2	1136776	825535.7	928593.4	828897.5	1025552	1614521	150669	633833.7
9.40325	5	2	3	1174091	3676092	1605401	3987544	602560.9	5318908	1953642	1957535	4383642
9.856867	10	5	5	71731008	4.6E+08	25553187	4.51E+08	42351943	4.95E+08	4.68E+08	4.34E+08	4.36E+08
9.9014	9	3	5	1948508	3923338	823014.6	4209770	1369331	4339417	3237765	3510035	3353046
9.864767	10	5	5	18100606	1.13E+08	8085527	1.1E+08	12956543	1.11E+08	1.19E+08	1.08E+08	1.03E+08
9.9677	10	5	5	1383022	3669076	1218992	3285790	1765639	4760550	5051258	3343145	2131837
9.445217	6	2	4	5375600	32456512	6663743	34865250	11651017	36422612	25274327	25846791	34340673
23.045	8	4	4	171028.8	1716935	502164.9	1616823	235978	848411.7	1917167	1862141	1810610
33.7885	10	5	4	160093.1	853578.7	337612.5	777166	264639.2	1443386	827606.5	676958.5	635284.2
9.979667	5	3	2	738193.3	1352737	566323	1191165	708951.4	1845223	394374.5	1598119	1326302
10.9645	10	5	5	749055.9	2897196	766572.6	2638540	1225301	3665601	2433995	2212891	2377731
22.756	6	4	2	56315.2	230814.9	74772.24	215415.8	42239.99	103512.2	261626.9	236709.9	299239.1
9.541433	12	5	4	13074391	28330003	28680273	34977393	24011784	29842653	69387554	1150216	1333910
10.16938	10	5	5	1100395	4463654	785599.9	4233956	1024300	4902592	5498319	4224867	3406891
9.872883	10	5	5	1685101	10156595	2315756	9368295	3751815	8254685	9730902	7791466	11779172
10.008	10	5	5	491408.3	1610773	238169.5	1531853	372138.7	1625449	1902454	1779127	1356288
9.516467	10	4	5	3085943	29596650	8130276	26410572	15763472	41353859	26385003	33912407	20470960
10.9645	10	5	5	4641826	19543510	5398922	18340650	4072197	24637934	25494850	15374786	13440714
10.91977	5	3	2	131485.7	277061.8	103209	315786.1	189824.6	277410.9	438905.9	261678.8	151687.9
9.61185	9	4	5	624557.8	3121237	763695.8	2923101	815710.3	2379000	3447314	3168542	2409726
11.07685	5	3	2	437963.9	429427	185266.6	504275.7	373246.6	670845.2	223325	487564.6	502673.7

10.95835	10	5	5	356378	1432664	319093.8	1356583	286854.9	1754548	1749104	1290171	1011094
39.063	7	4	2	303788.2	3860154	1091233	3644081	500435.4	3168049	5603553	2786615	3656831
10.02372	8	4	4	1928307	1502422	1977988	2098490	2706323	496213.9	489663.3	863174.3	632677.1
9.999217	10	5	5	5308742	12778535	3125480	11403213	6968734	13732281	16820540	11101755	13717863
9.346	7	4	3	519114.3	2090192	1300735	2462154	1644201	1113215	4350637	1939914	1384112
9.445217	13	5	5	5.26E+09	5.19E+10	1.77E+10	4.8E+10	1.25E+10	3.76E+10	5.5E+10	5.28E+10	3.48E+10
9.992233	9	5	4	387137.5	948308.4	318264.6	878210.3	234198.5	1156231	1035716	1312261	666151.2
9.856867	11	5	5	15262408	1.15E+08	2291142	1.12E+08	14958683	1.16E+08	1.12E+08	1.16E+08	1.17E+08
10.00098	10	5	5	488333.1	972966.1	426497.2	1112189	656601	1298719	1493519	962622.7	577182.1
9.880683	9	5	4	860326.1	4181890	208684.6	4464614	1533048	4474292	4045585	4120751	4310298
9.864767	10	5	5	2459095	17505155	753153.3	17071154	2278477	17831818	16198729	17846742	18084229
22.71217	5	2	3	95370.16	265789.5	102776.7	291244.5	100942.9	180927.4	351120.2	401483.5	204277.7
23.205	5	2	3	119267.8	481026.9	332713.1	409207.8	230502.6	342192.3	763538.6	226589.4	167061.9
19.98483	3	3	0	36352.12	79696.96	16036.79	73083.7	33265.46	94109.29	54352.7	73721.64	88285.03
22.8425	10	5	5	569540.1	4132570	636753.7	4304286	734237.3	3474444	5173368	3889065	3927981
33.54333	10	5	5	1303533	10718750	3337883	9963989	2658968	15017884	10068003	5826550	12030824
9.858833	9	5	4	13880326	42149023	10049474	39383638	11992904	46582008	27651090	43437958	54721028
9.960467	10	5	5	3963112	12580569	2168233	13410434	4110221	14108900	15269769	12573421	10043164
9.994767	5	3	2	230368.5	406652.6	132009.2	441735.6	148486.4	221370.8	538360	332991.8	517753
10.55298	6	4	2	164414.2	624675.5	408015.6	709173.2	243354.7	363681.2	1259164	782682.9	479342.5
9.388367	7	4	3	455748.1	919727.1	526569.4	773843.2	636727.9	1148213	1262547	965927.2	1221948
9.473733	10	5	4	997622.9	3836452	1653060	3325480	2366026	5211252	5438820	4368759	1956788
9.992233	7	5	2	414952.4	726555.6	264535.3	627478.9	489047.4	821173.6	1086780	781497.5	407464
10.95835	10	5	5	1497267	5768413	1787852	5349206	1567176	6954431	8277652	4733304	3951979
9.856867	10	5	5	3177327	15484447	2585552	14199873	6665256	18348590	12968609	12535749	16528019
10.9645	10	5	5	631280.7	2659296	663613.8	2503308	585617.8	3285244	3297758	2069580	1882224
42.13617	5	3	2	416265.7	6561701	1266414	6943685	1751682	7376011	6268274	8000863	6496538
9.93625	10	5	5	4629503	17036707	3816089	16270356	1982897	22139483	19934491	14499253	13197632
11.01157	6	2	3	1228390	3159214	1878302	2661994	2108930	2810074	5253189	981168.4	1831844
28.65867	4	3	1	95334.17	292465.5	178811.9	248214.3	176832.4	198842.7	472847.1	34207.63	327278.9
10.9645	10	5	5	3188929	17403949	2861498	16654182	3156078	20603844	20017142	15077280	14212703
10.42575	8	5	3	314787.7	1353272	622824.9	1217694	449150.9	1542590	2021563	1772523	517066.1
9.023433	5	3	2	159453.8	674263.3	303470.4	604637.7	253528.5	587076.1	1084990	329099.9	875741.6
28.86367	5	3	2	296546.5	1548839	1220038	1290763	802170.4	423388.2	1806246	164290.6	2386161
9.992233	4	3	1	369953.6	400046.6	288734.1	495468.6	455665.7	662746.5	0	662824.5	220065.6

23.51217	4	1	3	76224.88	170112.8	56057.1	152702.6	81173.45	98346.04	209623.7	239941.5	163076.2
9.392767	7	4	3	651897.4	1175731	397398.3	1085534	323998	1678293	1434592	776291.3	786105.6
24.15433	6	4	2	234541.7	1146409	602367.9	992036.5	640230.9	693834	1737410	756027.6	675250.9
8.8977	4	3	1	2493048	2063224	3848531	1344662	1046830	8943387	555045.4	368560	212814
10.9645	10	5	5	311898.5	1214903	340905.9	1124856	383629.3	1596130	1540318	902992.7	878894.1
10.008	8	4	4	551414.2	1064141	391379.4	1191863	608996.5	1172138	1679103	961618.1	654203.4
39.31617	5	1	4	417724.2	5862040	665125	5565483	1525539	6027307	5836033	6304435	6400881
9.848417	5	2	3	6762578	19220431	17812551	15219706	14218559	1826574	17149318	2208624	39412395
9.976317	5	3	2	650074.9	918844.7	393785.4	1042931	584425.7	1271450	1419740	638861.9	598999.5
24.88383	9	5	4	134686.5	567674.6	153233.6	599795	98680.44	391814.8	562288.4	540874.6	529208.2
9.856867	10	5	5	6424779	46248109	1678712	45000372	6721420	46332972	44141348	48216657	47489292
9.983433	10	5	5	1.19E+09	5.98E+09	8.28E+08	5.7E+09	1.37E+09	6.85E+09	6.88E+09	5.58E+09	5.1E+09
9.311883	7	3	4	503224	3022349	1146119	3505277	2464291	3897993	1170863	2907301	3092742
10.95602	7	4	3	201856.1	634357.2	222929.3	566498.6	315233.9	428753.8	421194.2	652616.7	711033.8
10.008	10	5	5	791765.9	2491807	581431.5	2324221	757770.9	2595854	3391823	2509105	1912181
21.1525	10	5	5	289390.8	1378528	319171.7	1465680	381497.8	1552440	1827231	1302283	1207398
11.48403	9	5	4	86152.87	269468.1	61045.43	306958.6	199936.5	189457	231524.4	331402.6	268671.6
10.94443	9	4	5	323456.2	1654129	577995.9	1537262	321672	1975423	2046097	1012789	1041304
9.975217	5	2	3	378254.1	657823.4	241433.6	580560	367070.4	413360.5	995392.1	773807.2	443427.7
9.9677	10	5	5	1077302	3630718	680172.7	3369273	1311492	4086338	4491120	3226102	2772763
41.2295	12	3	5	378900.5	6802017	3231876	7941349	5590544	4252027	7580336	11091460	2983546
8.785267	8	4	4	268964.6	1532233	370906.1	1417248	539412.3	1591419	2143655	1257210	1236812
19.4465	5	4	1	55372.95	257533	86095.43	274672.8	44427.8	377850.1	191007.1	305910.9	166522.9
9.530583	12	5	5	1851586	8802198	6745502	10568466	7519607	6972164	2856715	2519650	14246245
10.79303	9	5	4	208483	555167.8	270227.5	502998.2	114256.5	538178.7	1015967	357664.8	503169.4
9.331383	6	4	2	640278.4	1760037	356188	1653509	492208.9	2027146	1723322	1319272	1534782
11.80168	9	5	4	120258.6	472232.6	115462.4	430189.7	208464.3	528505.4	437511.7	335392.6	421287.6
10.02372	10	5	5	541708.3	1100852	306073.3	1214930	569041.4	968286.2	950432.4	1606257	1154496
10.03947	5	3	2	269856.1	358477.5	239892.6	294438.6	277056.6	348251.9	30436.91	252401.2	501572.4
10.9645	10	5	5	645655.4	2594246	635120.2	2444890	572890.5	3239534	3218417	1951712	1966016
12.2379	8	5	3	359261.5	3278432	466288.5	3610893	1793634	2868472	3285657	2771728	3608062
9.972483	10	5	5	980498.7	2352999	1203325	2688907	1498415	3632383	3477161	2352512	1106430
9.374083	6	3	3	1118999	1641547	758516.2	1917517	1369840	2250779	1821478	492455.7	1315220
10.94443	10	5	5	496972	2529022	760819.2	2323449	898498.5	3406125	3243239	1645006	2221976
10.94208	5	3	2	325182.2	1138791	390849.7	1007785	635075	817544.8	1357961	693647	1175818

27.99633	8	4	4	189162	826696.8	558478.8	682221.6	611553.5	657250.5	462839	1690007	283055.6
10.97242	5	2	3	1184473	3229108	1095492	2897699	1544482	4667691	3059080	3323976	1608375
9.102033	10	5	5	5031400	15058741	5191082	13567324	6774947	13118422	22072669	18111233	13495176
9.999217	10	5	5	1764247	4045970	977942.5	3673297	1873276	4901931	5006483	2849075	3213813
11.86923	8	3	5	872545.6	15872551	1705695	15133255	3810344	13134244	15759128	16729237	16032701
9.999217	10	5	5	2264531	3055942	1686107	3567830	2390928	3941617	5354776	3099461	1228856
10.9645	5	3	2	8598058	16198933	20147713	20736938	16441396	2681272	46636271	2229566	27275018
9.075083	6	3	3	731072.5	1146886	866710.9	964292.5	580115	647009	337319.5	1142781	1017291
12.17992	6	3	3	166613.8	636881.1	239449.1	559584.6	370747.2	893134.9	827113.3	682708	344882.3
9.494433	8	4	4	7983844	24211512	23716165	31195504	32243401	1660969	20639117	2382137	41035635
18.3115	7	4	3	729505.2	6304990	1152992	5747435	2926173	8163361	5497213	5406917	5785245
10.96997	6	4	2	488151.8	1390228	403889	1546461	790193.3	1163983	1654988	1182718	987959.7
10.95055	10	5	5	210241.8	638801.5	198397.8	693065.5	240429.3	876351	826642.3	512103.7	539814.1
37.10133	6	3	2	563693.9	3059493	1873455	3646883	2791917	2048626	1442400	1915123	3951257
20.7205	5	3	2	135397	527828.8	160316.3	465720.2	314478.8	349907.9	666365.5	423516.5	475678.1
20.05667	5	3	0	18473212	1.34E+08	47647842	1.23E+08	41530412	1.01E+08	2.16E+08	1.35E+08	1.07E+08
9.508883	5	2	3	247432.4	360481.1	274927.8	289325.1	303390.7	467269.9	735970.2	378896.5	220268.8
9.356517	6	3	2	1737824	5925266	4123373	6932693	4080939	10894404	1216229	4804402	9479322
10.008	9	5	4	322219.9	759220.8	192047.6	708851.4	217208.2	698728.8	1098183	711879.2	647033.7
9.992233	10	5	4	544476.2	1059024	259836.5	1149500	446758.5	826159.9	1012727	848509.7	1461157
9.976317	3	3	0	617422.3	756332.3	329903.1	624852.2	670904.2	697432.1	1330409	680628.5	538990.4
9.49445	15	5	5	5787006	47130545	10154269	43958700	15098463	39661434	55637574	60162065	37313330
10.03947	7	4	3	250835.3	661596.1	190417.6	594324.1	333864.8	740035.1	944759.5	577111.3	441900
9.872917	10	5	5	2724351	16420940	1293967	15883423	2767511	16299074	15202019	17726342	17760011
9.445217	13	5	5	6313923	54638558	13227618	58661766	18952972	43752760	66431291	71406029	44224965
29.86267	10	5	5	172066.2	987048.3	180247.8	1037458	227557.6	1029262	1069287	733330	1207701
44.46617	9	3	2	362933.2	4540854	413843.7	4447192	346784.8	4348429	4162815	5228324	4369070
9.061	5	2	3	439784.8	798441.8	392263.8	720637.5	207986.5	1207520	1137372	724804.6	685371.2
9.45945	11	5	4	559981.8	3757458	2079008	4284937	2225125	5636064	5590198	4128805	2698182
10.95602	10	5	4	265209.5	853089	235709.1	789166.8	283657.7	1100679	1000500	759401.4	496238.5
9.596017	5	2	3	1832088	1400562	1012821	1202527	499308.5	1746859	535832.3	859263.8	839318.2
27.52367	7	4	3	435655.9	3075012	571125.3	2945329	484099.3	2491480	3061594	2596114	3333668
10.9645	7	3	4	358837.3	857809.1	347082.9	761112.6	436753.5	1203340	1248792	568056.7	520735.7
10.9645	10	5	5	450458.1	1386249	340557.6	1296879	388091.3	1941730	1265372	1324882	1016153
9.976317	9	5	4	1231923	2406275	1032608	2094658	1468288	3006959	3782188	2244679	1087722

8.964883	7	4	3	530798.9	1355592	529877.4	1702085	1879443	1731988	1990525	1064409	1337700
9.872883	10	5	5	687288.2	2120106	405683.7	1990962	622155.1	2603921	2479442	1652811	1987488
9.840617	10	5	5	1129367	3714160	967775.4	3516185	596953.7	4664727	4743983	2735384	2811716
10.39612	7	3	4	175610.1	322821.7	93187.97	342745.1	67157.81	292993.6	467172.1	359184	259706.8
10.2608	8	3	5	260450.1	1040291	266404.7	1116754	351816.6	1057109	1280628	1296223	903560.4
9.1322	7	3	3	288100.3	862195.2	548901.1	1023794	753338.3	1668150	777406.8	1119200	328632
11.52297	10	5	5	251667.9	905481.9	182678.2	961842.5	268422.4	1189902	787049.9	736364.5	836482.7
9.874317	7	3	4	1416094	4817873	2294182	4242071	2418251	7916382	2774585	2459705	4810746
9.960467	10	5	5	898077.9	3077664	690681.8	2913148	655798.9	3629610	3809473	3169813	2152091
9.960467	5	3	2	724000.5	1338955	301267.9	1208298	680764.4	1407735	1178522	1193501	1833881
9.904767	10	5	5	1417052	3299164	818803.2	3054530	1149885	4075046	2392829	3970678	3603531
10.38125	6	2	4	168492.1	463537.8	150944.9	432718	92890.7	513191.3	686748.3	456697.9	289186.6
9.507167	10	5	5	1266636	3611278	1718100	3139855	2117466	4568548	1066167	2601408	4811092
9.43325	8	4	4	2472199	17907131	10069699	15608838	8698300	21647364	28061648	1109785	18326827
9.994767	6	4	2	792813.6	1129940	1282744	1424429	1124028	3408122	810308.5	502010.3	534914.1
9.880683	10	5	5	1438282	7847887	1164280	7507621	1584054	6999715	6639977	8760482	9356950
13.52208	5	2	3	154554.3	814448.8	670206.7	660756.2	586172.4	83868.29	1282303	1226077	82902.18
26.09517	8	5	3	299249.9	1972089	1063825	1720576	997615.5	1115388	2593568	713691	2124043
8.903533	6	4	2	2066293	22321498	12635886	19242903	12615939	31042673	309989.5	30291485	24521603
9.516467	8	3	4	949975	2904191	1519843	3524636	3208625	4180701	2995800	1389676	1349915
9.4775	5	3	2	681328.8	3115896	1422108	2798644	1166262	4578027	1233333	2013039	3752657
9.046783	10	5	5	3892108	29623509	13158890	26204356	14862853	26998870	49957376	34169626	19901763
9.092333	10	5	5	2000677	6602593	1623646	6150684	2056357	6502359	9352194	5856792	5100108
9.853633	10	5	5	2094619	8698536	4454264	7815086	2445443	8536530	5694268	4919692	16165655
10.9645	10	5	5	1210908	5675646	1427737	5998810	1218243	7159037	7211912	4428572	4306164
11.70442	10	5	5	136095.1	581898	64075.65	556427.3	131272.6	656979.5	541848.9	515488.3	643841.7
21.18133	5	3	2	44765.08	141426.9	39186.78	130640	48831.71	202943.1	146261.8	134876.7	95654.84
10.22043	5	2	3	213214.1	728602.4	372867.1	655189.8	197725	437233.2	1346717	808583.2	520331.4
9.929783	11	5	5	2319536	5586081	975421.3	6151440	3060017	4619508	5079403	5701739	7181364
23.82067	11	5	5	443437.2	1855566	715356.7	2183307	1731307	2844842	1908190	1029104	1324022
10.18683	9	4	4	793761.2	1794483	687045.6	1620323	746272.8	2427682	2561335	1421517	939935.3
9.888767	10	5	5	1576899	5381085	412689.6	5240687	699641.1	5421342	5420403	6015522	5125731
9.986767	10	5	5	783805.3	2701958	573636.2	2923131	1137867	2698204	3477125	3031876	2154662
30.27883	10	5	5	2433757	16140136	3008533	14947982	6169054	14091529	19829317	16118242	12407811
10.95602	12	5	5	548808.9	1216504	401407.9	1116344	425116.2	964258.3	937022	892196.6	1519618

9.431517	7	3	3	3489280	8330078	8701637	11205971	14221585	14128127	3634010	1881031	1223077
11.52297	10	5	5	27606872	1.63E+08	22540941	1.71E+08	36767199	1.97E+08	1.76E+08	1.48E+08	1.44E+08
22.62767	4	4	0	47832.54	175396.1	57490.52	188304.7	48683.26	129606.1	175623.1	273497.2	141383.9
9.887133	9	4	5	1383976	6539837	1874698	6086573	1870125	8767609	3926198	7269133	7282741
21.72717	10	5	5	157581.9	711458.5	314155.8	620931.8	423977.4	807680	208847.6	1060619	671703.6
9.976317	7	4	3	530350.3	887121.7	345268.3	767095.2	603806.8	1065565	1410789	653226.6	709808.7
9.268717	10	5	5	872265.4	1696867	618327	1956009	1358409	2756698	1428757	1364956	1223744
18.74517	5	2	3	302913.6	656023.8	787465.5	839338.6	727341.2	207958.1	253281.3	35216.04	1961575
9.874317	9	4	5	1904301	5742246	1956206	6306207	2643579	5918713	3432651	8125804	7071143
9.845483	10	5	5	2528891	13706536	1038631	13164413	2925257	13496526	12504748	14968355	14563570
9.928667	10	5	5	8300146	34739593	9373227	37298616	11653496	24476261	42152164	42587337	39892092
10.94443	6	4	2	463097	1073518	291923.8	1156160	384405.4	762449	1238200	979884.6	894009.2
25.69517	6	4	2	374303.5	3514496	1127936	3282074	748527.1	2784162	5337112	2942431	2633473
10.008	10	5	5	547461.6	1545415	287008.2	1643503	491849.6	1410460	1949697	1742702	1307058
10.36838	11	5	5	10694637	36902214	9281218	39502403	12037611	52270907	37620391	35109584	30867594
9.976317	10	5	5	2219030	7301774	2790802	8030400	3226791	9460024	10380605	7841793	4275387
9.874317	7	3	2	692689.1	1269927	711069.1	1072384	910455.1	642132.1	512020.7	1423088	2254226
21.62883	4	3	1	88638.05	371713.5	92017.64	417448.2	245984.3	272373.4	297353.8	378176.9	408186.2
10.95055	10	5	5	416582.6	2535813	921392.3	2334237	736142.5	3502643	3424287	1815902	1463697
9.872917	5	3	2	893389	3081059	1925953	2706851	994089.1	3417128	1606311	1552614	6238961
9.848417	7	5	2	655304.1	1289593	163058.9	1539400	1406595	1329546	1489555	1212930	1057022
9.976317	10	5	5	2352896	7395890	1689887	7953408	2770889	8327507	9124125	8372782	5598566
35.9635	5	3	2	181249.4	557230.5	272303.8	622168.6	266398.1	839779.6	716374.4	681264.4	184844.4
10.95835	10	5	5	232811.8	868768	220535.8	826407.5	107028.8	967676.3	1138830	658796.1	623288.1
30.28383	8	3	5	116670.2	669974.1	244186.5	586917.4	416960.8	622756.2	903670.9	778425.7	271102.1
9.994767	10	5	5	944890.1	2492927	1119805	2234329	1023486	3485053	3222203	2861627	679927.5
20.08633	10	5	5	693330.8	3291655	658729.3	3114312	804806	3719542	4239120	2825771	2726677
9.94455	10	5	5	2202166	8921793	1418815	8621144	1041507	11105326	9566902	8194543	7614832
10.49903	8	5	3	115354.1	270087.6	78246.99	241914	143969.3	312841.3	326992.1	340380.1	180545
10.9645	10	5	5	1037195	4294695	930402.3	4593079	1473884	5264912	5321090	3724665	3331120
9.999217	10	5	5	2122511	6407989	1692768	5861161	2711258	8448473	7700285	5960409	4169861
9.992233	10	5	5	2352174	4842996	2782421	5558947	3161753	5899185	8730467	5274735	1925451
9.419733	7	3	3	1375968	7041328	2580797	6416638	2620338	8965458	3051338	9646981	6977157
9.986767	12	5	4	925092.2	2318151	319751.9	2020691	1668149	2472750	1869556	2427663	2688615
9.856867	10	5	5	2731992	16177799	1916454	15686279	2167858	16791570	12771185	17377676	16996368



10.008	8	4	4	307330.2	697914.1	319154.7	771897.2	296646.8	814490	1043384	857586.4	220115.2
22.713	5	3	2	122752.5	540116.7	78117.99	487078.1	294110.2	475308	487365.8	487835.4	613405.6
10.9645	10	5	5	261771.8	982604.4	247632	924145.1	239617.2	1337645	1124294	793032	739453.7
9.845483	10	5	5	7638195	42996403	4030221	41464062	7963929	43043532	37139248	46010497	47366645
11.3027	3	3	0	95359.26	129013.1	60426.34	116688.7	39738.54	174703.7	210680.8	89202.68	70559.99
9.1932	5	2	3	228336.3	378878	298789.9	455005.8	335199.7	663047.3	704556.5	257881.2	268905
10.9645	7	4	3	522157.6	1451825	432974.6	1336744	522139.5	2041519	1306729	1521478	845415.8
10.189	8	4	4	333430.2	1143791	188102.2	1089849	255612.6	1313798	917731.4	1150774	994728.5
9.992233	4	3	1	352625.1	411758.2	191011.4	497392.7	458669.8	418296.1	740899.5	301543.9	298738.6
10.94443	9	4	5	586375.6	684914	454340	588929.6	336070.7	341394	1387564	404790.3	902691.3
10.9645	10	5	5	7560403	35522738	6877119	33813004	7392306	44639701	40263644	30734114	27863427
23.66667	6	3	3	208832.6	2881243	698816.4	2697740	827299	3729944	3236727	2689108	1847167
41.86267	13	3	3	321984.8	3444113	618632.5	3697970	1342124	3631573	2801443	2838562	3697577
11.119	8	5	3	442109.8	2035176	488531.5	1886004	729174	2235190	2547613	1761438	1325469
35.77567	8	5	3	93246.44	471879.6	235672.8	418333.7	211354.6	799787.1	389581.3	160590.1	571098.2
9.8374	6	4	2	921879.1	3119486	1429572	2800373	1230964	4900677	1681841	1615905	3670804
9.445217	14	5	5	10099843	89525835	20160545	82793119	33999785	1.18E+08	82820019	1.03E+08	71542908
9.541433	11	3	5	4401560	21159422	12910411	18031756	13271027	31301597	23482694	271921.1	31954533
32.95083	4	1	3	52336.25	196310.8	70932.71	214253.9	79025.68	257033.1	74487.26	214267.5	231006.7
10.94603	4	1	3	197711.8	428081.1	50731.19	480649.7	297314.5	436400.1	451954.7	494350.9	364421.5
41.5895	5	2	3	318226.7	4489076	764253.6	5073322	3274539	4142395	4331542	4283498	5817925
9.45945	6	4	2	880970.6	3197018	1112108	2861900	1633017	3977246	3182765	1861565	4575510
14.89697	6	3	3	37058.17	208963.7	103069.2	228061.1	41485.61	347587.6	256979.1	70703.86	203279.6
9.175017	4	3	1	868049.6	4427689	4759917	5471464	3941130	1818017	523304.3	640045.4	10341389
10.96997	6	3	3	245494.2	874129.1	354869.6	799271.1	264356.1	1099419	1392166	624729.1	612499.7
9.856867	4	1	3	1117678	2889220	1374564	2542782	1525385	3997431	1762560	4732044	1972393
9.40615	7	4	3	594146.8	1319861	299614.1	1199512	636416	1696896	1498077	1141582	1334258
9.976317	10	5	5	14908195	78186073	14139581	74949908	12973236	84623652	99557959	69639583	63921148
9.856867	10	5	5	1898249	8782006	2617496	8246978	1767689	10067247	10313898	4596418	7892841
9.673333	10	5	5	361422.3	1042532	277367.4	1147517	549014.7	1141702	1111705	837014.9	707437.5
9.4468	10	5	5	768847.9	3193854	1106157	2854430	1669888	3680643	4731781	2289913	1982708
9.45945	6	2	3	1311218	3303150	2191122	3973127	3292400	6116504	3278327	4712226	707836.7
9.559117	13	4	5	1580164	6929591	4998623	5845116	4042528	13131463	6572901	605327.5	10428228
8.967683	11	5	5	1789336	4086205	2915909	4632260	1295639	5551202	7966122	149737.3	3783537
9.928667	5	3	2	980634.4	1387238	804659.1	1214017	637669.9	1593719	107275.3	1679822	2286833

36.06417	10	5	5	806808.9	4026274	2252769	3393498	2995360	7257743	2926807	1524414	3133952
9.842	9	5	4	2089480	5191133	2998480	5984403	3627706	5173052	5555007	1979380	3352371
43.60333	5	1	4	220147.8	2166607	127527.2	2378484	1209966	2217827	2205587	2243699	1939829
9.447733	6	2	4	5838847	12563723	5747564	14934454	12623966	19507751	11012678	6435557	8257557
8.874167	9	5	4	285508.4	856788.1	287445.9	737361	636843.9	612373.5	1280899	1016146	623945.4
9.856867	5	2	3	783312.8	1304408	670146.3	1531959	1160992	1367567	2272458	1404800	1058710
9.960467	5	3	2	509731	832575.7	657616.8	658833.5	794705.9	1193293	1715856	771298.9	0
9.994767	8	5	3	327515.9	806685.2	232243.9	721893.2	441050.9	802626.5	843799.7	651130.5	565730.4
9.912633	10	5	5	19650800	2.08E+08	18886403	2.01E+08	36361497	2.14E+08	2.01E+08	1.89E+08	1.98E+08
9.842	10	5	5	1760825	5524802	1259183	5284314	640999.7	6351658	7057553	4504709	4026972
10.95055	10	5	5	811051.6	3393162	900805.6	3190788	797577.8	4308573	4302731	2671293	2366744
40.17967	6	3	3	418098.1	4494070	786872.6	4667291	663603.5	4170957	5737747	4414237	3591132
9.992233	6	3	3	2063497	2023982	2023827	1592195	1572506	723711.3	417329.4	720643.6	5009346
9.999217	5	3	2	32717274	24673362	33395364	17569342	25751830	1661191	2403247	74745135	867976
9.848417	10	5	5	8056316	33437968	3996530	35245772	9778092	36913825	34008025	36849918	32161705
9.494433	7	3	3	1807329	3560592	2433555	4082346	1919283	1313752	1771794	2336585	6425500
9.933967	4	3	1	1164841	1266676	790811.9	1047373	1034591	2186664	0	1378513	1311291
10.95602	10	5	5	511523.9	1927753	443443.2	2103610	932112.4	2185458	2550613	1472160	1584242
38.856	9	4	2	326558.3	4686340	1960985	4308403	1053140	4645311	3376705	3387436	3953485
9.445217	14	5	5	5971001	27683360	9185098	31120059	18004937	26996063	38699540	35147565	19687981
9.872883	6	3	2	405273.6	1822924	635198.3	2009014	902875.7	2356308	1285166	1326416	2651407
9.328967	6	4	2	1197336	5758269	1264696	6441198	3770826	6141847	4373660	6083328	4682143
9.858833	7	3	4	1823565	5345097	3008786	4758445	1714303	10163635	5688124	4412361	4468364
10.07098	8	4	4	318829.9	890456.5	189291.9	844223	200054.7	636284.3	969397.6	1152552	850468.4
19.9125	7	4	3	122024.9	564398.1	473746.3	678107	484235.9	324780	448864	206567	449316.8
9.3735	6	3	3	417758.7	934155.3	455021.6	793163.3	700658.9	1475258	1315959	889529.1	526104.5
16.68033	7	5	2	56676.52	244539.3	102511.4	219848.9	105600.8	417453.4	198836.1	254546.4	192236
10.9645	10	5	5	401635.7	1428257	458767.7	1334750	311835.1	2081299	1733905	1018704	1111993
39.44567	7	2	3	373398	4220294	638928.1	3720890	2820775	5051594	3951396	4746397	3689192
10.01545	7	4	3	264670.2	454251.3	210247.7	501346.9	185847.3	133300.8	722859.3	461848.3	493917.9
11.27975	6	3	3	383399.7	1185036	656588.3	1346735	706295.8	2309391	822284.4	1118505	1040822
10.9645	10	5	5	794050.5	4110320	1346095	3827355	1010801	5195514	5077845	2399842	2902418
31.7815	8	4	4	1447948	7778426	4496447	6724937	4391374	4419301	7435145	2470350	11691840
9.770733	5	3	2	2519673	3516724	1685315	4056882	2720557	5463521	2301626	2958197	1731946
43.91967	8	5	2	360746.2	4585319	1030484	4821114	957599.9	4057997	3246688	4570773	5977915

9.49445	13	5	5	1142676	10668283	2703243	9415384	6829634	9594247	12440964	14474501	8803102
8.8696	8	5	3	158293.4	492981.4	141163.6	569421.5	423700.4	642676.7	533483.2	568724.2	445336
9.840617	7	4	3	688515.4	2106970	997739.4	1881947	901733.3	1436405	1585077	3061102	3303431
9.365833	6	4	2	584228.9	4167757	2076396	3670828	2125419	6688476	2395621	6152986	2609537
9.856867	10	5	5	1778989	6016542	2173691	5389891	3035511	6296437	6390099	3136949	5140649
31.32017	5	3	2	74328.86	266627.6	79953.88	248203.2	75801.65	270686.5	196774.2	200154	271490.4
10.9645	10	5	5	11518954	59701207	11187539	64174806	23879379	69794040	72649817	50324711	47877329
22.525	9	5	4	178722	540119.1	264528	656201.9	629043.6	308277.9	457478.3	352080.7	961230.2
10.02372	8	5	3	430910.2	760069.9	209970.8	867570	593316.4	661794.6	945878.9	862601.5	892625.5
16.92833	3	0	3	124258.4	818524.6	39591.34	784129.5	195687.5	853731	849053.7	768366.8	783705.8
41.17217	9	4	2	343122.3	4236278	979438.4	4416943	411328.8	3543016	4492283	3223087	5740152
36.079	9	5	4	193089.3	720514.1	530174.3	612830.3	360723.3	1480775	447181.8	151911.1	492104.3
9.541433	10	5	4	540327.4	1595107	512818.9	1399977	1032426	2051331	2084863	1110581	1001960
10.55887	5	3	2	43270.66	121104.4	33936.34	113050.2	34235.52	133900.5	127104.4	77781.52	99981.37
9.983433	8	4	4	2030712	4110706	1085124	4659768	3030089	4762361	2641648	3814089	3825490
9.41815	9	3	4	2181730	17027538	10832560	14746995	8265721	1561310	11187097	19346897	28804178
9.976317	14	5	5	3535261	13635896	2454805	14320064	3267763	17302263	14863461	12865863	11402336
9.498117	7	2	4	1058496	4758771	2454337	3974714	3966574	6834669	5628130	7024006	1750999
30.3085	3	3	0	72996.23	216970.2	82739.7	236824.6	85602.46	337426.8	234001.6	190050.3	215287.7
18.51133	10	5	5	1136057	4281942	1266411	5114311	4693910	4048706	3599783	3577146	6521409
9.43325	6	3	2	897658.8	3931872	2701829	3350332	2197769	6774263	2490494	534198.6	6589306
44.95467	6	3	1	624020.5	3108871	1792403	2750248	1166590	4051392	5235517	2189768	3497347
10.9645	10	5	5	546811.9	2532667	460048.8	2380779	777947.4	2759492	3084327	2224787	1919689
9.8445	9	4	5	1378869	3792501	1509808	3505370	787627.1	4545261	4008411	5711423	1777101
20.548	9	4	5	118031.9	500916.3	126617.9	473091.5	108612.9	310369.2	564799.3	618799.7	435292.1
9.00395	6	2	4	198298.7	743882	357645.8	678880.3	135377.9	1047742	151169.7	797613.7	998328.2
9.929783	10	5	5	1719688	2349621	473005.8	2567083	1190481	3088278	2409790	2212819	2250828
9.392767	9	5	4	808500.3	2002999	370288.8	1854802	794659.3	2568476	2158730	1625488	1793332
9.431017	6	4	2	561062	3257305	1608553	3817197	2912962	4668282	3593312	1930201	1258978
31.1325	7	4	3	73293.73	296670.7	93620.31	321510.3	115864.1	329822.4	328720.4	144204.9	286083.6
9.388617	6	3	3	863722.8	1115751	822945.5	897825.7	1015625	1415742	1657489	0	530600.1
33.38367	10	5	5	365489.3	2272335	888723.2	2081495	721828.3	3564089	2119308	1065833	2374511
9.960467	9	5	4	1386985	2224944	546093.5	2544484	1793234	2551708	2359884	2885917	1643547
9.994767	9	5	4	622627.7	1157072	626099	1322566	771228.5	1549578	1987959	1122128	473019.2
10.9645	9	4	5	294346.7	864083.1	399107	979172.8	562133	1466601	915847.9	756464.5	355766

9.864767	10	5	5	17854302	1.12E+08	8159039	1.1E+08	12631940	1.11E+08	1.18E+08	1.07E+08	1.03E+08
9.848417	5	3	2	1542709	2141302	2258441	1677223	1624459	798027.4	6164805	1188349	1346226
9.992233	5	2	3	818234.3	947139.3	112724.1	1072326	720582.2	1056780	952907.7	1058088	854502
9.932033	9	5	4	714954.7	2219169	707732	2040563	808220.8	2808879	2761943	1351563	1551306
11.70247	6	4	2	190331.3	1078206	382870	998948.5	282345.9	1151507	1305537	782005.5	1545864
26.82483	8	4	4	1219202	9464752	6777438	8050686	5122924	3381497	12040471	1370392	13358650
24.99983	4	3	1	6683621	54793549	12481734	50908382	19631958	54731097	74738976	53022837	40343519
9.419733	9	5	3	467260.9	2262222	1629728	1920213	1253879	5023033	1649112	992344.8	1262864
9.8322	4	3	1	862538.4	2793517	1145190	2555910	852981	2913604	4412931	3246503	1686783
29.53933	10	5	5	5119673	36979936	8679146	34255546	13825953	38552547	40994996	24744119	32857454
17.336	6	3	3	60662.42	219583.1	104770.2	240365.5	67522.77	338306.9	239240.7	166070.6	284294.5
10.9645	10	5	5	2444932	9630992	2753319	9089356	1719638	12674182	7806050	5837405	10808784
18.80533	5	3	2	44831.16	120090.7	45087.26	109635.9	44179.5	83046.24	95419.2	165572.2	83766.16
9.840617	6	3	3	743900.8	2261997	1016155	2484000	872788	3704002	1334975	1638706	1684812
9.986767	13	5	5	831777.1	3899460	652632.7	4088760	933215.9	5023968	3872351	3517515	3406373
9.311883	9	5	4	2935306	18992879	4341612	20947237	10751399	20150762	12448529	17022523	23049077
31.78217	9	5	4	577251.3	3169338	1659312	2762508	1813320	1806772	3168136	1242777	4940819
10.04747	7	4	3	480089.5	902815	426473.9	826693.6	143414.9	1637759	790038	521265.7	774439.5
9.22495	4	3	1	483840	2387175	1367291	2717179	1453342	3674001	767331.7	2062203	3915346
9.983433	10	5	5	674329.3	2081456	560217	1956167	509965.5	2711625	2607810	1941182	1423077
10.9645	10	5	5	1510857	8818194	1158314	9476815	3713434	8881814	10107545	7739361	7563351
9.976317	11	5	5	1480642	6289642	1234538	5944120	1679004	7041756	7733712	6377524	4503745
9.508883	9	3	3	4537572	25237348	23223581	20611665	15387942	52317236	11096196	606352.6	47651609
9.9677	10	5	5	2198278	4492380	436988.2	4301386	1049140	5024310	4477995	4750299	4342853
10.95602	5	3	2	374822.2	876774.2	300075.2	949740.2	324624.8	1146275	1149657	495599.2	961694.7
9.946467	4	1	3	4066535	11109966	3356324	10040140	5491328	11932715	15874179	11930794	8396657
9.986767	7	3	3	2426740	3920259	3936121	3040322	3597236	9663314	688363.1	6348979	978890.3
9.859983	7	3	4	1335964	2352383	897582	2160370	738688.7	2657493	1336625	1853384	2209834
9.3735	4	3	1	674186.8	985584.2	949610.9	753350.3	1039126	1934814	2017138	191912.4	784057.3
9.856867	7	4	3	1023874	1578488	560133.2	1881779	1708189	2193366	2066927	1563038	1186846
9.445217	13	5	5	1197876	9280926	2045929	9957966	3519373	7323666	10837337	11966895	7561864
10.95602	10	5	5	564428.9	1995400	581997.6	2149034	725842	2404412	2793715	1774411	1415566
9.858833	10	5	5	6522375	20168613	4148705	19242971	3781746	15429477	22106146	16838292	20710464
10.31835	7	4	3	413393.9	1706557	575485.3	1517093	983680.8	1843465	2514855	1843121	1322007
9.5812	9	4	3	7425597	20492617	32511566	28462925	35793026	8617642	3810562	7375483	4125703

36.3665	8	4	4	140945.7	698987.9	457094.6	803510.7	440008	901842.5	247014.5	217167.4	1277794
43.0855	5	2	3	396023	5559510	376520.4	6072729	2991166	5739181	4941524	5926371	5506516
39.70483	7	4	2	408273.5	6872069	1932481	6359339	2433892	8612216	7718155	4100317	8286598
18.241	5	4	1	164578.5	520040.8	257913.6	613015.3	495140.5	577525.4	73890.03	605860.8	743920.1
9.872933	7	3	4	615450.7	2366370	632645.7	2601025	1257585	2204534	1751805	3402851	2025418
10.95835	8	3	5	183478.3	486322.8	206807.7	441255.2	179139.9	585026.3	790652.9	450248.4	309462.5
10.9645	11	5	5	1998517	9141549	2354220	8703479	1166917	11407382	5202964	9082374	10106663
9.460217	9	5	3	1255002	4324311	2269899	5116138	4186505	3576458	1316497	3539849	6796579
9.842	9	5	4	1602389	7452030	1373007	7057463	1955105	7098354	7027698	6145939	7198346
10.9645	10	5	5	417964.7	1931220	475409.4	1828637	402854	2393501	2390861	1478230	1410454
9.983433	10	5	5	5405821	11484856	6242284	13042149	7117579	15041647	19788345	11775965	4989108
9.45945	8	5	2	460520.1	2847088	1071663	3105547	1150167	3262737	4140325	3236711	1353453
9.872883	10	5	5	1695420	8682407	3687083	7883130	3165878	3738300	7662395	7361845	11769533
10.2456	4	0	4	167622.6	444060.4	128474.4	410897.3	155399.1	500028.1	628580.2	439002	302854
10.96997	5	3	2	516242.6	1342226	1308846	1585708	654873.7	427547.5	3199668	422515	403485
9.848417	8	5	3	1297724	2193541	762709.7	2365229	714518.1	1594283	2585299	2028576	1453019
11.53673	9	5	4	184991.2	768990.7	255082.8	823294.1	209930.5	1102653	796557.3	481863.5	554470.3
10.9645	7	3	4	454677.8	821367.6	546034.2	718835.4	288652.3	614488.5	1405046	416514.1	267577
23.755	10	5	5	823970.8	5160360	2167772	4614675	2516751	2270816	5091447	5001168	5052223
11.60778	5	3	2	46839.16	106452.9	48774.48	95478.38	45756.39	28039.67	148600	93554.46	120647.1
9.673333	11	5	5	792825.3	3885976	1011867	3620331	1260918	3923485	4289082	3206322	2693800
24.23	10	5	5	1147703	10079147	4434862	8997761	4875395	7041741	12962774	4327866	10727465
9.976317	5	3	2	1688589	1725978	1329950	2041838	1392650	1005439	1238872	858807.8	4069946
10.57323	9	4	5	64702.04	204275.1	96907.48	184717.9	68733.27	318850.9	225230.1	157043.4	65604.94
9.93625	4	1	3	4431541	9861001	7834391	8211514	6293790	20595685	2808794	1517985	12388053
9.864767	10	5	5	10802131	76669229	4982830	78491677	9793262	79569256	72966348	70096405	82199698
9.992233	9	5	4	1152117	4334735	1099520	4105813	858694.6	3507216	4648327	3648544	3738624
9.929783	10	5	4	6144630	19146949	5067072	18072138	4163886	25434225	23709722	16956418	14643862
18.761	6	3	3	263570.6	393632.4	541497.2	506289.1	423011.7	70242.34	276381.3	0	1335934
9.848417	7	4	3	1625826	4883950	1735696	4365912	2627759	3536226	2863815	6817089	4768538
10.008	9	5	4	775187.1	1794083	435112.6	1664630	656108.7	1736792	2175946	2204881	1135665
17.45233	6	3	3	83232.23	365348	177140	412633.6	227785.1	473852.4	605970.7	151623.6	319971
9.976317	14	5	5	4864277	12303469	4619831	13606930	6462490	15678788	17597589	13138821	7754164
9.487467	9	4	4	1689508	3259814	1315956	2798984	2461985	3937705	2780947	4191371	4232575
9.88815	4	3	1	1432037	2980679	1677906	3473753	2492922	4211047	358341.2	2406448	4515276

9.872917	7	4	3	1027327	3283316	1452410	3565748	919094.1	3578330	1800473	4444580	4846315
8.967683	6	3	3	125843.3	480668.8	250841.6	423100.3	247823	583442.1	874169.9	343114.3	340163.9
9.659033	5	1	4	188707	294425.6	71206.4	332028.8	213646.7	378327.5	362522.7	219840.3	250961.5
40.69767	13	4	5	327789.9	4316368	1574895	4688889	1651379	2141935	3608438	4486505	4970764
19.95717	5	2	3	35269.89	110576.9	78473.49	91985.29	82545.39	0	151619.7	144319.1	61609.09
9.586183	5	1	3	435752.7	928275.9	321784.8	1211074	1649899	1111239	537486.6	1371632	853458
9.2033	5	3	2	644963	1434548	697134.3	1223079	1082818	1624741	611826	790502.5	2047073
10.008	8	5	3	290142.4	714225.3	263930.1	774667.4	259994.4	665367.3	1163336	654654	463361.8
9.999217	10	5	5	492326.1	1138511	569981.4	1269972	569744.8	1516162	1818620	1247714	582608.8
9.952017	10	5	5	2854688	8557641	1944774	7998618	2804344	9064490	8577021	5243794	9904950
9.270733	4	1	3	2711599	7853559	624971	8578995	4261940	8691029	8017271	6942453	7804887
13.44873	10	5	5	270701.4	3307427	439712.6	3122154	1027704	3944141	3355030	3054168	2768887
3.559017	6	2	3	358224.9	4026457	2641575	4649731	2765550	0	6296055	6515915	3457059
10.9645	9	5	4	368121.4	922520.6	169550.4	849973.6	403507.7	1133679	697649.8	815225.7	960653.4
9.986767	9	4	5	1298707	3018067	1295535	2726188	1237641	4979772	1522660	3430678	2769163
27.51183	8	4	4	131524.5	474924.3	271907.9	402925.1	347484.4	138614.1	644979.6	444737.9	314778.3
17.045	10	5	5	308680.6	1769780	782075.5	1919522	469983.6	2786303	947583.1	1860378	2214023
9.853633	8	5	3	2452465	8020241	3140785	7416707	1915966	9903617	6671826	3586150	11817781
44.43733	8	5	2	332462	4730418	2873160	4232988	785450.5	4025558	9597620	2087480	4559905
11.00657	9	5	4	397751.1	1238794	183376.7	1356963	683423.9	1166142	1457831	1032713	1132625
9.23175	5	2	3	905138.5	3105101	1310828	3963942	4973948	3959047	1358850	3466331	4558697
9.445217	14	5	5	5958010	27797156	8822036	31102285	18020277	26943535	38303834	35056814	20836087
9.960467	6	3	3	586814.5	1092307	624903.8	929038.1	784144.3	1483293	1983971	832474.1	472515.4
9.329083	3	3	0	478087.8	1481181	767304	1622685	388510.7	930708.4	642436.6	2617512	1495183
9.445217	11	5	4	1172230	5610762	2385353	5003901	2869736	7686878	8040873	5610427	4451529
15.8469	10	5	5	315737.9	1793119	171764.2	1665307	745687.2	2037089	1852379	1709192	1574179
10.95055	10	5	5	301384	1218684	324998.8	1136608	386657.3	1363904	1675458	968750	857822.8
20.26667	10	5	5	62873.47	366064.3	159667.4	394103.4	55498.5	588428.4	259278.6	457450	187225.6
9.311883	9	5	4	503956.7	3037021	1824622	2642157	1607105	1742453	2075359	1918789	3350873
10.9645	10	5	5	703240.9	3239909	747782.9	3078383	656076.5	4059089	3870546	2539875	2419583
24.4	3	3	0	10197482	54707410	54259653	42798709	49380279	23799613	1.41E+08	75367981	16189253
10.25713	9	4	5	553779.9	1605068	581709.6	1761020	762494.7	1711004	2369605	1884563	933970.1
9.864767	10	5	5	7247771	46597115	4222791	45111797	8009975	45339007	40834703	50681916	50852878
9.556217	6	3	3	2979379	8555249	9282357	6969357	2013242	4165815	794999.6	1333550	14678510
25.36167	5	2	3	90081.08	413553.9	160379	379557.9	134664.8	413821.3	689163.4	351648.8	316588.2

24.543	10	5	5	212318.5	979628.9	553383.4	858482.5	501483.8	312901.7	967388.5	1014923	766744.7
9.872917	11	5	5	2931345	11221258	6819886	9946181	3753243	10772472	6955415	6568060	23050597
10.9645	10	5	5	574071.1	2776521	578827.5	2921967	684305.7	3402894	3338192	2401565	2086076
9.162767	7	3	3	652199.4	2403088	937813.3	2755399	1928226	1243554	3777797	2526615	2558555
9.16125	3	3	0	472820.9	1075841	276382	918733	905104.6	768255	1154597	1490817	895571.7
10.98605	7	4	3	435980.1	1224134	104470	1143842	470007	1246732	1316347	1293393	1051774
10.97857	10	5	5	707824.8	4074358	1051125	3792309	1382762	3073709	5676161	3514974	3534532
10.0926	6	4	2	429294.5	951539.4	334840.8	869632.8	378715.8	1061786	1480117	761717.2	827263.3
9.9677	5	3	2	596362.9	956738.7	588801.6	1111910	754015.9	1905089	327559	950883.1	945674.8
10.55813	6	3	3	197716.9	353922.5	42240.43	400522.2	275662.3	370959.4	418908.9	342321.7	316559.3
8.995417	6	3	3	190231	446134.4	350473.8	584195.3	763905.4	493249.6	982838.3	466173.8	239944.9
9.976317	9	4	5	2046202	2620706	914612.6	2435170	686241.1	2322932	3297879	2047559	3824731
9.1172	5	3	2	182064.3	364153.2	153696.3	316575.3	248328.4	317920	496183.5	513979.1	357503.5
10.89125	4	1	3	313012.9	789875.1	428654.7	695563	394948.2	1119847	1364936	477548.4	388154.7
9.960467	10	5	5	4312687	7673085	1481234	8417421	4254101	9811490	7813967	8002979	6947653
10.44525	6	2	4	208078.2	890381.3	209348.3	820209.9	375407.4	940051.5	992670.2	1113293	557303.8
10.95602	4	3	1	173426.4	301451.5	59171.75	323371.7	120042.4	388893.4	304276.2	289336.2	302065.5
10.88747	5	1	4	198894	508741.7	233720.5	454661.5	239341.5	565730.9	684850.7	213614.7	321564.3
9.975217	8	4	4	2182555	6011897	2239021	5534920	1917862	8490038	2551388	5363355	6522386
9.64815	10	5	5	423680.5	1008379	387638.7	932314.5	262769.8	989508.4	1444055	597130.9	657933.8
10.9645	9	5	4	214619.8	959769.5	150283.1	922213.9	176923.5	1029109	1129579	849326.7	760849.5
9.952017	5	2	3	638104.6	912674.1	378838.7	1074860	910494.1	632645.5	1327857	1324032	688037.1
8.88395	9	4	4	1144459	13609626	4678539	15057525	7568074	14584932	7433656	19672462	15558818
9.4925	7	4	3	653101.4	2173068	828262.5	1897505	1474012	2650114	2154654	1624254	1166756
9.845483	7	3	4	1643895	5977782	1795286	5640217	1037132	6519595	3016914	5855811	6705796
11.42482	7	4	3	56155.35	144200.9	64335.95	127895.6	77751.12	220379.3	194006.8	132895.4	58850.23
17.88033	10	5	5	349389.9	1433432	916846.8	1238293	787161.1	1324393	1199146	302179.9	2852165
9.106183	10	5	5	2532884	10206209	2047635	9744145	2002772	11098153	13365403	8501233	8623255
36.56933	10	5	5	2877037	23396792	7743541	21709602	7026758	27807791	19455962	12511541	32612883
9.872933	10	5	5	5365203	46140103	3190861	44919161	6747372	49029683	46565548	41428922	44713817
10.93412	3	0	3	397027.8	579509.1	285929.8	650278.6	332821.1	680491.3	993322.5	339244.1	283855.7
44.39417	11	4	3	451788.8	6550319	2342352	7238557	3546154	9464589	4305204	8460748	4413156
18.96583	10	5	5	104796.4	758394.4	167032.2	726633.8	102133.3	854386.3	879565.8	606066.8	549346.1
10.9645	10	5	5	2697820	11791480	2326507	12526686	3888154	13882946	14561405	10568825	9109342
11.03488	10	5	4	217477.9	627925.2	181458.3	719431.3	526398.3	855351.9	738118	484416.9	411687.1

9.992233	7	3	4	302336	544045.9	321590.4	613282.5	286014.2	777508	850967.3	680170.2	111943.7
9.976317	5	3	2	541685.9	810637.2	335972.1	705007.9	559179.2	748221.9	1368248	520118.8	833470.7
9.43325	5	4	1	526436.9	1267069	361728.7	1152428	608612.5	905993.5	1039182	1113178	1494477
9.447617	10	4	5	8450745	62098065	19870072	52573391	54583327	79124892	28705763	60529031	68716364
44.969	5	4	1	487325.9	6561227	3031034	7066809	259868.5	2161258	5557389	7674027	6983863
9.989483	6	2	4	1854925	7068791	2412342	6321703	3939991	10565022	5416838	5086813	5656546
9.976317	10	5	5	2327436	5520601	1939023	4913035	3218699	6810701	8135468	4861791	3251549
10.9645	8	4	4	611168.3	1822799	631949.3	1964509	617399.3	2484731	2269446	1285667	1033089
10.9645	10	5	5	514618	2277600	598482.4	2155217	470990.3	2820552	2833292	1686477	1604961
9.3919	10	5	3	724103.5	5749228	1269429	5467526	1214888	5320280	6774553	7391355	4564849
9.5021	11	5	5	2254175	16206720	8621435	14002201	10686972	21072653	11019426	8315961	11630968
11.63542	3	0	3	44122.33	87185.15	44290.64	95636.6	27975.85	103323.2	155563.8	41483.31	73634.45
10.008	10	5	5	673957.8	1793649	570079.5	1925776	595474.9	2365160	2441451	1243231	1575432
10.9645	5	2	3	11115044	24504963	23912484	19018115	24508099	2251608	59416431	27373565	31648598
10.31835	7	4	3	234380.2	651511.1	69886.8	685195.6	193774.1	631367.5	756733.9	620342.2	677633.5
9.888767	10	5	5	2246966	7451287	1038366	8003431	3206249	7945076	7327522	5938684	8768554
9.856867	6	3	3	1013977	2334965	836683.9	2100687	1194184	2240040	1446567	3201733	3181855
9.00395	3	0	3	368612.2	548798.4	297933.4	497504.2	97424.88	454008.5	422364.9	439561.6	351018.9
10.9645	11	5	5	592682.4	2645498	333871.5	2546965	513791.4	2863768	2101525	2576716	2743264
10.95602	10	5	5	284889	1472626	314027.2	1398645	339763	1452532	1890592	1161665	1185368
9.245983	7	4	3	524136.6	3228535	1694581	3723601	2572181	2412866	752621	3673285	5121484
9.93625	10	5	5	2854775	10006929	1430963	9443015	3167210	12255543	8516237	9066083	10170051
9.992233	8	4	4	1199313	2841006	1411807	3156177	1377929	4192535	624943.2	3418878	2328514
25.534	5	2	3	196951.6	2597571	1016441	2815817	912094.3	3637578	2329114	2902209	985457.9
11.15248	7	4	3	2446645	2924408	3738136	3804316	4044687	1731380	9567578	885897.4	791699.6
9.311417	8	5	3	468347.3	1043098	445349.8	922741.1	605834.2	1310853	1411753	1250495	315639.6
9.03715	8	3	5	537521.3	1092626	545073.6	992107.9	304335.2	1376614	1876815	668078.7	1000432
10.9645	10	5	5	23041684	78981392	23114882	84808398	28237683	1.04E+08	1.04E+08	66009603	54435524
11.24743	14	5	5	226584.7	1115424	850071.3	943778.5	658089	1224951	502864.6	238209.3	1180563
9.874317	10	5	5	6031466	46301803	10860129	48150028	3181544	56968197	42207799	45968068	30500501
9.9847	8	4	4	786398.4	1975830	993688.7	2150779	423041.1	3197280	2677223	1762699	1599928
9.928667	10	5	5	1977813	6474426	2826825	6967098	1105127	5293420	4789964	3908687	7401240
9.460217	10	4	5	729924.8	3609919	1206046	3345202	1143322	5609942	3542645	2653799	3581223
9.848417	10	5	5	7615343	31676937	3593189	33217935	8800398	35081818	32357797	34256485	30659476
26.12683	10	5	5	3392579	19575047	6393296	18207943	5725708	11771315	19622231	17125572	19960266



10.97857	9	4	5	1423461	4069526	1362594	3749241	1480097	3324714	2032702	4692360	5098325
9.279417	5	2	3	1506692	6768418	5638549	5330929	7041462	786017.7	9706197	13191305	9309740
9.976317	9	5	4	2702062	6576673	2021202	5979300	3139470	8009337	9285470	5602392	4290876
28.19967	5	3	2	20043580	47661621	66139652	61946289	60802576	1.36E+08	168918.6	127297.3	1.02E+08
16.67983	10	5	5	132583.1	666388.9	147637.4	716620.2	275588.5	911755.1	587256.7	531145.3	619670.9
10.43932	4	3	1	152985.4	383440.1	62953.87	398547.9	71178.7	370529.3	443734.6	443947.2	293652.5
10.008	8	5	3	1020787	997184.5	367609.4	1191376	1136860	1075915	1544856	1041485	600506.7
9.77355	4	1	3	1270710	2139649	248065.2	2269212	757900.3	2269598	2321000	2262832	2130744
10.99268	6	3	2	188626.1	804006.3	296571.7	733632.4	329044.3	465336.9	517049.1	932506.1	1138296
40.568	4	3	1	321756.7	3329022	1522700	3629039	1108717	3296093	3444048	3504926	1055736
29.9215	10	5	5	4054759	23929786	6272479	25979482	11146800	17403958	25549343	23585646	19545542
9.845483	9	5	4	1421238	7125051	1597570	6721560	1972476	6798950	6665284	5663174	6632147
29.86267	10	5	5	44439.49	213332.8	65720.07	228493.7	69307.49	217972.7	227126.4	122169.9	194428.8
10.97242	10	5	5	386811	1788451	645453.1	1639355	682875.8	2840804	1379469	1488677	1268204
9.960467	8	4	4	528630.9	1480480	615262.3	1352939	516264.6	1862978	2183270	1341623	556251.8
9.857683	10	5	5	1827539	5866284	1019707	6219215	1949392	6224259	4516192	5108303	6515099
9.68585	5	2	3	360729.2	805973.6	185067.2	884525.3	450231.2	539825.9	1038615	845376.9	875388.9
9.189117	10	5	4	1447888	7749375	3067471	8435596	3057443	11591755	8763442	8943435	3695724
10.0926	5	2	3	338692.3	532518.9	282229.9	472182.3	255722.1	676969.2	326999	560242.5	905692.8
9.94455	12	5	3	1239703	2451870	148690.8	2316541	815383.5	2245335	2509748	2348917	2587041
43.45933	7	1	4	256450.4	2445937	594294.2	2582640	627312.8	2269223	3504715	2178375	2146026
10.02372	6	3	3	957877.8	1383129	1194991	1715025	1714841	396893.2	467694.3	677028.5	2722514
9.946467	7	3	3	7070976	16160239	18549387	12401841	14811052	2044803	36930190	2982619	2827251
42.32317	6	2	3	370533.7	4393059	543494.5	4270877	549681.6	3475547	4425536	4473285	4860144
37.90633	4	0	3	284728	4313424	137318	4667827	2162542	4153609	4357966	4225030	4513610
9.419733	13	5	5	1346234	9489557	2102386	10116791	3336413	8622348	11466555	12013859	7821042
9.859983	15	5	5	772190.3	3694421	1668954	3363379	1258970	755534	4217748	4803138	4619439
9.857683	6	4	2	914629.8	3633475	1508698	3273664	1706717	3138158	3081612	6016578	1969706
10.77167	8	4	4	140970.9	340622.4	109469.6	309870.5	160051.8	479482.9	282409.3	235898.4	268975.8
9.999217	10	5	5	2255366	3009956	1683991	3473327	2391235	3759657	5397284	3052159	1305477
9.952017	9	5	4	3262734	7721896	1953327	6921354	4590619	5622099	6554393	7363825	8353508
42.82667	4	3	1	376415.3	6553276	4476660	5821592	134939.6	13216450	5957841	5778528	7131790
9.960467	8	4	4	385126.8	952191	176645.5	991632.5	176940.9	1112382	823447.2	1169339	780325.5
10.95835	10	5	5	412546.8	1351948	466291.5	1443254	339825	1776891	1784250	1175477	665597.8
9.541433	4	4	0	329755.5	1331023	695231.3	1196665	486762.1	2457809	985054.3	1481875	1074093

10.90802	7	3	4	197899	455540.7	223732.6	405598.9	224254	682502.6	261683.1	186424.2	499864.9
9.3141	5	2	3	466375.8	1691738	238751.7	1945611	1541746	1961587	1902647	1647123	1556149
10.008	6	4	2	771362.1	911106.3	938845.5	742884.1	480113.5	522718.2	766291.9	2562559	378146.2
8.801817	10	5	5	2039474	15961952	3673507	14942894	5286911	16114895	21607335	12692104	12673317
10.9645	10	5	5	443826.9	1919374	474715.2	1823454	379651.5	2379241	2424828	1505389	1408029
9.979667	10	5	5	1214799	4289240	1302413	4014278	1160852	4990859	5338245	4380847	2047681
9.41815	5	2	3	833309.3	3890457	2304293	4451632	2713687	6578136	1611984	1352541	4712631
11.52297	10	5	5	72011272	4.55E+08	58241904	4.72E+08	95823242	5.42E+08	4.86E+08	4.18E+08	4.02E+08
12.64643	10	5	5	430095.8	2492715	610539.4	2318689	914380.4	3239825	3068368	2001481	1991942
44.60983	7	3	2	325055.8	4000005	764680.7	4190362	934593	4307335	3592275	2864310	4728694
8.952283	10	4	5	5013090	37756699	11880204	40290286	10874342	36040366	58404726	29612848	30043395
10.02372	8	5	3	473236.7	828652	173418.5	940243.3	668863.9	705152.8	918817.6	863083.8	1046881
30.18067	10	5	5	6153622	45780201	8862105	42600558	17891594	34952537	46555462	49412727	39976107
11.74397	10	5	5	167530.8	675508.5	276277.2	732192.5	231043.8	1130073	724413.6	570505.7	530508.5
9.999217	12	5	5	1113217	2468348	986658.1	2710575	1182032	2919298	3779850	2666594	1420489
12.6321	10	5	5	6781554	59821233	7123601	57493202	12827505	66737491	67946795	54799013	52193753
40.942	8	3	3	300503	3711375	1866314	4073257	1338741	3220738	6662744	3560619	3626545
39.6185	5	2	3	403194.6	6940367	912358.3	7189250	1288990	6575393	6810990	8526562	6210640
9.392767	12	4	5	2550372	15709938	3528350	14302321	8087676	18654633	10068540	18662889	16105106
9.983433	7	3	4	384948.4	827790.4	253476.7	772602.5	243630.1	1209777	708618.1	798774.5	896246.9
9.859983	10	5	5	5847057	28669790	8227220	26761732	8947198	15543391	30970126	28585502	30024374
9.979667	4	3	1	1260439	965301.6	806097.2	1144467	808460.7	2396783	448444.6	626853.2	711515.2
38.9855	8	3	4	333268.6	5142381	764169.3	4726001	2475879	5043545	4481085	6455395	4788830
40.3955	4	0	3	193531.2	1953359	74410.42	1820912	812794.2	1960325	1845240	1927538	2045840
9.994767	10	5	5	363966.8	1058259	282496.4	977249.4	428906.8	1028518	1476283	1137407	706056.5
9.960467	11	5	4	2844881	5892267	2851833	6394462	1353625	3088385	8806661	7285273	2580662
9.8374	8	5	3	763657.5	2266532	1016251	1977877	1523735	1398849	2079613	1298058	2854463
9.887133	10	5	5	2663869	15223533	2879604	14508909	3525094	14473003	13459091	14312917	20312373
9.245983	5	2	3	1202622	6795144	2778604	7610427	4357577	4610604	8860398	10427137	6153273
10.008	9	5	4	1308132	2596376	627485.9	2786317	1026698	3184578	3044181	2916813	1971983
9.856867	10	5	5	2516771	8156700	823355.3	8740724	3529062	9235999	8347775	8416708	7760033
9.920517	6	2	4	1060990	1723421	88964.59	1568509	951776	1732185	1718506	1832017	1749185
9.856867	10	5	5	3865379	14569095	1192385	14013524	3263327	14596226	12589159	14646117	15484293
9.93625	7	4	3	1754089	4870780	1772659	4443163	2072358	5324094	3163910	5307694	7391687
30.25033	10	5	5	1688045	9985241	1716964	9189304	4673267	8177511	10622339	10399637	8406269

21.595	3	0	3	61317.91	285127.9	33620.24	307739.6	136377.2	310118.4	291014.5	314073.7	230368.4
9.979667	10	5	5	810390.8	1923873	789269.9	1737173	892420.7	2489007	2934746	1820946	1021549
9.559117	4	1	3	211748.1	330416.2	120301.6	365581.9	187982.6	382646.5	386512.1	324538.9	126331.1
16.95717	10	5	5	115524.2	646709	119432.8	606654.6	223136	857760.2	604307	593127.8	613923.7
28.0405	5	0	4	309337.9	2902612	107651.7	3176961	1690191	2849488	2935160	3021684	2961637
36.23767	9	4	5	326036.9	1899430	833476.7	1693401	1016485	3062460	1462946	834688.5	1919010
9.999517	5	3	2	246743.6	426561.2	46387.71	476658	306631.2	388514.7	445989.5	379355.4	494023.9
30.29317	10	5	5	2817680	18462601	3315824	17236640	6978797	18025269	22808401	18080502	13654924
10.9645	10	5	5	290546.8	1602669	502823.4	1494336	476011.7	2231929	1969932	1193605	1043809
9.338567	5	3	2	448741.7	671559.8	714421.4	539629.4	436559	774862.7	0	0	866990.7
34.12083	8	4	4	501951.2	4812990	3658293	4111478	2565754	11073723	4439523	1941862	4142856
10.02372	7	4	3	323688.4	663485.2	184722.2	616224.7	238772.1	661504.5	954401.7	689016.5	535884.6
10.9645	10	5	5	5185494	21042813	6358245	19828585	4423762	27332883	28023043	15076780	15029447
9.45945	7	3	3	4395536	14453164	17889728	10732065	15742288	1587817	1966367	37334309	30387857
9.03715	5	3	2	372739.5	802405.6	475391	719822.5	213753.7	575570.1	980908.5	372200.6	531236.5
9.842	7	5	2	1876835	1665908	527139.2	1955628	1734806	1157409	1949011	1088776	2309738
9.40325	9	5	4	1347895	7571586	4450416	8600079	4867219	10853948	1819648	11767782	3856309
10.9645	7	4	3	442825.6	1398020	445009.6	1512950	585585.3	1750065	1987058	1170691	955024.7
9.63045	12	5	5	5993897	26297775	13278840	21955292	24182241	38066671	28739763	11848172	13150248
9.960467	10	5	5	14944453	35276216	12582558	32017606	16651286	45799264	51020404	29378647	21064839
9.976317	10	5	5	984373.6	2786793	584638.6	2988731	1140551	3152765	3433842	2998453	2074756
12.25165	4	3	1	133310	482466.3	471690.5	568784.3	283370.8	204000.3	1150526	809366.8	88334.85
19.82867	8	5	3	115688.9	430887.9	246555.7	383701.2	174325.5	276290.6	405899.7	252894.3	361664.3
9.9014	7	4	3	1024802	4318772	1617831	3946130	1763707	6405874	4301276	3289009	2296825
9.673333	10	5	5	592371.4	2508597	1100530	2265039	1112490	4136129	2924808	1946821	1215857
10.03947	9	4	5	325940.5	787791.5	186610.3	829768.9	194711.7	628968.7	991018.4	815785.1	937822.8
9.840617	5	2	3	961990.4	1630473	852391.8	1895522	1457973	2520638	920884.4	2167849	2000839
9.311883	6	3	3	832269.7	3792312	1211115	3409716	2115522	4258350	2476474	5608083	3030936
9.983433	10	5	5	1323119	3096857	1158774	2771691	1727621	3745726	4666704	2722835	1606956
9.933967	5	2	3	13080708	40266392	33773436	33075395	31576325	68616432	40312438	79029061	5925647
21.91383	3	0	3	3034840	9260471	1473103	11126112	11520445	7308252	9055281	10176336	8612907
10.008	10	5	5	1871556	5471921	910162.8	5116677	2057870	5050453	6473789	6434082	4792034
9.46265	11	4	5	1587257	12234642	3286118	11358343	4560653	13728752	6362759	13943732	13591258
9.886433	10	5	5	2693879	19046042	1993223	19810958	4422803	16327540	19056919	19192413	18714227
10.008	10	5	5	851927.7	2024715	639526.8	2217543	1053973	2001868	2818710	1305521	1505564

9.94455	10	5	5	1444454	5243248	882479.6	5050156	880433	6547197	5646869	5074731	4613634
9.976317	9	5	4	1893593	5722545	860756	5326767	2351490	6029351	6456759	4320664	5515664
10.93618	6	4	2	285067.3	866957.3	164323.9	783978	497552.8	747472.7	641769.8	971630.2	946539.1
41.93467	3	0	3	356829.2	6384419	182118.8	6590021	1273115	6103632	6390366	6356998	6596211
10.31835	4	3	1	169152.6	634763.6	121819.3	590944.2	251321	656488.2	641470	548076.1	821421.5
27.04183	4	3	0	15668644	65379083	36946955	58348794	26131190	1.25E+08	74296503	45934872	31231205
34.56467	3	0	3	280861.4	1187478	128732.1	1465662	1732852	1409722	1119318	1150069	1174105
11.31645	9	4	5	189264.3	464587.7	268853.1	536404.2	376294.2	935435.7	262917.4	334265.3	386946.2
9.992233	9	5	4	1164126	3243367	867215.7	2933864	1774181	3694951	4453326	2844075	2173920
9.951283	8	4	4	1141680	2322253	918011	2545544	1112447	3439122	3127260	1302923	1991840
9.880683	5	3	2	893520.6	3844674	1775581	4164852	1031091	5715707	5141242	4431549	2102391
28.2445	8	4	4	227479.7	869852.5	1085859	1079877	810804.7	2776562	240289.8	161721.5	482572.9
9.328967	4	1	3	539779	1887174	983533.9	1624843	1376216	2243106	555164.3	2760980	2712794
10.9645	10	5	5	600849.7	1849736	313157.6	1982206	781479.3	2407322	1746112	1697825	1667589
10.9645	10	5	5	872708.6	3556544	719355.7	3773232	1192056	4338562	4281333	3152601	2720775
10.008	9	5	4	834437.1	2753053	605085.5	2592278	842795	2833101	3398981	2707790	1777422
9.960467	10	5	5	6996122	27242160	5382454	26036358	5657050	30882497	34071278	24826632	20238061
10.01477	9	5	4	838496.2	1068267	668279	954318	283549.7	1021791	2226795	824930.7	581502.6
11.52297	10	5	5	892128.7	4072102	970537.3	4301654	1125820	5584466	4190205	3343906	3106544
9.460217	8	5	3	302972.9	1040925	114339.7	1112460	436811.6	979628.8	1043702	1070717	1208960
20.888	10	5	5	103426.3	237221.6	63259.92	260320.6	133426.5	287180.2	295689.7	211033.6	141213.9
10.9645	10	5	5	375231.7	1705328	413468.7	1619480	372186.5	2142678	2119799	1366930	1255680
10.99268	5	3	2	1.61E+09	3.84E+09	5.39E+09	4.98E+09	5.04E+09	11978939	1.14E+10	18073260	7.77E+09
29.84833	10	5	5	11892114	1.13E+08	13758252	1.16E+08	15133883	1.12E+08	1.15E+08	95800572	1.08E+08
9.976317	10	5	5	484658.4	1946151	398256.7	1844936	519822	2020986	2510737	2061344	1646577
16.97183	5	2	3	224848.5	1578511	276306.2	1783255	1260335	1554342	2046122	1355275	1546051
9.40325	9	5	4	1580082	3291407	541683	3002025	1752673	2895933	3679134	2799958	3040591
37.37417	4	3	0	303462.2	4196471	1186366	4388507	240312.6	3036250	4706922	4581181	2943350
9.5415	14	5	5	1789847	12323933	5005423	13219252	2854958	18058326	5686002	16232723	9502742
10.90802	6	3	3	196547.5	490236.4	294940.9	433437.8	219918.1	766623.8	467712.9	136401.5	274828.7
9.94455	5	3	2	917328.2	1396789	548589.7	1214701	1033593	1045882	801273.7	1182581	1919599
9.713983	12	5	5	7831878	21590677	5006183	20462667	5353896	23953856	28393271	21592212	18791375
15.1892	10	5	5	87266.48	499968.4	117906.3	480011.7	48336.81	413859.1	637178	354765.8	590922
38.942	7	2	3	513358.6	7682171	919278.1	7954316	1496345	8265990	7450807	7956360	6203860
9.445217	14	5	5	1366862	10431152	2139180	10929988	2434254	8983159	11266353	13503534	7967298

9.960467	8	4	4	496618.4	1540775	463620.8	1435119	506545.8	2133863	1838021	1493451	1295476
8.93965	10	5	5	1665500	6602947	1448234	6908579	1360068	6842485	8497509	7285267	5589146
12.6321	10	5	5	2036031	15699162	2211197	14987791	4010697	17796185	18299316	13987147	13495009
9.975217	4	1	3	366966.1	383105.3	251641.1	431098.9	182868.8	508764.9	0	341560.3	681445.1
10.91977	5	3	2	290048.9	511014.8	281429.3	455383.4	226649.3	400920	653473.7	267576.5	298074
43.89083	6	3	3	354244.9	5884166	705061.1	5581292	1801043	5800855	6194932	4837741	6770394
10.95055	10	5	5	303947.5	1076055	243364.1	1014490	317575.8	1289946	1335606	853928.1	803993.7
9.762917	5	3	2	2158402	3018795	2197080	2586143	1759044	5454709	1450182	5348665	987101.7
10.9645	10	5	5	399702.1	1406973	580636	1531902	570651.3	2042573	2027742	1112484	996331.3
10.94443	5	2	3	696022	1092199	778436.6	1292240	1041202	533100.4	377999.1	949716.9	1262195
9.93625	6	2	4	1141680	1656064	220967.2	1774390	719826.1	1834552	1839769	1757834	1500611
10.9645	10	5	5	968105.7	1808149	526387.4	2013646	1209213	2075064	2537080	1793456	1427581
10.02372	9	5	4	388393.5	885864.6	390949.1	798705.4	413240.5	771826	1549539	589338.7	621584.3
10.38125	10	5	5	1495356	4873822	843638.4	4610960	1477723	5614106	5923800	4291276	4017198
10.008	10	5	5	762767.1	2451880	666926.5	2293608	788699.1	2480032	3414668	2678441	1671483
10.94538	3	3	0	162343.2	452641.2	85556.43	483286.5	178026.7	344929.2	529020.9	497847	376047.9
9.388617	8	5	3	831339.6	2711747	1249727	2444093	1224534	3065964	1160496	1918838	2962818
14.07785	4	1	3	139305.8	638283.1	220409.1	712969.3	429259.7	697767.5	586435.1	988787.8	435676.1
33.48483	10	5	5	1064764	7897533	2483131	7412705	1961554	11040247	7884522	4171194	8797243
33.29717	10	5	5	161601.6	886407.2	449923.5	789665.2	444770.1	1453185	734070.7	277936	1178640
10.93618	7	4	3	1027599	1238922	1313018	1550588	1556318	851527.8	788179.2	467116	3568882
11.26148	4	3	1	81004.95	253280.4	104236.6	276318.9	108844	393101.5	299295.9	265651.5	185780.5
9.23865	9	5	4	534260.7	807788.6	430704.4	695768.1	590130.4	1373258	477715	512349.6	502971.3
10.9645	10	5	5	3523831	14486685	2187503	15495506	6087081	16655704	17086440	13149768	12746775
9.311417	9	5	4	1381939	1674079	243199.2	1945543	1704764	2063655	1591719	1475097	1747594
9.531467	11	5	5	2874710	13208127	11483962	11348444	2967682	25925969	16708072	21098813	579280.7
10.01477	10	5	5	352779.4	1070838	263918.4	986536.9	479023.9	1067878	1440625	1147357	711819.7
9.830833	10	5	5	984717.8	4812291	602835.3	4679145	630640.6	4305624	4737813	4340820	4883025
10.51392	8	5	3	1141719	11296770	3728945	10393103	4589000	13144456	9129749	8429962	8753669
9.992233	9	5	4	1022288	1950854	648425.6	2166997	1241330	2017468	2934936	1161903	1981641
9.203483	7	4	3	2304505	7890282	11315155	9815721	5152720	28077934	3185313	3907771	2622624
9.245983	9	4	5	1842536	2348411	1736586	2888131	3047902	1898247	5045755	2923385	1305947
9.460217	5	4	1	354355	2147190	1031185	1924619	1033412	3634886	2475064	2277496	1068351
9.392767	12	5	5	1303052	10988182	3343741	10286400	3164418	15802848	8311317	7403049	11224389
9.929783	5	2	3	1738119	2703764	1446798	2410432	1267351	4541294	543938.3	2704417	2490549

9.872883	10	5	5	4724997	16092424	1388207	16603083	2996448	17376371	15532850	17777938	14855173
10.07923	6	3	3	576237.4	552256.3	354463.4	635347	413847.1	747011.9	1051540	227913.4	222793.4
10.008	9	5	4	788359.3	1143964	445577.2	1302448	924487.9	1202626	1850181	928763.2	651652.3
35.4155	4	0	3	297020.3	4748325	168872.2	5104301	2252402	4890239	4472872	4861818	4808225
24.86933	8	4	4	175693.1	1013693	466057.2	1111803	444584.7	923922.7	1727102	420951.1	1000035
24.05683	8	4	4	312487.8	823093.4	170407.1	972116.6	933814.1	851596.1	954111.8	738939.2	995474.3
17.88883	6	3	2	548270	6306744	893948.5	6921044	3820425	7807311	5590326	5673632	6132784
9.830083	5	3	2	1545331	5209645	2603576	4578749	3216892	3740017	2752803	5370773	9521687
9.874317	9	4	5	1579680	6278167	2039293	5823898	2180411	7099698	5164147	7467605	8369562
38.66883	7	1	5	346375.4	3880764	472326.6	4038961	913323.7	3923652	4119078	4240511	4059746
9.983433	10	5	5	850666.3	2627952	534794.9	2443281	1073440	3303714	2459453	1936647	2433495
10.02372	9	5	4	259064.7	891943.4	122971	830381.2	376320.7	860663.6	1083742	876658.3	742053.7
9.960467	10	5	5	14668516	34327608	12713926	31133197	16682813	45130649	50158844	28548366	20133393
9.8322	9	5	4	1576333	6651080	676766.8	6980010	2008176	7100447	7217014	5876769	5946956
31.45167	5	3	2	153916.5	667650	614434.7	792314.1	544428.7	202372.5	1346904	227884.9	226753.8
9.960467	5	3	2	759605.6	1088478	235994.7	1172930	495497.9	1271463	1042581	1350739	749765.4
9.999217	8	3	4	945261.4	3593802	693861.3	3308494	1711303	4280232	3157519	3702149	2643761
9.976317	9	5	4	5175182	14612066	6860733	16141699	7381172	19509412	22991866	15031767	7544978
35.97767	9	5	4	884381.3	3195635	2444541	2749544	1602982	2014771	1946648	811986.2	6959225
9.445217	14	5	5	5934347	28183583	8762661	31301191	18273543	27181762	38825804	35251336	21122205
10.74635	10	5	5	17071474	13986316	19581026	21628330	45513799	10392531	2903718	8033769	324566.7
9.976317	10	5	5	828170.5	2752714	472354.3	2904527	870422.2	2912448	3361753	2932656	2195821
9.328967	6	3	3	544850.2	3323245	1684105	2957037	1729115	2046610	3036730	3808763	5961653
6.828767	5	3	1	928151.1	13765562	7763879	15869317	11415086	11892367	27215347	7095823	11613518
36.928	6	4	1	347018.6	6721326	2170880	6369619	639240.4	6722721	7624902	6738015	3293222
11.31857	8	4	4	10085711	2.16E+08	31163968	2.08E+08	46364610	2.47E+08	2.43E+08	2.02E+08	1.71E+08
44.72483	5	2	3	105608.4	465062.1	139856.5	494950.3	138970.3	309084.7	674916.4	474988.9	495359.8
9.447733	7	3	4	1652046	9556822	6454350	8363563	4446526	15251909	5281643	10284170	16002800
8.918933	7	3	4	387175.7	591835.6	412927.5	681874.3	427080.5	914320.4	1053061	593616.1	367628.1
24.79767	10	5	5	821245.8	5266935	1048874	5011035	1320128	3411901	5950519	5641295	5534541
10.57357	10	5	5	386877.6	1295986	473943.5	1205810	357491.8	1152200	1970500	1542285	1081102
41.949	5	0	4	367637.8	5159159	244636	4748198	2612280	5421165	5054244	5420378	4994760
9.992233	9	5	4	1291338	3878419	1044675	3583007	1633767	3997437	5427635	3416964	2564380
9.379233	7	4	3	751708.9	1629806	841703.4	1480615	496903.2	1015142	995972.1	2835165	1103433
9.999217	5	3	2	274232.8	488823.4	357204.7	553494.6	229668.4	778995.7	715019.6	735519.9	214581.8

10.08538	9	4	4	1510414	2474475	3492283	1897294	1340942	1050149	664729.4	1323522	633294.8
9.848417	9	5	4	802909.6	3309396	1401283	2958531	1839412	4952895	4303231	2578612	1403738
14.10667	9	4	5	107049.2	684883.3	142223.8	623059.7	374511.4	855874	757556.6	673636	470552.7
9.887133	5	3	2	703444.4	2263486	769629	2085642	886965.1	2562834	1246075	3263087	1801978
9.684583	11	5	5	3330692	18397975	3036533	17580546	4437389	17432270	23774361	17520726	16757542
17.372	10	5	5	647278.4	4072632	379245.8	4248568	1073964	4383338	4443837	4192723	3621860
9.352183	10	5	5	1911196	7176489	2606775	6499611	3619119	7760933	11151493	5654165	7091339
9.445217	9	5	4	1467346	7018236	4222843	6228034	3048660	11418706	10295641	8242525	2791839
9.848417	9	5	4	1460336	4456654	1668901	3915755	3124774	4978703	3540226	2134259	5127806
9.912633	10	5	5	5044634	28030971	5165297	29332014	6875361	29868941	27679172	19289060	31171304
10.95055	4	1	3	351385.2	855500.6	206500.1	795569.2	336057.3	992186	1104103	601115.7	698387.9
11	6	3	3	1053345	2568959	2756097	2051490	2028883	5259538	5886825	643218.4	310660.6
10.14543	7	3	4	242281.8	513318.5	147162	572657.8	357751.3	696934.6	462978.8	411957.4	356658.5
9.45945	15	5	5	2E+09	1.69E+10	4.46E+09	1.79E+10	4.18E+09	1.25E+10	1.96E+10	2.34E+10	1.41E+10
9.304717	7	4	3	438900.9	2219282	724553.1	1988196	1334182	1952684	1655841	3448348	1773644
9.960467	10	5	5	3838352	12886832	2165769	13607393	4203800	14224063	15405866	13522389	10379820
10.9645	4	3	1	157588.3	347375.4	149323.7	400714.8	315836	564895.3	439567.3	220850.3	272938.9
8.97505	10	5	5	1421239	4890378	822336.3	4691188	1033701	4824550	5814842	4642588	3691083
9.43325	7	2	4	1876708	11294747	3595387	10291176	5568920	15121148	9445246	11468459	14175605
9.976317	10	5	5	2284308	7392089	2816005	8036034	3217634	9595265	10462957	7963312	4356616
9.640367	10	5	5	1509536	4909714	1609629	4631361	871848.4	4977330	7620070	3658753	3770549
14.9415	6	5	1	1311918	1326877	1530174	1790700	2646804	713273.9	308680.3	1358127	300866.6
9.992233	10	5	5	1934866	4483905	1669000	4024226	2541153	5415745	6307176	3601384	5033791
9.1476	3	0	3	20400284	2.01E+08	13066387	1.8E+08	1.37E+08	2.16E+08	1.95E+08	2.1E+08	2.04E+08
9.224517	7	4	2	392026.9	1712105	1031953	1483383	1118427	602345.2	863107.3	1537017	2774603
30.877	10	5	5	2439320	14792979	6402493	13471435	6030021	7276025	14414405	11650276	16038807
36.56933	10	5	5	708817.5	6068625	1964693	5681647	1663803	7333870	5158877	3243780	8299038
9.338567	7	4	3	712384	1236112	1006101	1067818	455591.7	854810.6	0	1218349	1333155
10.83632	10	5	5	296246.6	917582.4	147952.6	856786.9	369240.8	987776.5	1138127	790023.1	882937.5
9.4873	9	3	4	630036.5	2071801	967313.9	1871229	921911.6	2772189	1069524	1143328	2126302
44.55217	9	4	3	323618.9	4932246	784573.3	4692178	1378090	5288147	3929108	4257769	5572078
9.983433	10	5	5	12882967	54701033	10056810	52202486	13229881	63441059	66695205	52905803	44297645
9.365833	8	5	2	362249.2	1777714	868215.1	1549238	1244564	2029205	763702.5	3045475	1832400
9.673333	6	2	4	261618.1	602226.1	258527.3	560825	76132.95	921113	233783.6	480912.2	670463.2
9.447733	8	4	3	1839288	11235196	6285186	9924621	6085411	14366702	7679823	11923594	2885316

9.992233	7	4	3	3723195	6749913	3768640	7737369	5378298	10831485	1484905	9920717	5307761
9.445217	8	4	4	660185.5	3923831	1409493	3550464	2043347	3704799	5546019	4157438	1713842
9.4468	6	3	2	813919.8	3824604	2488306	3357250	1871675	7127275	5700208	3003884	1940302
9.9014	10	5	5	2619579	6235373	2635066	5760767	1732869	9784618	2964943	6499735	7423927
9.856867	10	5	5	79325896	5.07E+08	27171164	4.98E+08	53879673	5.45E+08	5.18E+08	4.85E+08	4.77E+08
36.33867	10	5	5	3045890	25510821	8808403	23723563	8058827	32214843	20851228	12917053	34622733
26.43333	5	3	2	154965.3	822476.7	208248.6	864265.4	185820.1	1111360	526613.4	789858.8	860070.8
10.95602	4	3	1	496330.5	1296644	416713.5	1217926	319212.6	1649694	824490.3	1199492	1008410
9.912633	8	5	3	4094687	8318860	4734171	7291795	4975372	11395341	1745792	5855825	8734061
9.82645	4	3	1	735237.1	1668703	647722.9	1906236	1424821	2034848	728942.4	2180299	2145422
13.69757	9	5	4	131222.7	687731.5	109739.2	746039.7	364573.3	823075.9	791019.7	602956.7	601822
44.9835	6	2	3	406390.2	7183018	1954412	7579143	1787778	5214194	8724862	8602782	8491733
9.37735	6	3	3	1795666	13149776	8693977	11299212	8813798	7652021	5509221	7595176	20474905
9.932	8	3	4	5222579	9074855	1775875	8741172	1343318	9352709	6597784	8577659	9300715
18.64583	10	5	5	679888.1	4259069	893803.8	4060240	985725.3	5483638	4496119	3371564	3385791
8.931783	4	1	3	159578	188922.8	156483.4	220948.7	146629.4	184544.2	456983.9	95975.26	141356.1
9.77345	8	4	4	1561899	2721880	1207665	3082315	2068037	1592514	4482621	2624852	3262780
9.992233	9	5	4	790190.4	1356880	607807.9	1521001	909966.5	1618721	2281769	1191561	797322.7
9.338567	5	2	3	1603007	1862305	1398619	2143816	1265662	2124708	251581.8	573055.2	3079328
20.25967	10	5	5	435583.4	2671436	542263.1	2564460	468758.2	3130499	3285913	2034105	2245309
9.01065	7	4	3	183522.9	421877.6	277299.8	368653	224377.7	585429.2	718675.2	486373.9	318909.8
10.90553	3	0	3	239711.2	494222.1	249141.6	541057.8	190603.9	380043.8	901976	305644.5	323586.4
19.57633	7	5	2	104086.8	278347.1	111069.9	260244.8	43655.61	304935.9	379756.5	260383.5	96880.69
9.858833	10	5	5	2254255	7591971	887428	8277633	4386626	7304050	7215167	7402336	9142607
12.74955	7	3	4	86373.33	251164.8	88756.85	282163.6	185422.4	294802	354314	135735.1	184734.6
9.43325	8	4	4	945699.1	4590023	1828048	5389363	4940292	4055626	4002953	4025990	7777791
10.98605	8	4	3	463097	1496836	752566.6	1689243	1046481	1443237	751659.2	2497999	810639.9
11.5253	6	3	3	73703.32	241488.9	70895.92	225299.6	82470.25	297127.3	276581.5	129750	212803.9
9.960467	9	5	4	1591832	5675318	963034.3	5523758	238537.7	6652396	6434413	4827714	4501094
9.976317	10	5	5	1041058	2631864	980863.2	2847803	1071557	3164142	3881643	2802547	1471956
10.16418	7	4	2	1457892	1800483	2549557	2272335	1878622	6347148	560534.2	557586.9	1010299
7.1216	10	5	5	3785743	1.13E+08	23709650	1.06E+08	35474400	1.17E+08	1.39E+08	90439174	86131087
9.886083	6	4	1	1486791	2115557	535299.3	1949709	967629.5	2623823	1204576	2292757	2204514
12.26695	10	5	5	254078.4	1338568	261740.6	1404809	359363.7	1515725	1652946	1266326	969717
26.03767	9	5	4	229413.6	2388973	1463831	2111065	1160414	1210652	3524594	618332.2	2549366



9.960817	10	5	5	14356172	38922988	15043843	35816108	14540247	51319802	57457731	35984104	22974830
9.9677	10	5	5	9737165	27815178	9153553	25776956	10222977	35741288	38162932	27397231	17205058
10.95835	10	5	5	997662.3	3908387	1325272	3686203	653112.7	5215301	5061016	2567430	2464498
10.95055	10	5	5	372855.8	1879555	650790.4	1758461	489317.8	2639827	1759279	1224594	1307148
9.37735	5	3	2	5572806	12819732	13679406	16255479	18605547	3179107	24709984	30533140	3599356
10.95602	10	5	5	284202.7	1082736	250513.5	1019040	347133	1186125	1427423	803436.5	877354.3
9.960467	5	2	3	957123.7	1365490	847530.7	1203442	688049.2	2279948	0	1778636	1407118
28.73467	8	5	3	401226.4	1954292	478277.1	1802418	894073.4	1680091	2193962	1290142	2083182
9.089733	10	5	5	2990197	20789862	10849299	18747149	8460111	14840676	38367334	22850527	17722207
17.32833	10	5	5	1129615	6480315	2858105	5845837	3186947	7685180	2141704	9436100	7919724
30.29317	10	5	5	2691021	16893478	3447516	15786172	6539810	17294721	22008044	15904529	12394266
9.1172	5	3	2	1303240	5246431	2905853	4546832	3711627	7052189	7457003	7579401	2192133
9.45945	11	5	4	3594299	19834878	11991486	22444869	12913363	19904743	5119248	11349557	34491054
10.01477	5	2	3	709381.4	1150305	693212.2	1290330	643680.9	1725382	2031756	877280.1	417802.4
41.48883	6	3	3	431992.3	4275184	945722	4469486	910622.4	5308478	4812746	3028267	3559310
20.67717	5	3	2	197458.5	894777.8	514403.3	804691.5	317656.2	299596	1278198	432639.5	990327
9.983433	10	5	5	37840108	1.55E+08	27600756	1.47E+08	46340352	1.82E+08	1.84E+08	1.49E+08	1.26E+08
10.9645	6	3	3	656357.7	1698369	736569.8	1569607	451838.6	2485024	1468340	2097941	556347.8
18.6585	9	5	4	56153.68	190030.4	76905	175634.3	59340.51	292935.9	230742.7	99647.91	133209.3
20.05633	8	5	3	614520.3	3345480	591401.3	3089123	1593722	4047700	2639831	2829293	3548192
10.95602	9	5	4	307358.4	1400800	502803.3	1309420	355759	1851148	1695890	909485.2	800623.8
9.964417	6	3	3	841675.3	991371	379841.3	1146321	957113.3	1048895	941807.9	1462657	1094094
9.859983	7	3	4	2321092	8434560	2199520	9214561	4718967	10869736	4983546	8460819	9644067
9.616167	10	5	5	977285.8	2833076	931337.1	2619525	1105285	2412910	3006382	2293788	4380085
9.45945	14	5	5	1838240	11391021	4144347	12841626	8762512	16940633	13405155	11992445	7583035
9.999217	6	3	3	5081681	5322079	5985943	4140850	5313161	1049809	1238584	867415.5	13530243
42.84083	7	2	4	404799.6	5595540	820810.3	5907356	1911013	6174708	4911622	5006108	6749899
9.345767	5	2	3	605662.1	3509987	2223532	3052252	2165492	5196466	5750044	1590666	4269339
10.49953	10	5	5	488052.2	1561938	532251.6	1459526	444965.4	1726120	2242605	1799646	1005937
31.811	4	1	3	260262.5	622077.8	425581.8	523582	513883.5	322360.9	664731.8	77899.07	934084.3
9.43325	6	3	3	11937659	30126496	30963617	24172622	25854746	12985799	2717897	64955821	62641739
39.77667	4	1	3	338108.4	5047981	1052975	5489957	2746300	5339436	5282426	5736942	3199079
10.95835	7	4	3	356622.2	894430.2	372876.7	990865.1	534165	832855.2	1430249	1014764	404770.4
34.10983	5	3	2	235777.4	2004632	910767.4	1799772	1049269	3259106	1935050	905397.8	2475347
9.445217	11	4	4	3102023	6269157	11015745	4386776	6245859	1249441	874420.8	2167579	25955071

9.933967	4	1	3	946784.1	2680418	1012822	3013767	1993745	3533085	2021718	3730087	1328126
30.296	10	5	5	1033695	6095504	1257811	5722110	2176196	6263125	7884670	6023765	4341410
10.03947	9	5	4	601347.8	898306	175930.2	939975.4	220967.5	691009.5	1016190	826986.8	822253.4
9.999217	10	5	5	1684659	2527335	1254924	2887094	2075054	2657080	4625332	1456295	1768979
10.99687	7	4	3	353820.4	2216220	905861.2	2376225	588868.7	2656989	3151961	1546424	992777.1
9.880683	6	3	2	1078299	4087868	1430251	4352071	1077284	3094029	4694717	3650556	6274211
9.999217	8	4	4	866568.1	1032059	645299	1201073	944321.8	1415047	1898404	1021116	385585
9.311417	9	5	3	2333451	6561013	3214145	5841278	3686065	9378945	8400064	8872254	2640926
10.00998	7	3	3	931984.8	2662473	1646932	2407848	341142.9	2835592	5291876	2175195	2207769
19.75767	9	5	4	153118.4	352017.9	113547.8	328581.6	111827.2	391019.6	393495.9	210914.5	267040.8
10.95835	10	5	5	323732.4	1119096	574286.8	1017338	379736.6	1922508	1296686	674188.2	463382.4
9.960467	5	3	2	771060.4	1367429	951352.3	1151383	1118642	1837117	2746989	1194716	354120.7
9.933967	6	3	1	3681082	11291295	8557166	12720660	4376402	22056565	2760120	18753627	5567978
9.887133	10	5	5	35969268	2E+08	14160309	2.06E+08	37125617	1.99E+08	1.82E+08	2.16E+08	2.11E+08
9.382183	8	3	4	473722.9	3640020	946975	4040423	2499376	4584412	2381304	4336077	2923108
36.151	6	3	3	148999.2	605840.1	232858.5	550908.3	291751.8	773849.8	227844.1	531886.8	746357.8
44.03467	5	1	3	321247.7	3590848	398847.8	3908864	2065005	3660541	3045261	4149982	3455151
9.205717	5	4	1	362524.6	1028380	773690.7	895413.4	457033.6	796306.4	185573.9	859495.2	2293773
9.447733	7	3	3	659894.8	7331787	1655624	7888625	3361007	9018942	7366696	6612938	8713885
10.94443	3	0	3	281319.2	476149.3	250707.1	542753.4	375750.1	653762.4	791510.8	393360.1	149737.2
10.2973	11	5	3	432919.9	814189.3	336367	737620.2	398647.7	1076829	1255894	658564.8	456995.6
9.392767	4	3	1	472321.3	514315.7	423815.9	399201.9	655672.4	777007.7	898160.9	0	109919.9
10.97857	5	3	2	1767675	4057874	1809242	3706632	1569869	6625426	5186285	3191613	2156314
40.7655	7	4	2	301995.6	3928606	1326552	3724576	261483.6	2980217	3756406	6176381	3824414
9.43325	5	3	2	1170371	6722648	2356415	6028506	4064812	4821870	7264852	9328809	8415482
10.008	9	5	4	576436.2	969849	410204.7	1072725	567335.7	877259.5	1684275	864796.1	642443.5
9.175017	7	4	3	3653568	13120110	11526971	15735656	13623111	6508138	3116707	14186015	32420225
43.35883	5	1	4	295643.5	4254764	364300.5	4091551	1029879	4069606	4304225	3786173	4771349
9.842	9	5	4	1143728	3066576	1119007	2795696	1469052	3267378	3521339	1713320	2256353
10.02372	10	5	4	295228.6	869599.5	328202.2	817417.9	120291.7	496284.9	1029735	662650.1	820070.4
42.3805	5	3	2	352721	5981677	1623143	5731957	338912.8	5587068	8763735	4819010	5889365
31.36383	4	3	1	399781	2030333	1107710	1796073	1158646	1170319	2084881	685352.1	2956733
9.18195	8	4	4	3512427	22027564	16120933	19290295	9210274	16991585	3264009	12668648	42126386
9.94455	4	3	1	1162379	1538353	251451.9	1653628	730113.5	1408693	1871519	1524592	1674685
10.49953	5	3	2	127065.3	411012.4	67927.86	429426	105297.7	391420.1	452302	440046.7	470021.5

9.960817	9	5	4	1036433	3768067	953960	3487111	1652425	2844241	5050638	3572358	2948265
24.609	6	4	2	396829.3	3857237	963403	3694739	536214.4	5006347	4799484	3057418	3087869
9.856867	10	5	5	1466230	6262878	1031948	5924414	2046046	6450127	5224513	5157273	7171736
13.7122	10	5	5	1421678	9950330	1966808	10647564	4282401	12194063	11455269	8785015	7339689
10.94443	4	1	3	269298.2	943424.6	130572.9	1052628	714951.6	1076182	1084638	809160.9	835851.5
9.93625	10	5	5	3647197	13609199	1993093	13167964	2275224	16964177	13816709	12755946	11944154
32.46033	10	5	5	9657763	79670918	17894188	76501662	12181955	63363449	73889159	72028385	79027955
18.02583	8	3	5	6688226	35634051	5852687	34150893	8285694	43428230	38206426	32495529	27916566
10.95835	9	4	5	367066.8	810100.9	664179.1	936104.1	553588.9	375073.5	759043.3	621258.4	338474.3
9.952017	10	5	5	1751553	4609201	1601091	4227542	2069106	5846941	6676191	3979838	2784370
10.95602	10	5	5	259315.8	1060042	225824.5	1001381	331664	1202670	1373949	845170.3	869437.4
31.78217	9	5	4	251777.1	1144820	783665.7	997687.4	636799.7	594708.6	1115094	174315.3	1851563
10.95835	4	1	3	1003335	2693068	779889.4	2447782	1474301	3572153	1603255	3085610	2213696
9.976317	10	5	5	1726128	3739632	1804867	4135534	2037608	5350102	5805005	3356560	1544205
9.842	7	3	4	1722782	5447878	2991927	4987196	755939.9	6385109	2280863	3693638	10074709
9.976317	10	5	5	4016404	11488739	3775863	10661445	4257153	14508216	15861252	11511951	6975128
44.9835	6	1	5	230269.7	1100881	162110.3	1140388	217319	1268148	1076615	1191830	840878.5
37.74817	4	3	1	376187.8	5361568	898572	5205312	579494.2	5561118	4347010	6769368	5103751
9.992233	9	5	4	514533.7	1429293	560388.7	1274358	899318.7	1517070	2268719	1069028	789943.9
44.71033	6	3	3	166739.2	937795.3	216371.1	876045.5	362221.8	853206	1157446	1158535	660293.1
9.365833	5	3	2	1478469	9009620	7133872	7718481	5262376	19556988	4935172	5917083	1822013
9.975217	4	1	3	611997.3	791442.9	348177.7	718422	363326.6	356611	929731.9	1130255	486564.4
44.77217	5	1	4	308984.2	2839218	279503.1	3091821	1665136	2439781	2884546	3041974	2693173
9.43325	12	5	4	1104453	9695254	2496555	9186350	2464600	12765102	10415016	10950924	6587383
25.291	7	4	3	323731.5	2144969	1419921	1886216	1072017	1077348	2945699	254815.9	2784954
9.856867	10	5	5	1001128	3450904	807082.6	3280974	849193.8	3946863	3669953	2643129	2587681
30.23817	10	5	5	416823.3	3270949	808087.5	3059694	1203526	3733784	4179686	3115765	2027098
10.9645	10	5	5	2645722	11765022	2180992	12419664	3906391	13859173	14262133	10615823	9281982
9.960467	7	3	3	7346317	14223871	14914212	11536114	10926167	3876112	3507496	22503914	36702283
9.0511	4	3	1	908883.4	1411447	685587.9	1237736	977492.6	1408490	1195004	2576194	816731
9.976317	9	5	4	746784.4	1054219	457660.2	1155001	523194.6	1320679	1689220	861018.8	505871.7
9.106183	6	3	3	771310.7	2014276	2208332	1644622	1229832	524483.4	714068.4	1323486	1626086
15.5851	9	5	4	140532.1	929530.5	296026.8	1011334	476492.6	1161436	1134252	738516.2	499977.4
9.992233	10	5	5	671086.9	1861644	823661.7	2044601	956658.8	2072272	3098653	1912741	1030414
9.93625	12	5	5	1454114	4050616	2094630	3668258	1597309	2603930	2286066	3154898	4857595

9.983433	10	5	5	5332345	13439203	4592669	12211730	7070221	15723875	19814192	12243204	7559504
10.97857	7	4	3	1170414	2626395	578614.8	2420257	1278422	3038842	2775631	2944511	1612660
10.9645	9	4	4	370259.5	1178789	495026.8	1088185	381482.7	1116440	1847885	881776.1	580952.1
9.3919	4	1	3	4576291	20494458	9056826	16809660	23306115	27024017	19677237	21799741	5617400
9.992233	9	5	4	621023.8	1979953	313221.1	1912147	348846.3	2310638	2130725	2114555	1509962
10.95602	7	4	3	200726.3	620319.8	220565.5	569581.9	272638.8	852913.2	870711.9	461678.2	454020.1
28.142	8	4	4	42627.7	213302.9	90081.56	234003.9	111191.4	283812.7	155338.7	237078.2	88132.05
9.992233	7	4	3	777937.1	1244714	593999.9	1371277	644197.1	1641942	1979101	1239637	881016.2
9.388367	8	4	4	771174.9	1671884	952998.7	1442655	1264649	2308034	2754367	1477683	1564156
9.842	6	2	4	1393065	2639970	1179436	2448576	567087.2	3334807	2896658	4093768	1505401
9.976317	10	5	5	4123943	11062282	4133266	10138478	4888094	14309128	16274155	10316281	6799470
44.006	14	3	4	439249	5130958	1185586	4727234	2498430	6323700	4783260	4272197	6430364
10.58813	10	5	5	1028925	4077291	854153.6	3903069	857216.8	5338057	4576485	3364613	3445766
3.710683	11	4	5	1460392	29651497	21552364	33723152	18284546	0	50459508	51016771	21049609
13.7122	10	5	5	498803.4	3770270	692223.2	4013668	1516173	4529499	4307105	3409327	2810488
10.72028	9	4	5	282831.6	940894.3	371741.9	873933.5	278007.5	792604.1	1537460	1008714	819063.1
9.992233	10	5	5	933847.6	5080616	1239535	5288480	719758.4	6711391	4466633	5089317	3431318
9.964417	9	5	4	894084.6	1849786	537063.8	1751187	424667.7	2641007	1980715	1854935	1185376
10.99152	5	3	2	1104932	1426625	420578.5	1644739	1420529	1291719	1830631	1044519	1915411
9.9677	10	5	5	9674362	27997505	9045537	26049715	10088869	35672992	38273703	27771439	17457841
9.9677	10	5	5	9670617	27770423	9080902	25805694	10218801	35690815	37938377	27503576	17301287
9.951283	10	5	5	1875306	5757021	2236449	5337419	1874686	4348064	5456682	3164722	6917978
9.976317	10	5	5	1902789	6148526	2329247	6644557	2551307	7873151	8695555	6749925	3662652
9.933967	9	5	4	1160426	3496696	562969.2	3266054	1472570	3712876	4390455	3212238	3100882
9.845483	7	4	3	676497.7	2326183	1061302	2049926	1593796	1908897	829577.4	2223142	3487721
9.960467	10	5	5	7115923	27122509	5364366	25996464	5724883	30770200	33936439	24883364	20134461
9.994767	9	5	4	598405.9	1345314	621223.7	1231272	494038	2089212	1939675	1057676	785420.9
9.8322	5	3	2	802151.7	1559717	395180.3	1828918	1782131	1685441	1387140	1098758	1468905
10.008	10	5	5	1088378	2259217	741246.1	2052644	1223163	2666041	3209313	2336344	1323786
9.445217	14	5	5	1.74E+08	1.45E+09	3.72E+08	1.38E+09	3.63E+08	1.28E+09	1.83E+09	1.87E+09	1.2E+09
9.4873	5	3	2	1414031	1979985	663015.7	2232580	1600841	1991898	1423586	1218633	2723385
10.97857	6	5	1	400330.3	888978.9	260502	962152.7	435248.3	1092633	1220725	584138.4	759424.5
9.392767	8	3	5	395718.9	1334751	885052.5	1165291	786014.5	2765373	994647.3	444599.7	953072.5
24.39	4	3	1	108073.9	483594.4	246746.6	435278.1	230418.2	283477	492116.7	354471.8	383844.2
10.98385	6	3	3	325806.1	1118820	517218.5	1001625	633615	530664.1	1473072	675606.3	1163309

9.9677	10	5	5	2116152	5470305	1968371	4982221	2771408	7001018	7972844	4689693	3139369
33.48467	5	4	1	201086	1310468	434880.4	1231188	341845.8	1920056	1146840	739693	1483642
9.445217	14	5	5	4521765	40294531	9965663	42270163	9564951	35779048	49584730	52433644	32123514
9.03715	10	5	5	11517615	96414040	38193137	88852794	36557973	77519725	1.57E+08	1.1E+08	71860005
24.54817	8	4	4	266057.9	1127513	489215.3	1257308	758379.2	1499076	457546	1201066	827795.4
9.6501	15	5	5	4584873	40874517	10099919	42835739	9275671	36284554	50223860	53236683	32595417
35.77867	9	5	4	284093.8	1188864	772295.2	1006264	1013485	2353534	905097.9	321136.3	869432.6
9.920517	10	5	5	2770924	5862233	1095940	5610418	1375821	7724287	5416400	5787160	5533240
42.20817	6	4	2	271568.3	4077481	531777.6	4198769	659745.8	3734177	3710687	3672329	4419794
10.008	9	5	4	631181.7	960831.8	427932.8	1076561	681800.7	1038981	1629925	958895.5	610178.6
11.05325	4	3	1	130685.7	399417.1	108310.4	378880.7	94431.79	579624.7	343339.7	309302	418505.8
10.18005	8	5	3	435732.3	1220027	163344.5	1144698	490045.5	1150749	1493654	1237499	1141884
10.97857	11	5	5	227845.2	1009654	344754.7	1090352	446865.8	460741.1	1355014	1020646	971426.7
10.28787	6	2	4	459195.8	2087052	849194.9	2317947	1365690	1067657	2850252	1329868	2890469
10.6411	6	3	3	182636.7	448409.2	161898.3	418395.2	134086.4	398359.7	718412	439854.4	401954.6
20.73633	5	2	3	64496.27	268537.8	172970.9	300654.8	143829.2	369689.8	430266.5	95228.31	380660.1
9.4468	7	3	3	15683261	41435931	55362248	31553413	41390122	1.12E+08	1873476	90624215	1723460
10.01545	4	3	1	308526.2	502982.9	300224.4	445234.1	271720.8	1024270	427646	248413.5	405972.1
10.82193	6	3	3	218506.3	412700.1	152160.2	386487.6	102072.7	318463.4	597883.7	342982.8	253170.1
9.9677	10	5	5	14759232	34850257	13591084	31772674	16773397	46207940	52289354	26842756	20882518
10.9645	10	5	5	3266773	15910836	2702887	15316701	3176845	18878306	18765816	13569001	13568833
9.857683	10	5	5	1926637	8322811	1306155	8629460	1707337	8025901	6426741	9779517	9302455
41.949	4	1	3	377239.6	6980075	1432232	6519278	2860395	6130921	6490284	6279814	9528509
9.886433	10	5	5	5882134	28298075	7640562	26600391	9157617	23921317	30926915	18210722	29993481
9.445217	14	5	5	2460882	16352412	5888350	17801924	8279801	15673903	25113188	18682734	12104671
17.61267	7	3	4	500632.5	1960633	1306477	1748788	682790.1	1460812	4269561	1199943	1679661
9.848417	5	2	3	912497.3	3151802	1449339	2826027	1772312	3096158	1170559	3681422	5141860
9.1932	7	4	3	725268.9	2087065	965476.9	1846477	1383020	2173259	3455217	2240918	1798952
10.05535	7	3	3	842219.3	1513787	845334.6	1333183	949365.3	593264.9	666836.9	1723229	2158478
10.98385	5	3	1	559483.6	1064764	870914.1	1215898	604945.2	2388806	591788.6	336300.3	1512872
9.8322	5	5	0	927409.6	1642182	181740.9	1895335	1718410	1678378	1376806	1612114	1658059
12.73317	10	5	5	469721.7	2415099	1040267	2183303	1258823	832385	2084793	2651410	2897771
9.3494	4	3	1	453063.7	2065892	569103.9	1896023	1040940	2398122	2584416	1490407	2451326
43.9995	10	3	4	296320.1	5097991	1491011	5446095	1944428	5682903	5598104	5805923	5961017
10.95055	10	5	5	782722.3	3445716	1391732	3753314	1662681	5189999	4590935	2621344	1873869

10.38337	6	3	3	186823.4	307305	112253.5	331753.7	130902.4	320959.5	137187	452847.6	316918.4
40.52533	5	2	3	364399.7	3574472	322654.2	3365195	1400368	3976108	3805679	3558278	3341199
10.02372	10	5	5	367058.5	852331.6	107750.7	814809.7	237706.6	715560.8	912385.2	993374.5	853078.9
9.992233	11	5	5	798249.4	2729169	1333387	2451554	1437105	2566100	2136341	2496524	4982832
10.58257	8	5	3	153589.4	553253.7	199133.2	523113.8	59783.22	415934.3	811154.2	726060.9	419712.9
9.992233	9	5	4	356198	779852.9	171307.1	824246.2	260808.9	912184.9	529122.6	930403.8	846916.8
10.95055	10	5	5	424455	2431169	890489.2	2272587	675932.1	3438714	3177057	1780179	1346604
9.36565	5	3	2	521341.8	896850	615133.1	774531.8	607607	1006213	142692.1	472600.3	1130187
20.24783	10	5	5	1799625	14049971	1968635	13676390	1758782	15951844	16173527	12053338	12219809
9.983467	11	5	5	2663234	4411708	2016658	4726049	840939.7	6262285	5054564	960554.5	4716397
9.979667	6	3	2	1547464	3472016	2951083	3961105	1750459	7272180	3543012	5373948	817431.5
9.659033	10	5	5	4373901	11483116	1498039	12366685	5898437	12702876	11520995	9376147	10748637
10.01477	5	1	4	2909825	3291585	1878848	3640848	1600220	3977482	0	3553706	4448588
9.4468	9	5	3	5828677	19853091	1595997	18767645	7294140	19739394	20331347	21686910	20197481
9.295167	3	0	3	351197.7	894245.1	349564.2	1022934	824657.2	583800.1	891195.6	1265172	509748.7
19.4465	10	5	5	5620057	96539474	39949394	85796138	64119390	75775847	1.37E+08	1.43E+08	61634773
11.34627	4	0	4	10865831	1.82E+08	24450338	1.94E+08	77695522	1.69E+08	2.24E+08	1.85E+08	1.67E+08
8.978067	5	2	3	45252436	1.3E+08	1.58E+08	97118046	1.7E+08	2.89E+08	1170577	3.14E+08	360313.2
9.26025	12	5	5	14632727	74081018	20621546	69606318	24092723	79288829	98408096	85337796	61539149
9.43325	8	5	3	542813.7	3077293	1525470	2803000	1203430	4550750	4727619	2891750	1784996
10.95055	10	5	5	2332126	12484583	2921206	11941454	2512218	14828635	15971076	10167624	9155749
10.98385	8	4	4	249123.9	744767.2	393763	677252.9	269710.5	839064.7	680728.2	388365.9	445779.3
9.856867	10	5	5	1405913	6117525	1029257	5872300	1399302	7377418	7101901	5334458	5401073
15.38067	10	5	5	146137.5	928669	302700.6	876262.2	214978.3	1172061	1273913	798342	517760.1
31.78217	6	3	3	116897.1	324662.8	231682.9	375202.3	274478.4	150221.1	380382.9	61172.02	654878
9.848417	10	5	5	812107.6	3915742	719594.9	3740555	1011998	4026756	4506537	3800364	2749417
9.999217	8	4	4	925055.9	1092325	814821	938238.4	732926.6	888822	1005057	2500239	549264.4
11.83155	6	3	1	419076.8	3856110	918896.8	4265995	2703162	3612810	5012143	2558950	3712642
9.8322	6	4	2	1922433	3687353	4469098	4494871	3602851	1822891	1720712	11680279	1616726
9.445217	14	5	5	1.74E+08	1.46E+09	3.75E+08	1.38E+09	3.65E+08	1.28E+09	1.84E+09	1.88E+09	1.2E+09
10.9645	10	5	5	2445508	10215497	2520122	9752498	2123302	12433869	13079166	8224641	7339292
9.202433	8	4	4	1719372	5625998	3270022	6612740	6140487	4026810	10973243	6352719	4124062
9.9677	11	5	5	1403328	3851421	1322373	3549100	1695476	4908300	5452372	3525159	2190616
10.9645	10	5	5	398727.6	1132935	361901.1	1058474	388018.4	1453679	1542807	1063195	924515.1
9.317167	7	3	4	1315701	1959002	1131111	1754393	918499.1	1786277	1257098	779788.6	2245831

9.716267	8	4	4	380048.5	514425.9	363851	580643.9	300353.2	679354.7	0	987138.6	510551.8
10.008	10	5	5	2103717	5681932	1261244	5337080	2091518	5299723	7747751	4423172	5099014
15.72875	5	3	2	9010669	1.63E+08	63547292	1.51E+08	57848447	2.67E+08	1E+08	1.46E+08	1.73E+08
10.38125	10	5	5	670378.7	2094196	656902	2218435	595200.5	1841593	3212809	2092035	1524698
9.9677	10	5	5	2414480	8868791	2377168	8194934	4135090	9677101	12298260	7729166	5889494
18.67267	6	3	3	54086.18	184410.3	25031.73	196170.3	78201.81	196129.8	217659.3	180788.3	177801.7
18.82033	10	5	5	257246.1	1304203	475021.3	1403137	522812.4	1096272	1153710	844845.4	1331449
9.912633	3	3	0	744368.1	1294763	428245.9	1187496	631007.9	1105807	642303.3	1651256	1654500
9.857683	7	5	2	1510369	3481177	432063.2	3955252	3252927	3363950	2826233	3796867	3933218
40.4255	4	1	3	315786.6	5887231	362351.1	5573189	2146756	6460019	5540911	5985240	5638617
9.4775	8	4	4	1701624	8642614	4371540	7447387	7267307	6106510	2159991	12044327	12015992
10.95055	6	2	4	231979.3	542457.7	307747.8	594082.9	200363.8	842441.7	902739.5	415054.9	255551.4
9.845483	10	5	5	3080733	15479498	1403582	15990876	3313729	16150745	15367500	17500261	14137834
9.398583	5	3	2	589571.5	2241403	571655.9	2539142	1998849	2399433	2653715	2299048	1252250
10.03947	9	5	4	329450	765215.4	140367.4	826244.1	404209	803364.9	767263.8	866406.4	863514.1
10.9645	10	5	5	491203.7	1879605	810009.3	2021397	608038.8	2805324	2562900	1495630	818300.4
24.14267	6	3	3	175762.6	1293465	609101.4	1165906	680733.7	730081.3	1448505	787544.1	1266507
9.976317	10	5	5	4007193	11219360	3766604	10414293	4363972	14340816	15659772	10904408	6913851
9.43325	7	3	2	1126213	4567325	3786102	5436077	4925888	1333156	2612695	8989321	8357323
9.979667	9	5	4	1469784	3732808	1012182	3450559	1733098	4647720	4858026	3239140	2432611
29.006	10	5	5	1669890	9969673	2498305	9333569	3788299	8925511	9657492	8235980	8686394
9.989483	10	5	5	1248522	3849593	1464908	3551391	1558039	5506885	4747375	4375458	2243667
10.95835	5	2	3	8453944	23094811	21937459	18512685	24494425	36320164	638623.4	28697976	333835.2
8.99545	10	5	5	438299	867754.7	398918.4	950796.7	442850.4	1456651	577867.7	474142.8	762896.2
9.903567	9	4	5	1097867	3681234	1640523	3368570	1532008	3127348	5642643	3054337	5010464
9.328967	11	4	5	927585.4	1941501	861629.5	1779390	782182.9	3294377	1590134	2279750	1316330
9.9014	9	4	5	1468972	5802346	742143.2	5446650	2383410	5301360	5134300	6675527	6541720
10.008	10	5	5	438194.7	1029219	173586.4	1105132	504844.4	1212767	904697.8	1057887	1167944
11.53673	9	4	5	301028.8	1067328	357814.8	1142345	402837.4	1398008	793514.8	581818.6	1271252
10.211	10	5	5	470315.3	2728929	990215	2553532	776439.1	2261051	3846469	3213923	3049111
11.88973	10	5	5	493159.6	2447275	541742.4	2579693	778160.2	2853127	3190837	2158863	2052113
9.94455	9	5	4	758337.3	2050598	554390.8	1958802	350552.3	2896389	2016969	1523377	1596402
9.9677	10	5	5	1835342	3662883	1510324	3423681	782378.7	5620676	4682981	2643463	3487931
10.49903	5	4	1	150054.5	348074.5	68867.09	369176	133305.3	431880.6	394641.8	356827.4	275046
25.76783	10	5	5	1767610	9502848	4332492	8689166	3934427	3460904	8734880	9657101	10018708

30.30733	10	5	5	532419.1	3380568	672237.1	3194719	1143683	2939409	4173606	3328495	2546404
9.915583	9	5	4	1172830	4765209	2653930	5210118	1761246	2534630	2279892	7114374	8034456
9.992233	10	5	5	1082994	2279718	843985.3	2061781	1311491	2608636	3426675	2398861	1218283
30.08117	10	5	5	7061468	40831110	7472328	43571188	17910395	30514503	42751563	47102003	35908770
23.0595	10	5	5	1639976	21240608	5265059	20373754	3279911	13580102	20109642	21279178	28128317
10.45545	10	5	5	2166552	10811480	6846351	9271901	8701936	19647600	7921840	16190031	3148202
42.36617	4	0	4	333550.3	3496299	128454.9	3845167	2427583	3552734	3332149	3663401	3522219
39.56083	6	3	2	396365.8	5375022	670103.5	5223379	860410.3	6435596	5162279	5072741	5541504
9.1322	5	3	2	281471.1	440791.4	187110.5	373246.3	441305.8	435003.4	278507.1	667352.8	585660.5
9.992233	5	4	1	369202.1	842399	272870.2	763333.1	494861.7	750601.4	1199218	926568.5	450969.2
9.577683	9	5	4	530100.1	1419511	378296.2	1509379	524385.5	1714581	1893579	1219863	1305949
9.960467	10	5	5	12901467	37345785	12118539	34875131	13085615	48047184	51018836	36539214	23613681
32.47467	10	5	5	1426908	10315071	2514284	9883969	1817463	8105720	9416937	9291696	10142274
9.311883	5	2	3	771614.6	4912134	3062260	4390276	2174284	7113411	483390.2	2944215	7443997
9.531467	4	3	1	304686.9	347676.1	75526.05	427723.9	555166	404008.5	445694.6	329036.6	264335.6
10.95835	6	3	3	256448.6	1084191	234296.9	1032380	291188.4	848353.2	1232530	1385546	1096161
9.8322	5	3	2	836509.1	2556155	1128584	2317786	1300062	3484541	768039.3	2161562	2967470
34.55167	9	5	4	175665.4	656198.4	399859.1	587329.5	294034.7	353213.4	623354.9	185576.4	1057954
42.841	9	4	4	324218.2	5409516	1648423	5056616	1945838	5111919	8078657	3616996	4748822
19.95717	10	5	5	15234069	95844577	38220026	87734127	44508323	39483268	1.14E+08	1.05E+08	80319300
11.13867	6	3	3	478284.5	1898626	372974.9	1966740	322294.8	2265499	1275520	2019648	1896247
36.94217	4	0	3	296997.2	5192831	165242.8	5664795	3301383	5050675	4986508	5371371	5269816
9.992233	4	3	1	668901	704953.2	134608.9	792885	604761.1	749066.1	601459.3	529847.5	793323.3
10.95602	8	5	3	916253.6	2659756	1077931	2881278	1188522	3949622	3685479	2172938	1851862
8.9343	5	3	2	226181.2	548714.8	186262.1	588030.4	215327.9	571278.7	801677.2	459683.6	611925.6
10.93618	5	3	2	148768.3	534454.5	166846.9	490196.9	271412	503668.6	426890.5	423787.6	492256.8
10.008	6	3	3	425055.4	695838.5	330775.8	769307.8	416487.3	670308.4	1223021	733906.6	348586.1
9.382183	7	4	3	443959.7	1841001	290298.8	1668500	1183012	2263239	1850777	1881388	1453968
10.87708	4	1	3	306968.3	603136.5	250561.2	662942.9	352338.4	669318.3	877475.9	333716.3	348079.2
9.979667	5	3	2	8522845	15242635	18994461	18676101	16088226	44380410	3477997	2010289	1508760
9.848417	8	5	3	1120610	2573884	638611.1	2765779	1220893	2558372	3347727	3047143	2115958
3.822717	12	3	5	568323.9	8806190	5481437	9888298	5629164	0	11732844	14214271	7507015
38.3235	7	2	3	339676.6	4100101	1102746	3859272	1354800	5077072	4464618	4615912	4116438
21.76517	10	5	5	230861.5	1335720	268170.3	1382935	213014.2	1352737	1753930	1069101	1134857
9.979667	9	5	4	773526	1421287	591755.8	1573829	929551.6	1777484	1632418	2091115	715246.7



9.94455	10	5	5	1247122	4229603	1001269	4031128	1038683	5616856	4852227	4037764	3255043
10.97857	10	5	5	276820.5	1111750	177525	1024235	595344.3	938015.5	1233004	1252078	1237568
36.83683	3	3	0	494867.4	10550053	2889000	10138804	151700.2	14834815	6690610	10317098	10283547
8.97505	10	5	5	802948.1	2228434	711626.2	2097876	628475.2	2778046	2801174	2649158	1575196
10.45545	10	5	5	4135141	14612730	3134104	13839418	4642747	19691793	13985850	12253669	11931415
31.7815	9	5	4	9388241	58644236	31840314	52477830	31636102	35433317	57957726	19554332	88674791
10.9645	10	5	5	1199537	4805316	1582005	4516670	1381651	6526611	6545841	3551364	3634530
9.46265	11	5	4	4617709	66655576	32695790	60289556	32885348	97209383	34374616	37748704	1.04E+08
9.331383	6	4	2	756229.3	1122267	799829.9	953493.6	932457.3	1001867	93594.72	773639.6	1522439
10.74635	7	4	3	168639.3	673268.5	189223.4	637045	184081.4	860403	580992.5	768162.2	387761.9
9.460217	12	4	5	2678676	4817807	4809310	5897296	6210194	1742911	13286578	2386049	2614859
9.9847	6	4	2	1331389	2448961	1322050	2217578	1043643	3334859	3231452	1509718	3575386
9.856867	10	5	5	1.91E+08	1.05E+09	45798548	1.08E+09	1.71E+08	1.13E+09	1.05E+09	1.03E+09	1.01E+09
9.920517	10	5	5	2673076	28859976	1366746	28303313	3738890	30595186	29344941	27731345	29399627
16.00877	8	4	4	271189	2277139	491304	2192845	367104.3	3131752	1931121	1982862	2115848
26.8245	9	5	4	1082265	6922645	5407939	6047324	3312009	2205812	8703277	475652.9	9885342
37.072	8	1	4	345995.9	3198401	1005519	2922327	1726306	2877269	4990009	2632242	2776701
9.45135	5	1	3	426227.4	1489888	399594.4	1390200	603339.1	2115990	1546468	1434329	1028393
20.25967	5	3	2	351096.7	1516225	1648602	1816217	1438244	277852.2	286501.6	3045600	3574009
9.983433	11	5	5	866653.9	3295055	805112.4	3053114	1550514	2937460	2592951	4151989	4176535
10.008	10	5	5	587785.4	2063460	554381.4	2184054	683468.5	2266840	2880592	2017229	1428777
9.986767	10	5	5	798965.3	1998263	722271.5	1827683	1011621	2535064	2872043	2023650	1238955
10.9645	10	5	5	822107.3	3097150	765593.6	2960290	643454.8	3973447	3768560	2511956	2215782
10.9645	10	5	5	387688.7	1461163	449907.6	1373314	459378.9	1837640	2028138	1028392	1085858
10.7188	7	3	4	39762424	3.54E+08	43942456	3.41E+08	85650842	3.87E+08	3.86E+08	2.83E+08	3.42E+08
10.008	12	5	5	666167.7	883335.1	175890	1035274	1064712	760594.2	650379.1	1072728	1015053
9.4468	9	4	5	5067397	19540581	7101095	20988156	7873480	12710113	17535849	25639460	28327902
9.37135	5	2	3	2944302	12179909	10220012	10073768	11555611	24140975	14804863	1990047	18766496
10.95055	10	5	5	2315295	12373700	2878807	11855865	2470186	14530700	15898196	10215458	8997958
9.559117	8	4	4	790940.7	1480601	1578100	1216830	1104236	1024962	935219.9	444073.7	4275094
10.9645	10	5	5	10513957	40687692	10552758	43083481	13990213	51708478	52105365	34769670	29100585
10.9645	10	5	5	1019615	4304398	905760.4	4540571	1463291	5282217	5252306	3760584	3316477
10.03947	10	5	5	238152.2	517424.4	135954.7	497247.5	51038.72	420484.2	570745.4	462464.2	730748.5
9.43325	12	5	4	1200566	9945869	2453179	9461782	2568626	8794212	12223413	12882990	8496652
9.960817	10	5	4	680099.9	1291109	878515.7	1579503	1892806	1297550	1556391	549026.3	441061.5

9.992233	9	4	5	307162	712406.9	194155	751221.3	208620.5	894646.4	637794.8	912917.9	668625.9
9.972483	7	3	4	3124217	2842618	1040501	3228229	2580478	4382774	2846510	3204605	1963609
14.22425	3	3	0	570590.6	4388721	3107249	4993494	3173584	3877866	2299002	9698022	4067515
9.311417	9	5	4	706468.3	1641931	290209.8	1528884	761374.6	1969962	1742945	1211294	1772398
12.71968	10	5	5	229788.3	1595744	999732	1806966	1184686	2478493	2778564	405717.8	1258221
41.96333	11	4	4	417645.3	3924084	1933783	4335287	2316823	3734683	4391017	5608857	5172325
9.1476	6	3	3	94917984	92583336	1.09E+08	73398193	88485509	10121313	22993139	18398244	2.57E+08
22.19183	7	5	2	315475.6	571441.6	541256.6	695735.8	732527.4	882739.8	181845.6	1377776	144379.5
9.999217	10	5	5	1181296	3817925	1118298	3563928	1488881	5249599	4713685	2567360	3222278
36.33867	10	5	5	882538.7	7417311	2330646	6990162	2102461	9329308	6259127	4081968	9774344
10.95835	8	4	4	1108210	1845672	2331280	1507161	688075.7	607865.9	6007089	1023123	739878.3
9.071517	8	5	3	225286	485957.9	182023.7	433266.1	337631.4	604003	647679.5	601653.4	267473.1
42.79783	3	0	3	345829	4908503	173559.3	4605215	2151891	4843048	4770716	4974870	5181207
10.9645	10	5	5	551162	3152378	404384	3048473	643561.9	3597459	3483959	2981648	2591209
9.999217	10	5	5	1129818	3258877	1271089	2954435	1835337	4480638	4545068	3273515	1738989
10.008	9	5	4	303502.2	599156.9	91962.43	633956.2	234365.1	585973.8	638425.2	736143.6	512571.8
12.00275	9	4	5	193092.3	406790.9	270980.4	485696.3	507474.3	856662.8	182630.5	211352.3	356765.5
9.928667	4	3	1	923217.5	1401642	727681.1	1210041	1197950	1657513	230857.6	1412304	1484361
10.92828	10	5	5	581227.8	1960088	675203.6	1855601	353407.5	3013924	1646440	1397802	1495195
9.46925	7	4	3	3674972	10395472	19298988	13914146	17339826	803689.2	2101975	3260552	44872672
10.008	6	4	2	468513.2	619167.9	289789.9	700790.6	521487.6	806395.5	947418.8	683986.7	227688
9.960467	10	5	5	5514353	16581237	5459471	15465378	6158106	21152411	22978108	16188327	10476172
9.23175	7	3	3	984924.9	2568973	2313607	3123990	3359298	2602721	6331982	2554951	459661.3
9.960467	10	5	5	637181.6	1938360	332340.1	1860099	470181.8	2294734	2192357	2023814	1611592
9.9677	10	5	5	1581609	6567810	1530906	6224430	2014276	7264975	8766418	6094978	4687055
10.9645	9	4	5	378082.6	1212974	397724.8	1324329	711209.6	1528070	1713922	745743.3	997541.8
9.8374	9	5	4	906018.7	4186130	1553082	4491489	1636677	3415742	3393026	2920325	4413127
10.01837	8	4	4	272003.9	627855.7	261343.5	667028.6	113522.2	251079.7	854382.9	560412.4	575948.1
10.95055	10	5	5	461845.6	2097055	823868.2	2244538	712789.4	3363196	1723962	1840905	1185187
8.888783	4	1	3	169832.6	312413.4	173140	281288	151367	376874.9	570200.2	285745.5	214148.3
10.45545	6	2	4	222379.3	558456.5	296844.8	607905.9	211231	1060804	290116.4	489350.3	406233.1
9.976317	10	5	5	1091541	2336602	783492.4	2591938	1688896	3012903	3078285	2573336	1616193
9.8161	5	3	2	967705.4	2851456	756355.9	2694725	877650.8	3165887	2708373	1871500	2591788
36.12233	10	5	5	2689332	21208702	7950731	19758971	7197959	27752267	17871531	10162149	29931964
9.976317	6	3	3	352521.2	610960.8	532440	522010.1	383988	1020140	1191521	725282.1	0

9.912633	10	5	5	12442783	1.11E+08	13798698	1.07E+08	25266858	1.24E+08	1.08E+08	89284413	1.12E+08
10.94443	9	5	4	250023.7	824026.4	146916	857992.5	203313.5	959673.5	967654.7	845704.9	701400.6
9.874317	8	3	5	6038608	19889913	7875092	21584938	9762935	29210759	11378047	24588059	22210869
11.21708	6	3	3	476710.8	2297212	959477.5	2647682	2366984	3013233	1914865	1538671	1423858
10.64557	7	3	4	164890.4	403080.2	102636.3	427182.5	145519.2	410042.1	375801.6	575204.2	317306.5
9.992233	10	5	5	621272.4	2202797	647793.5	2321090	591965.1	2048716	3249342	2309543	1546758
9.992233	3	3	0	932872.8	1373327	663287.4	1529219	943233.4	549638	775730.9	1997705	1863534
10.15407	9	5	4	627094.4	1094134	440457.3	1161465	224109.4	891847.6	1851162	1107133	828501.3
9.473733	6	3	3	439198	1872589	444411.6	1679153	1334041	2565277	1709817	1364498	1749204
9.845483	10	5	5	1545593	3784820	733117.1	4244534	3240975	4085360	4468439	4123521	3672246
9.999217	10	5	5	455478.2	745390.5	324965.5	808550.9	339371.7	816658.8	1225787	799405.3	432316.4
10.03947	8	3	4	2419540	3478996	2241316	3970851	2887402	3538143	1116291	2779476	2799991
9.979667	9	5	4	554403.9	1524045	818328.9	1355708	949165.9	2151843	2441161	1623612	500130.6
10.90802	10	5	5	274604.2	949116.1	385771.3	876921	374825.5	884945	1293764	523631	646902.8
30.28183	10	5	5	2070014	12814675	3013467	12018106	5061836	13337173	17095630	12310356	8636717
10.9645	4	1	3	151935.9	452196.1	136358.7	490407.8	247040.2	669971.3	475148.6	322754.8	438233.6
10.57323	9	4	5	157112.4	314408.7	157724.3	336862.5	42352.34	184812.9	567201.3	199988.7	256737.2
9.9847	5	2	3	4291993	8056354	7148899	6678637	7383627	15918520	472415.9	12004252	11446987
30.27883	10	5	5	3272969	20680509	3641264	19524428	7689445	18512890	25288512	20821980	15943572
9.8322	10	5	4	1328054	4536056	1447756	4281081	1231212	6331051	5738013	3541533	2933451
9.43325	8	5	3	644525.4	2192946	1175401	2437034	1388597	1960987	4253514	1311729	1743808
42.13617	7	2	4	459789.9	8342160	724389.8	7987731	2477712	8266628	9022459	8747638	8528319
10.9645	10	5	5	272143.1	973329.5	317199.6	924472.9	172256.9	1321500	1280642	741216.5	614502.9
44.68167	11	5	2	312267.3	4358310	2012382	4642926	478222.1	6237013	4106760	3955166	6164394
11.1329	10	5	5	235389.8	707390.5	252498.6	752198.6	219232.9	296394.2	651531.5	944047.2	806968.8
9.960467	10	5	5	4343217	7809876	1194378	8433189	4380209	9362539	8168673	8188854	7111864
10.03947	9	4	5	310992	687145.8	200691.7	725392.8	203403.6	536022.8	745923.7	959405.2	746362.7
10.47023	10	5	5	590615.8	2556543	155951	2477092	557803.9	2688822	2639073	2500646	2646237
9.848417	10	5	5	1425723	4832214	1076752	4613285	1230297	5857112	3636799	5782479	5131954
10.92828	5	2	3	418160.1	1127666	381370.6	1063034	294811.1	1227682	1682197	878325.1	680114.6
9.4468	12	5	5	2931399	19454959	6630868	18392366	4288702	19502782	24905402	25987211	17384761
10.01477	8	3	5	312646.8	684459.7	264724.5	731835.7	235054.4	628744.2	1117687	725003.9	459678.1
39.8775	5	2	3	334073.2	4600929	1353100	4940268	2127778	4003548	4234053	6974179	4218230
9.29345	4	3	1	5882456	8996054	9764591	10786757	9162485	2285221	20907279	1231017	18368243
9.650367	16	5	5	29571336	2.42E+08	63930199	2.31E+08	49428679	3.44E+08	2.5E+08	1.72E+08	2.14E+08

28.1865	5	3	2	84527.55	318011.9	181846.6	349819	153030.1	147431.2	335844.8	441023.5	123974.6
10.9645	10	5	5	1348244	6626744	1211292	6397016	1219630	7841062	8033319	5781186	5489057
9.992233	9	5	4	560622.8	1857489	318937.4	1806112	211216.3	2190530	1914455	1922370	1325864
12.28077	3	0	3	97820.29	208790.9	22248.55	241264.3	234218.2	227633.9	217123.9	184129	185806.8
9.93625	5	1	4	1491186	2271620	1283650	2472315	757657.1	3588067	209137.3	2852352	2710114
22.538	10	5	5	316934.7	1001120	395641.8	1160096	1097446	636964.6	857407.4	728787.3	1608413
10.9049	5	2	3	176043.2	479215.3	230362.6	516624.5	157120.5	524063.9	760597.3	168277.1	340647.5
9.960467	9	5	4	1911247	3527555	1583466	3256674	1263546	5632532	4827825	2558712	2285451
9.960467	8	4	4	545123.9	1745355	756420.8	1594286	841156.5	2136018	2660049	1690861	612918.7
10.95835	5	3	2	347402	933083.9	318576.7	991095.8	295715.9	1340858	829388.8	1043044	470010.8
10.02372	10	5	5	301502.4	873075	284844.5	821430.6	261894.7	973504.5	1280045	902702	561211.9
38.42433	10	2	3	335918.6	3456625	2347928	3126301	541893.1	2979537	3048173	3077579	7307097
21.0655	5	4	1	64207.01	251540.3	93268.46	236267.4	65718.02	269973.5	302465.9	363062.6	200257.3
40.237	6	2	3	375772	3889882	1362996	3652531	1143010	6262539	3032893	3251964	3821775
10.9645	10	5	5	1154466	5130537	1030227	4950171	876178.9	6277475	6003165	4121775	4059421
11.51172	6	3	3	189099.7	722155	144655.2	751867	169697.2	903510	657451.7	668166.9	546347.9
10.9645	10	5	5	659048.8	2512282	862636.1	2370368	620238.7	3252804	3459559	2018114	1379613
9.856867	7	3	4	425085.3	1086368	445094.2	1159648	320874.3	1707106	1330433	545383.9	889399.2
29.84867	10	5	5	250391.8	960918.1	304076.3	1017992	302478	1061361	1067136	460975.6	940932.3
10.95835	9	4	5	398851.4	792486.9	361573.1	861718	374528	1336669	817481	653082.4	338440.2
9.992233	10	5	5	497968.3	1468652	449218.3	1566420	580032.1	1901894	1806490	1664084	978773.4
9.4468	4	3	1	302601.2	795319.2	213713.5	755187	213141	933561.4	599056.2	527433.7	948434.6
9.9677	10	5	5	695894.4	1845021	855380.4	1695558	728018.7	2611055	2808229	1683124	780611.9
9.983433	6	3	3	2627530	3128720	3598537	3813684	3689991	9114999	910147.8	1099573	3904360
9.8374	9	5	4	2487799	9889483	622334.7	10150161	1817111	9563028	9704903	9487559	9701654
9.912633	8	4	4	2107130	8478235	2202180	7803554	4505831	7392344	5665647	7955335	11050072
9.960467	10	5	5	1647903	6335257	1649283	5995159	1956855	7251323	8678350	5702485	4429643
9.762917	3	3	0	545383	873452.8	512390.9	800211.2	170705.9	1153192	0	1053072	867188.7
10.9645	10	5	5	1079063	4656679	888459.3	4894050	1537285	5531909	5669939	4128293	3693270
10.54388	10	5	5	176760.5	600492.5	247782.8	558753.6	193637.5	377875.1	869126.9	624985	810978.2
13.04075	10	5	5	944685.7	12391265	2894747	11947354	1627047	15029514	15326888	8364235	12131009
9.9677	10	5	5	5359028	15609943	4924912	14671991	5094772	20202560	21012128	15106740	10014176
9.967367	9	5	4	826193.3	1950600	1022765	1803862	367370.4	3136649	2849093	669602.1	1605377
22.626	3	3	0	16027381	1.42E+08	34280242	1.34E+08	44476377	2E+08	1.09E+08	1.29E+08	1.35E+08
9.976317	6	3	3	483977.8	977347	135227.9	930642.2	319927.2	1101879	1141032	912663.6	894543.9

10.00098	6	2	4	681498.6	1532083	655691.3	1391115	837885.8	2063362	742325.9	2325477	1121083
9.960467	10	5	5	10798545	30880835	11211170	33151947	13009648	40217132	42917582	32641211	19181585
9.872917	8	4	4	3729143	13334353	3994973	12591846	3951496	13274253	6495509	14975711	16487884
44.98283	10	4	2	357154.8	3659217	2348031	3337319	218441.2	3614492	3548704	3663337	7053462
9.9677	6	2	4	932834.1	2127096	1170978	1905357	1202441	3557296	939419.4	909946	2804554
10.96997	5	2	3	299873.8	879104.7	333646.2	792062.5	562733.8	543404.9	696499.8	855993.7	874004.4
10.9645	10	5	5	659242.6	3055469	494807.5	2944426	677080.5	3512250	3492250	2353331	2774564
9.979667	9	5	4	726758.9	1527123	473953.8	1649984	793074.3	1893373	1806116	1233638	832326.4
10.95835	5	2	3	667880.9	1609903	658571.5	1500899	495459.1	2242203	2355396	1317558	838335.4
16.27878	7	4	3	68750.85	208179.8	92858.54	222686.9	57527.41	167627.1	118308.7	239126.7	355036.7
14.16525	8	4	4	188406.2	515893.1	136757.5	489854.4	142429.5	496268.2	421265.7	739961.9	528934.6
10.9645	6	3	3	280025.3	810012.6	234809.8	745521	423759.1	886567.6	1093824	562286.5	571455.2
10.008	8	5	3	1063179	2622351	1057390	2842474	1291590	3166685	3937797	2930744	1538652
26.3895	3	3	0	18163948	87718325	23350607	93697307	38581342	64243436	78572600	1.24E+08	74928251
31.13783	10	5	5	19390424	1.9E+08	19685498	1.85E+08	30550664	1.74E+08	2.01E+08	1.81E+08	1.74E+08
9.992233	9	5	4	654719.3	862119.8	127491.2	802527.8	424022.8	937350.2	902120.9	894919.5	939305.9
9.983467	6	4	2	2327436	2060492	3075063	2683945	3606248	7535285	1180834	441509.9	456122.1
9.858833	10	5	5	2980361	19034789	1923606	18557546	3052647	17969953	16419206	20615622	21114806
9.859983	10	5	5	2460719	11345860	1813725	10920038	2668623	11135743	8559649	13108554	12823854
10.9645	10	5	5	952831.7	4496667	1042761	4686208	997565	5560874	5603877	3854287	3279754
10.9645	10	5	5	799828.8	3378335	926918.6	3228669	656893.4	4402637	4291524	2626594	2407646
10.9645	10	5	5	2876642	14232983	2738296	14795283	3289651	17394132	16810812	12408219	11188517
10.96997	6	2	4	630152.4	1681274	766673.1	1831691	851896.6	2412546	2409630	597334.2	1351314
10.9645	7	4	3	445159.1	1263111	305721.2	1369400	735972.1	1347487	1498315	1517966	1177739
9.999217	6	3	3	588143.7	929667.8	562784.3	1027923	494610.1	1445101	1569051	847838.2	322190.9
9.864767	10	5	5	5570114	41983836	2511041	41166333	5609536	41747192	38686668	44886331	43983275
3.57485	4	1	3	94572.45	905941.7	442224.9	1006175	620745.9	144451.2	954247.9	1241181	1004793
9.4925	11	5	5	588522.5	4065554	2219478	4516752	2630158	2726475	865845.1	5593606	6205686
9.554967	9	5	4	257522.8	678305	287471.3	746612.3	432500.9	959051.6	962364.2	453101.6	331487.8
43.73267	10	4	3	442608	6357879	1540086	6016654	2094810	7593161	4206788	6140530	8074475
9.507167	6	3	2	1539225	4544437	3145771	5078204	2590414	8081362	2036492	2729724	2006263
20.62683	7	3	4	64099.87	176188.7	92506.22	162773.2	40643.48	119430.7	316246.4	79929.57	214623
10.01523	4	1	3	1050511	1769286	848397.3	1584592	1125273	2507597	337212.2	2024419	1741738
21.29517	7	4	3	104815.4	410232.9	352408.9	486065.7	459253.9	257334.8	483110.7	993314.2	130771.5
9.433	8	4	4	564358.9	3971701	2279599	3548648	2298420	3054007	1027629	5185955	7069928

10.95602	7	4	3	387656.4	556170.8	320393.6	643980	583473.2	1089460	372972.3	364298.6	329892.4
11.52297	9	4	5	216196.7	1106776	586278	1019897	297573.1	1598948	1107806	105155.2	1370045
20.26667	10	5	5	57993.87	425505.7	65371.95	440442.9	93403.75	507495.1	434163.5	447751.9	327650.1
44.96767	7	3	3	500982.1	7493253	2121804	7849926	1716720	8977280	9129248	4811914	8983236
18.776	10	5	5	216350.5	1146111	514964.5	1073363	183132.4	1192502	1784640	435932.3	888362.6
9.992233	8	4	4	393633.3	659355	150646.1	709760.3	349418.6	874090.3	754780.8	533028.5	530670.3
11.96588	10	5	5	421114.7	2266996	508798.5	2172312	518484.5	2873451	2627387	1894744	1636163
9.38595	9	4	3	1132543	2946007	1279180	2614253	2180195	3366035	3189039	1399709	2059351
9.94455	5	3	2	644735.1	1124392	477279.1	1033872	505585	1532665	1548105	1255154	437566
22.66967	10	5	5	160902.2	388525.5	172578.7	348728.9	250810.4	203314.8	668521.2	386340.2	309507.8
9.872917	9	4	5	1145294	4057215	982635.3	3806176	1643620	5057758	4662546	3656341	4351395
9.9677	10	5	5	3649957	9172545	3504369	8451611	4284042	12196265	13477231	7775749	5230477
11.52297	10	5	5	44337328	2.84E+08	49213401	2.73E+08	66565341	3.53E+08	2.72E+08	2.28E+08	2.56E+08
9.992233	9	5	4	2251911	2646947	847946.9	3132838	3537144	3289004	2958665	3476047	1967546
9.992233	10	5	5	815647.9	2215123	1099201	2413460	1057402	2905925	3396546	2676053	935094.3
10.95835	10	5	5	627530.1	2527973	676745.1	2411879	581417	3187946	3257867	2001345	1769476
9.960467	10	5	5	4433670	15897587	3829975	15158489	4199909	18413092	20700696	11694674	12501404
9.933967	9	5	4	2169057	4376687	438491.7	4514513	949497.6	4744285	4138089	4076476	3976360
10.9645	6	2	4	268232.7	440344.1	244916.4	487117.7	264068.4	479447.4	252407.2	183592	477433.4
9.992233	10	5	5	1604219	3542763	455182.7	3780998	1729901	3796896	3132527	4002951	3801745
9.398583	11	4	5	5565623	28740684	7229591	31120545	16544439	20099307	22034772	35991722	31361737
9.972483	13	5	5	953684.7	6351573	1130643	6548706	1013563	4560266	6688055	6163977	7624140
9.856867	10	5	5	2909110	12671462	1928598	12367735	1309682	13667258	15020134	11208290	10237565
10.96997	10	5	5	6.87E+08	4.64E+09	4.28E+08	4.81E+09	1.21E+09	5.12E+09	5E+09	4.21E+09	4.2E+09
10.9645	10	5	5	11517217	49684363	12581840	47563398	10433523	63757903	61207197	39494585	35662150
9.365833	5	3	1	1456222	5661221	2698414	6289891	4004364	2925680	4682566	3625427	8468545
9.568567	9	5	3	2370301	2273524	2540579	2770133	2867839	913729.8	955525.9	1145637	6795360
9.976317	9	5	4	2327265	5384385	2226565	4901708	2975007	7185475	8174545	4282227	2773865
11.52297	10	5	5	299617.9	1506134	584949.6	1411267	437667.2	2257147	1250413	1108216	920710.4
9.9014	13	4	5	4592555	8885370	3468891	10861435	14450337	7370178	14150165	8535899	9656779
24.06933	9	5	4	301466.6	1288588	666680	1406938	625252.4	298413.4	1488688	1448945	1087028
43.48817	6	2	3	344056.5	4002338	1062774	4199165	1087781	5841951	3669389	3689230	3731595
9.9677	10	5	5	5536958	15951366	5823197	14820383	6515339	20726222	23025344	15161480	9706348
10.9645	10	5	5	1106356	4545034	778824.5	4791595	1709510	5463420	5278721	4114321	3696480
9.864767	10	5	5	65439400	4.3E+08	19484099	4.39E+08	64263539	4.36E+08	4E+08	4.29E+08	4.54E+08

10.51392	4	4	0	131130.4	256150.1	156277.2	229956.8	128622.6	495214.8	68824.72	221556.9	292874.9
10.9645	4	1	3	203165.6	468483.1	250439.2	510257.7	203717.9	691657.7	734236.9	128169.1	436545.8
25.32033	7	4	3	179005.5	958642.6	240059.2	919655.7	181523.7	545395	1013672	999379.7	1165629
9.536783	11	5	5	910260.4	3707009	2374611	3170507	3387856	5318359	3540278	1236519	1641056
9.960467	6	3	3	1393798	2107748	1092787	1926656	875284.1	3207342	3203984	2076457	919891.9
9.55155	10	5	5	15497782	70962079	14222594	67190578	25209983	78568884	86587546	75570142	64053818
9.522017	5	3	2	709512.6	2183613	339871.7	2035392	1069760	2209220	2588847	1680143	2076642
30.29317	10	5	5	647486.3	2732276	343439.9	2907777	1280478	2915089	3079527	2588434	2205604
10.9645	3	3	0	436803.8	596745.1	158973.6	642274.6	310812.6	546775.8	787507.6	510670.3	732629.8
10.39823	10	5	5	559662.8	1575823	845536.1	1454863	372985.8	1528381	2895438	1771400	860589
9.00395	10	5	5	1692481	5065921	996361.1	4850482	1336406	6002865	6162584	4573293	3815632
9.952017	10	5	5	1093565	2236364	596788.2	2432302	1372722	2948808	2591463	2388343	1736684
8.94625	6	2	4	198082.9	429820.8	217716.3	475099.9	275749.2	451219.4	741976	486590.6	156225.3
9.976317	10	5	5	898743.3	2154504	807424.3	1988719	1002993	2940056	3022268	1983689	1179219
10.2456	9	4	5	353362.8	866101.9	163626.4	831917.1	209082.4	603324.4	828430.8	986519.2	1010511
44.5235	9	3	3	412652.7	4480191	1957088	4768104	1041838	7641371	4173431	3944409	4383536
9.119933	11	5	5	9556464	46136989	16061458	50486521	29427582	62109395	48560412	60947380	29863159
9.888767	8	3	5	2034555	6685999	651896	7160527	3527979	6991500	5759855	6283614	7019195
21.33733	6	3	3	85378.9	247736.2	129537.2	227650.7	86258.44	246410.2	346723.8	149824.2	93374.44
8.931817	7	4	3	183823.1	638763.3	367671.6	571808.8	369996.7	581826.2	1278072	524518.7	349250.1
9.960467	10	5	5	1939740	4584443	1550219	4253736	2050091	5763270	6686024	3850948	3422885
9.856867	10	5	5	1138652	5054803	678933.2	4840133	1502199	4486571	4662459	6081245	5416347
32.80633	5	3	2	224746.3	1238953	840139.6	1381482	726384.6	152270.1	2122264	2054575	1001954
10.008	9	5	4	1077283	1121888	524532.6	1278385	1084526	1260058	1954306	1010386	632840.7
9.976317	5	2	3	622627.7	715439.4	353637.8	812783.3	663296.3	791190.6	95607.57	809356.6	931434.9
9.864767	5	2	3	1544867	3432452	2622143	4006380	3613588	1410312	2199036	7768773	1773038
10.01477	10	5	5	466462	776354.2	178932.8	844058.5	486729.2	798222.9	1046904	805320.2	646561.2
9.999217	10	5	5	4621614	8887675	4288334	7994213	5487783	11466748	14693522	8417459	4020001
11.52297	10	5	5	1.18E+08	7.76E+08	1.3E+08	7.47E+08	1.78E+08	9.56E+08	7.46E+08	6.3E+08	6.94E+08
9.992233	10	5	5	869803	2093820	799941.7	1942350	872874.8	2347325	3237164	2167701	1133570
40.99967	5	3	2	355607.5	3347812	830105.5	3527339	1127072	4424480	3147719	2167516	3256953
9.976317	8	5	3	558179.8	1226295	476541.3	1126967	612632.2	1552789	1820274	1245415	816396.4
31.36467	8	4	4	4149359	25598752	13214506	23201598	13350835	15446274	25122273	9872139	38248189
10.99775	10	5	5	1048397	6913138	1702659	7287474	2376784	9065613	6411033	6285320	4699807
16.72333	7	5	2	60673.09	143003.1	53712.55	152821.7	55115.87	114001.1	212850.6	79737.24	182199.5

9.371417	6	4	1	795990.9	2896063	2242093	3385794	3101212	6725198	1162136	1812358	1776649
9.948333	5	4	1	1329997	2993481	2137917	3434844	2714305	1979010	257993.5	4551587	2517637
10.64708	10	5	5	228838	819117.1	300347.9	771349.1	222375.7	1165242	1050207	582623.2	456851.3
10.58747	5	2	3	242402.7	606355.8	125662.1	577529.8	186899.4	460944.7	685027.9	760354	627176.2
9.976317	9	5	4	915080.8	2315702	863927.9	2166423	791662.7	3154284	3281899	2132613	1493260
10.008	6	4	2	594455.1	869888.3	360276	942961.2	445598	1193276	1107786	1082698	401845.4
10.9645	10	5	5	332519.8	1484543	291377.3	1546695	389988.5	1806831	1714420	1318111	1090685
14.15092	7	4	3	75556.79	382605.4	118580	351280.9	213245.6	442595.9	526216	308380.6	413163.1
10.77857	10	5	5	200987.3	840687.1	292250.6	791788.8	249748.3	689871.3	1310096	933060.1	582419.2
31.14717	10	5	5	3796087	34360409	4189759	33424589	6019598	31367052	36743614	32405507	30720282
9.1172	9	5	4	1494243	3945614	1945480	3562999	2295551	3487292	6110176	5568881	3297321
8.859667	9	4	5	435704.3	3645497	917110.7	3474275	987771.1	3764301	5173250	3369306	2938019
10.37347	10	5	5	507045	1511554	649212.5	1416669	355274.1	461469.5	2219543	1781030	1605858
9.9677	8	4	4	1117117	2431497	405009.1	2221396	1561805	2793871	2262923	2675061	1799638
30.43733	10	5	5	1013257	3769897	1984240	4312600	3736894	6382469	2916978	1510655	5237654
9.445217	12	5	5	73904896	7.7E+08	2.51E+08	7.29E+08	2.01E+08	5.82E+08	8.09E+08	7.83E+08	5.16E+08
9.979667	9	5	4	391201.4	1033567	265985.6	977722.4	349489.4	1298587	1136492	914270.3	629046.2
41.46017	10	3	3	855158.1	5759777	3723237	5136675	3198593	425475.9	3928913	8946988	6079511
19.66517	7	4	3	190612.6	1540450	454349.2	1644455	677855	2042592	1743231	1533459	811442.8
9.999517	6	3	3	282041.1	405549.2	289627.3	463260.2	350247.2	168320.4	800182.9	571045.8	95773.1
40.9565	6	3	2	199658.3	2193715	769779.6	2324264	682605	1992284	1863401	1641711	1920546
9.3471	3	3	0	3122271	4883917	1057377	4510702	2690198	5003430	5862388	3449912	5884895
24.3485	5	2	3	356308.8	1134987	804346.2	1014309	498097.4	247897.2	312992.3	2021273	1521040
10.94443	5	2	3	370032	1234066	390593.6	1360471	901253.4	1524037	919879.3	1464332	1551282
9.516467	8	5	3	889153.1	832365.9	192336.4	965001.6	998944.3	959426.1	1027405	556631.1	900518.1
9.976317	7	4	3	771076.1	1251291	316523	1379363	938530.1	1679576	1153527	1453180	1097496
10.95835	5	2	3	229522.3	949681.7	486073.6	869751.3	401972.7	1144443	1686680	707358.1	421131.3
14.0339	6	3	3	68482.26	350163.3	116284.5	371253.2	119367.6	492252.2	321534.5	237954.3	450750.1
9.9014	10	4	5	1267476	3511198	1331182	3785913	1709411	3032486	2606884	4573243	5230819
21.267	6	4	2	106895.6	514878.5	152163	486694.7	162637.8	476139.5	535838.2	391689.5	404306.4
9.527817	11	5	5	1044323	6108645	2817767	7056461	6816394	9412625	5533037	3712444	3230117
10.9645	7	4	3	757492.4	2446406	654858.2	2341267	510823.8	3128818	3131864	1954449	1730794
9.856867	5	3	2	1067409	2124288	778052	2372555	1772846	2768501	887349.5	2809822	2044945
31.09517	5	3	2	55890.34	174922.1	60128.85	184850.9	50569.37	135652	91930.15	192388.1	216458.6
7.259233	5	2	3	4074201	35988851	20694823	39881191	22863788	33709721	26292361	71379153	30887920



9.8374	9	5	4	1298460	7355099	1605217	7090978	1340418	6538863	5749407	6319320	9160428
9.9677	10	5	5	5559032	16592649	5493854	15545721	6219264	21331049	22814707	16409513	10351225
13.59517	4	3	1	43366.26	227938.1	54556.09	242497.6	100477.1	146716.2	299775.6	222326.7	234036.5
9.473733	8	5	2	594350.3	2037312	1161214	1829501	1169754	905472.7	3652571	2656920	1991416
12.3163	4	3	1	17870590	2.63E+08	54143030	2.75E+08	81023498	3.07E+08	2.03E+08	3.29E+08	2.23E+08
20.9675	7	3	3	10180330	70706599	37778374	63908230	38512961	67413193	80494157	1.29E+08	32749683
44.9835	7	2	4	335500.2	4511773	563720.4	4288145	1644161	4169340	4891965	5270211	4355669
21.2385	3	3	0	154313.3	272735.3	88804.25	290040.1	104608.4	396670	246616.2	210871.6	180498.4
40.97067	6	2	4	422987.5	6001916	631777.5	5610018	2958513	7040905	5649541	5999118	5377966
9.08685	9	4	5	1996108	5215422	2044854	4751156	3047731	4989933	8262787	5859352	4178176
24.146	6	3	3	110020.9	524170.7	167552.6	482494.1	282694.4	363049.1	697705.4	410852.4	436259.6
10.95835	10	5	5	302654	948884.6	344004.3	1014932	396020.5	1206542	1357772	772242	493487.8
9.904767	10	5	5	4555748	9737857	1181272	9123980	4606844	10274681	9078022	10974336	8017236
41.44533	10	3	2	411418.1	4394280	1972410	4137273	162158.4	7750214	3895305	3329719	4307620
10.008	9	5	4	342036.3	925189.5	280554.8	853638.5	489763.7	846435	1392947	851354.8	635834.6
10.92208	6	2	4	155213.1	343963.2	273693.6	304028.9	156073.2	531951.9	225556.2	117162.3	117224.5
9.500733	8	5	3	1477735	6324264	2026336	6640569	1480863	6089917	7398747	8239705	6914875
43.09967	5	3	2	276685.5	3551166	441952.4	3470579	464910.4	4090369	3342593	2982640	3451568
9.9847	9	4	5	436756.6	1227151	519419.9	1144152	406483.8	925081.2	1954348	1559361	1024525
9.992233	9	5	4	846560.3	3054239	738538.7	2918705	786818.3	2185780	4009200	2909644	2586803
9.4925	9	4	5	806382.3	5863949	1597131	5448045	2868350	3302344	6670842	5376942	6637987
9.673333	9	5	4	439808.7	946091	263290.1	1024847	560495.5	1034859	985605.2	624412.7	772911.7
38.38133	10	5	5	5199823	91726120	14522539	94276817	14251575	83867940	82253407	1.15E+08	80734319
9.445217	14	5	5	7247313	60004912	13901709	57649229	12650043	54287143	76090619	73231386	51969325
10.31835	10	5	5	604510.1	3009419	1012228	3188196	1006046	3071104	4092772	3842608	1652836
10.57323	9	5	4	81462.38	236196.8	54766.94	223921.6	80758.38	292622.3	218508.3	200142.7	174866
9.972483	5	3	2	636566.9	1250183	1148609	1050661	1105507	2920454	446991.5	417544.9	1990724
11.16097	9	4	5	460553.4	2462326	1216257	2663844	1053801	4085213	2810701	765332.6	1975478
9.4775	13	5	4	1566604	11153477	2042078	11796222	4630157	8312074	14013322	10684543	11147783
9.976317	7	4	3	435333.3	899654.5	181797.9	835232.2	471967.4	777046.2	1103912	1069520	860395.6
11.63255	8	4	4	200718.2	1009035	542263	933724.1	240929.1	1803162	993189.6	737199.8	341583.5
24.68117	10	5	5	447501.5	1223049	440695.7	1325808	688292.2	1185092	1908211	686785.5	1089379
10.008	5	3	2	371878.5	678458.8	149018.6	720814.6	299940.2	723897.2	822337.2	791810.7	587983.8
44.62433	5	2	3	90611.68	341466.4	109160.6	320467.4	127673.8	260586.4	389613.3	412390.5	450910.7
10.03035	7	3	4	802005.4	1614678	588067.7	1480688	890597.6	2406704	1553924	1765984	1585659

10.94443	10	5	5	319184.1	1641446	464638.3	1571299	310709.1	2306956	1642618	1289442	1132517
9.872883	5	2	3	744162.2	2612869	611066.6	2483252	835155.2	2979971	1605670	3095119	2914698
10.008	7	3	3	371200.2	622509	169372.2	564312.9	425631.1	667791.5	749783.6	437878.1	805091.7
9.979667	10	4	5	2578077	7917966	3489219	7389796	2359951	11601816	2733784	10161444	8759400
9.40325	8	4	4	754034.8	974849	91691.58	1041824	512987.8	958943	865833	1059747	1076968
23.40733	6	3	3	180219.2	916315.7	742533.4	1051327	786897.8	610745.3	376405.4	1668517	172262.7
9.979667	10	5	5	623756.9	1508622	506249.1	1618203	713777	1961523	1764123	1897951	941501.5
9.900133	7	3	3	1111250	3504190	1811653	3795222	1464951	5928141	2208637	3305577	4636584
9.857683	9	5	4	1614837	5112389	2295292	4571138	3651281	4228667	4963523	2899559	4487063
42.17917	5	3	2	229592.4	2952085	1660364	3228179	1463656	2650910	3386809	843482.4	2464667
9.960967	6	4	2	267160.9	446042	201081.9	496047.7	343383.5	480617.1	199731	278880.2	626932.2
9.202433	13	5	5	11602821	47990113	18560577	41402369	48456352	47966938	72348979	58934295	34960784
9.979667	5	3	2	549924.1	918290	541545.4	820127.8	571899	1781491	351493.2	1022016	629063.7
10.97857	8	5	3	386436.6	1068642	534761.6	1156738	461598.8	926244.1	976426.3	306808.9	1428559
10.9645	10	5	5	1886428	7684605	2237731	8090108	2365129	10220101	10034663	5803763	6297420
10.008	7	3	4	406315.9	739041	323797.1	805914.6	426849.6	713534.5	1133913	931313.7	273674.3
18.04033	7	4	3	30438.17	86756.73	19917.07	80416.81	46014.27	107157	87528.32	101052.9	56049.29
9.392767	5	3	2	563439.4	856647.9	161649.3	906627.9	361110	837383.1	861137.5	912229.2	1060085
43.19967	7	3	3	446898.2	6059608	468648.6	6276588	1636226	6388959	5345476	5820920	6437445
9.77345	9	4	4	374140.6	776819.3	232399.3	731630	278610.3	906378.7	1080454	496271.8	791876.6
9.960467	10	5	5	10791507	30935956	11325031	33079340	12972387	40177728	43062586	33061633	19022429
9.964417	15	5	5	4510187	14488478	6637914	13060933	9323765	11262326	4477883	20462632	19454761
9.311417	5	2	3	628020.2	1072958	1217931	891564.5	790061	181245	456751.4	0	1991335
9.94455	11	5	4	1294594	3956586	2532903	3576432	1689109	2667365	4238392	1956972	2685094
11.23103	11	5	4	511748.4	774824	280022.8	899235.2	938019.1	1015829	691126.4	773132.4	353176.4
20.17317	12	5	5	4542610	26456726	11461834	24263594	13428644	9646355	30353718	29888838	21950933
9.992233	8	4	4	345189	1025049	221050.1	1065574	240206.7	1030235	1395891	865626	849563.9
27.18717	3	3	0	122235.5	461173.5	397334.1	400928.2	275422.7	91864.43	557888.2	26830.25	660986.7
10.97242	10	5	5	307700.9	1845039	393857.5	1765842	500732.9	1783939	2183323	1230014	1830926
9.976317	10	5	5	8512220	20553323	7116627	18939283	10811982	23718741	31153020	17805416	12598125
36.1655	10	5	5	593299.2	3109301	1652973	2776728	2107054	5341663	2267864	1273415	2391476
9.94455	10	5	5	2225120	8544229	1421198	8318060	1141848	10481846	9563331	7865810	7065443
10.00098	8	4	4	647115.1	946925.8	392628	1046483	693778.7	817498.6	1572348	1057092	563623
9.023433	10	5	5	841160.6	4593661	1319227	4292950	2026462	4652625	6646290	4767823	3224946
10.90275	6	3	3	194800.7	359917	127124.8	380789.7	110842.5	561318	328395.5	298898.9	223515.9

9.976317	7	4	3	559011.7	1181807	197918.8	1139589	276769.6	1435681	1157189	1226305	1206453
9.976317	5	2	3	605955.4	1084404	243676.7	1021050	445162.8	727108.3	1399773	1112967	1022201
17.11767	9	5	4	98800.07	351253	126777.6	327926.4	139674.6	309784.6	506439.1	463499.6	251663.7
9.999217	10	5	5	2208907	5944668	2092923	5451049	3370042	6954085	8852487	5384184	3241855
24.638	10	5	5	578882.3	3980730	775401.8	4105106	639282.9	3256431	4399897	3363011	3772352
25.5655	5	1	4	482555.7	2554481	719805.2	2418760	828990.4	1934411	3668421	2287730	2022483
9.338567	6	3	3	668816.4	1023555	1060959	859179	797361	0	1171309	0	1433971
9.229717	10	5	5	15504222	25158027	10498240	29061501	29146309	19471410	42670854	25972318	15577315
10.66002	10	5	5	423341.9	1328452	466340.4	1399280	330213.7	1320405	2094150	1314086	1016356
10.095	10	5	5	714858	2625658	1049995	2445174	1016703	1877499	3976294	3260532	2661740
9.856867	10	5	5	2122388	8472273	1524465	8770204	1866370	9650393	8696955	8346011	9708410
9.174967	5	3	2	584015.9	3396052	1360511	3066180	2278098	2193894	2035289	5249886	4208306
10.9645	5	3	2	326626.7	746415.3	120423.1	784569.7	279595.7	820125.2	875483	790213.7	580717.8
13.95983	7	3	4	63029.71	375272.6	260353.4	333279.4	218755.5	182332.9	160970.2	621562.5	694885.4
10.32122	10	5	5	3303802	13976644	5162651	12915412	6853919	17770457	19688913	14267086	11478227
40.194	12	4	4	270295.6	3480181	683708.5	3340283	902947.9	3860914	3992817	3507569	2299584
9.102033	5	2	3	337002.8	1150365	802284.5	1016383	734007.5	1149920	2510548	890826.5	761452.3
9.473717	5	3	2	3561036	8556227	4373420	9593946	7138338	14787258	6504941	10939753	3506226
8.93965	6	4	2	185966.7	357223.8	129108.2	321930.5	252462.2	332444.6	408178	553745.5	250757
9.992233	9	5	4	1106883	2190967	869091.5	1991764	1355454	2589837	3415512	2163096	1182225
9.8445	16	5	5	1285059	3585567	1070263	3345229	1624491	4870413	4542337	3054062	3098531
9.992233	10	5	5	2836346	8753169	3205390	9348086	3625591	10068951	13273445	9002164	5287556
9.983433	10	5	5	1429775	4245675	1588095	3957614	1724422	5472178	6207798	4114046	2568848
24.1025	8	4	4	152376.5	872626.8	412087.3	796259	465187.5	1562676	490028.1	722706.1	689387.3
10.9645	10	5	5	494528.9	1190232	448510.4	1117312	388533	1758946	1579536	769832.1	986235.7
8.980067	5	4	1	170427.9	512546.3	288756.7	569840.1	365536	654315.8	833865.9	634386.2	330220.3
10.03947	17	5	5	2477523	6684020	3872235	7363108	3949793	9437831	937068.3	6004393	6054699
9.91875	11	5	5	944213.7	3159969	1039030	2994082	862386.8	2350533	3324130	4676179	2032389
9.43325	9	4	3	1705619	8391466	6093591	7279013	6710664	18035206	5607822	9806857	6654954
43.17183	5	1	4	304601.3	3219988	977215.6	3470484	1770813	4952724	2705195	2791466	2656175
9.960467	10	5	5	1603161	6439603	1432207	6153375	1838310	7062291	8480695	5913978	4632642
10.00998	8	5	3	2677060	3992676	2326587	3648736	1546157	5944726	6230237	3886660	453256.3
10.008	11	5	4	1050382	1151451	683656.3	1037829	627557.2	2244984	513525.3	640207.9	1135318
9.433	9	5	4	705367.8	1169688	182448.8	1096278	558119.2	957267.1	1460571	1166525	1148922
9.514733	16	5	5	1854076	14460340	3187210	13710317	5190588	11955441	17265577	18351938	11233297

9.983433	11	3	4	708390.3	1571741	1007425	1408843	870877.1	1329082	835355.7	3168594	663800.1
9.9677	5	3	2	1077977	1528018	968726.6	1381046	706227	2563679	314512.9	2420700	1450026
9.388367	10	4	5	675810.6	6302645	1269381	6034621	1780396	5314133	6881955	7526124	4610179
9.960467	8	5	3	883602.6	1969296	302177.5	1906070	418997.3	2360366	2147686	1847386	1564588
9.864767	10	5	5	2307464	16907396	607569.4	16681632	1709719	17167322	16192837	16492997	17759687
30.407	11	5	5	1242603	6982570	1607632	6502001	3536797	5149019	6994581	7212563	6096608
10.45433	9	4	5	235332.6	594903.6	145825.3	554587.2	292456.7	640154.7	452691.1	518445	826363.1
27.18417	6	4	2	64687.84	177086.9	105287.9	193217.3	79752.66	334710.5	103027	69609.25	156068.9
9.94455	6	4	2	1115964	1161179	326576.5	1287516	961918.3	1372604	1065119	1503692	1206591
9.983433	10	5	5	11109266	50993516	12271908	48952410	11417784	55586782	70017741	47210743	39031370
25.2335	10	5	5	207692.5	1384186	368638	1297509	603323.8	1822013	1584681	1109172	910936.4
10.9645	10	5	5	1.51E+08	1.06E+09	82518181	1.09E+09	2.69E+08	1.16E+09	1.01E+09	1.07E+09	9.42E+08
9.989483	6	2	4	260653.6	691692.3	310281.5	750253.9	367679.1	168330.2	789028	855777.6	680385.1
9.920517	5	2	3	1289054	1928951	530465.2	2021266	543157.6	2549338	1131349	1750487	2038156
10.95602	10	5	5	170368.6	584937.5	164118.3	622476.6	259331.1	752234.8	747728.7	417872.7	581049.1
10.98385	7	3	4	739296.8	2643924	1129287	2804213	660529.9	3904200	1299449	1659433	2891064
31.379	7	3	4	1034724	4941007	2661975	4476906	2737542	2839564	5046637	1732430	7343930
10.97242	8	3	5	373302.5	934754.9	338633.4	878152.3	319664.2	1021628	1477932	841345	707573.7
9.43325	6	5	1	438580.5	2360330	794287.7	2239233	597892	3363693	2979257	1418002	1934891
9.531583	4	3	1	440689.5	689857	175463.3	622594.2	513144.2	472432.5	847456.2	603119.3	891151.6
9.9014	10	5	5	1127379	6842420	1296990	6515771	2327395	6528308	5972392	8268789	8101387
10.95055	10	5	5	531531.4	2879129	540920	3036253	1156325	3206679	3638565	2538629	2291660
9.942317	11	5	5	19738900	46910803	13745916	44282524	16695508	66844132	55486591	36797050	40305075
9.4468	7	4	3	693161.7	1667703	649721.7	1910277	1847686	2245722	1623360	2280556	1494206
17.9245	9	5	4	418430.6	1360102	1005351	1211421	691285.5	1119151	1223051	83370.67	2882800
9.896717	3	3	0	992158.9	1627067	485374.6	1757690	947720.5	2218306	962665.9	1547358	1445314
9.338567	7	3	4	657085.2	1174133	939641.1	1038541	592960.2	1230692	830432.9	0	1210461
10.07098	11	5	4	637543.4	1192000	519071.6	1099736	556173	1453602	1870444	1236095	522715.5
9.445217	10	5	4	651698.7	4504882	985768.9	4268865	1661625	5717389	5034343	3483501	3498982
10.84733	4	1	3	140604.7	270634	49812.36	286292.3	116970.4	341475.1	269891.1	224714.5	223152.7
9.896717	10	5	5	1726374	13061210	2191067	12531612	3741155	12907241	9387425	13610078	14754955
10.9645	7	3	4	436713.1	1470254	365860.2	1573632	758760.9	1520235	2057638	1243038	1103690
9.960467	7	3	4	785854.3	1845817	721800.2	1960870	616096	2375279	641279.1	2426552	1818700
9.8374	7	4	3	524518.8	1661753	495428.2	1554903	725852.2	1316223	2382754	1133167	1898683
10.9645	10	5	5	367605.5	1363172	412106.7	1298490	339213.7	1777366	1806568	1205200	869345.2

10.9645	10	5	5	321940.5	1329412	337446	1272970	322462.4	1742620	1601066	1055695	963369.2
9.283817	5	3	2	435144.2	892674.7	290465.8	809848.7	610561.3	667617.1	761283.5	957404.3	704747.6
10.97242	6	2	4	689107.4	1409400	380482.6	1507315	706272.5	1336130	1869189	1716632	1179263
30.25033	10	5	5	782775.3	4409310	769105.7	4148310	1977310	3506127	4962316	4573807	3727477
9.960467	7	4	3	632686.7	1013903	375879.4	1122420	802893.3	1090371	1555118	1110934	628641.1
9.406667	12	5	5	1031413	7069630	3183544	6497636	3506843	5625782	4396480	5475417	7429348
10.90275	5	2	3	254509.5	318710.3	242005.3	350829.6	99730.11	507063	275956.2	24521.53	170098.3
10.95055	10	5	5	332705.6	1425186	388178.1	1372772	181352.5	1824200	1864433	1137895	1059539
9.3735	4	3	1	461478.2	2364184	887001.9	2519209	929305.6	1604063	2828294	3674029	2106555
9.379233	9	5	4	1671114	12021890	5507067	11093346	5375456	12053678	16341342	17785959	9986509
9.918833	9	4	4	2604289	3073217	1994125	2759399	1666316	4330898	612055.7	4790313	4426803
12.006	8	4	4	179648.7	440054.1	162063.4	405789.2	232139.9	640557.1	393551.5	578405	314108.8
9.9014	10	5	4	1501801	2160957	1293388	2349016	858309.8	2106450	1465665	1586874	1241902
41.02833	6	3	3	298519.3	4233433	515716.1	4138650	593310.2	3988530	5105048	4167735	4155996
10.01837	7	4	3	209487.5	630132.3	290730.5	580486.6	292082.7	237335.3	872679.2	423569.1	711966.9
9.93625	10	5	5	2512436	8388252	1764642	8055212	2125289	10902408	7369332	6190954	8634132
35.949	8	3	5	162080.3	877589.3	521034.8	797453.6	412218.7	1161991	578363.7	209005.8	1562048
10.98193	9	4	4	806825.4	3252417	572053.1	3388089	961175.3	4007404	3718822	2917403	2718751
9.880683	7	4	3	4832212	15327166	3852033	14382710	6759235	15198800	10466229	19299947	18950535
9.960817	8	4	4	926521.9	2288201	838468.2	2116401	1150553	2922646	3314793	1927015	2074422
10.95055	4	1	3	131103.6	216845.1	128794.4	239083.8	132640	362465.6	309329.3	84154.84	82191.16
26.40517	5	3	2	63988.42	233196.9	82797.72	220571	64190.95	184594.8	332653.2	295957.7	127527.2
9.94455	6	4	2	571348.9	978772.1	555600.1	878222.1	625063	1427577	73850.91	912391.9	1048252
10.97857	9	5	4	265162.7	1420592	306862.4	1496368	544430.5	1042184	1176543	1598316	1495605
10.9645	10	5	5	5032875	21023598	5792389	20174322	3998436	26816911	27346658	16793107	14664786
9.960467	9	4	5	1164384	2133034	485417.8	2296336	1243533	2446778	2601178	2301090	1927774
10.95055	10	5	5	526408.6	2699350	672570.7	2591714	591857	3103484	3511929	2171523	1870184
9.406667	3	0	3	1047689	3195017	1219517	3658577	3581257	5111718	1836314	3189290	3290726
9.177967	8	4	4	2148426	10120660	4165576	9314194	5259643	13385405	14874114	9708779	4439134
9.8322	9	5	4	1194011	3956546	306614.8	4095020	1084138	4313343	3707625	4139326	4046948
9.888767	10	5	5	1162425	4610807	1319376	4430567	684297.7	4148271	2523418	5290167	5846794
9.999217	10	5	5	1108940	3150570	1222251	2916665	1515965	3806363	4595111	3259037	1336360
20.86667	3	0	3	1668248	7500692	1212941	6729586	6132420	7396256	5477015	7805730	8302961
9.009533	7	4	3	276972.5	1395495	247972.3	1480800	652998	1666070	1525586	1326449	1010512
10.53828	9	5	4	519539.7	2431962	508150.6	2337421	602591	2729919	2937706	2049617	1745177

11.16097	10	5	5	2867659	23142808	8534647	24734280	10176641	34428266	23070124	11373861	19862021
9.992233	9	5	4	535940.2	1475046	534749.5	1383821	542994.4	1866675	2051553	1622942	835004.8
9.348233	6	3	3	416586.8	701034.9	401538	621487.4	528162.7	1032336	319194.2	991728.8	952459.9
9.994767	10	5	5	546998.2	1431243	720505.8	1538154	524300.4	1990327	2204810	1441132	396497.5
9.949233	7	4	3	4010281	5018927	2790815	5469204	2525424	8268018	1555148	4359690	3483105
8.8977	10	5	5	245623.3	4930057	765409.4	5130394	1469694	5076869	5808963	5386937	4536315
11.5253	10	5	5	107298	401477.8	201702.8	433744.8	179170.7	667610.5	207500.6	311559.2	258637.3
9.45945	5	2	3	653251.8	1843624	245816.7	1624210	1763072	2070829	2028705	1774880	1457272
11.52297	10	5	5	258254.3	1590804	301880.3	1530525	402332	2004110	1493534	1251444	1416986
10.008	7	4	3	482477.3	806755.4	352309.1	743467.6	394994.9	822200.5	269044.9	1178213	712213
9.920517	7	3	4	5443510	5203079	6194767	4302210	4237704	1292670	14779753	859690.7	8199272
9.559117	9	5	4	1095644	4490413	1025122	4329439	872933.4	4369667	6231869	4335375	3928042
10.03947	4	3	1	312898.4	455073.9	218999.6	505722.8	359758.1	460868.3	109880.8	592153.3	685450.6
9.43325	11	5	4	1371912	7719297	3226914	7219192	2663244	8817019	5175011	6303106	12883650
8.903533	7	4	3	336878.1	897371.9	666390	1002073	569558.3	601920.5	1873955	1253825	565588.8
24.72467	10	5	5	567239.3	3538783	648310.3	3407571	884162.5	3149449	4500957	2797980	3765889
9.56645	4	1	3	432061	778615.6	478866.2	708627.3	334777	844046.3	546100.5	379754.9	542131.5
10.008	10	5	5	703108.8	2426999	516960.4	2322299	706700	2601165	3171830	2452804	1818782
9.992233	9	5	4	483336.2	1287571	287903.9	1215526	524882.2	1605787	1307891	1458309	1221412
9.983433	10	5	5	2260957	5887778	2085326	5419886	3297978	6785286	8890657	5293668	3298467
10.9645	8	4	4	172058.5	519000.3	262906.3	477864.8	223283.1	735185.8	834050.6	342321.7	476657
10.98605	9	4	5	251106.4	1309049	265237.5	1251053	405194.2	1162573	1520890	909869.9	1478401
22.757	7	4	3	111927.3	508954.4	225033.3	554766	310658.8	303202.6	410416.2	348271.9	650342.3
29.834	7	3	4	45615.06	207666.9	85767.4	219958.9	56569.61	157348.4	212051	118241.4	205651
9.93625	4	1	3	1527775	2019970	503640.9	1803445	1704399	2436201	1192123	2163811	2376900
11.49505	6	4	2	82581.08	243859.1	69437.8	233436	53052.82	347854.1	258120	158118.6	241530.5
9.119933	4	3	1	711729.6	1217707	1095404	1062252	697802.2	385647	385427.6	2444873	484155.5
9.999217	9	4	5	1055989	2548860	874460.4	2735258	1291192	3119137	3584727	2726712	1793856
36.12233	10	5	5	836076.6	6605634	2222490	6226793	2282484	8382882	5525544	3453366	8947205
9.9677	10	5	5	1536977	4304107	1372368	4063976	1481255	5512459	5756736	4407698	2665724
9.4925	8	3	5	1528816	4503515	3106422	5318745	6030019	1127889	1760435	8732903	5509898
9.976317	10	5	5	2385250	7551090	1847436	7963789	2916214	8928426	9439299	8217277	5676385
9.960467	10	5	5	3907434	13010072	2059221	13566735	4145604	14331427	15373739	13574345	10509916
9.433	12	5	5	1890962	16233477	6444017	15246170	5230081	10588908	15965704	17260686	10892048
10.45433	10	5	5	312594.7	991835.3	324429.8	940912.9	279909	1255280	1426563	764127.6	749232.9

21.73783	10	5	5	1410661	10604253	1094662	11154504	4382312	8667804	11297271	10961214	11193601
18.65867	10	5	5	43364.66	183321.2	111056.6	168105.1	61626.53	366952.4	110912.1	156077.5	86094.32
35.98267	10	5	5	25937090	1.44E+08	92208099	1.3E+08	83119205	99355470	93188799	52482528	2.79E+08
9.976317	4	3	1	459904.3	584239.5	558228.3	488670.3	580841.2	841495.4	1360361	620180.2	0
9.992233	8	4	4	928314.7	1219054	807336.4	1406710	1348594	1435201	2424139	1217140	284691.6
15.86305	4	3	1	93130.54	340250.2	100632.3	322999.6	105269.6	435161.2	278155.5	391095.5	194595.7
10.02372	9	5	4	501982.7	1157868	261008.9	1076494	623535.5	1154229	896696.8	1475685	1357048
9.95825	12	5	5	745353.4	3168061	682935.5	3405989	1848878	2899125	3534373	3719120	3600543
19.068	5	3	2	348921.7	1067061	1193660	1258183	1085507	2385085	2359032	161540.3	113990.4
9.992233	9	5	4	335371.6	820278.4	177926.8	763241.2	438845.9	939447.3	928384.7	979847.4	641974.2
10.93752	6	2	4	247904.3	782937.8	105324.5	744392.9	301247.9	750940.7	672952.6	720891.9	827554
9.994767	6	3	3	261830	525858	265514.5	482520.6	252174.7	169728.7	899498.4	594924.4	423245.4
9.507167	5	4	1	464078.8	1104564	408056.2	1028828	492175.6	1420207	815420.5	555566.4	1215973
9.311883	4	3	1	3263723	15982711	10495803	17638671	9250455	6420769	4179652	26973699	16968961
10.97242	10	5	5	401102.5	1828126	550345.1	1937950	744956.2	1915201	2673184	1737927	1154918
9.946467	10	5	5	2159350	4253102	1267180	4019565	1513009	4872655	4568683	2037689	4567713
10.9645	9	4	5	716459	2362292	362520.6	2301683	362856.7	2586500	2668040	1961349	1971552
11.04433	6	3	2	763779.9	2038024	1155090	2262527	1503777	1228612	1638089	3361535	805434.8
10.9645	10	5	5	418928.9	2262421	555768.3	2387888	897674.5	2080025	3188276	2092897	1700136
10.03947	8	4	4	310557.5	606890	363427.7	550397.6	311113.3	749625.5	0	563396	927365.1
10.008	9	5	4	950662.1	1773085	752129.8	1936403	1153144	1490024	1218407	1090251	2177936
9.4925	9	3	4	664315	2467422	1539382	2701671	1249499	1855418	3487267	1782089	662462.4
9.778967	6	2	4	923817.2	2008521	431165.7	1893604	860556.5	2562448	1529525	2141918	1614661
10.008	10	5	5	843535.7	2539072	632457.7	2668536	893147.2	2841503	3326011	2722784	1752277
10.17253	5	4	1	432711.8	707134.9	288421.6	598798.7	852765.4	792313	978888.2	843651.9	224550.1
10.9645	10	5	5	5084875	21189549	5851214	20347732	4048652	27041731	27606649	17001181	14769323
9.970617	12	5	5	24794520	42925873	12280830	45258625	15486600	56341005	24213872	50723869	43824010
9.447733	13	5	5	1539249	11269457	2593314	12235961	7605656	9705566	8630952	12446507	10380895
9.928667	9	4	5	4656456	18342516	4115184	19121772	5167564	16807255	15405296	25180240	15262130
9.856867	8	4	4	525373.1	1630896	379015	1706819	519412.6	1551890	1503727	2083160	1906206
44.96767	8	3	3	369814.3	4268108	1540877	4496653	1174491	3861523	3027071	3953353	3551181
9.979667	9	5	4	481627.9	1218314	304006.9	1270274	320156.1	1658081	1406053	1049032	928374.9
10.37908	7	1	5	455081.1	605936.6	131248.8	572086	252590.7	430705.7	766999.7	524394.8	631113.7
22.81283	9	4	5	1654835	4962519	1816424	4672075	1672396	1879341	5829048	6474481	4864081
9.21755	5	3	2	497655.1	1298464	476994.4	1214994	525607.2	1531525	1025638	1234323	729196.2

25.2045	6	3	3	520555.3	3581806	1071511	3764451	1125264	4799586	2765517	2368604	3421123
11.52297	10	5	5	166784.1	816086.3	279609	860212.6	250484.5	1216640	717838.4	679691.8	498330.7
9.976317	10	5	5	4173540	11021250	4274334	10263354	4829435	14325583	16373935	10397718	6351587
10.95055	10	5	5	812717	4959938	1370746	4756079	1058811	6484907	5948574	3647087	3419251
39.8775	4	1	3	309357.3	4489268	205743.8	4697569	1706996	4521348	4510393	4803786	4279762
13.0989	9	5	4	167574.6	877647.3	328029.1	925993.3	247075.1	1388555	763502	674354.1	561466.5
9.4925	10	4	5	1192718	7033801	3524054	6410748	3963953	7090348	3451907	10828685	3552004
29.602	4	3	1	176197.5	298613.4	302949.7	251450.7	263614.2	75269	308309.6	18101.31	786891.7
9.896717	10	5	5	2313621	16394578	2218247	15932614	3232619	13804838	18376870	14360933	18558582
9.18975	5	3	2	1054160	5615358	1692291	6269042	5183558	4345933	6905851	4611026	7935445
9.999217	10	5	5	1318361	2480567	1111082	2712781	1627659	2936212	4116971	2397897	1359804
9.887133	8	3	5	1089507	3692197	769727.8	3931073	1849466	4383096	3357401	4345402	3837336
9.94455	9	5	4	1840424	2108320	454257.9	2289354	1441192	2660057	2283868	2260244	1869444
9.856867	10	5	5	1532397	6373657	1995487	5984032	2650328	6531819	6770554	4201134	4978146
10.95055	6	3	3	190078.2	409654.9	108747.8	429400.3	128651.6	420023.5	588943.8	321257.8	391516.3
9.856867	10	5	5	2.14E+08	1.26E+09	71781994	1.28E+09	1.49E+08	1.37E+09	1.28E+09	1.19E+09	1.21E+09
9.856867	6	3	3	966370.7	2440827	827582.3	2258472	1308299	3099336	2939831	3061742	1763741
9.4468	7	4	3	531864.9	2881621	924401.6	3043876	1032578	3502615	4054912	2875699	1819106
10.95055	10	5	5	1461757	8857063	2402848	8498962	1887752	11717360	10805403	6642156	6366914
9.999217	9	5	4	701517.7	1154533	659934.2	1276292	803384.9	1253226	2095249	1377790	536642.5
10.31835	7	4	3	191736.5	552768	303066.2	512702.8	150732.3	646439.7	964290.1	644957.1	219874.8
9.932033	8	5	3	1637402	3026397	1390258	2797469	1378318	4329128	4709338	2411519	1758945
10.94443	4	1	3	420009	1272964	402271.3	1209218	367989	637020.9	1676308	1170505	1358187
9.960467	3	3	0	620142.3	927227	233393.8	857299.6	541080.4	1055014	944687.3	692608.3	1238574
9.976317	10	5	5	601223.2	1850488	600851.1	1742517	702253.9	2061629	2569966	2051052	967212.9
9.3735	4	3	1	1292415	2097520	1870200	1820829	1448332	1081641	1269408	2068892	5327150
9.979667	10	5	5	690422.2	1971213	749588.5	1827793	970949.7	2664554	2838144	1812176	1206486
9.999217	10	5	5	1103157	2106631	807872.9	2275361	1191815	2285860	3307564	2220142	1297105
9.976317	7	3	4	426572.8	830694.4	499902.6	749687.7	482383.4	1060313	1529252	720593.5	184847.2
9.473733	10	5	4	1655370	6417371	2569383	6787686	1853960	8173928	9680550	5970593	5135254
10.95835	10	5	5	371294.5	1220496	316644.6	1166438	339541.2	1509020	1593445	971379.2	1140096
40.899	8	4	1	309076.8	3391221	1570181	3580523	121625.3	3965391	746804.7	3833474	4918832
9.976317	7	4	3	568532.3	905053.5	376914.5	852244.6	248406.1	833001.9	1458576	606422.6	539057.8
10.9645	10	5	5	328396.1	1477690	356761	1534233	329834	1811611	1876957	1199819	1080727
9.951283	9	5	4	2368715	4360640	1824767	4114128	1041784	6319506	4950472	1362286	4439154



11.05325	9	4	5	174353.4	776408.1	256107.6	849203.1	561673.1	988753	954706	420694	588149.3
9.822117	5	2	3	3623601	8566125	5279502	7749573	4627366	12496653	2737316	13957950	10486386
11.5372	7	4	3	68864.39	231225.6	84384.65	216742.4	91717.36	258945.2	218358.1	351381.6	119011.1
9.445217	12	5	5	3176248	18771438	8579549	19980852	5816507	19258323	28801973	5179830	18871729
11.46753	11	5	5	7350213	41350381	5798889	39440396	15071939	44758051	38395071	49683514	38708181
9.37135	5	3	1	471965.2	2219403	1114156	2430903	1436070	1941207	862682.2	1678872	3748054
12.6321	9	5	4	134119.8	584014.9	138609	629858	362012.3	776525.5	676885.4	492852.8	531590.9
13.77065	5	4	1	167654	1591209	236536.7	1537417	394420.5	1769743	1554222	1197056	1676927
9.856867	5	3	2	3199711	15640513	2837438	16115227	2961792	14900594	15721114	11448363	19140434
30.29417	10	5	5	2046412	12249995	2663266	11603920	4848963	11934271	16481103	11629489	9093111
9.8445	10	5	5	726526.1	3838817	685271.7	3691764	1063051	4267259	4039668	3557635	2794465
23.10317	10	5	5	8885603	1.02E+08	11760923	98819892	26695333	81589590	1.1E+08	1.04E+08	1.08E+08
9.992233	10	5	5	643939.6	1572741	543483.6	1679714	746948.2	2023258	2159907	1652941	1049210
10.96997	5	2	3	271300.4	829858	169644.5	800481.4	189614.6	792615.6	1097368	673152.4	706745.9
9.507167	12	5	5	2253872	14101964	6545262	15526731	10378299	21767970	12679096	9026890	7032139
9.8445	7	3	4	675519.8	2127307	1018925	1985630	673677.1	2817739	763912.6	1631434	3378177
9.983433	5	2	3	2750314	3201362	4172525	3862098	3921897	10216702	361977.1	919878.1	616586.4
15.52152	10	5	5	86685.45	424910	164598.9	451976.8	167342.9	688771	397957.6	233509.2	415429.4
9.999217	11	5	5	570429.3	1279897	596629.3	1390825	752973.6	1560820	1764399	1799231	550355.4
9.994767	9	5	4	1681432	2797275	1021960	2519524	2147408	3023020	4259596	3064443	1767612
9.976317	7	2	5	1562565	4948416	742380.9	5198627	1996677	5428404	5562487	5455899	4316515
24.622	10	5	5	229747.2	1128207	216352.5	1054669	588037.3	1437621	1146969	1208790	947387.9
44.351	9	3	2	374877.5	7008993	4759371	7771004	4602362	6365839	935747.4	6560011	6887933
9.992233	7	4	3	1690446	3506369	1426285	3225450	1971068	4244024	5207041	4028307	1873375
9.859983	8	3	5	1131408	3049622	878706.6	3315030	2092131	3150522	1647356	3353197	4059408
9.460217	4	3	0	465489.9	1169423	487022.6	1237469	330833.9	872213	1975527	741578.1	1018690
10.52333	5	3	2	124043.9	356471.2	83830.01	377386.4	159195.4	318362.7	376992.8	245642.9	474103.3
10.93468	5	3	2	167211.6	666767.3	337184	612677.9	327814.5	994795.6	633270.5	217241.9	487395.6
38.827	5	1	3	330694.3	4541397	332653.5	4790147	2074103	4606323	4860417	4761737	4468944
9.421167	13	5	5	5296977	35890847	17181179	33435425	12591411	26481554	26083252	26496938	34408377
13.25948	6	3	3	140872.8	553268.3	323703	616807.8	446065.6	405468.6	360223.3	955808.2	209305.7
9.465	8	4	3	1889001	13357119	7443543	14380271	4812754	8035766	5189267	17524728	12282950
39.23	4	1	3	371706.1	6208261	527501.5	6673406	3895182	6221845	6504812	6572754	5294541
44.58117	12	3	5	600859.5	9402334	3724467	8582722	6051747	4959371	13124079	11285224	5848682
11.00657	8	5	3	230957.1	631291.4	214414.8	671054.2	272188.3	502213.2	595179.8	542942.9	507079.1

9.5415	5	1	4	869855.1	1774329	1055252	1977991	1424820	1755083	128848.3	3049863	2116446
43.74717	5	3	2	314475.8	4942182	857682.7	5076237	796102.2	5247878	3768617	5202009	6027038
20.79667	6	3	3	164552.9	1271561	296737.7	1329868	411778.3	1184478	1566203	831613.2	1524246
9.960467	10	5	5	14534207	39309396	15140524	36762889	16300890	52050211	57822803	36116930	23285489
10.94853	7	3	4	686332.3	1314110	508023.5	1205165	799227.6	2033159	1381254	1374549	1163528
10.71928	11	5	5	457578.5	1882830	228275.7	1832274	375433.3	1739902	2197151	2050844	1754268
9.4775	10	4	4	567176.8	4200446	2225365	3807167	2625554	1185010	4101065	3007178	6390380
9.928667	7	4	3	1175325	2077416	656554.6	1984741	472914.3	2644356	956767.4	2316127	2377019
30.54383	6	4	2	223894.1	799227	590437.6	876305.6	314919.7	1793807	409742.7	304745	782316.5
9.43325	6	4	2	840054.9	5237897	3170587	4746458	2919271	8982345	1579382	7290573	5944057
22.04267	9	5	4	149722.8	770326.5	139543.3	815544.8	363677.7	818530.9	993094.1	649223	690707.9
9.91765	6	2	4	873222.1	1462439	769158	1601557	945549.5	529795.6	2348333	1345317	959293.8
9.960467	9	5	4	877161.2	1845830	231410.7	1920049	596645.1	2154098	1541068	1763530	1975827
10.94443	5	3	2	1120698	2195024	2164078	2524039	1914807	4925851	699001.3	695874.9	4165001
9.40325	5	3	2	368213.7	1351063	761950.2	1185354	1229693	1475484	2168398	1932180	855603.9
44.8685	6	3	3	155683.8	1566350	133933.3	1594430	205903.2	1604456	1579852	1489029	1757825
9.976317	10	5	5	1967944	5432573	1931544	5108135	2101134	7087795	7638385	5370046	3309891
10.90802	6	4	2	162295.2	554402.6	337643.3	503457.2	294578.6	474768.6	403177.1	329159.9	413636.4
8.785267	3	3	0	369563.1	5355988	2134285	5026050	1968540	5693078	2403895	8379866	4864513
8.902983	9	5	4	473840.9	975224	607159.3	874953.2	640466.8	949256	1994836	847186.1	395356.3
10.008	10	5	5	2631444	6372851	2413466	5982398	2447153	5711073	10583081	4610777	5013392
10.008	7	4	3	420542.2	860464	162342.4	809139.3	413215.3	1076835	915888.6	801865.4	632680.4
30.28183	10	5	5	7143927	49478017	9928004	47231679	16927920	50982764	63421948	47809619	35522754
9.856867	10	5	5	3690036	13410931	2084462	13777990	2466928	16209963	14848714	12804707	12105553
10.94443	10	5	5	365805.3	1843715	518237.6	1776037	283133.5	2649752	2077434	1576716	1450389
9.8207	3	3	0	697968.4	1803587	401425.5	1701502	793650.3	1589407	1588866	1711869	2515924
38.971	5	3	2	361360.5	5137250	1218886	4875148	1945785	7240634	4656861	4936867	4082675
9.859983	10	5	5	3772637	21065444	962256	21369275	2449483	20106144	21769383	21331702	20007140
9.9677	10	5	5	1703824	5831609	1434882	5608399	1347106	7486110	6562714	5641599	3611930
33.326	4	3	1	69743.17	246209.4	146232.5	265441	82971.08	353153.8	253198.4	67654.36	420082.8
10.9645	10	5	5	22963500	92134855	26402931	88203637	22427586	1.19E+08	1.2E+08	73518281	62951530
10.9645	6	3	3	460119	872528.2	271662.7	808262.6	491532.2	1303231	776232	946725	592591.4
10.9645	10	5	5	1228289	5577253	1249780	5402658	892394.2	6847230	6896741	4303347	4469072
9.976317	10	5	5	507338.9	1798381	389307.2	1874449	544193.9	2115939	2154075	1937124	1514778
10.45545	10	5	5	12835238	46124676	8867999	44220880	14149713	59508218	46073588	39769167	36690095

9.4468	7	3	3	714020.1	3873318	1376212	3641923	1510033	3246261	3332478	5274560	5321803
10.92828	10	5	5	282890.6	958284.9	352776.9	906440.3	291659.5	1331802	862592.3	550818.8	727553.5
10.47857	5	3	2	132113.6	319392.7	92888.3	303887.1	100787.4	326062.7	298515.6	474427.3	242626.8
10.9645	10	5	5	23092196	92155818	26426146	88234812	22409837	1.19E+08	1.21E+08	73675454	62779642
10.008	10	5	5	522749.4	1515311	286358.7	1589556	582041.8	1616637	1438780	1961469	1248804
9.559117	20	5	5	2413908	7876880	8666071	9168733	7468419	1357983	2315166	1070370	16251752
9.544833	10	5	5	651787.4	1702233	375534.6	1616036	657906.2	1659929	2337128	1343822	1544243
10.48497	10	5	5	861782.4	2164262	409275.2	2019912	1185187	2156513	2371775	1998009	1600378
9.848417	10	5	5	872243.9	3458214	1837293	3727098	1515611	5866811	2347276	3058655	4727319
9.992233	9	5	4	1498564	3033209	811721.3	3221483	1442543	3485925	4105542	2798474	1944678
9.864767	10	5	5	4482624	26930792	1914809	26572621	2526971	26969228	28500141	25783551	24378943
9.964417	9	5	4	1056530	2597052	904086.2	2418557	1294055	3277265	3714828	2260449	1432625
44.9835	8	3	5	154767.4	681114.7	76986.23	692189.7	61054.15	705991.5	606570.4	720362.3	775591.5
10.97857	7	4	2	252833.3	942788.7	512337.9	864588.5	469357.6	1166445	588019.7	585801.5	626697.5
9.960467	10	5	5	1857125	6290772	1498304	6046775	1569529	7417295	8213995	5784408	4508681
9.864767	10	5	5	12393732	70140213	3346146	68926422	10034440	73542702	67169191	72605454	71347983
9.979667	10	5	5	426068.6	1334952	574438.2	1261806	290417.5	1662218	2080185	1293424	570199.7
9.928667	5	3	2	888964.4	3119703	1445624	3346669	1412789	2674818	5161387	3979143	1546823
9.8322	9	5	4	743926.3	2935014	138653.5	2877081	484645.4	2989956	2928385	2750970	2878878
9.874317	7	3	4	660043.1	2352097	500007	2510651	1294775	2634326	1535111	2318268	2424118
13.54892	10	5	5	656844.5	5083926	1068279	4889143	1364543	3953997	4744858	4298725	6300273
9.928667	10	5	5	1236261	5053347	2477764	5370975	1312001	2847644	2791353	7573175	7806171
9.41815	6	2	4	1054160	5325043	1552918	4652179	5649581	7499154	5759789	3490428	4208224
10.10223	7	2	5	233915.5	892587	253532.4	941980.1	359269.8	825293.3	517963.8	1213496	921949.5
10.02372	8	5	3	343059.5	944532.2	192513.5	992256.8	375281.2	835512.5	1248415	1006493	876111.4
9.664033	10	5	5	5669654	18909062	1220431	18075254	7134168	20038303	18722324	19242461	19635410
10.9645	10	5	5	1445673	7062666	967206.2	6861862	1500181	7558478	8410476	6572340	5874449
40.62567	10	2	4	426147.4	4733253	1403726	5096165	2880667	5901981	4534556	5491085	5354132
10.08658	11	5	5	2787714	13848780	2594821	14234117	2263699	13167739	12402498	10705855	17036677
10.95835	10	5	5	649893.6	2580076	772455.3	2473125	558655.6	3360731	3432146	1992706	1774630
10.9645	9	5	4	267729.3	1148244	283190.5	1107868	222931	1224801	1103524	742715.4	1136782
10.02372	5	3	2	331284.3	719727.5	323065.1	673568.7	256217.9	877543.1	1166059	699507.7	321762.1
9.174967	9	4	4	635556.6	1194764	562039.7	1105905	562914.7	2165315	1022496	930107	1127310
9.842	10	5	5	951774.7	4621001	421965.6	4517131	817340	5035173	4661169	4180251	5029365
9.93625	10	5	5	3566660	13274208	1990368	12941505	2221543	16507925	13664637	12110287	11389944

24.2155	11	5	5	1561152	8158005	6688077	7320603	3208028	14240135	858747.4	8559957	15204726
9.206	6	3	3	955431.4	5155528	2386435	4796314	2167696	4488694	1881927	8238289	4649499
23.26217	10	5	5	543756.5	1850721	532740.2	1767872	519068.6	1478624	2016613	1442241	1604214
10.97857	10	5	5	566261.6	2611924	343498.6	2540489	537386.2	2427083	2161455	2663312	2728170
8.949567	7	3	4	436897	1996621	638250.3	2136461	1072400	1916543	2950003	1727274	2173796
8.989067	9	4	4	247689	596335.7	482491.6	525876.5	409886.1	317740.1	1369171	183010.2	758598.2
10.03035	8	3	4	380609.6	1096635	226737.6	1148761	405505.3	982426.4	1479961	1002208	1112931
9.2946	7	4	3	9049373	32997782	63609259	42397339	55647690	3456188	6476406	7025932	1.47E+08
9.4468	9	4	4	4945123	14284185	1941305	16400949	18353081	11581276	17016125	13920259	14693420
9.979667	10	5	5	790250.1	1888037	916425.4	2038503	996046	2772667	2918635	1454967	808805.6
10.008	9	4	5	455864.3	714688.4	334870.6	776410.8	441447.8	743009.9	1278121	602314.1	437824.6
9.554967	6	3	3	208827.4	349940.6	139319.9	321483.2	213397.6	328579.4	460365	120775.9	383525
9.960467	7	4	3	760117	1106461	291834.6	1193645	714859.8	1580256	1042589	1118868	1002002
10.008	10	5	5	822095.3	2604169	654763	2728291	901984.9	2810600	3243327	3148878	1925626
10.45545	10	5	5	5376621	17917815	3168353	17179870	5773293	22652643	17330024	14574790	15799604
9.3919	5	3	2	774963.1	3596404	1043100	3909978	2574295	4345872	4619345	4066182	2405566
10.00098	8	4	4	384698.6	708119.2	235103.3	778533.6	577983.3	1023567	859805.7	599678	422733.6
9.9014	6	3	3	1214999	2927291	1184319	2747510	1105586	2078954	3750622	2646825	4509639
43.9915	7	3	3	223570.4	1571187	1874332	1815613	1127264	1138002	4871353	424991.2	1010304
9.976317	9	5	4	886949.3	2352548	823186.6	2218206	887905.9	3079858	3270645	2256644	1323842
9.221317	6	3	3	1023345	3648707	1295133	3301035	2806903	2982262	1951661	5139190	3459611
10.86517	10	5	5	2837923	11775420	2266312	12206344	3140030	14222479	14154761	10927980	10147257
10.02372	7	4	3	410487.9	893836.3	395978.7	958554.9	428534.5	706682	525605.9	604888.1	1407206
9.842	7	4	2	4616301	11954911	7747432	13001465	5319880	12165356	1806923	7767934	15872098
9.40325	8	5	3	1674112	3002498	557117.2	3235113	1972049	2598010	3148451	2828674	2535696
9.983433	14	5	5	2794494	8794280	3225896	9312850	3388577	10326881	13264975	8946345	5315186
3.559017	7	2	4	104846.2	1649788	1181783	1485861	884071.5	0	2185595	2028254	977395.8
27.25633	6	4	2	549836.5	1301245	1414769	1086915	1319470	230437.6	810339	777758.9	899787.3
10.95055	9	4	5	223007.3	597661.5	190580.9	629752.1	217968.6	869289.9	691407.1	544327.4	366858.5
10.97242	4	1	3	1083111	3076971	1166843	2897971	1118427	3176453	4995234	1960976	2397582
43.0565	6	1	4	336589	3762127	262919.1	3836176	604281.4	4172727	3782087	3594412	3780445
30.2075	10	5	5	344084.7	2296036	698124.1	2166259	938589.2	2970829	2956579	2213691	1304800
9.992233	10	5	5	1086348	2699288	961647	2876261	1273648	3363432	3780541	2961669	1648311
9.992233	10	5	5	1887462	4974890	1712938	4729257	1409402	7181623	6307288	3056777	3942276
9.56645	7	3	4	1046086	3046544	607048.1	2950747	617887.4	3683499	2679545	2981802	2270001

9.041133	7	4	3	196124.6	568901.5	358735.1	512357.8	364569.2	699048.3	1016728	622107.5	471545.3
35.9635	9	5	4	879574.8	4299052	2418088	3818708	3586276	7824511	3051466	1640576	3425554
9.473733	7	5	2	673742.1	3883250	1269477	3676399	1374613	4663264	3119810	4799172	4827912
10.008	13	5	4	602383.3	1149759	208937	1123244	113389.8	1135962	1307027	1160639	810223.7
9.999217	5	2	3	942057.6	1567028	854077.6	1698013	825420.7	2015995	658653.6	674161.9	1943540
10.2456	8	4	4	317530.9	1511488	620421	1430319	387455.9	1234151	2020803	2307421	1141684
10.95055	10	5	5	350783.4	1950537	561839.9	2065334	870084.8	2110173	2762658	1808633	1209139
9.976317	10	5	5	1214297	4942848	891927.2	5117829	1305237	5295238	6082889	5267664	4006261
9.976317	10	5	5	2094754	6496007	2103345	6101144	2889112	8250105	8873353	6525992	4022885
9.949233	5	1	4	496697.5	1185400	468102	1125735	262977.1	1210136	713009.1	1947224	1135524
9.848417	10	5	5	775005.9	3231489	1238861	3078789	580385.7	4228811	3309003	2708004	1420820
9.531467	5	3	2	376096.5	810574	584275.1	734730	355956.9	1786868	666197	414460.1	328432.2
11.45398	10	5	5	382281.8	1612656	453109.4	1515351	752530.3	1621317	1448978	1098161	1556554
10.96997	10	5	4	154798.7	420895.1	215332.2	450293.9	157129.2	222990.3	609780.9	213075.4	381110
9.8322	9	5	4	1717435	6266864	1318473	6032201	1674597	6628224	6870673	4893156	4973169
10.05535	9	4	5	589631.3	2350506	1006992	2229744	388100.1	1557779	3254799	3081304	2856986
9.05635	8	4	4	1748580	7013018	5152317	6235859	4842822	12138223	10251481	9528223	171990.6
9.874317	7	4	3	1558845	4327196	2809910	3836545	3464532	2210422	3023235	2560648	4820043
10.008	10	5	5	462456.5	828862.4	219347.9	877735.1	382881.4	891171.7	1164500	815152.3	605827.6
9.304717	4	3	1	589346	3190862	3220398	2722797	2788128	1113413	521878.2	7247438	6119471
10.95055	10	5	5	798497.2	4972142	1274945	4792409	1023788	6312617	6015932	3779465	3515200
9.460217	6	3	2	431848.5	1982102	535393.5	1887492	674129.6	1555451	2899758	1796920	1973075
29.61717	6	4	2	160047.1	704441.6	500342.1	634971.3	386128.9	197778.1	866189.9	150186.1	1213379
9.9014	4	1	3	1190259	2744619	638207.6	2639932	709319.6	2797085	1803873	2634729	3583728
25.37817	7	3	4	160859.1	779844.9	192052.4	807281.3	160016.3	1006644	941922.2	540883.6	677594.4
10.94443	5	3	2	442238	1117891	328277.1	1169305	335131.4	891961.4	1484586	748705.9	1028177
9.912633	4	3	1	859032.8	1772439	702650.4	1651447	851434.9	1937540	755231.4	2321219	1392249
6.95375	10	5	5	2192054	1.1E+08	73516121	1.2E+08	53039449	81025366	33292.31	1.43E+08	1.29E+08
9.089733	10	5	5	876537.1	4162398	1528973	3961744	993526.5	4181790	6589372	3821799	3860287
9.419733	9	5	2	716436.6	1778369	1035499	1944282	1107577	3417846	1568783	1260449	1983115
25.54783	4	1	3	46955.52	95925.02	30599.27	104086.6	66901.58	111628.1	47576.49	107403.8	126574.7
9.970617	7	5	2	1086651	861397	422402.8	943406	615545.2	1258716	423213.8	967855.4	1247136
10.9645	10	5	5	2573803	10796308	2542610	10420597	2308788	13510722	12938401	7751185	8668009
24.638	8	5	3	544866.2	2358561	716816.1	2443320	251660.9	2034805	1795067	3060869	3200237
9.999217	9	5	4	735797.8	2215372	849129	2063321	1097977	2701179	3286887	2327256	1163642

10.9645	10	5	5	486806.2	1774471	530715.8	1863412	615990.4	2027316	2372986	951849	1877077
9.976317	10	5	5	1037334	3640337	1104381	3471210	1084998	4269285	5187618	3440420	2432967
10.11782	6	3	3	20020852	56338882	74239686	46347609	52954784	20383171	1.89E+08	27437975	21774426
9.856867	10	5	5	2228640	11658821	3496589	11235984	1526437	14633365	11237866	9256967	7453848
9.43325	6	3	1	531448.1	2055611	1444639	2282945	1500855	929289.8	741282.6	3647971	3588011
9.976317	5	3	2	580657.6	892855.5	636665.8	788721.7	710967.8	1342211	1721174	807516	209431.6
9.56645	5	2	3	304686.9	421072.9	170572.2	471274.6	419306.8	553753.9	591190.7	470968.3	193986
9.929783	11	5	5	1333533	5621936	1804049	5910441	1934774	5902993	5613093	6089323	7746866
10.39408	5	2	3	99812	233027.7	76231.58	245716.6	87868.66	145078.8	265408.8	167509	255902.7
9.964417	19	5	5	1002295	3891910	825012	3719565	1337141	4184938	2451339	4549064	4205581
35.93483	4	1	3	69858.45	127368.3	173235.9	105198.8	104142.4	0	19994.8	17498.48	401754.9
37.705	5	0	4	286211.1	3557079	118015.1	3374853	1616974	3532574	3451290	3518530	3522803
41.56067	4	1	3	541661.4	6264700	2215533	6535694	1064115	7299377	2308184	7056154	7245945
9.845483	6	3	3	5060422	4233295	1307499	3863049	3082938	4765991	2858148	5204646	2806569
43.41617	10	3	4	412604.4	7337154	3608378	6864704	2379278	8909216	8608529	1121592	10378754
10.01477	9	5	4	325431.6	808972.8	294410.6	763172.7	301178.7	722393.6	1308956	804258.2	657990.2
9.678733	11	5	5	506187.7	1749842	631403.5	1622041	984546.3	801315.5	2022220	1976974	2458288
24.1275	10	5	5	319541.9	1226151	343896.3	1282450	387802.3	698908.3	1225561	1378643	1188680
9.999217	10	5	5	722760.3	2278020	567336.4	2177251	732774.4	2481176	3020816	2475795	1680742
9.904767	11	5	5	1683918	4976567	852530.6	4853422	748592.3	5665824	5167532	3609338	5671617
9.999217	9	4	5	564672.3	1221481	724558	1108842	743774.9	1860048	1996108	1232960	312744.4
9.920517	8	4	4	1745115	8099320	1173764	8285920	1257253	9124965	8604508	9092472	6710605
12.54318	6	4	2	68945.38	254994.4	89667.29	236883.8	139715.5	330955.2	294979.4	100661.8	263308.3
9.464933	13	5	5	1317365	7229847	4500244	6583850	3895098	9728292	12949177	1132191	5023719
41.80517	9	3	4	321156.7	2952701	1595574	3246701	2181604	1321681	5296445	2090958	3826073
10.9645	9	4	5	188482.6	591168.4	268938.8	556408.9	171075.6	918766.6	782498.3	361353.5	287274.8
9.989483	9	5	4	767077.4	1236446	266860.9	1342074	913935.3	1356591	1093053	1586243	1265768
36.155	7	4	3	109625.7	624049.8	181228.6	594142.9	207916.6	704702.6	434713.8	444431.5	855380.2
10.96997	10	5	5	520072.3	1564164	522263.6	1639017	452545.8	1630932	2352414	972951.5	1231123
9.972483	8	4	4	1092339	2311925	345242.1	2201154	942816.9	2837044	2418045	2061692	1956258
15.07327	3	3	0	4171675	92248739	57482686	85632780	16297239	99039255	1.18E+08	143625.9	1.56E+08
9.986767	10	5	5	5940857	8019555	4650689	7417162	3011406	12768840	12299895	3854065	2718917
9.616167	9	5	4	633707.9	1860202	313602.5	1777356	687739.6	1459246	2178238	1690465	2174606
9.3919	6	3	3	675164.3	3810171	1749076	4240983	3530241	4119779	1106919	3764227	5993224
10.95055	10	5	5	532427.7	2983959	558100.7	3114632	1058998	3367529	3753683	2623531	2411348

9.5812	19	5	5	7159395	40098941	23283838	36628736	22135956	47161402	1184343	57344722	37396259
9.830833	5	3	2	7308212	30924586	6824250	29637701	9713317	33240217	21608514	38651516	26428493
10.97857	10	5	5	235551.8	822181.9	122632.9	795625.2	211065.8	900941	698845.5	782837.5	993894.5
17.395	11	5	5	296181.2	2217792	361193.6	2145615	558535.5	2165707	1911786	1908159	2320687
9.976317	6	3	3	1346295	9821030	6446594	8834927	6477759	12237769	16630791	14276834	3510892
22.71217	10	5	5	241256.2	1339177	198106.8	1288901	415615	1642271	1112585	1233158	1386332
10.29105	10	5	5	1327708	4836861	710825.6	5056847	1873700	5606196	5502606	4083432	4191060
11.01378	7	4	3	370680.4	1162883	867736.5	1299452	923421	2653258	587707.4	515390.6	980325.6
10.9645	10	5	5	515637.3	1805358	389774.3	1711003	772856.8	2496896	1645161	1616972	1702834
10.98385	6	3	3	528188.8	1024851	809905	910693.5	681568.3	2292057	411433.7	357801.2	717912.7
8.94625	10	5	5	778499.5	2615954	662457.1	2525338	517060.3	2726535	3698523	2326086	1965277
25.2045	6	3	3	90456.41	280725.9	53595.75	295912	128155	250775.1	325382.1	212235.5	272536.6
10.95835	10	5	5	743293.8	2910310	789797.5	2801389	631872.7	3570262	3911882	2455331	2060506
9.536783	11	4	4	5360667	22454418	14025624	20399319	12993419	24308940	25150531	2512759	41552839
9.63045	9	4	5	1171136	5358552	763982.1	4981238	3335837	5895357	6308764	4699528	4516471
40.56817	8	4	2	352704.3	5808859	1617556	5992430	404190.8	6242876	3805179	4997993	5821863
10.95602	10	5	5	356719.4	1739199	592348.7	1816738	408549.3	2596950	1414729	1151054	1438707
40.62567	7	2	3	235610	2860077	1381299	3014480	208312.3	2909838	3142626	4228888	3463663
9.999217	10	5	5	734404.9	2534184	535628.8	2442339	667112.5	2805390	3154549	2752565	1866293
9.445217	7	4	3	584581.8	2822790	925359.7	2649807	1314827	4465225	2343259	2474805	2564462
42.0065	6	2	3	416415.5	7308080	1350540	6887560	3608558	8180382	8127141	7079889	5036762
9.445217	9	5	4	1075390	2816634	1207268	3056125	1867190	3729854	4333791	1811437	1526006
10.9742	10	5	5	373777.5	1281844	559352.7	1358719	448011.4	1925807	1759610	844349.6	637185.3
9.999217	10	5	5	1106516	3042909	844992.7	2883806	1214664	3408224	4204760	2846622	1903893
9.853633	6	3	3	1103907	3447668	1509799	3267158	698384.3	4531976	2377071	3005342	5465939
9.365833	5	3	1	488020.9	2697913	1709944	2450790	1551122	1916204	4532064	2259813	475040.2
9.4468	4	3	1	541617.1	1803519	663725.5	1662722	1124629	2839106	1169776	2030931	1350405
9.856867	10	5	5	1667713	6360497	2255842	5979543	2749534	6374552	6985685	3383774	5483333
9.918833	8	4	4	1252305	2106502	924739.5	1957157	1045001	3656987	2146612	1305265	1536556
9.870017	5	2	3	7732521	31662781	28589972	27733582	22980986	1424727	38940836	1691429	59371458
9.94455	10	5	5	2153222	8638275	1368725	8442336	1217606	10519392	9616069	7966933	7265638
9.8322	5	3	2	632055.6	1201629	685662.6	1085375	842271.8	1260220	871171.1	757775.8	748699.3
9.362817	6	3	2	289025.1	596312.4	222245.1	554767.7	317283.8	805334.5	376593.6	698416.4	763918.4
10.008	10	5	5	1096964	2456965	1183949	2639665	1234999	3226089	3833776	2719988	979475.8
10.01477	8	3	5	458557.6	781467.7	258120	829085.8	361937.1	603843.6	1174759	635851.8	914695.4

9.964417	6	3	3	37947380	44180022	67034292	35360571	47962033	1.54E+08	1270981	1147789	617526
10.00098	6	3	3	310860.5	716786	124761.4	669950.8	410890.8	554743.4	903473.2	685257.2	712044.8
9.568567	9	5	4	592820	994548.4	323614.1	926015.1	550025.8	1430314	1155489	993324.6	583207.8
9.9677	6	4	2	927357.4	3062566	1051449	2891147	1217543	3440091	2711003	4716431	2152392
18.8455	8	5	3	101994.4	636365	187145.4	600073	282949.5	880989.7	434068.5	473307.7	748945.7
9.092333	10	5	5	832585.8	2108570	570461	2023640	558446.7	2711105	1879075	2193219	1257600
6.726017	5	3	2	767149.1	15537894	5038023	17734710	19530339	22221086	18684980	9327764	12768906
9.445217	6	3	3	649168.3	4663387	1340339	4327052	2823633	4434346	4900188	5236266	2559130
10.95835	10	5	5	525988.1	1774923	773455.2	1673446	556162.3	2906303	2169463	1453915	919190.7
9.976317	10	5	5	1056516	3662194	1146735	3487980	1174199	4303899	5184763	3657569	2267779
9.992233	6	3	3	358102.1	470270.7	158859.3	511003.1	343664.6	657943.9	590742.3	476298.5	343365.6
22.71217	6	3	3	213624.8	1212794	656996.9	1300946	505470.3	510670.9	1475881	579381.7	1442342
9.93625	9	4	5	986373.6	3058064	656284.3	2972510	463876.6	3775466	3304195	3460207	2211921
44.1065	8	5	1	312862.3	5346518	3135703	5001643	315599.5	9468741	1461282	5013107	7282444
14.0342	6	3	3	380734.5	3460945	588727	3829113	3321842	3218345	3067662	4501060	3190525
9.203483	4	1	3	594510.5	1462461	540325.9	1603727	1197744	1159812	1110001	1040368	2312220
9.132467	6	4	2	198324.2	402308.9	300047.6	361075.3	246987.6	342933.7	810434.6	563307.4	278162.7
25.2895	9	5	4	557096.9	3731574	2512177	3390471	2004116	1598286	5553114	650590.6	4396574
10.008	8	5	3	545589.4	871743.2	336219.4	952453.4	673656.5	923847	1386714	713214.9	472948
9.956417	7	3	3	24471386	56823215	75980644	46723788	57261405	1.34E+08	883950.1	2488645	1.46E+08
9.964417	9	4	4	2102932	3776824	1182491	3914338	483086.1	4664576	1797153	4199623	3619794
9.976317	6	3	3	1859271	2375195	1853870	2641534	1701045	1013372	955075.1	3213126	5255644
9.9677	10	5	5	2196358	6517161	2273702	6166581	2409157	8435225	9199129	6319814	4120641
9.976317	9	5	4	726264.6	1688775	522737.3	1821892	1126186	2267428	2165231	1405966	1026072
21.2385	6	3	3	65657.27	216349	18066.72	208766.9	67630.37	197456	230786.9	238628.5	200917.8
41.58967	7	3	3	267345.2	3990594	710896.9	4373898	3456404	4473481	2733428	4227164	4319945
9.904767	9	5	4	1551023	7492680	2543292	6998346	3898748	7421828	6358740	4539227	7672575
42.29417	11	3	4	278334.4	3408655	898213.3	3101574	2702631	5005316	2940639	2962786	3183228
9.609367	4	3	1	330775.9	1330870	713415.5	1219242	780007	1289497	926897.4	1054577	815841.2
10.97242	9	4	5	382761.8	1753785	707680.4	1665700	431118.8	2637479	932279.5	1364515	2331112
21.697	5	2	3	615483.8	2351496	415525.8	2576267	2029302	3077483	2226302	2261814	2163969
10.95055	12	5	5	362055.3	1728748	684619.1	1843157	838893.5	2869673	1434987	1400656	1119609
9.9677	10	5	5	1087213	2442573	998920.6	2270699	1282586	3380464	3591285	2010785	1271256
9.224517	5	3	2	527552.1	1483620	533188.4	1654943	1500508	1126747	1049423	2079991	2053548
9.507167	6	3	3	524129.2	932548	718100	1029887	577421.6	1428866	99063.18	301009.6	1060807



39.3595	6	2	3	389770.5	7583820	1515481	7787550	1194120	4930414	8387683	8259310	8591845
9.960467	3	3	0	888770.3	2035252	1182956	2218679	1279271	817363.3	3974479	1646833	2140272
22.75567	5	3	2	84914.86	285751.2	143108.1	261198.7	183688.5	305220.3	480669.1	98125.25	209180.1
9.983433	10	5	5	2065533	6454517	2162359	6069112	2942625	8152352	9036569	6410256	4035605
44.68167	4	3	1	65280.55	234362.3	131805.8	217307.3	93312.64	161354.6	100737.3	290618.7	435713.2
10.05805	5	2	3	372248.8	795449.8	168068.1	758824.7	301254.5	983643.6	900321	600906	636936.8
10.03947	9	5	4	247349.8	632202.7	77324.9	654511.7	193545.8	643053.5	555623.4	749818.1	643373.4
16.30165	7	5	2	53347.5	239112.4	118474.3	258595.7	142189.7	290467.7	407363.2	91094.09	222385.5
9.79485	8	3	5	1224997	3347601	1329302	3545839	1337975	3178698	1103332	3949257	4260914
9.94455	8	5	3	658309.2	1304779	325354.9	1259676	279492.9	1795728	1465173	1156827	989538
9.9677	7	3	4	810629.4	1417082	699385.2	1311891	716589.2	1711917	2381749	1400197	1084491
9.976317	10	5	5	4111378	11009330	4208029	10329659	4908470	14243938	16303437	10389023	6470525
9.859983	9	4	5	1675053	6601224	1095317	6298316	2621767	7450995	4983922	6056087	7646386
10.95602	7	3	4	216714.3	1226927	304749	1180181	325231	1160110	1719575	1049783	926488.6
10.32122	9	5	4	425371.7	1356328	461239.4	1293932	374881.1	1451280	1919286	1559210	687828.6
20.23117	10	5	5	164242.5	516669.2	173400.8	472967.6	372977.6	730387.3	255739.3	564193.2	562626.7
9.032133	5	2	3	621861.1	1504511	772361.3	1377403	933209.9	2206925	1697758	1763195	1676425
9.3919	7	3	3	1471157	7050116	3405387	6144428	7801103	6072725	6073272	11821541	2663069
9.392767	5	2	3	356467.8	864766.1	637886.6	772160.3	612009.8	975323.5	857724.7	509641.2	136885.2
9.960467	6	4	2	1802528	3865098	1155063	3712823	878311	5151431	4853768	3500590	3520875
9.999217	10	5	5	2772321	6194572	2286922	5763810	3397639	7711968	9057669	6223999	3399837
9.999217	10	5	5	2654709	3037722	1673849	3396359	2955171	3691925	5479722	2977994	1201619
9.983433	10	5	5	898891.6	2059106	1008029	1904070	1086288	2701136	3475958	1755816	1104577
9.928667	10	4	4	1288035	2956025	1173096	2720496	1904768	1477182	4711008	2508587	2934880
9.872933	4	3	1	627421.3	1066320	466730.4	971215.7	773517.8	1473544	455230.3	1029444	1575117
10.008	7	3	4	1118563	1584228	699983.5	1423148	1355248	1210732	2359252	2165345	646109.6
9.032483	10	5	5	859858.7	2143196	984511.6	2020014	637721.9	2574782	1743681	1618420	1137670
11.38553	7	4	3	108375.4	406228.5	85575.22	419810	97844.88	409491.9	476012.5	263342.4	413247.5
9.346	7	3	4	758674.4	3930825	2072152	3512686	3395228	1769821	3763137	4580673	7077371
8.960333	8	5	3	556036.9	1265018	815498.4	1364286	474137.3	1913934	2012694	1542930	744642.1
10.9645	10	5	5	638248.6	2524711	750005.6	2430290	499034.8	3208656	3409008	1967818	1720099
9.223417	7	3	4	294005.1	1229967	366325.9	1285566	387660.6	1718171	1267446	1350364	714798.5
9.36515	6	3	2	4426741	22603360	23031629	20018382	7732560	7266736	44546160	50650095	8284712
8.874167	10	5	5	702196.6	3096817	1409320	3350115	1972043	2636052	5413703	3355676	2213806
41.69033	9	4	4	341076.8	5027960	2360757	5371885	2314937	6085033	5801494	6045096	6386855

21.702	7	4	3	158493	548459.4	236906.6	578630.3	165669.8	471407	776277.3	675088.7	172958.4
9.859983	10	5	5	1568092	9130903	499362.5	9378602	2266725	9243635	8387263	9603704	9522770
20.3605	9	4	5	245547.2	1701674	770112.4	1605937	496885.8	863066.1	1859025	1154761	1772183
42.23667	6	3	3	378713.9	4944874	824157.6	5291269	3146962	5087079	4809760	3888328	6180761
9.994767	8	5	3	393579	772053.2	326226.8	822699.6	362239	927678.6	1096056	991958.4	463922.6
10.0926	10	5	5	5452006	11018128	2453842	11852068	7469028	12822272	13735193	9194878	7868558
9.848417	9	4	5	711116.4	2331751	479954.9	2243781	694722.5	2968171	1793275	2514471	2468609
10.9645	10	5	5	252737.3	946027.7	248674.3	908542.4	262121.2	1296527	1114187	756634.6	725942.4
9.601917	7	4	3	318877.6	837816.1	187568.5	802999.3	276781.1	1041502	878528.4	975745.2	698953.8
9.445217	14	5	5	4439227	38693767	8986666	37427725	8292800	34406751	46151954	50432629	31441468
10.95055	7	4	3	463473.7	1252193	462143.1	1192822	337247.4	1191312	1654942	1097501	589858
9.40325	10	5	5	2299331	5648943	719949.6	5360438	2625639	4779744	5998393	5243900	5561791
9.992233	8	3	4	535522.9	1392655	249677.3	1446219	448428.1	1181786	1541468	1332354	1746768
9.960467	5	3	2	1154809	3221683	1779382	3013040	901488.3	797864	2118915	5366096	3812550
8.911617	9	5	4	5609880	46880653	6913019	48480251	13651580	48658244	57379019	46887555	39655385
9.976317	10	5	5	2847338	5537563	938491.3	5858724	2895582	6650526	5263231	6342914	5038984
10.9645	10	5	5	479038.8	1895665	569898.5	1820523	452287.3	2428108	2536064	1470935	1252073
9.0258	6	4	2	224043.5	561961.7	282717.2	520569.5	285058.2	690197.3	794538.5	640423.4	613011.2
9.840617	10	5	5	1304706	3782917	1631233	3562379	1381858	4262924	4920790	1503055	2753460
9.994767	9	5	4	533013.4	1274016	549935.9	1172799	808744.1	1504953	1927907	1304144	423261.3
28.906	10	5	5	1030848	7902861	1406369	7652806	1969358	7505359	7339421	7054589	7213759
42.62517	4	1	3	364583.5	6104362	350136.3	5857476	2301046	6160454	6274523	6155572	5508923
10.49953	6	3	3	101668.6	219166.8	76094.11	231668.4	94411.32	314151.3	201850.5	184155.3	274335.9
21.48683	6	3	3	846494.5	4240137	5458643	3504986	4593935	10259975	199186.7	10178423	193892.2
10.95055	10	5	5	311075.5	1725481	473219.2	1666588	317594.1	2290042	2031900	1337290	1155537
9.896717	10	5	5	3863553	10252790	3685762	10746475	3080533	9677092	6515734	10321476	16313833
10.008	10	5	5	1091699	2275282	808505.7	2117982	1290839	2802135	3284021	2328859	1316387
9.8445	6	4	2	631216.7	1426287	719914.9	1288241	1127663	1337925	1135686	789865.2	1205862
10.9645	10	5	5	1197379	5854136	1241177	6038059	1294773	7081203	7226571	5051661	4448579
9.45945	12	5	5	2008121	18203060	5403093	17434073	5213138	22645281	17550592	11498096	24529383
9.45945	13	5	5	11683342	55035195	27247556	51271611	24638412	52489542	84691701	11529653	68552480
21.27933	6	3	3	257419.3	492952.4	663023.3	405596.9	534786	465375.4	115240.1	214910.8	27092.38
15.90593	5	1	3	631989.6	7898816	1767185	8289663	3341099	7271433	6971628	8597724	10605236
18.02583	4	1	3	41214.25	82654.59	60903.38	90191.88	40873.37	184098.1	69709.48	74356.72	19170.51
10.93618	6	3	3	336308.3	738798.7	331704.1	788243.8	352126.6	996587	1172035	498707.5	397902.7

9.992233	13	5	5	738449.1	1222545	892350.8	1360062	1006526	817462.5	1161191	632068.6	2778160
10.21522	10	5	5	18811374	73881261	17148242	76666020	21151674	1.01E+08	77187201	71046411	62685331
10.9645	10	5	5	300997.8	1119953	293042.2	1181203	517693.8	1510079	1349055	989586.9	909584.8
9.976317	10	5	5	581251.8	1257394	294783.5	1323083	565194.9	1152055	1662843	1211274	1392813
10.008	10	5	5	464527.6	1064876	306011.8	1114880	382431.7	1185008	1543664	926651	887808.5
10.95835	10	5	5	325970	1507917	316071.4	1581499	639560.3	1697993	1915969	1496141	1103101
9.912633	10	5	5	2897270	6684883	1156047	6469972	1751255	8705379	6483726	6115706	6302183
9.4925	8	4	3	524626.4	1456290	316672.2	1529233	632760.2	1617887	1259353	1294607	1173569
16.03795	10	5	5	846004.3	6391629	1309869	5895779	4570456	8393319	4887403	6226710	5719848
10.9645	10	5	5	1146866	5446401	1227386	5622123	1214455	6726050	6736774	4717307	4027313
8.787367	9	4	5	510959.7	3656424	953065.2	3810534	1174830	3740568	5283960	3089630	3103264
10.44215	9	4	5	486350	1658299	635775.6	1578322	459815	1395875	2525878	2123466	1067873
9.999217	10	5	5	1133129	2335785	802228.7	2182966	1262525	3001820	3123992	2569727	1369834
10.12327	8	5	3	336079.9	784822.8	275318.1	820402.1	215744.5	485353	1183968	915634.6	742130
37.92067	5	3	2	342128.5	4145755	1167472	3991355	973708	2570307	3918040	3896682	4559419
9.284283	4	3	1	561151.4	1321853	315334.6	1243206	696247.2	1426977	1340459	777666.2	1501954
9.475667	4	3	1	455982.7	3073543	1016532	3268832	1621019	2447444	3810524	1901926	4398561
24.20483	6	3	3	438887.9	2039015	1815146	1775649	1860208	824129.2	4092699	576982.3	745373.6
10.95835	9	4	5	195506.8	619332.5	189695.4	648833.5	220592.7	943306.3	622238.3	530054.4	537762.6
15.99403	5	3	2	135052.4	802596.2	274516.7	836151.6	182503.6	1169070	739907.4	997981.6	567901.4
30.1075	10	5	5	1205020	5617077	1530591	6003423	3433387	3829594	5846969	5802466	4698958
10.26505	8	4	4	183948.5	672607.1	189525.2	636492.9	299590.2	666474.4	371319.5	892046.6	696062.1
8.91745	8	3	5	396823.8	1648063	701231	1798395	1293045	1426799	2867143	1142914	1567936
38.7265	5	2	3	254344.6	1022730	669628.8	943852.6	386341.2	696972.3	554956.7	386516.8	1882220
10.52898	8	5	3	227592.8	527890	323694.2	565518.2	175561.9	436349.1	1062918	448154.3	184829.1
30.226	5	2	3	101846.1	604616.2	163073.8	576220	227293.4	455465.7	792482.6	770440.1	516781.6
10.35832	5	3	2	162808.3	254681.4	102175.4	239989.5	103195.8	184517.4	431203.7	251124.8	189507.9
9.999217	10	5	5	993298.6	3172868	878324.7	3010803	1330759	3630290	4298908	3218049	1984155
9.8374	8	5	3	493444.5	2146935	354581.3	2058555	785282.8	1884605	1972758	2247876	1904067
10.36865	8	4	4	448984.7	2044896	923900.5	1930081	653165.2	1850377	3041858	2799028	717783.1
9.976317	9	4	5	5954530	7045285	2079085	7434569	3216842	7425203	9177028	8852820	4827399
9.842	5	3	2	789808.9	1864255	1032755	2003261	908015.9	1761437	1513182	1084805	1305256
11.52297	10	5	5	9686343	55796815	11243916	53979744	14004369	70774868	53641872	42080236	49603781
10.008	8	4	4	696059.2	1063728	439359.7	1153405	763003.1	987883.1	1823123	904961	917114.8
10.95835	7	4	3	146386.8	502223.3	109214.1	483979.1	143458.7	550154.7	647700.7	526194.7	388629.5

9.41815	12	5	4	1282266	6265257	4547256	6828006	3188829	756565.6	2120151	11102983	8974714
9.864767	10	5	5	4492989	26733098	1850155	26400890	2707168	25248811	28236326	26043863	25003081
10.84643	5	2	3	137927.3	390838	211204.9	415291.2	115149.1	208778	706023.5	492581.4	210123
9.787633	9	5	4	1032941	1325515	401332.1	1444296	1086016	1912074	1161752	826240.3	1260799
10.008	10	5	5	457975.6	1094437	119652	1150827	532150.8	1167553	1101190	1249774	970359.6
9.9677	10	5	5	2977040	7988283	3182711	7503926	3607193	10829619	11608123	7703176	4592876
9.864767	10	5	5	6094627	42837110	2084952	42249086	5349550	42651026	39426097	44242138	44752224
29.5305	5	2	3	55715.85	185046.1	79554.72	194408	47023.24	174807.9	179713.3	155507.8	99682.72
10.9645	7	4	3	574207.9	1711321	445245.7	1812633	891141.9	2199148	2172196	1336273	1287756
21.51867	6	4	2	580560.7	2562632	1180386	2388644	1265963	980024.8	2738930	2871326	2029810
9.582167	10	5	5	1807253	7207922	1319712	6897960	2746243	7156822	9076900	7840514	5797907
19.85467	5	2	3	46123.75	108082.1	37646.68	101844.8	49252.3	44030.81	134547.7	122669.7	133524.6
24.07483	5	1	4	105267	719801.7	68427	703299.9	147063.8	728699.7	834180.9	678097.3	663189.1
3.696283	9	4	4	654485.2	13156185	8613697	14286412	7252243	0	21332925	19063346	9412543
28.3895	6	3	3	106129.4	467460.7	267291	428684.5	279828.2	291048.4	529847.4	102087.3	672845.6
9.512983	9	3	5	9264799	35803786	23964767	30788158	43439385	1398774	22235256	59695276	41985869
10.008	8	4	4	547717.5	850272.7	361221.8	926604.2	662833.3	888791.2	1411431	809520.7	416401.8
10.03947	9	5	4	471032.6	1046682	263649.9	1099830	456017.3	585746	1135460	1145419	1256102
9.43325	7	3	3	1466508	4437594	981323.8	4568491	863754.2	2802522	4604722	4466036	5395780
44.9835	7	4	3	111849.9	345729.7	54116.12	363948.5	169896.7	324846.9	427150.3	371772.6	291892.5
8.926833	11	5	5	4116912	19373352	6788000	20694964	11235365	17049404	30615170	20513244	13774413
9.842	8	4	4	1980141	3625582	1779243	4079935	4108173	2977401	2698237	6675962	2184486
9.508883	8	4	4	7743146	20624342	16846102	22970259	16353481	13906960	13606582	11939661	12939222
31.0315	3	3	0	1583508	8523392	6909915	7809818	424492.7	4170205	8109514	20504712	3845885
9.983433	10	5	5	1509143	4469518	1646721	4199329	2140790	4993665	6847003	4387503	2374969
10.57323	10	5	5	3452599	8634475	1904518	9308842	6324367	9705348	11146074	8747800	6461344
36.32417	7	3	4	106388.8	729611.1	344080	680870.7	346668.5	859997.5	1122331	928271	334116.8
9.388617	7	4	3	565742.4	1820182	1047801	1662648	1181383	2363033	2357034	627603.8	785740.8
9.507167	7	3	4	351556.7	812082	484154.6	745033.3	466634.8	1543245	884345.5	786220.3	641049.5
9.433	10	5	5	3479245	8989786	775268.3	8690134	2831675	9059166	8812545	8090430	8768185
21.267	10	5	5	592757.6	2173563	744143.6	2042194	1082421	3297721	1255262	1945396	2351574
9.840617	10	5	5	4845045	9537733	10112905	8070639	10710760	1944881	2366002	24134562	16213906
10.45545	10	5	5	1207601	3889549	778822.6	3741487	1256907	5117105	3919307	3386399	3076039
9.45945	8	4	2	317964.1	1836665	918948.9	1956252	773169.7	604073.4	2057626	1372566	2071796
9.208217	5	3	2	499954.8	1285725	418408.6	1205024	688753.2	1741133	1554541	1449049	836513.7

9.999217	8	5	3	535608.4	959112.5	213912.3	890810.2	637900	1223807	934071.2	938068.1	640039.2
19.95717	6	4	2	39565.16	99868.31	78987.78	89180	72867.54	13225.19	91961.75	121726.2	51754.4
11.43992	7	4	3	75499.66	214371.4	116877.4	197807.5	118792.8	208173.2	136272.5	158254.9	151356.2
9.874317	8	5	3	1625768	5048129	3248550	5465985	2660699	5313612	1862291	4108589	10417563
10.9645	10	5	5	3951222	16345512	4420695	15807703	3084680	20412571	21439794	13033271	11471529
9.379233	14	5	4	1752838	2113214	884795.5	2318733	1840653	2578325	814114.6	1684362	2393803
11.28255	3	0	3	479854.8	4369334	537867.9	4111751	2465821	4543541	4996873	4486658	4295119
9.43325	8	3	4	889368.1	2952581	1380950	3176550	1778830	4449601	3226804	1368033	4038981
9.419733	12	5	5	8297610	44377352	18996144	47012675	18551477	19307129	31635541	65333483	58777064
9.177967	8	4	4	2056700	4480143	848004	4754889	2576298	5128566	4276638	3171989	5318407
9.840617	6	2	4	2614500	5600760	3476017	5055515	4249766	2437730	1896889	9935138	8010196
10.94443	3	0	3	242232.2	568407.8	333453.2	623609.3	444670.1	489662.4	1074660	334067	238694.1
9.3834	10	5	4	1445007	8058131	4036495	7409229	5148199	2567146	5613475	12758542	10602752
9.94455	5	2	3	1435447	2130974	1238666	1972316	1013520	2756509	3724559	2411102	832486.8
31.16217	9	5	4	181831.1	789243.6	219074.1	856062.1	625179	692949.7	1132800	605024.1	637834
9.311883	5	3	2	520360.7	3945446	2075515	3685531	1603880	3126106	1087836	4218549	6771230
25.76683	10	5	5	10317898	62117880	23676663	58870090	22798624	28795054	59428622	62710073	64062997
8.94625	10	5	5	2953141	12650991	5403136	11812200	6550509	11013918	22128870	10977075	8461189
7.571583	7	3	4	7008530	51001705	34232049	46595566	28606942	74833001	11681048	17456961	64431233
32.965	3	0	3	103457.4	395100.7	68791.87	360986.4	329534	467502.7	282144.2	407601	395375
30.18067	10	5	5	4955465	34943352	6698448	33336551	14619666	27282164	36168527	37424767	29664443
40.88467	5	2	3	352524.7	5607117	739199.5	5764495	1397746	5932159	4429022	6044373	6270244
10.9645	10	5	5	3885493	16464708	4585829	15919983	3042114	21017631	21451371	12988770	11425732
9.960467	11	5	5	14496265	39316134	15065264	37175228	15671886	52179733	57591546	36080640	23289002
24.50683	10	5	5	4306537	24676331	10931425	23189067	10434777	10063861	20209040	26476190	26535197
9.842	5	3	2	1292675	1510670	1382618	1733196	1785692	1016427	3980273	881057.7	811426.3
10.008	10	5	5	713935.8	2422390	549990.3	2330484	752494.9	2545679	3222724	2465073	1732445
18.98033	10	5	5	97683.66	669831.2	261901	699921.1	153828	1017436	564711.3	585005.2	343145.2
9.992233	7	3	4	300560.6	480890.6	241502.5	513983.8	234705.9	711233.5	753585.1	428499.3	227388.6
9.0258	5	2	3	301395.2	424211.4	246108.5	461299.4	285867.9	637594.5	578255.5	398305.7	492224.9
10.33355	6	3	3	253609.5	826263.7	363067.4	777009.3	345725.8	830367	1439502	670613.6	494456.3
9.445217	7	4	2	593052.5	3653030	1357243	3446798	1599306	3734957	5687109	2563111	2271108
18.7025	5	5	0	448273.6	2629628	372476.8	2505534	1178689	3152156	2705090	2158152	2414825
9.976317	10	5	5	598207.4	1563614	783400.5	1444934	920193.2	2006524	2591467	1591637	616423.3
9.986767	12	5	5	7078329	27128758	15152115	25446018	7600832	37046906	2581491	22230205	38064688

10.17587	9	3	3	11809328	26927563	29558148	22982288	27267124	6345839	4675007	67676401	6600789
10.9645	7	4	3	325513.1	828962.7	217452.5	860575.5	238154.4	887290.6	1171224	704704.1	604259
9.05635	6	3	3	645745.7	2736103	530192	2893728	1486649	2460465	3116980	3464288	2205770
10.9645	10	5	5	22799084	91140439	26501415	87758715	22098346	1.2E+08	1.18E+08	71531027	62417706
21.827	5	2	3	70285.91	115651.9	80924.87	105212.8	69312.07	235971.1	92582.24	24989.26	73985.2
9.845483	10	5	5	828724.9	3309755	702512.5	3166028	1274558	2720872	3056744	4190270	3917838
10.9645	8	4	4	219816.9	805118.9	229567.4	834135.8	187528.3	1097903	922686	859677.3	582997.1
9.886433	7	3	3	995494.3	1530405	277565.4	1464708	602342.2	1540578	1068667	1641556	1811449
9.999217	10	5	5	1512419	3139577	1259850	3338185	1591639	4010573	4693820	3227995	1821408
9.842	7	5	2	571513	1705499	334490.4	1753946	366196.5	1884148	1860578	1855815	1818319
25.583	4	1	3	361709.7	1632138	429690.4	1562246	570186.2	1208450	2292060	1503565	1353362
10.97242	6	2	4	1165859	1810321	1391335	1618153	1392401	329533.3	411783	2757322	2131946
9.94405	8	3	4	700577.7	1431248	534039	1493570	343595.9	1585187	533136.8	1752206	1400037
9.554967	6	3	3	374785.4	792952.8	381550.4	737250.5	424358.5	580381.5	1356037	358255.8	717640.8
10.95602	7	4	3	269333.3	849017.6	401913.4	790228.5	449458	190327.3	1006788	753616	1162542
9.388367	6	2	4	541977.6	1004276	437898.8	937697.1	523432.5	1176589	1611422	765071.6	1021852
10.2666	6	2	4	142733.3	438458	126778.9	457504.5	148639.7	534392.1	557406.3	336601	271996.8
10.77503	4	1	3	151178.9	280972.7	165321.3	304634.1	178007.7	121459.8	536483	350494.4	192598.6
11.01157	10	5	5	856929.9	4498846	1398612	4666497	994389.2	4370094	5570908	2822729	3527211
10.6411	4	1	3	140565.6	399825.9	100487.9	429291.6	279388.5	472828.3	527844.1	273957.5	360443.6
12.64667	10	5	5	2278273	14947455	2901979	14441719	4283072	18548820	17538422	12825856	12132224
9.041133	5	2	3	677131	2313922	1462546	2092469	1741149	2316648	4738965	1903443	1791128
9.999217	9	4	5	451634.2	858188.9	218271.8	893777	292320.3	1179707	972531.6	751705.6	758838.7
9.999217	10	5	5	1689583	3483615	1707571	3740639	2013070	4456857	5722054	3628709	1646532
41.12917	8	1	4	353581.4	3129268	129604.8	3193550	629857.2	3119804	3039001	3145972	3336953
10.008	8	4	4	300834.6	703116.9	187573.9	670997.4	270304.9	527944	820496	669546	535525.2
10.008	10	5	5	547776.5	1990911	614293.6	2082987	720040.2	1999174	2991613	1940435	1359918
9.94455	8	5	3	688884.4	1259979	193957.6	1300591	365285.5	1395291	1267491	1416719	1287221
10.95602	8	4	4	774376.4	1485634	1430597	1690754	1551100	4013126	546666.5	921991	1165123
9.999217	7	3	4	729259	1353810	568439.5	1444771	741081.8	1160076	1784706	1916333	488613
8.91745	10	5	5	2320641	7946438	3780469	8453399	3595702	9690795	12041822	9908901	5283158
33.25333	5	3	2	106107.3	289164	157678.5	269329.6	129428.8	513504.4	294365.1	74063.31	245053.1
10.9645	10	5	5	3931826	16367298	4549939	15836188	2990136	20861625	21355370	13034381	11328946
8.67205	9	5	4	2215240	35599412	10578098	34252556	8965373	42663725	33270372	28024117	24157896
9.106183	5	2	3	716144.1	1563133	2320046	1290105	1569657	550471.6	58235.98	0	1670756

9.976317	5	3	2	444595.7	697514.9	272180.6	660164.2	272260.7	1129075	740603	635363.8	393059.2
9.842	8	4	4	638409.1	2141984	282549.7	2243677	986600.9	2178072	2413524	2114310	2321656
42.66833	5	2	3	403685.7	6203273	928548.6	6389775	1668228	6002359	6890671	6495022	4685444
9.8445	8	4	4	1818284	6193369	2745030	5779084	3277652	9116674	1923577	5648965	7938751
9.516467	7	3	4	26517434	1.3E+08	30182401	1.41E+08	1.12E+08	1.35E+08	79405284	1.57E+08	1.3E+08
9.5812	10	5	5	1065162	6641024	1459168	6349149	2608781	4135830	7937184	7264971	6923799
9.976317	9	5	4	1391174	4940359	1333477	4754760	1378355	6037626	6309778	4839990	2975045
9.872883	10	5	5	5748962	42101471	1782395	41509310	5726220	42554822	39768734	42643346	44483767
18.379	4	3	1	51375.77	147612.1	53830.64	140822.6	45103.31	213334.9	182360.2	72643.79	142561
9.859983	10	5	5	3908397	21767910	882595.7	22012945	2332299	20957525	22668453	21751097	20824257
9.976317	4	3	1	540903.3	1125842	356032.7	1065220	514655.3	1030262	1157174	887335.8	1721180
9.992233	10	5	5	2939624	9445085	2244445	9090197	2905700	10647011	12137007	10205293	7277789
33.5575	10	5	5	249132.6	1576691	572667.6	1642448	362430.6	2256210	1630537	673793.8	1755140
9.903283	6	4	2	637984.4	1755257	360575.1	1685928	616202.7	2303065	1848883	1390606	1475580
10.31255	5	3	2	110039.5	255296	133946.4	271411.2	99507.7	114930.9	229392.9	200127.5	475176.1
9.840617	9	5	4	1029236	1967684	708095.7	1887965	416689.1	2739090	2719848	1673521	1317441
43.60317	10	5	5	1599735	41355061	8037850	42236186	4169861	45259653	43410117	27100248	44679710
10.2608	10	5	5	317646.7	623751.6	163100	662540.8	362310.1	560442.3	618781.7	457832.1	586870.5
10.00385	10	5	5	476301.6	1423415	226903.7	1354602	663568.6	1605031	1552084	1607816	1171610
9.4468	7	4	3	587515.4	2413538	1204912	2626654	1848922	3824013	3582770	1946972	1369996
9.856867	9	4	5	1303046	5238545	2652252	5575341	2291031	4468783	2438269	8842015	7054606
44.66717	4	3	1	235977.5	2660281	313126.3	2618054	308900.1	2434217	2586768	2401097	3176727
9.952017	5	3	2	2030712	2849681	2364210	3211040	2924703	1366078	1179693	1107659	6381429
22.23367	8	4	4	95108.4	381385.8	186525.1	354459.2	209699.6	253001.6	430373.2	665243.4	376126.8
9.994767	8	4	4	368982.3	774513.7	310879.4	840048.5	600481.2	439856.1	1237186	789604.8	544759.5
9.56645	8	5	3	343618.3	1042624	592518.9	950599.8	753189.9	1949801	1279314	599330.1	488118.2
10.008	5	2	3	378151.6	673263.8	253004.7	725833.9	480925.7	696419	974480.5	857976.6	395534.9
10.97857	10	5	5	419131.3	2556275	853739	2448889	726269.4	2078914	3406552	1579853	2214162
31.98417	7	4	3	259038.3	440526.4	384221.4	526785.8	802785.8	252419.7	1052828	576984.3	113186.9
10.01477	10	5	5	759148.3	2353654	574553.2	2262257	760584.5	2587483	3183688	2363424	1803163
9.979667	10	5	5	912678.8	2323415	841920.8	2187669	1139820	3141840	3113662	2303753	1155984
9.856867	10	5	5	1871868	10629984	3357999	10969785	880131.4	13568690	10704773	7263500	7266173
11.50918	4	3	1	219657.2	923056.4	300437.3	883509.9	285006.4	795974.3	1353430	959068.7	977925.5
9.928667	5	3	2	803230	1416557	824627.9	1534400	918639	1928740	127948.1	1262481	1469170
9.4468	4	4	0	418500.6	1860931	899372.7	2003247	1186822	1870099	1710844	1068812	3364307

10.9645	10	5	5	21934190	1.44E+08	12723231	1.48E+08	43026359	1.55E+08	1.59E+08	1.41E+08	1.3E+08
10.95835	8	3	5	405450.7	1040535	517892.9	976638.4	424508.3	1607597	1576835	693773.4	493104.4
9.431017	13	5	5	1264959	9750324	1813976	9486858	2086320	7640970	10785134	11557761	10816784
10.99268	10	5	5	198157.7	711395.4	229066.3	739171.5	180526	608049.5	483382.4	605459	787953.3
9.9898	10	4	4	3792510	10154020	10042628	8865830	9095661	28114777	5498441	6024988	5518302
9.91875	6	4	2	1329044	1814135	726729.1	1942665	1131490	2112281	644211.8	1617707	2196883
9.94455	10	5	5	4719283	17898595	4546029	17411451	2237656	23495472	20729239	17827331	15770997
31.78217	5	3	2	149640.1	470161.1	279261.1	431505.6	295937	247398	635998.7	108543.9	770166.8
9.640367	19	5	5	2969962	10805944	1703234	11250202	4273013	11826162	13284833	9775727	9964710
9.992233	8	4	4	2294101	3447171	1481018	3170811	2481472	3207413	5740291	3741815	1718914
9.419733	10	4	4	964745.8	3713995	2459591	3984158	1384062	7135434	2147117	3083843	993435.9
9.507167	12	5	5	2217694	14176032	6782704	15367650	10487270	21528388	12581621	8739202	7022253
10.9645	10	5	5	11526783	50791061	13516354	49223322	9391275	64431685	65389780	40753326	35981812
9.952017	7	3	3	898758.3	2153388	1249453	2291807	731616.6	3903853	551286.5	2474522	2366037
24.65217	14	5	5	1266638	5399196	2316355	5131739	1589415	4581321	5793272	3175678	4254090
10.00385	9	5	4	690215.9	964627.1	391827.4	1052419	826023.5	1405590	990791.6	1284686	628968.6
9.887133	4	1	3	749977.1	1344851	467624.5	1267849	661053.1	1054310	1074678	1943291	1749332
10.9645	5	2	3	241286.7	590263.3	227470.4	551927.3	332511.7	869494.3	444997.8	374920.9	460341.7
9.976317	10	5	5	839055.4	2095107	775755.7	1967309	1099371	2531217	2891235	2490250	1508189
44.07783	5	2	3	468832.7	7724441	3420873	7361945	1610420	13693283	6514517	6414936	7013261
9.856867	10	5	5	1.96E+08	1.15E+09	59120552	1.16E+09	1.49E+08	1.24E+09	1.16E+09	1.09E+09	1.1E+09
9.976317	10	5	5	3074694	9616139	2624795	9249915	2850627	12711177	11611918	9792905	7195457
9.762917	8	5	3	1275818	1684315	92638.75	1785111	1030392	1584243	1605983	1767802	1789665
9.992233	8	4	4	1000247	1511225	784505.1	1379608	1145451	1800152	2694945	1355601	645796.2
9.970617	11	5	5	13030835	26445421	14306701	24674955	12132524	42047069	40415136	19772028	21057365
11.10482	9	5	4	7590753	84904088	47658089	79929157	20903605	1.23E+08	1.09E+08	73976923	6253673
9.946467	9	5	4	528633.8	1477153	512831.5	1547778	547151.2	2190355	1662728	1544862	1130400
9.0511	6	3	3	307014.4	562479.6	229175	536915.3	143209.1	667665.9	861169.4	400322.1	276853.7
9.976317	4	3	1	510388.1	864397.8	404532.4	800040.8	551175.4	1320665	1072310	1004835	289241.6
9.46925	5	2	3	385783.3	919181.3	597248.4	983920.7	334186.8	763997.2	1049711	0	1172702
9.983467	5	3	2	849549.1	1064419	811658.1	1163038	667038.3	1610383	2225217	398481.8	496580.9
30.23817	9	4	5	524294.2	6036483	921839.8	6167150	1046530	6787396	5279204	4870331	6295249
9.659033	10	5	5	1602782	4069907	919871.4	3848351	2145534	3612589	3911329	3088621	4193239
10.9645	10	5	5	3570640	16962271	2990254	16547565	3276720	19537054	20703117	14900285	13875102
10.25103	5	2	3	609310.9	1156369	831460.3	1260977	750484.8	2460358	426734.8	493770.6	1412175



9.992233	8	5	3	519638	1093470	316760.6	1157856	604760.8	1295435	1361535	1311117	799024.2
30.27883	10	5	5	4698262	31733451	7297192	30460445	11432712	33760486	41329224	30753426	20970854
9.960467	8	4	4	572999.5	1843223	788411.5	1722604	1021034	2486918	2638431	1640915	661827.1
9.8445	9	5	4	1004494	3462270	792123.5	3332297	1139310	3398186	2456675	3245790	3548330
9.864767	5	3	2	545544.9	1437934	740336.4	1548232	919612.5	988861.8	1044789	1265311	1141797
10.93618	4	3	1	256320	468495.1	112244.2	448168.4	185030.4	662483.2	433472.3	403049	383781.9
9.4468	9	5	4	568795.9	2988448	1432353	2797077	1471542	4693746	3555711	3695243	1359368
11.52297	10	5	5	156158.8	760896.4	268044.5	795237.4	253103	1146699	746580.8	671594.1	407020.7
9.597067	8	4	4	575573	2224204	616425.6	2317007	780805.7	2833623	2557890	2281898	1207541
9.34115	7	4	3	3276224	8249904	14232165	9984360	12018526	2784616	864469.3	33670547	1420225
8.8836	10	5	5	1.09E+08	2.39E+09	3.01E+08	2.46E+09	7.6E+08	2.53E+09	2.74E+09	2.49E+09	2.21E+09
9.999217	10	5	5	1486997	4275939	1522367	4037825	2052000	4802939	6499577	4207942	2462814
37.44517	5	3	2	101389.4	383470	168690.7	401928.8	102274.9	432983.4	87615.03	429621.2	512516.7
10.2456	8	4	4	280652.9	913716.7	396933.2	963021.3	351873.5	951069.9	697621.6	1581881	758229.2
10.211	8	5	3	448457.3	744585.9	324592.2	778687.9	162549.8	514723.9	1129439	430721.8	1057861
9.55155	6	3	3	194952	379586.9	192613.4	352611.3	217333	531547.5	222876.1	558573.8	456074.5
9.976317	5	4	1	437119.5	815435.9	213297.5	853271.8	344304.9	990897.8	781575.9	596979.4	1076768
9.102783	5	2	3	1284650	2585561	2160035	2873215	2226428	2112229	894835.6	1332231	2273077
9.999217	10	5	5	949268	2180256	850937.4	2302034	999777.7	2601220	3201397	2506460	1353409
9.983433	4	1	3	511542	850369.5	362336.5	805892	314427.3	518188.5	1001766	968008	1315563
8.97505	6	3	3	271025.9	554449.1	187125.1	535139.3	85082.01	631844.3	675100.6	509468	707893
9.856867	10	5	5	2.15E+08	1.28E+09	64075492	1.29E+09	1.54E+08	1.38E+09	1.29E+09	1.24E+09	1.21E+09
9.976317	5	3	2	569895.9	728475.8	532955.7	801297.5	577888.5	918932.6	1463348	826256.5	100905
9.999217	10	5	5	2019611	8698822	1289841	8448622	2345627	9794473	10291634	8383271	7478223
9.999217	10	5	5	1364062	3327610	1122056	3108877	2056908	4026652	4780995	3035063	1840943
43.27233	6	4	2	324780.3	5837870	1080365	5575573	2575896	5968539	7568637	4851457	5012876
9.43325	12	5	5	1639101	15921511	5485516	15113190	6796391	16802964	19646769	21595856	13995075
9.3332	5	3	2	405345.1	3129327	719672	3036563	700656.4	2527146	4353021	3071877	2690326
9.023433	10	5	5	363864.7	1392253	333614.1	1458765	630220.7	1377462	1884160	1350354	943841.8
9.992233	10	5	5	1486040	2998398	724986.6	3164669	1620698	3423602	1917252	3810407	3121873
9.523633	9	4	4	1346481	5059341	2778386	4528979	4971615	1313648	4662950	4297707	8940720
10.9645	10	5	5	1316841	6622923	1202673	6464564	1224545	7836277	7998644	5765886	5451646
35.98267	10	5	5	7479771	38529970	27969653	35140590	23783248	24352282	23557846	10950092	79822616
9.976317	10	5	5	1817262	6876127	1538124	7111574	2030706	7621643	9000117	6937754	5190788
10.94208	10	5	5	244656.1	1304668	354257.7	1243826	552534.4	1719932	1606911	1048659	892029.4

28.14183	10	5	5	22130550	1.98E+08	29554698	1.92E+08	57005776	2.1E+08	2.14E+08	1.56E+08	1.81E+08
9.91875	6	4	2	2138718	7035395	3722529	6464428	4939908	7454909	5356859	4096302	4952046
34.422	9	4	5	1257491	8925051	7661030	7864325	8610507	8639673	4566685	22233426	5313149
10.44062	10	5	5	537849.4	2159922	563447.6	2082408	626306.1	1737455	2933260	2590392	1806744
9.9847	6	3	3	246856.3	488632.3	201379.1	516580.8	227449.5	428166.4	192170.3	577636.2	738471.6
9.983433	10	5	5	2180902	5767679	2259907	5390883	3396222	6796004	8929935	5116895	2839592
9.655117	7	4	3	288976.3	918949	386918.8	977164.9	500095.7	936264.2	1494556	974834.3	430834.6
10.95055	10	5	5	768044.4	3333721	905501.9	3232484	621002.6	4204960	4348775	2650429	2345018
18.10767	4	1	3	105305.9	564880.4	127180.8	541994	212335.9	703206.5	553256.7	372870.6	654236.6
9.976317	10	5	5	2103293	6437602	2141918	6113144	2803032	8186184	8921398	6381136	3901224
9.568567	4	3	1	277810.1	655673.4	108974.9	630357.6	249286.4	685132.2	525058.6	804408	688099
9.473733	9	5	4	1033382	7043318	4045435	7609685	4665625	10635526	5385570	9896253	8536218
10.95835	5	1	4	298634.9	534180.8	436522.4	589767.4	421039.9	350289.2	294889.2	236338.2	493146
24.5185	9	5	4	664960.4	2928572	1570812	2731129	1476748	989716	2203557	3062269	3105948
9.992233	9	5	4	915545.4	1675991	643899.7	1603086	465266.5	1733361	2453885	2107881	868279.4
44.98333	7	2	3	287295.7	3831616	2190892	3594003	1366886	3589680	3576473	7166681	3813811
9.992233	8	4	4	463991.6	773090.3	197812.8	724863.2	479745.5	953131.8	994858.4	689704.3	706812.4
9.952017	5	2	3	1219447	1228572	205306.6	1170308	590302.4	1308315	1361931	1273199	1333436
9.40325	8	5	3	421093.9	1415809	461453.7	1493755	712048.4	1541309	1745972	604473.6	1541279
10.9645	10	5	5	1102999	5427500	1195642	5582902	1210179	6609840	6729521	4758709	4005115
43.17183	6	2	4	500534.3	7623395	1356382	7869503	2306711	8566539	6016620	8857878	6288931
9.952017	7	4	3	1697566	4351755	1253499	4541642	1654461	3957633	2566648	5379445	5709808
10.9645	7	4	3	146868.5	438009.5	189250.1	415320.8	161360.7	459221.7	757613.9	288702.3	346435.8
10.95055	6	3	3	707138.1	1894374	720937.9	1992933	805574.5	2887755	2393200	1346653	1201510
9.177967	9	5	4	5896437	8663763	5002767	9689296	9945746	7613254	16380286	10491509	4574705
9.976317	10	5	5	4316257	6998125	3603242	7580885	5260505	9068537	11967393	6648664	3177856
9.701933	5	3	2	519024.3	700442.5	349723	752363.6	449430	1193068	497719.1	543693.4	340597.7
10.5972	9	5	4	74727.63	207159.5	78860.82	199202.1	34776.99	342912.8	187258	171999.7	138891.5
11.1891	9	4	5	221371.1	943417.7	403189.4	1005284	545648.1	1406111	1034055	296552.7	1040869
9.960467	8	4	4	1147582	2950738	1374575	3163809	1890394	2776782	3518739	1830563	4999999
9.9014	7	3	4	947623.1	1938316	789519.3	1845519	645529.1	2413879	2645872	1436178	797026.2
10.95055	10	5	5	384345	1169955	436943.7	1116740	390483.6	1531179	1721492	787415.7	759760.8
9.419733	5	2	3	778146.4	3434063	2164309	3185611	1672026	4870264	1211393	4684073	5445509
11.52312	10	5	5	539749.9	2199270	557849.7	2289782	823862.1	2921138	2625402	1556505	1920913
9.976317	10	5	5	893970.9	2839166	868326.5	2976609	1237876	4118937	2745654	3131873	2407951

10.008	10	5	5	1101074	2737073	1022670	2882858	1242103	3236312	4045180	2989338	1568709
9.103733	10	5	5	1431299	5757639	2247659	6006371	1563919	6523844	7329673	4420902	2530981
10.9645	9	5	4	229620.8	674439.8	236615.6	645151.3	220871.8	925244.8	936295.4	484782.2	559526.4
19.869	8	4	4	164356	427235.4	196225	455176	238182.2	202823.2	577071.6	634618.6	239632.3
9.976317	7	4	3	525513.3	922134.6	199527.4	956070.6	315346.5	1046144	1177071	762894	691077.7
22.9005	10	5	5	751582.9	6704125	1185086	6835329	828236.4	5718612	6155947	6780401	6152572
9.859983	5	3	2	603546.4	1737371	759942.8	1626405	961982.9	1642808	1055983	2076463	2857581
9.848417	9	5	4	1646215	4827413	2565755	5201076	3238020	4262645	4378150	2951157	3263039
28.73967	10	5	5	2707853	16042993	4058575	15226808	7969588	13540684	18510189	10119648	18429814
10.95055	10	5	5	337884.5	1131359	218306.7	1101319	251453	1440833	1221320	850185.7	1053346
40.9995	6	4	2	322126.8	4761897	1082022	4547771	2086664	3762352	3814915	4405146	5974395
10.95055	11	5	5	353219.7	2085341	634197.3	2156599	469349.4	2760861	2673962	1889900	1864650
19.09667	6	3	3	82249.01	227973.5	106993.4	214486.5	104857.1	364682.3	130122.3	321430.5	166196.4
9.3834	6	4	2	651568.6	3256861	1693582	2990460	2413531	2252740	1862606	2600652	3475567
10.95055	10	5	5	774376.4	3516974	1351205	3707876	1632350	5083971	4710949	2672072	1898471
10.01837	10	5	5	483726.3	1380917	247942.6	1440777	605881.2	1308154	1227400	1725552	1535354
13.54892	9	5	4	89243.92	473892	134941.4	493808.5	175158.5	527796.4	425360.1	433234.9	310841
16.53468	10	5	5	116060.7	778227.8	214991.9	753744.9	166660.5	773878	459577.7	834517.1	762262
10.9645	10	5	5	235233.5	933056.7	163412.8	902004.5	301480.2	1119919	1084106	800116.1	758454
9.992233	9	4	5	773742.9	2138421	592748.1	2222120	719951.8	2655823	2079858	2801806	1756886
10.23422	4	3	1	215779.2	581130.7	397065.2	536734.1	294481.4	1180893	676857.7	605711.5	190194.1
10.97857	8	4	4	986030.6	1614418	1087837	1736335	813947.6	1325417	3525956	856164.4	1027982
9.992233	10	5	5	1162379	2713570	1010708	2857072	1242056	3448832	3739136	3113277	1631614
9.960467	10	5	5	3977577	15999136	4305450	15457138	4260332	18754997	21531184	15614841	10536032
9.951283	6	3	3	5611464	7151398	10688118	8412049	9166445	25992010	5561144	1019781	1726177
9.960467	5	3	2	590171.4	854619.7	373634.5	811665.1	301265.9	1193031	818192.2	1278093	485237.7
12.1935	7	5	2	83514.05	330554.7	148764.7	350654.8	168568.8	249147.4	496325.2	240298.4	181427.1
9.983433	10	5	5	1532366	4485805	1581554	4240002	2238964	5212427	6770770	4166190	2624704
9.960817	7	3	4	534944.2	1071181	845949.5	1160744	525967.1	2110562	1483317	1359839	287477.1
9.976317	9	5	4	2627530	6297293	2091911	6014235	2377591	7775958	9066887	5318461	3842648
30.2235	9	4	5	181594.6	824095.3	273324.3	779685	412364.9	1049894	1133952	825019.8	618531.1
9.946467	11	5	5	38138952	89354201	19670809	86400856	26479619	1.14E+08	1.06E+08	73837178	83906928
9.999517	11	5	5	6715113	10417957	5976837	9805130	3245659	18139327	13842335	3090883	10807235
9.445217	6	3	3	294284.7	938567.1	539294.4	1002019	462733.5	869587.1	1774324	1073496	620683.7
10.97242	7	4	3	303912.2	652452.9	109148.4	679475.2	277001.2	552098.6	522995.3	699944.1	712408.7

10.77857	5	3	2	68920.63	171410	45265.83	177642	53131.73	162118.8	211650.7	97668.28	201079.7
6.707283	5	2	3	855405.3	31278794	13309043	29494589	14920518	14793436	42751471	46823921	24010571
20.25983	10	5	5	225956.7	1421615	282013.1	1454585	238517.3	1466683	1769511	1154400	1118166
10.008	10	5	5	1193829	1246807	890446.9	1344539	632264.1	805210	2835339	775515.6	871717.7
14.1514	10	5	5	80967.26	484062.7	189912.9	458842.6	209648.5	628450.9	468528.9	314385.9	288192.7
9.295167	5	3	2	5999965	16699666	21669130	19352086	20421956	42808858	681979.3	1213551	37911533
9.840617	7	3	4	4298345	12965105	13816056	11386123	11084509	25780929	2915398	2807736	30221782
9.103733	10	5	5	710109.6	5634810	2959547	5247130	3194624	6742519	9399162	6180452	4453186
10.95835	10	5	5	417908.2	1150528	302550.2	1196163	412287.5	1504053	1375359	909735.2	787244.7
9.915583	10	5	5	1282814	4203204	1382004	4040685	1192965	2974921	2746327	5404124	5801150
9.568567	12	4	4	898451.8	3592035	2281048	3981914	3709828	2100704	3600586	873904.4	6782563
9.473717	5	4	1	2723307	3081630	4471677	3529020	2166405	11067468	1026224	793665	1018828
10.98385	7	4	3	1461757	2526165	4211293	3010773	3449979	10056526	697870.7	447768.6	660788.3
10.96015	6	4	2	473010.7	1093712	449188	1033297	509956.4	760600.1	1634929	970442.2	612883.4
9.3471	5	3	2	1445055	4392379	4243735	4915245	4079404	959140.7	707368.8	9198155	8781377
9.864767	10	5	5	6396423	42151572	1998575	41402232	7983061	42576199	39533161	40841752	44640795
9.498117	13	5	4	3711597	12827656	7300724	11941093	6814895	11667184	14760180	1003648	20256386
9.365833	4	3	1	510112.9	3508149	1792998	3714357	1475515	5174864	3781416	5023325	2713825
9.999217	10	5	5	2815111	6175835	2149183	5818520	3380015	7666061	8814735	6219720	3549673
10.43932	7	3	4	203525.4	641082.4	103802.7	621148.1	196961.6	775016.3	578505.6	566926.7	553760.6
40.4675	7	3	2	321776.5	4804241	1884801	4478597	3125064	3301710	4512399	8016411	4616887
30.28133	10	5	5	1001249	5273304	839121.9	5470947	2029290	5948624	6195856	5218421	4104366
38.971	13	3	5	303909.3	3589025	501527.4	3671859	783466	3324372	4046644	4087505	3589084
28.78067	4	3	1	74632.77	323706.5	186989.6	300778.4	179347.9	250876.1	457532.2	59198.68	311502.9
9.976317	9	4	5	620347.3	1673722	503286.6	1600491	654977.3	2019174	2294622	1711912	1205538
10.9645	10	5	5	784070.2	3065181	774303.4	3192549	1204459	3910455	3861779	2543771	2231511
9.856867	10	5	5	3373490	14169319	1123421	13846467	3394140	15516552	14738171	13175529	14573256
9.8322	9	5	4	904205.8	2706301	846391.8	2584197	1087232	2577557	3157425	1598435	2354207
29.84833	10	5	5	3838851	31398329	4695462	32048548	5648780	30453245	31664005	25534878	30704841
10.50278	11	4	5	407860.8	1507186	394848.6	1576609	671928.2	1391024	1296192	1776419	1040442
9.071517	8	5	3	115905.9	209939	138586.1	227557.7	143380.1	139974.5	402658.3	309737.6	104316.4
11.31857	6	4	2	4091731	3938440	5487851	5006004	10622284	855998.8	1169052	3579020	568103.6
7.734267	12	5	5	2495178	1.68E+08	1.05E+08	1.52E+08	1.35E+08	2.99E+08	50282762	1.59E+08	2.45E+08
10.94443	7	3	4	386811	1075848	774045.1	1168654	711036	2108622	1281977	1374142	215045.8
12.26695	10	5	5	1994111	14665663	2492601	14993244	2753787	17284158	16688626	13160820	11264378

9.55155	3	0	3	436326.9	258911.1	209986.4	287079.3	240724.1	609772.5	87476.47	108742.5	265553.7
9.46265	4	1	3	1553622	2639090	1037210	2806257	1577541	3251114	2023995	2723337	3928899
9.4468	10	4	4	1225876	5423474	3339012	4988995	3631054	3898833	5905603	11023091	2757817
9.392767	7	4	3	397584.2	829126.1	503462.3	766440.2	503505.4	1160223	1219324	0	711645.1
10.5677	3	3	0	124313.2	361034.6	103183.4	350083.6	68455.41	372785.9	379045.2	505840.5	219349.3
9.616167	8	4	4	406199.5	993821.2	210177	955562.9	376347.6	758658.7	1132372	1056348	789832.9
9.56645	16	5	5	23110714	1.99E+08	50262755	1.93E+08	58057186	1.75E+08	2.47E+08	2.6E+08	1.62E+08
9.249433	5	3	2	2986534	12726102	13483790	11308360	8695900	1117550	20212835	32903954	4252575
9.701933	4	3	1	300674.7	591368.7	144031.5	631153.2	419933.2	731815.5	460808.1	663003.4	413213.6
10.008	9	5	4	314351.3	857324.4	254818.9	817746.5	369416.4	1006593	1067696	1052837	558879.7
10.03947	9	5	4	464457.5	945786.4	288813.4	889545.7	563643.9	580463	1118206	862351.2	833636.2
9.445217	5	3	2	656466.6	2720871	672335.4	2571506	1535144	3199115	1913710	2841942	2157091
29.84833	10	5	5	203539.3	1518219	190530.2	1494224	195862.9	1587029	1539291	1253399	1440466
10.9645	10	5	5	209455.9	814318.4	314449.3	847514.3	206372.9	1159695	1157676	576073.3	581898.6
30.296	6	3	3	584745.4	3659695	3801131	3208351	3458514	7876181	807953.2	753675.4	7765784
9.856867	10	5	5	909810.9	4206784	243570.9	4275728	729971.4	3923066	4399813	4433782	4309997
9.992233	10	5	5	1850030	6129857	1470001	5926563	1786721	7354262	7103941	7139594	4647547
16.02333	6	3	3	143420.8	742040.9	702319.2	831526.7	739558.6	382223	191396.9	1432444	1572994
9.498117	4	1	3	2534695	8899694	5477828	8266299	4697490	12155927	7546299	7732834	1252994
10.02372	4	3	1	857763.7	1338442	766969.1	1436522	813810.2	821561.9	717718.3	2014213	815304.4
10.90802	5	2	3	170694.4	634399.7	258659.5	600962.1	280415.5	423851.4	1014601	456412.2	485235.7
30.29833	10	5	5	282645.8	1326825	277675.8	1393073	689691.7	1629515	1378062	1519262	935575.3
12.1789	5	1	4	577982.8	5638287	728676.5	5853307	2289317	6515191	5620927	4706268	5182929
9.994767	10	5	5	1828699	2956634	1330174	3157911	1865272	3681022	4761873	2895295	1373315
9.972483	10	5	5	1420657	4180885	1530676	3986784	1603941	5544483	5880673	4118269	2438674
9.992233	10	5	5	1604857	3312033	504399.6	3467524	1663375	3178560	3166090	3979496	3596426
9.0258	10	5	5	1239342	13455415	4315271	12820199	5817904	13807739	19020393	12349477	7138504
9.9677	10	5	5	2943316	7885991	3209364	7476394	3410959	10495509	11873154	7220747	4440942
44.72467	4	4	0	321485	5311097	1520809	5172984	191101.7	5407384	5752599	2898879	7106129
9.460217	7	4	3	1251604	4907783	1613464	4639358	2590663	6396493	6325908	5290507	3823648
9.856867	10	5	5	1074033	4390998	319469.7	4495757	1127609	4658828	4699662	3944428	4455208
8.48665	6	3	3	809932.1	24726098	9380180	26060524	12035461	9818675	29339176	24401246	24939118
9.8322	5	3	2	6756275	8479867	7107242	9581163	10367406	3662650	3733885	16632145	15851161
10.9645	10	5	5	340818.8	1417150	471622	1373057	149393.9	1763360	1851500	1376696	656153.8
9.842	7	3	4	731027.9	1600899	446700.2	1517227	841062.3	1242465	1621832	2358296	1329938

9.392767	15	5	5	40201056	2.03E+08	1.15E+08	1.93E+08	37068716	4.02E+08	1.82E+08	1.05E+08	1.59E+08
9.379233	6	4	2	660395.5	1022044	789456.1	1133816	1014781	1279086	700601	0	978402.9
43.071	11	3	4	368515.1	5452689	925869.7	5576466	1084199	6758238	5325501	5898868	4332474
10.96997	9	4	5	440102.3	850595.9	412826.6	926473.7	761662.9	918232.1	1407166	566035	1018932
35.949	6	3	3	157592.7	1181615	312869.4	1219260	300922.6	1008917	1486021	1389562	1301733
18.96567	9	5	4	422260.3	2350328	451400.4	2295092	449973.7	2598957	2318094	2855196	1645319
10.008	10	5	5	1054609	2267917	835372.4	2136547	1256810	2745590	3239771	2519059	1183591
10.95055	9	4	5	482273.4	1103817	614269.8	1036535	473289	1758360	1750048	681347.4	442091.4
31.15217	10	5	5	43663.06	210461.1	55241.69	201175.5	91105.35	167731	194959.1	189324.5	192944.3
9.758367	4	1	3	328268.8	594178.5	240999.9	649141.4	577526.6	976140.3	355501.6	508733.9	464043.7
9.40325	6	3	3	15078021	85102626	1.03E+08	73376555	88721029	2.17E+08	3996232	11175807	18193991
21.55783	6	3	1	10661777	69690734	55968388	63795419	38604563	69959808	1.66E+08	47643306	25530056
10.44215	9	5	4	338930.2	1611253	651027.6	1542025	463400	1585103	2443084	2064468	1031349
10.95835	6	2	4	260853.7	445437.1	310642	481120	272370.4	811475	739580.3	164339.8	170391.5
9.445217	11	4	5	596985.7	6199335	1438903	6407295	1925087	4876781	6933962	7374401	4415834
44.43717	5	2	3	284924.5	4362480	1050602	4160192	2068421	4026399	4148163	4135087	3354594
9.896717	7	3	3	1214485	3412793	1356603	3252531	1272067	1998572	2579007	2762195	5007086
9.992233	8	4	4	379263.8	1029203	332320.7	965195.8	655416.5	969530	1592990	967581	711432.3
9.857683	5	2	3	1108492	2619382	793820.5	2519898	838982	2745902	1735147	3229703	3511421
28.14217	9	5	4	312720.4	1556321	319834.7	1604996	463219.8	1770105	1726702	1082201	1371507
9.983433	10	5	5	2806142	8817109	3202993	9233813	3629141	10355439	13273009	8895374	5349912
10.33625	9	4	5	261246.2	846716.4	172025.2	866592	154200.9	1104498	878810.2	628799	830890.2
21.42167	6	3	3	141185.4	538591.6	211571.4	570770.7	307153.7	889359.9	364113.7	540043.1	519615.9
44.71033	8	3	2	458292	6847395	3507861	7163386	715120.8	7491370	1309383	7141507	11079963
13.53678	8	3	5	89349.37	489231.5	98031.28	474389.4	141502.9	352809.4	538011.2	546692.7	421578.9
9.089733	9	5	4	942594.3	1682977	890747	1777311	638211.6	2494951	2249438	632408.2	799287.7
9.40615	8	5	2	681513.8	2166658	165900.1	2325526	1788523	2153523	2318822	2099569	2330284
9.992233	7	3	4	372550.9	723010.1	385666	772634.6	431119.3	703830.6	1304112	700498.9	217807.8
40.76933	4	0	3	314808.4	4585928	196895.8	4760964	1969597	4584999	4876719	4433369	4379778
9.979667	6	3	3	1736900	3436928	3538225	3824192	2798028	8001855	402853.9	1301657	974183.9
10.9645	8	5	3	460678	1303915	179838.5	1358718	599057.1	1489086	1453777	1119499	1111841
9.421167	7	3	3	383106.8	1677789	1141707	1559953	756859.7	749400.9	995788.9	3044852	2796570
9.41815	7	3	3	2774552	11430595	13315439	9926384	11483047	857818.1	2769886	1781678	28343030
9.311883	7	4	2	339943.3	1405258	320801.6	1511967	1176235	1683123	1287492	922283.4	1434055
10.008	5	3	2	863081.9	1332797	1040739	1451480	918473.7	577327.6	631062.7	518725.9	2585334

9.438833	9	4	4	508798.2	3372833	1550500	3620169	2425506	913886.1	2754699	4383655	4281005
9.3332	5	3	2	654818.9	2039280	1299828	1892546	1122156	2290333	1325964	1430278	956013.9
9.951283	10	5	4	856815.2	1041257	228371.6	977187.8	698649.4	1291266	1288553	881094.9	907836.6
9.45945	6	3	3	707062.7	2932008	1043555	3158852	2401301	3921139	3293648	1958345	1688054
10.86275	3	0	3	179997.7	337637.2	129266.9	324015.7	93096.04	308381.8	352971.7	150078.8	366705.4
8.936617	6	3	3	190985	647587.3	246785.9	680762.9	300524.2	227681	865953.3	675816.2	777791
9.94455	10	5	4	1498843	5761674	3406425	6092611	1796513	4069339	3762673	9081105	9720366
9.77355	7	3	4	692043.4	1344887	375762.9	1284621	596265.9	1489888	1362372	1161826	850330.2
30.31267	9	5	4	199351.8	822203.1	288952.3	773332.3	492092.1	1010672	1116157	865641.1	369677.3
42.12167	5	2	3	341894.8	5780347	830512.5	5901173	1150356	5816021	6060998	4350378	6253337
18.04767	4	3	1	5221118	51237021	31060993	54135485	12838538	72425248	75943371	43678403	63753745
41.10033	5	1	3	265858.1	4050865	1098440	4182482	1094977	2122889	4397551	4884562	4509823
9.664767	10	5	5	36534728	1.04E+08	31291854	1.09E+08	52061755	1.13E+08	1.2E+08	61793365	83079447
9.994767	9	5	4	1402187	3793874	1106084	3611370	1828245	4271140	5252177	3212285	2315517
9.508883	7	3	4	1561400	8506080	3658612	7781155	7616990	3377237	10946433	12902329	7154110
20.24533	7	2	5	38383.35	159532.7	107915.6	170371.3	67554.46	321743.5	90854.9	155508.9	38844.1
10.008	10	5	5	997046.6	2224782	945970	2345431	1066513	2776824	3263245	2635478	1111913
18.81983	10	5	5	96317.96	374394.8	164616.9	356604.5	130312.3	628603.3	359130.6	186097.5	290755.1
9.992233	10	5	5	382673.4	1014267	190332.5	976943	392090.6	1126840	1249942	1046505	783610
9.283817	5	2	3	331378.7	1313069	747892.5	1193089	1194998	2186233	1911228	1334468	602757.2
44.37983	9	3	2	446836.4	6197384	771245.4	6120582	467277.6	7459372	6205708	5417561	6122696
9.932567	5	3	2	1.48E+08	3.71E+08	5.09E+08	4.29E+08	4.47E+08	8.46E+08	596839.3	3160823	1334673
21.63717	6	4	2	196986.8	977623.6	505821.8	919262	469184.4	494249.3	1266657	793559.8	618757.8
11.52297	10	5	5	148475.2	873054	140148	895053.7	217451.3	1078848	955647.7	754398.9	766864
10.9645	10	5	5	2366797	12230029	2789779	11912275	2516220	13536636	16177422	10180140	9126787
9.842	9	4	5	2046351	5408202	2807935	5025892	3537447	6499592	6503812	2133084	2966622
10.90012	5	4	1	258245.6	621988.6	259020.6	651263.3	230363.5	533641.9	1032984	361933.9	485675.1
8.981583	10	5	5	785616.4	1682366	874173.1	1598525	448433.1	2242365	2540957	1603664	270097
11.287	7	4	3	229386.3	520885.5	436032.1	474496	332943.7	369318.1	234798.1	1294854	359693.9
20.93283	6	4	2	229884.3	2292977	612407.4	2415854	1302167	2560979	2158470	2156504	1460312
8.8977	8	4	4	542055.7	3331713	549165.1	3443684	1190357	3573730	4139800	3231798	2985735
9.3919	8	4	3	575646.9	3456569	1518087	3727649	2804596	3323721	5008584	3902544	4081832
9.842	4	3	1	1861580	4991191	1506660	5170700	1511479	5404916	2783990	6965534	4652965
9.328967	7	3	4	1059786	3584766	2238314	3327301	2091536	2897783	822665.2	6632720	4918595
9.975217	10	5	5	3308411	8264434	1517592	8653325	4278802	10052601	8498337	9246691	7253321

10.95602	7	4	3	292850.9	915619.9	196191.2	861076.7	604952.8	761751.3	722345.7	897263.3	984787.4
12.64525	5	4	1	20490.63	64433.36	25853.53	67050.74	17144	77062.51	99467.46	54384.44	30161.14
9.992233	10	5	5	798643	2249152	553142.8	2161451	878828.2	3002974	2205077	2579857	1767915
9.91765	4	1	3	787361.6	1194897	735245.4	1096545	909988.8	1938567	0	1126778	1309622
9.4925	8	5	3	547519.1	1046803	340417	995562.1	504079.8	1225318	1480740	1064521	880869.3
11.52312	10	5	5	327963.1	1324969	599492.6	1390445	499052.3	2194952	1252194	573231	1068508
9.928667	9	5	4	1706072	3099644	632543.2	3274090	1936869	2679585	3795973	2870702	2410552
9.992233	9	4	5	1142068	2050158	1069533	2241555	1991448	1970659	1767105	2030484	3727160
9.848417	9	5	4	1233467	6530402	2385816	6280299	1779764	6185737	4450664	4122732	9599512
11.6216	8	5	3	134264.2	544533.2	275656.9	518459.5	136257.8	853612.7	739164.6	566487.4	155424
9.41815	4	3	1	429451.4	1518183	672930	1604736	782723.3	1201821	726950.9	2206522	1216192
9.999217	7	3	4	767339.8	1022906	507624.7	965103	467265.7	1660082	1126152	780127.4	1238473
9.9677	10	5	5	830776.6	2969104	850806.4	2862608	944489	3328380	4185713	2983426	2069879
10.96278	4	1	3	840592.8	1643859	615744.5	1794093	1650662	1829819	2485202	1548312	1584747
10.03947	7	4	2	22880088	29861734	29518978	32761582	17723792	10557547	22212224	17481299	82143608
9.887133	6	3	3	1362657	4449215	1713077	4216808	2183790	5277576	2459408	5594512	6157464
9.1932	11	5	5	1992462	9744258	1892903	10038685	2951846	9098692	13059680	9176872	9135416
22.757	3	3	0	51101.64	190217.6	106217	203590.1	119832.8	112119.5	300706.5	114343.2	111662.8
9.976317	7	3	4	651149.1	1107925	229860.3	1053326	600862.7	1059251	1006753	1483527	1121889
31.36467	8	4	4	1947702	10183589	6562093	9456579	5741354	6069530	10127967	1607038	16044228
9.979667	10	5	5	549607.4	1505914	619176.3	1423551	768694.6	1997395	2214446	1533629	758781.9
9.992233	8	4	4	363175.8	801530.5	361293.9	849870.7	453830.1	1030996	1248775	804329.7	322894.1
9.999217	10	5	5	870815.5	2543300	566224.5	2630662	878069	2817711	2781838	3213122	1984350
9.994767	4	3	1	1266158	1545137	1054365	1428766	920739.3	2210274	2925182	1535363	408542.9
9.999217	11	5	5	420605.2	958848.6	229601.4	1003197	475295.8	1081091	1240324	938670.7	620898.3
9.859983	10	5	5	3009165	18088964	1889129	17754736	3513207	17192231	15534754	19424230	20356374
9.960467	10	5	5	4103994	15951794	4382810	15445439	4257276	18768161	21612133	15477845	10430866
10.70315	4	1	3	96932.65	196389.3	57603.78	204126.4	73274.23	192852.7	289391.4	189858.9	178681.9
22.8715	9	5	4	726408.3	4003050	909230.8	3916114	504427.4	5415402	4420101	3473298	3272771
24.33217	10	5	5	6601942	59367554	9918196	58294901	8316042	51973584	68629566	53095014	51470739
9.952017	10	5	5	1011643	3466122	950321	3357727	901856.2	4717530	4164047	3105334	2382529
11.66097	9	5	4	256620.5	1151741	292365.8	1195511	438237.1	1322116	1445905	1266971	711845.1
9.830833	6	3	3	1144234	2265827	539557.3	2122671	1608811	2494010	2274171	1785834	1734750
9.445217	9	4	4	777713.8	5676590	2522794	5992242	2864344	5940149	6160452	4907553	9191876
36.6265	7	4	3	120302.3	580991.9	185078.7	604770.5	220067.3	832292.9	348124.6	673064.7	475469.8



37.64717	4	1	3	438400.3	3727774	251928.3	3918239	2224479	3601008	4160327	3713332	3518658
9.4468	8	4	4	971231.8	3160313	942779.5	3367925	2288588	2957332	3581417	4282923	1722559
42.66833	5	1	3	276511.7	4798384	1021114	4626152	1800636	2979367	5203359	5184367	5211333
10.9645	10	5	5	2888411	14530316	3110918	14912773	3435487	17465852	18183753	12299206	11285333
8.981583	10	5	5	2406009	8690525	3134952	8362624	2434602	9966467	12806552	9559181	6001641
9.960467	10	5	5	765900.7	2565594	394201.1	2507063	587433.2	3067948	2608650	2806251	2188305
42.04983	10	3	4	325616.4	4600188	1450628	4875637	2972436	2722133	3927005	5525595	6475879
9.999217	10	5	5	795368.4	2461548	670046.1	2375511	802216	2747660	3415143	2447908	1685976
10.93618	6	3	3	212801.6	565110	331920.1	527985.3	306158.1	1076971	596369.3	407244.7	174274.9
15.43927	8	4	4	180005.9	665813.7	853388.2	573698.5	725430.6	299101.6	2190284	351542	237089.3
11.52297	9	5	4	56187.09	146641.1	36126.78	142561.2	34052.12	202397.6	160348.1	109166.4	128657.5
10.11782	9	5	4	225204	626032.6	156566.4	599154.9	283924.8	760887.3	496628.8	825782.2	556353.1
9.536783	5	3	2	338620.7	724854.6	267508.2	670231.2	598612.1	934119.7	721833.6	1038803	530246.2
9.43325	8	3	5	2032137	11936964	5311063	11326423	5202999	17578196	9397738	17660382	8719415
20.40217	4	3	1	117003.5	720748.1	351449.4	771147.7	501033.7	907917.2	870906.5	930244.8	98703.18
9.992233	10	5	5	1122148	2753517	1021670	2887472	1271184	3405578	3828137	3210864	1638222
9.8445	9	5	4	943399.8	4093152	567606	4150244	398751.6	4681633	4448886	3308164	3707788
9.960817	10	5	5	4500161	15010469	3442710	14504149	5093946	13813055	20987984	13438756	12260116
44.32217	4	1	3	414990.9	4486045	310778.1	4588023	1174458	4972663	4358768	4162907	4586817
30.16817	10	5	5	1261616	6461282	1295584	6779968	3590815	4456199	6429176	7562700	6207430
10.23422	10	5	4	633968.8	1160538	503432	1244684	885706.9	1426835	1799672	1157030	456967.3
9.93625	8	4	4	996287.1	2753158	922931.1	2650829	841840.1	2808722	1648065	2527616	4202826
43.40167	6	2	3	598196	5306765	2409746	5549112	1699633	6287336	2562131	2883295	7185996
15.21017	8	4	4	114349	480188.2	117734.3	505745.9	283806.3	500929.7	398254	549244.3	328773.7
9.82645	5	3	2	1204711	1196402	274311.6	1305258	1265710	1154641	1127599	1437471	1468699
9.976317	9	5	4	1212602	3557997	1082344	3738249	1896791	4514328	4632578	3786183	2508289
10.9645	10	5	5	921152.1	4566306	1030744	4685379	1026764	5637799	5621915	3914709	3341631
10.95055	10	5	5	783554	4919887	1308884	4783411	1028744	6379964	5903158	3717466	3422412
9.431017	5	3	2	1259715	3229618	1682555	3031429	1742056	1426161	2165190	3053535	5818050
24.79717	7	3	4	110088.4	529818.2	92436.09	517528.6	118058.5	382366.4	592527.9	523817.8	528552.3
41.6185	8	4	4	565994.2	7581215	215460.8	7501996	919031.6	7490652	7482801	7491297	7474869
9.896717	10	5	5	7228544	64051520	8166591	62903277	11361333	66887529	68220604	49759182	65401049
9.960467	6	4	2	2186987	4110640	1784981	3859973	2479846	5788464	6210241	3540629	2344837
10.95835	10	5	5	388219	1678865	331869.7	1716782	323912.7	2122912	1946059	1471848	1395112
9.270733	7	4	2	1706927	5659159	3050028	6137092	4945717	5288781	10141207	6942047	2334053

9.541433	8	4	4	2038813	5739232	2784058	5375242	3468896	5991493	7823765	7981401	5803919
20.51933	3	3	0	40897.85	112338.2	42593.94	116296.3	21974.93	86517.88	169970.3	75841.64	83649.44
10.9645	10	5	5	4325657	19686749	3589570	20255766	5917480	24211303	22631509	17747740	15628352
9.976317	10	5	5	1218949	4956720	958683.9	5093966	1372874	5504596	5922179	5451891	3650991
9.36515	8	4	4	965050.3	5249996	2368658	4934012	3053827	2308407	4537821	4057344	7913765
10.51392	10	5	5	661915.1	2039137	631422.6	1970333	558313.2	1787134	3096452	2127859	1538087
8.8836	10	5	5	244554.8	5066957	730761.1	5203295	1481424	5228711	6056986	5279228	4662728
44.30767	6	3	3	652855.2	5505966	2961596	5162072	3002317	2505562	8529479	4411586	3287633
35.93467	10	5	5	1745581	13994771	5380741	13400838	4908887	18530695	11556321	6531177	19775087
10.9645	10	5	5	190467.8	799690	273707.5	769513.2	249129.3	1116550	1073673	664351.6	604625.9
9.999217	10	5	5	878472.3	1986769	547584.7	2063591	765624.5	2637305	2331269	2121341	1448428
10.92828	9	5	4	221975.9	934916.2	352589.7	903001.4	160371.9	987426.4	817769.1	672611.6	674979.4
10.008	8	4	4	812867.2	1194270	1022483	1094239	674961.3	690856.4	1209779	766956.3	2941609
9.840617	7	4	3	2472096	3987553	5877751	4510262	2348345	1088410	921560.5	14471431	2092363
9.388367	7	3	4	760860	803671	344454.9	858412.8	573930.8	1002549	952554.7	225464.9	757642.9
23.52283	3	0	3	1781303	5254456	176695.1	5803975	6553742	5193736	5385612	5135133	5068468
10.95055	10	5	5	234111.5	912307.7	230650.8	883500	269365.4	990313.9	1011196	670389.6	1205872
10.9645	10	5	5	404095.6	1718536	613015.3	1657602	428572.6	2347006	2371958	1300871	1544619
9.8207	4	3	1	601402.8	586078.8	336969.4	651362.4	718900.2	816382.2	796419.1	874634.4	283852
9.601917	8	4	4	2047413	11829568	3485737	11222892	6529598	13346754	8222059	13868470	15671495
17.07417	10	5	5	223113.7	1324570	303021.3	1293212	238781.5	1802187	963734.1	1274862	1244951
10.96997	8	4	4	478616.2	1549789	598996.2	1619866	622112.9	2596502	1199720	1260325	1504856
19.4915	4	3	1	87357.53	358680.7	96596.11	380292.6	243918.5	446923.4	276371.5	233590.9	415513.7
9.928667	8	5	3	2304820	4832612	365648.2	4757129	842490.3	5293154	4597725	4543081	4563173
9.842	9	5	4	1095348	3847454	1238636	3701149	1316290	4362299	4169807	2394296	2838900
9.979667	5	3	2	1002397	1669930	1236864	1553182	722507.5	3531212	632458.6	854410.8	989950.5
18.05667	5	2	3	36117.83	105682.5	40538.54	110806.4	48622.09	151745	129976.7	68698.48	57876.65
9.960467	6	3	3	968081.8	2391317	223051.9	2293151	1159955	2402208	2097984	2620890	2589135
10.93618	5	2	3	113456.2	287119.8	184968.4	305881.5	139208.2	461988.2	495568.8	102140	121104.6
13.71188	7	4	3	70281.3	248932.8	66448.48	258569.4	98368.55	302995.8	323151.4	195002	169580.2
9.26025	8	4	4	997940.9	3004027	258974.5	3057090	593254.8	2603263	2963307	3189740	2992623
22.18533	6	3	3	403106.3	2321608	390416.1	2387148	703393.1	1916975	2603093	2037770	2206235
9.830833	8	4	4	4054480	2537403	2334441	2328170	1047193	1124847	6616813	1129739	1467775
9.992233	5	3	2	1563148	2443509	2311546	2670593	1593337	788766.5	1086608	433862.2	4681886
10.9645	10	5	5	4619786	19542286	5383042	19014403	3696202	24886145	25456068	15676652	13597404

30.28117	10	5	5	477684.9	2832470	679341.5	2727706	1100482	3142664	3650797	2910814	1813261
9.992233	10	5	5	661344.1	1921638	767933.6	2018410	926101.4	2166736	3044306	1966594	1076500
11.147	10	5	5	276934.8	991097.7	164809.7	961647.1	323003.4	933637.8	1225255	857000.4	1095552
24.21817	9	4	5	599080	1648294	1476208	1458038	1847529	2087974	80002.16	872685.9	1249605
10.9645	10	5	5	5805116	26055440	5714013	26758352	6623513	31727356	32584465	22454216	20044644
10.23515	8	4	4	575423.9	1457336	483468.2	1403649	462514.1	1389147	1820708	1278420	782960.2
24.39067	4	3	1	93463.14	510229.9	86828.96	496945.7	139928.4	568701.3	394458	439003.8	575568.3
10.008	10	5	5	1903999	3053516	1721535	3270067	2079579	2157125	5932022	3292239	1594985
9.952017	10	5	5	6997589	26484275	6258037	25805102	5714486	30960514	34308019	21203419	19592188
9.678733	6	3	3	443458.4	1128503	359776.2	1084854	409145.4	889680.8	1227041	1708361	1004006
9.23865	5	2	3	323238.5	750290.4	203672.6	717340.7	353762	1069261	737586.1	789079.5	539094.4
9.999217	9	5	4	980744.4	1305174	616537.2	1243289	462913.9	2015463	881397.4	1846370	1208284
30.26733	8	4	4	157185.7	932165.9	278858.2	974063.3	439636.2	1014785	1369401	640691.9	786261.4
10.9645	10	5	5	372570.1	1614771	383124.4	1656411	352932.6	2078808	1978924	1416572	1272629
9.4468	8	4	4	381978.4	2477634	772389.4	2399857	589367.9	2318696	2939735	2787068	3136776
24.3255	10	5	5	1013351	7675043	1637770	7509765	1257482	6419642	9256396	6744761	6303228
9.976317	15	5	5	661264.8	2344854	837089.1	2446165	952797.8	3114212	1043506	2219504	2295572
9.9847	4	3	1	1267381	1245188	1367561	1384232	1075964	3661130	591706.9	833420.3	829970
9.4468	6	3	3	10051467	45113266	56176928	39160084	49216600	1.1E+08	4632653	2270876	1.03E+08
17.60283	10	5	5	212341	1297921	181769.7	1256211	481606.2	1566275	1275850	1231477	1068227
10.95835	10	5	5	235448.7	816966.2	362497.2	853721.5	285220.5	1210409	1060570	737485.6	811788.9
10.008	7	3	3	1499368	1824274	1568073	2002417	1599648	567034.2	856154.1	3867808	3165175
10.9645	10	5	5	241770.3	1091764	112047.9	1125063	393586.4	1144350	1244171	1063321	940911.3
9.445217	8	3	5	437323.9	2666324	1049413	2844189	1950830	2543581	4421752	2344013	2427100
10.95835	10	5	5	323623.7	1165808	308540.9	1133546	263298.3	1334810	1625292	877041.6	998321
35.59933	9	4	5	482020.4	3678835	1535650	3505244	1553638	5251220	3041024	1598872	5137949
43.47383	5	4	1	323464.7	4204317	1054472	4349653	1486735	3567704	4001703	5098479	5441814
34.177	10	5	5	913780.8	9144129	5311967	8532365	5572488	17747108	8235464	4115936	9955156
9.915583	5	2	3	2015857	3641174	1907464	3447168	1518346	4887398	289905.4	4470617	3912882
14.32588	6	4	2	81346.77	576375.1	181066.8	596424.3	176038.5	750151.6	676558.7	334094.3	434631
33.48483	10	5	5	362187.5	2345398	684982.8	2265596	736298.7	3131037	2266420	1270500	2652264
9.9351	4	3	1	661403.4	599434.6	550008.5	535254.9	593566.5	297346	1475547	809194.2	212511.4
29.675	5	3	2	181440	911292.8	419055	865793.1	392177.3	231685.2	1106828	848186.5	1028928
9.992233	5	3	2	1490796	1917386	1388507	2117501	2094166	634867.7	819845.5	1761137	2285117
44.696	5	3	1	283330.8	2503618	1208659	2612570	623873.7	2438106	2316203	971341.6	2431166

10.07098	10	5	5	416749.2	989963.1	165642.5	967881.8	223258.9	769744.8	969403.5	1233234	1017415
18.746	6	3	3	368540.3	795859.2	1079171	898971.7	717860.7	265376.5	217044	111196.8	2683821
9.431017	12	4	4	1366862	8640874	1213179	8095684	6596123	8139408	9686256	10168877	7780554
10.95835	7	3	4	415847.3	979282.2	562705	917547.5	542406.5	1620500	1556551	575572.7	455198.4
10.95055	8	3	5	324929.9	930328	387269.2	884676.9	428820.1	1391112	1267011	555467.7	868044.3
26.56417	7	4	3	102860.8	338374.4	99860.68	328238.7	80327.47	314794.9	488059.2	247864.3	256931.2
10.95055	5	2	3	331985.3	578276.5	250415	608371	287057	772068.5	840843.7	274755.4	359503.9
9.3919	6	3	2	1225925	4569187	2120037	4302362	2625797	7617378	5715747	2668146	2671448
9.8374	7	4	3	683687.2	2185360	785383	2310039	1355816	2426554	2042179	1015718	2248746
10.9645	7	5	2	267665.3	669099.3	138891.9	645992.1	255028.2	713743.1	868282.9	591002.4	497734.7
41.17217	8	4	3	378488.3	5271281	3467472	4926331	2656848	4720548	1114870	9905783	3182378
9.976317	10	5	5	69278944	3.63E+08	52745687	3.57E+08	63969061	4.11E+08	4.28E+08	3.4E+08	3.11E+08
10.01477	9	4	5	624490.1	1035304	311791	1099179	735210.2	1110372	1526618	997014.8	749786.8
9.979667	9	5	4	659445	1433331	460032.8	1511605	870825.6	1356934	2012268	1194524	846651.6
3.569883	6	2	4	184250.4	1860547	1072235	1726823	1316608	27861.05	2534577	2718085	1961171
8.8622	11	5	5	3758826	38076745	4423564	39048949	11318281	42879084	42543629	35230471	33058650
22.51233	6	3	3	155719.4	579859	238217.9	557887.7	142136.2	306459.1	951007.5	460520.4	593627.7
9.870017	4	3	1	2871905	8897475	3057708	9192440	2149486	7214050	5569350	7397145	12021692
10.94443	8	4	4	254197.2	1309372	418261.6	1353607	376054.9	1918712	1571957	1058506	955629.2
10.9645	10	5	5	308415.8	1076317	461454.5	1030524	353529.8	1652650	1245470	950799	390132.7
10.97857	9	5	4	241987.9	950228.2	378203.7	912575.6	292602.2	969425.3	551037.7	639754.3	1098404
25.83867	5	3	2	85979.52	304321.8	159208.7	289427.5	101067.7	370728.9	549890	208645.8	241611
10.95835	10	5	5	436651	1442615	219500.5	1405059	419451.3	1691641	1566953	1180749	1244637
10.9645	10	5	5	378480.6	1510845	275999.5	1472993	393260.2	1875802	1572751	1234957	1235150
9.559117	6	2	4	342356.3	728741.2	271084.3	693838.1	351320	976257.2	1053258	518117.2	453960.5
9.582167	6	4	2	379912	579570.1	424790.8	620398.4	297007.4	465528.3	465176.1	269226.1	1325532
10.97857	10	5	5	2234681	8059547	528044.4	8413975	4352009	7270129	8725092	8271625	8028195
9.853633	5	2	3	554228.1	1737494	867574.7	1654548	599915	1788511	654008.9	1850644	3033462
44.03467	6	3	3	366842.3	5041015	978602.6	4935672	925740.5	6727570	4573137	4225831	4942575
9.43325	6	3	3	748054.8	2477266	1016985	2345845	1333995	2880661	763476.9	3283195	3090380
9.992233	5	3	2	776117.1	1158027	541015.6	1225546	672970.5	1292660	2006838	711039.7	1100149
9.999217	10	5	5	2574874	3083066	1574401	3348684	2978058	3816459	5311572	3060095	1399509
32.08483	9	5	4	274724.3	1449348	965609.8	1365162	448219.5	1187726	937884.6	250293.4	2342758
39.302	4	3	1	326322.9	4712773	2735938	4933729	242122.4	3795513	8454296	892032.6	5153873
27.39817	5	3	2	215087.2	2308410	579280.6	2401103	1026070	3114781	1755836	2215831	1800527

9.9677	6	3	3	419186.8	843234.9	357839.3	812084.1	165296	1471289	786271.9	669820.1	696130.8
9.992233	9	5	4	1627337	2560910	1404954	2744374	1881173	3491867	4525922	1530198	1200693
20.79233	3	0	3	60574.41	231353.1	51947.89	220292.9	129689.9	214445.6	265814.2	300373.2	167946.3
9.842	8	4	4	3502360	6281745	8163690	5509577	5561380	2846643	1290757	3617600	2846909
11.52297	9	4	5	222647.3	1189753	196013.8	1160832	313015.9	1375063	1197062	954309.2	1033765
8.93965	8	4	4	394982.8	948548.3	470809.3	899562	417380	721912.9	1658355	959422.3	1025020
10.20545	10	5	5	761258.6	3836606	1291854	3980541	1328035	3587365	4808754	5450824	3075211
10.9645	9	5	4	712102.5	2522806	793311.5	2615821	896304	3306584	1914087	1929464	1992693
9.880683	10	5	5	2743677	15800251	3785119	15367392	4089176	12015005	13157356	14332916	20904099
9.392767	10	5	3	2529743	20278162	5472607	19445582	9134656	28997716	15077235	21807524	18658992
10.94962	9	5	3	191360.3	663196	312949.1	630723.4	277364	931131.5	523818.5	409852.8	387531.9
10.9645	7	4	3	226589.3	601633.4	370409.1	563356.1	325529	1213038	462592.8	259084.2	414459.3
41.89167	7	2	3	233708.6	3338451	709538.9	3588062	3054819	3223304	2451616	3339773	3241545
9.999217	10	5	5	1037310	2308977	806060.2	2194517	1227211	2984302	3211684	2312888	1322172
10.9645	10	5	5	226755.3	825914.3	283189	797052.1	241252.7	1149207	1119523	626249.8	656985.5
9.9847	6	3	3	681014.6	1301199	1272750	1414785	698976.7	3515836	433801.7	946723.7	1124292
13.46338	5	2	3	79645.43	542052.1	132627.9	518744.4	266386.2	582676.3	593087.1	644988.8	309520.9
9.93625	5	3	2	1019391	1442319	332652.9	1399040	448480.7	1868351	1634763	1226804	1460452
10.44062	10	5	5	1822003	6417557	767959.9	6562800	1686818	7038919	7349830	6320051	5558795
9.568783	7	3	3	462214.9	949474.4	678331.7	1013494	470619.5	512932.8	324698.5	642103.4	1295816
9.975217	10	5	5	3888681	8005798	1472701	7627475	4565781	9970424	9150364	7277254	7081070
30.226	10	5	5	691048.8	4595432	1191164	4421400	1897575	5757060	5676690	4496559	2871961
9.964417	11	5	5	15622432	38063559	8433323	36934263	11891847	42742519	50477962	31682038	34985590
9.762917	8	5	3	956131.3	1900073	281267.2	1965919	788697.4	1778141	1733146	2384642	1901604
9.830833	9	5	4	839675.1	2851749	360571.2	2799627	566862.1	2421491	2803959	2688632	2948180
10.9645	4	3	1	511015.2	1012296	278498.6	1065297	618038.5	1436445	1098229	697430.7	963494.4
10.008	9	5	4	537523.9	1234111	429388.5	1168777	723544.3	1108205	1904895	1371887	793529.8
10.43932	8	4	4	402501.6	882075.9	192986.1	856048	275588.8	1193925	788231.2	678996.8	846638.8
9.994767	8	5	3	577130.3	949276.7	256700.8	989029	443195.4	1227865	1108817	953747.3	551130.4
9.842	8	4	4	1490339	5621156	2503062	5831769	986188.1	6045829	1461180	5573360	7055911
10.008	5	3	2	1341543	1787977	1520133	1994307	2197535	860278.6	444643.1	4091549	2568914
9.3919	9	4	4	1060863	5276689	2380236	4965069	3266623	2463766	3021043	6700632	7803402
9.388367	6	3	3	724940.4	2492568	678785.1	2587889	1032997	2334606	3051713	2623984	3046724
43.77583	5	1	3	324884.8	3817816	152532.6	3764408	661027.9	3591705	3790230	3793118	3926873
25.219	4	3	1	43421.09	107602.1	33945.44	104462.3	22588.65	100387.9	106666.3	77489.09	88540.45

9.46925	8	3	4	652237.9	671972.8	468352.2	720758.7	431364.5	529631.7	1182543	346823.3	155548.1
9.976317	11	5	5	688007.9	1609805	667446.8	1537918	660245.8	2061800	2467466	1591899	902977.2
10.9645	8	3	5	209570.4	753660.5	283554.4	781651.3	229957.2	1029682	1004750	368789	572684.9
9.93625	8	3	3	2146936	2981432	2825908	2723379	1806212	888500.6	1128316	829511.9	6703192
43.77567	5	1	3	254671	3132700	133695.9	3085835	582086.5	3195186	2906961	3257773	3163274
9.91875	7	3	3	825636.9	1489147	213904.8	1599516	1385725	1554902	1229332	1303006	1633054
9.992233	7	4	3	457623.8	990424.8	124325.6	1023598	405820.8	855529.3	1130591	865771	1075801
9.9677	10	5	5	1469239	4170129	1486545	4009626	1484585	5366633	5939144	4080922	2473441
9.992233	10	5	5	1946516	6176569	1403360	6002361	1794677	7425596	6884161	7257922	4785950
11.52297	6	3	3	131228.8	410450.6	190726	433397.9	232509.1	340433.3	207075.9	614932.6	610819.4
9.102033	6	3	3	195771.5	595279.1	366123.7	550354.5	460900.5	592795.6	1115560	764843.6	267438.8
10.008	8	4	4	241429.4	622711.2	257380.4	593892.4	277317.1	712715.8	955513.3	665238	255797.6
10.4121	11	5	5	7504379	48545013	10115065	50996874	29908622	59591565	48756881	34545824	43302766
10.93468	5	3	2	294974.3	1129779	409669.8	1087582	374971	1013397	834315.8	806353	1184719
9.544833	16	5	5	4599018	12042925	18163711	13745179	13052787	43418196	1176504	2045514	12355031
9.91875	10	5	4	918753.1	2155462	417329.8	2062463	1129298	1930290	1749134	1885183	2630828
18.54067	7	3	4	91060.27	351053.2	156014.1	324114.8	314517.2	206604.3	178514.8	375642.5	456181
9.445217	14	5	5	19244422	1.66E+08	40031423	1.62E+08	34714798	1.47E+08	2.01E+08	2.18E+08	1.32E+08
10.9645	10	5	5	361363.3	1234453	337519.2	1200467	295242.7	1611997	1505787	930534.3	852628.6
10.95055	10	5	5	2336859	10190181	2530043	9951115	1872722	12802476	12874029	8260144	7461429
10.008	6	3	3	412013.6	595111.1	370509.2	637788	424515.6	749585.1	988124.6	816607.4	96474.83
9.887133	5	2	3	754432.5	2084698	597364.7	2009459	791472.8	2537949	1511319	2894269	1732700
9.976317	8	5	3	467798.5	1169507	329803.5	1124898	486397.4	1494657	1514812	1139147	802864.2
9.419733	14	5	5	30192966	2.48E+08	65082953	2.42E+08	47761546	3.51E+08	2.59E+08	1.76E+08	2.21E+08
8.801817	10	5	5	2052237	13621099	4103396	14122261	5201979	13331127	20391632	11511199	9509087
9.872917	7	3	4	2053202	7191461	2014457	7437584	2558249	9499754	3993124	7982590	7388894
22.756	10	5	5	3918905	17268512	11090401	16032754	12055445	2791756	14349061	21293225	14781159
9.280767	7	3	3	3495167	6530840	7268532	7213088	5344198	14642315	2359250	14267582	469952.5
10.95835	10	5	5	389262.9	1405227	430667.5	1364720	319051.8	1869539	1868049	1037124	1024839
9.999217	10	5	5	2644839	2996779	1673753	3254499	2949322	3744581	5418498	2872096	1218630
43.7615	10	5	5	2270393	50518944	2307486	50929543	4879692	47676914	50795945	53572204	51635439
11.52297	10	5	5	277726	1609799	272467	1571723	424396.3	1959515	1564378	1306344	1408751
38.03567	5	2	3	396192.7	6566693	936724.6	6705164	1574891	7784410	6727067	6385631	5176966
27.59467	5	2	3	282125.1	1784056	965949.8	1683683	925635.7	1159546	2566213	2295058	390064.6
9.992233	7	5	2	382873.3	800841.4	393331.1	847941.4	489316.5	928188.6	1434671	617617.5	499745.3

9.573333	4	1	3	201894.6	324659.7	212870.6	351222.6	282555.9	669457.2	212602.4	108369.9	278376.2
9.928667	8	4	4	14391612	27971198	54755146	33040543	39469812	2349141	3738936	6877134	1.26E+08
33.42683	9	5	4	277932.5	1524121	605808.1	1460883	589178.6	2170094	1441830	564797	1872594
24.11067	3	3	0	185642.7	627254.8	403374	595863.5	63236.83	1217758	450717.7	533041.3	792175.7
9.9014	5	3	2	1037225	2335031	2079302	2522193	1377265	919497.9	1131574	1925097	5981008
9.91875	5	3	2	1190062	3028060	976023.9	3154012	1369707	3315647	1511823	4129621	3413550
9.853633	5	3	2	2847128	4636437	5024567	4130671	4544292	2036214	13513419	1848807	3776527
24.59417	9	5	4	150680.3	941681.3	233551.7	907947.6	383881.1	882825.7	1201858	634301	841539.7
9.856867	7	3	4	2157882	5613392	1927856	5356126	2844470	7376084	3211832	7696174	5444387
42.68283	5	1	4	285507.1	3888823	381950.9	3804897	1037411	3730536	3532746	4536582	3782051
9.848417	4	3	1	775092	942949.7	604139.8	1050702	1296919	1489675	246359	1111644	1502375
28.128	10	5	5	49720.39	293699.4	83061.64	306000.1	141756.1	328032.5	309886.6	167981.4	269963.8
9.960467	5	2	3	461305.7	921671.1	537184.1	977359	522775.2	1672892	260390.4	1086923	578700.3
10.02372	11	5	5	287307.5	969420.3	111484.4	946806.6	278312.4	892901.9	885181.3	1157389	932778.4
18.327	10	5	5	192204	1090266	195794.8	1069173	206489.5	1343602	1121323	853922	941369.4
12.42808	5	3	2	42738.81	160512.4	18051.7	155682.3	61122.99	165588.9	133457	153289.8	169318
10.95055	10	5	5	653188.5	4120453	663915.1	4035899	923478.9	4499750	5082892	3543180	3554466
9.979667	7	4	3	353010.4	709605.5	249182.4	679819	314591.9	961232.8	562871.7	1000835	500398.4
9.999217	9	5	4	298061.2	871218.5	198873.2	842143	335049.5	958266.8	1088122	990118.1	655398.1
9.445217	5	3	2	1659633	4003219	3864390	4421775	4121207	1383064	7321764	9040242	999443
9.976317	10	5	5	1271756	2982743	1410943	2821305	1659502	3918131	4812892	2942026	1509280
39.23	7	3	2	443157.4	3232536	1683894	3387478	1231789	4458291	3954379	573339.7	4586823
9.419733	7	4	3	1141261	4149076	2370251	3899980	2387519	5919248	5301532	6319046	1193724
22.785	7	3	4	167015.4	684955.6	438166.1	640285.1	414840.4	655049.2	984199.3	307634.8	224498.4
9.43325	6	3	2	2617351	14042360	13138670	12963095	5835888	33430610	3943733	8293630	21580383
9.45945	6	4	2	530327.8	1668206	906734.9	1784974	1286149	1301482	3275877	1174628	1447295
9.933967	4	3	1	923604.1	2391610	1248485	2247105	1501109	3850905	2042418	3498849	896220.5
9.856867	10	5	5	4663183	14875640	5995150	14294530	5076039	18126434	16229642	7680426	9996707
33.68667	10	5	5	346013.3	2453532	834879.6	2521654	356553.3	3390608	2325014	1127644	2741127
24.38117	6	4	2	73781.08	268057	90486.09	257770.3	105718.9	249941.6	427224.7	237761.2	216983.9
9.999217	10	5	5	661538.9	2066830	543898.6	2007598	589114.6	2525219	2394861	2460834	1394044
9.845483	9	5	4	1633744	5381085	538547.4	5554076	2224234	5165112	4598854	6019468	5682105
44.66717	4	1	3	90779.45	351198	76140.76	360724.3	103981.3	321513.4	337576.3	445748.6	402615.1
9.983433	10	5	5	3591259	10108623	3406377	9695080	4446440	11725460	14976046	9545047	6084614
10.51423	10	5	5	455026.4	1427339	449835	1370727	620124.7	1993032	1653707	1303750	1408897

28.90583	10	5	5	243651.7	1295093	268729.3	1257039	437451.9	1072244	1298199	1157227	1194396
10.98385	6	4	2	260993.2	777410.9	382181.2	814272.5	324495.9	198742.3	1002878	577026.7	1105070
9.392767	9	4	4	4443430	31264151	10665393	30317301	7160555	45927449	33996657	26495257	33014868
9.999217	10	5	5	2657572	3120610	1658959	3371653	2961529	3720825	5588230	3035112	1400654
9.994767	10	5	5	1938385	3298542	2059405	3118330	1317000	5170594	5230939	3373956	311351
10.9645	10	5	4	520544.6	2597451	822266.5	2495560	1118268	3535753	1293490	2657257	2941967
10.95055	9	4	5	895700.2	2919682	933995.3	2795708	1403285	4054460	3814320	2349102	2114024
31.19083	5	3	2	233593.8	1722481	283816.9	1692021	304304.9	1983135	1534281	1325100	1821118
9.970617	9	5	4	1478156	3132862	672387.2	2995506	1718889	4076194	3088999	2441297	3485388
9.986767	10	5	5	753583.1	2260000	923436.3	2364722	1093171	2951468	3196991	2598864	1325584
9.507167	5	2	3	381135.6	545209.1	431894.4	597085.1	562098.4	906546.3	915808.3	737796.7	165894.2
9.544833	6	2	4	999340.6	1553119	1142342	1430633	1228287	1089246	840463.8	1728782	645536.5
9.872067	9	5	4	1337347	7094837	1284804	7324978	2834282	7036916	5319110	7379640	8909871
10.03947	9	5	4	223678.3	541266	196611.7	522750.7	160499.9	361021.7	466868.3	576665.3	864563.3
9.975217	7	4	3	32757966	68355129	1.31E+08	79486954	76623273	9657831	12226318	3.02E+08	12723466
9.844033	5	2	3	364930.3	832854	467468.6	884135.5	526633.7	1027975	0	1108267	992806.3
6.765333	5	2	3	811629.4	26363729	5472265	25049901	16814946	29919889	32443836	28255120	20327887
9.3907	5	2	3	3125900	14008906	12244273	15236347	11598235	23466635	24965317	760397.7	704948.9
10.99268	9	5	4	342165.9	1277341	294052.5	1243028	368339.8	1022042	1041229	1132584	1566868
9.071517	4	1	3	595967.6	713002	302865.2	741006.7	237119.1	602915.3	922038.3	228112.8	878569.6
10.94443	8	4	4	552017.1	1035367	638981.4	979513.3	420843.4	741338.7	1122410	680255.2	524241.5
9.398583	4	1	3	803672.3	3551408	1206747	3754362	2482798	4030977	4603731	4591077	2041788
9.887133	5	2	3	1726331	4734720	2057671	4971650	2529883	3652686	2906292	7676098	6092199
10.94443	5	2	3	314145	1013556	185628.3	985759.2	331351.7	1082139	1298162	824550.2	893216.5
9.986767	8	4	4	1430495	2296780	1403728	2469356	1912402	3097663	4197142	2230524	702652.2
30.2655	10	5	5	2771490	18029479	4615629	17415402	7047453	20092679	23840578	17359129	11203172
9.8322	5	3	2	3276873	5262902	5864346	4739671	4159351	1512706	1278947	879412.2	8583769
9.358417	5	3	2	789488.6	5538656	2085747	5309328	2377656	3129661	8152224	4903258	4292759
9.872933	5	3	2	1308971	3848455	3497548	3553189	2027274	5484858	1491255	1434569	1545579
9.983433	9	4	5	809336.4	1681154	636356.5	1596534	972085.3	2223717	2280664	1895298	987345.9
44.35117	5	1	4	353923	5512772	199477.9	5702310	2529312	5569218	5639020	5211372	5717303
9.9014	7	4	3	1623257	3569606	527211.1	3442859	1631299	2869962	3428045	3603910	3601881
9.999217	10	5	5	1703295	3387696	1856819	3583555	1968044	4469017	5787847	3579091	1351844
44.624	7	2	3	309943.4	4268687	893721.5	4161194	1181988	4629743	2672618	4615491	4677978
9.43325	9	4	4	3608560	18398563	15205971	19725609	10093456	6491003	26151910	40477275	15554671



9.992233	10	5	5	709801	2294063	532100.5	2231753	675833.1	2819861	2495374	2698271	1806551
10.008	10	5	5	1115462	2687892	1025809	2808511	1311425	3219264	3967500	2976226	1674931
9.999217	10	5	5	2789191	6124133	2259213	5831229	3349727	7547078	8890626	6349405	3230364
9.9677	10	5	5	3213455	9342174	3538542	8943895	4230440	12038214	13794407	8841680	5449455
10.008	8	4	4	832539.1	2094182	572155.3	2028031	715017.5	2213514	2364174	2761745	1235461
9.432533	12	5	5	5983230	15580254	3588646	15277609	2113652	21035330	13465843	13614760	12395047
10.96997	5	3	2	345133.6	1033685	244747.2	1006005	295412.8	1090242	1395682	756591.9	1059333
9.960467	7	5	2	1837506	3390468	1369417	3268856	978904	4847401	4721680	3268811	2192413
9.4775	5	3	1	2189088	9096769	5986671	9619238	4047218	14412783	7316910	2958526	4445099
10.95835	9	4	5	253248.4	1021731	97643.77	982896.3	515954.3	1099404	1037265	1126328	948898.3
9.976317	5	3	2	376607.8	642050.6	147444.6	677839.5	464161.2	778027.2	762034.2	590616.5	416270.4
9.992233	10	5	5	1346988	3287376	578158	3177402	1390989	3802572	3015291	3927557	3160118
9.856867	10	5	5	2337037	11707747	1452494	11950917	3012480	12348546	10800710	10293291	13925149
9.94455	7	4	3	568241.6	1144224	234246.3	1114478	339619.3	1174861	945194.4	1334559	1400148
9.43325	6	3	3	677811.7	3876864	1650457	3668925	2366932	5950292	4384153	4306280	3273113
9.960817	10	5	5	657956.7	1699912	422420.7	1648164	581714.9	2180435	1017749	1715983	1796682
9.992233	10	5	5	2856832	7146445	2831305	7457583	3281529	9009455	10402774	7913862	4009697
9.840617	8	4	4	2055758	2845604	2448703	2641338	1408618	7038888	1011951	2486858	2519029
9.445217	14	5	5	2529942	16375963	5995751	17143321	8808063	15786598	25166322	18899333	12087325
9.880683	10	5	5	5665271	39755314	11420871	38761315	7749369	55363206	31309998	34700145	29240102
31.81117	5	2	3	121446.6	369880.1	192232.7	393379.2	264227.7	213042.2	464648.8	155593.7	385319
10.211	8	3	5	243459.9	922507.5	411267.8	963050.2	388251.1	736223.4	896064.8	1571278	954678.2
9.986767	10	5	5	1013447	2360930	674865.6	2284553	823047.1	2820594	2179102	3004701	2507705
10.008	10	5	5	749357.3	2353565	604680.8	2287924	687277.2	2546813	3275722	2304799	1777837
10.94603	4	1	3	712224.7	2139639	647158.1	2075659	615878.7	2413799	2863137	1863993	1170353
10.95055	10	5	5	566697.1	3591638	717327	3677530	958705.1	3943915	4633227	3112160	2817210
10.008	9	5	4	1758095	2249600	1273223	2407818	1801019	2960351	4123008	1491855	999134.8
12.28138	10	5	5	103866.7	371921.4	211715.3	391281.6	168351.4	473030.6	543060.5	252088.2	57169.65
10.99775	10	5	5	359788.4	1095024	392644	1143913	557814.7	1293110	1117129	488388.8	1547355
9.960817	10	5	5	683370.9	1631824	217486.6	1609323	228206	1798444	1774174	1766191	1298692
16.30088	4	0	4	78375.95	240701.4	65574.72	247786.1	74456.79	306178.6	175066.1	184735.6	224616.9
31.09117	6	3	3	87970.78	279330.7	104586	289425.8	95264.4	159241.2	301825.5	203997.5	301770.2
17.76267	6	2	4	315431.5	1975687	337674.4	1930151	537381.3	1622364	2117033	1609059	2196171
44.96917	6	3	3	388036.1	3909739	584338.2	3834963	865719.7	4703231	3999952	3064755	3808861
10.19043	10	5	5	960870.1	5422461	1106569	5317111	981566.2	4386967	6954708	5642719	5829587

9.45945	13	5	5	2010352	14544748	1316607	14809963	3418746	14535618	14302490	12492095	15757435
9.311883	6	3	3	469220.5	2019445	1074055	1910922	1083799	1382939	3482864	2831558	1019778
9.992233	10	5	5	1207881	3425730	846527.3	3542132	1388070	4131400	3924546	4065494	2573316
31.0625	10	5	5	367173.8	1725351	688298	1654680	716836.1	1119341	1741484	1240278	1665142
9.976317	10	5	5	2256214	6515811	2273183	6278198	2448966	8380281	9112875	6610511	4064695
9.01065	6	3	3	223417.2	545136.5	290943.5	512994.1	346066.5	832905.2	627119.4	649426.9	558940.3
8.91745	10	5	5	1164513	4056015	1717053	3873306	1916461	4499023	6447275	4470995	2893826
10.008	10	5	5	270903.2	740889.4	212768.9	766366.4	288177.1	598952.4	1091539	796249.9	603912
9.8445	9	5	4	904282.6	4188732	519712.9	4132316	601537.6	4836557	4601006	3656743	3739884
9.992233	3	3	0	1486276	1058650	674004.5	1152107	1122236	932586.9	0	1539732	1727884
9.9677	10	5	5	2903468	7808554	3026064	7487269	3371882	10372096	11492723	7118360	4498748
10.71765	5	2	3	123502.2	338742	181272.3	354583.9	129749	202070.5	643390.4	342762.3	303444.3
9.872883	10	5	5	2571271	9289590	1456742	9073430	2653503	9387202	8260161	11366811	9823303
3.584583	7	2	4	126351.7	1569852	995100.8	1480588	771831	0	1233596	2497437	2207826
10.94443	10	5	5	566573.5	3070469	844098.5	2994054	671273.8	4353006	3211372	2367931	2245343
9.348233	5	3	2	424088.5	803660.6	530437	735965	791533.3	1492469	822372.5	842927.8	860534
10.9645	10	5	5	2901519	14532642	3151072	14858070	3356895	17585611	18135031	12394862	11123891
9.91875	6	3	3	1650883	2654137	1473470	2513312	1340759	3789159	85595.39	3043520	3402080
9.507167	6	3	3	512285.2	1024836	722660.2	951563.6	743724.4	1262013	435734.8	134138.1	1400936
12.10843	4	4	0	57412.72	173893.6	38998.1	167255.6	84110.88	173413.3	140515	136122.8	187606.3
9.992233	11	4	4	723054.5	1056762	744317.4	978901.6	813848.7	1692458	583053.7	558401.4	424141.2
10.93618	4	1	3	344436	549995.9	241334.8	528388.3	187600.6	661417.4	587200.6	144931.6	572825.7
9.986767	7	4	3	5332345	8209571	11523496	9415202	12617341	28773931	2132903	3674432	4024123
10.96997	8	4	4	465750	1508193	489961.4	1456446	546077.8	1960902	2087913	1032454	1367594
9.9677	5	2	3	730835.8	1336523	887126.7	1267054	396049.2	2346632	108459.3	2020977	1248577
30.28183	10	5	5	666091.3	3502938	739298.7	3387616	1439843	3274767	4308741	3833845	2354893
29.91983	11	5	5	2112041	9808840	5592179	9288979	4803237	3332151	8421483	8599129	9953243
9.960467	8	4	4	763877.9	1598504	703946.3	1513823	969467.9	2106759	2546184	1179856	1317023
10.84643	8	4	4	140828	354739.4	143494.7	339525.5	161215.7	155747.1	349674.1	508175.3	285405
9.684583	9	4	5	227361.2	877218.9	426581.3	917263.8	375489.8	1078478	1491312	456023	514031.3
38.10833	8	3	2	402078.7	6094285	766662.2	6174088	834039.9	4828679	6554139	6810470	6036775
21.029	5	3	2	77290.73	166952.7	36880.7	171657.9	55413.59	205916.3	170313.2	156953.1	191341.9
9.507167	8	4	4	826329.3	1325968	744034.1	1403494	814206.7	1755080	1657664	1642408	1574691
9.886433	10	5	5	1858962	6185631	1161847	6327057	1635878	6722715	4877099	5052562	7526094
9.999217	11	5	5	1425773	3269353	1097132	3117292	1850040	3984667	4516742	3505976	1800478

9.4925	10	4	5	825940	4403290	2693362	4145094	2505427	3362368	604454.5	4291428	6094774
25.62567	7	3	4	310763.5	2200151	801514.5	2122075	771719.8	2478919	2022414	2416041	954589.7
41.5605	8	2	4	360120.7	4779390	421417.9	4869656	1191042	5059707	5254900	4901245	4393801
13.02562	5	2	3	139858	667997.2	544340.8	618512.9	448655.7	912483.8	76664.36	1085190	85441.39
9.992233	10	5	5	411592.8	1301622	376003.3	1337831	355404.7	1153789	1875325	1480070	1005750
9.983433	10	5	5	3801599	11459267	4156741	11002524	5035948	13643879	17186934	11262817	6671388
9.162767	6	3	3	229109.8	545224.7	247461.7	576341.2	367943.6	699790.3	775678.9	623183.5	479110.1
9.992233	9	5	4	536773.1	1275951	454441.4	1230068	474267.1	1000378	1864324	1667610	888965.7
9.498117	5	4	1	687271.1	751288	159850.9	809753.5	800016.1	886438.5	911970.4	597875.8	569516.2
11.29108	10	5	5	170666	842746.9	365115.2	810581.4	279988.2	348951.2	652111.5	970072.1	919229.3
11.06267	7	3	4	1591226	4599382	4029638	4241543	3160387	1804295	10536128	926482.4	6897634
20.782	6	4	2	226897.2	1340699	350043.6	1310492	253374.4	1366122	1775172	1301489	805792.1
10.97242	10	5	5	1337435	6305131	1346845	6189705	954497	8013635	4474302	5560134	6574631
11.52297	10	5	5	100355.7	499792.6	132693.9	486662.2	133986.2	683154.7	519053.7	316162.6	454674.8
9.976317	9	5	4	605995.6	1230629	584031.4	1169358	658996.7	1822544	1830394	1082690	499348.6
9.43325	7	4	3	544421.1	1721435	1123023	1620867	910714.3	3522292	967660.2	663666.7	1487481
10.32433	10	5	5	589484.1	1981235	575275.7	2043378	684825.9	2345178	2408657	2432635	1232121
40.8555	4	3	1	440202.3	7493586	6306754	7036249	1198439	6673657	6890390	1782275	18131706
9.94455	9	5	4	511618	1505082	414961.9	1536434	160777.8	1848306	1932325	1044206	1097201
10.98605	10	5	5	675228.3	1868505	588239.7	1935811	771516	2276313	2141124	1493700	2407175
19.95567	10	5	5	590741.3	2141340	1061236	2026698	1269376	507479.1	2678093	2423360	1795373
10.97857	8	4	4	351280	1238651	348237	1282107	519334.1	836583.3	1268326	1120578	1177031
9.983433	10	5	5	1078591	3309539	1027484	3201850	1168715	4262975	4249953	3579756	2313718
9.992233	10	5	5	1939176	6181972	1486810	6016258	1874527	7555209	6924112	7270357	4791320
10.00385	6	3	3	269723.3	522229.7	247906.4	549694.2	309608.5	114905.8	653289.8	514941.8	557970.2
9.960817	10	5	5	1140221	2318332	594519	2428505	1451109	2681174	2501561	2805870	2289749
10.9645	9	5	4	325052.8	1104483	280180.9	1136046	359537.7	1557739	1140139	937122.5	826263.6
10.008	9	4	5	377120.2	758315.3	396172.3	798405.2	423929.2	672171.5	1449916	594877.5	443297.4
27.042	4	1	3	207929.8	952023.1	359748.6	904544.6	581468.6	321271.8	1130818	1217075	1037039
20.99217	10	4	5	88181.95	463434.1	251202.3	443732.5	129430	457810	348678.8	455213.8	867493.8
10.95602	10	5	5	298593.2	1194537	295172.1	1165686	296624.7	1429039	1489636	1020566	779099
9.992233	13	5	5	962452.1	2757348	715707.2	2661019	1189716	3677318	2608242	3309569	2104273
10.94443	4	1	3	228225.5	544636.7	253874	574071.3	342467.9	601543.9	947935.3	502504.5	298505.2
9.960467	7	4	3	3798120	2681882	2998431	2947701	2429884	1720746	1423996	8024952	1238315
7.398833	5	3	2	77156.73	285644.6	226965.6	307270.5	217846.7	631033.8	66257.98	110360.9	368124.1

10.9645	8	5	3	235670.7	739725.2	258066.9	706346.9	408353.7	1087718	884587.4	481116.5	500135.8
10.2608	4	1	3	717620.3	3668703	1039931	3750949	571716.3	4245953	4110646	4804129	2285694
9.970617	6	3	3	705702.9	1029388	289344.6	974360.8	732819.9	950266.3	1075175	1503486	857064.1
9.43325	5	3	2	1456051	7634798	7720161	6944555	6427467	15479667	1166015	16616591	3047877
9.983433	11	5	5	828104.2	2363106	865238	2262269	1182070	2879759	3421792	2532104	1322295
9.94455	5	3	2	1258038	1509096	767860	1592903	947471.2	2267297	293264.1	1802447	1270479
9.842	8	4	4	661195.1	2071673	773794.1	2148894	816911.4	1968456	1539292	3421931	1608556
22.95817	7	2	4	76437.73	316095.4	94915.55	305369.7	123847.8	390758.9	163198.5	314807.9	400129.5
9.979667	10	5	5	1728030	3893176	1954421	4082755	1955199	5237245	6407993	3687407	1601188
9.992233	10	5	5	454547.9	1146423	364203.1	1185875	444513.7	1399264	1188781	1556714	639313.7
18.36417	4	3	1	280419	2659721	1545352	2796522	1258016	3155598	2886435	2392237	301433.3
9.388367	10	4	5	2067120	10499102	10523603	9626425	7071619	6478526	28454081	7209617	877762.7
10.008	10	5	5	842574	2729029	698162.1	2808949	931186.2	2845354	3520377	3252172	1934046
9.848417	10	5	5	1285184	5178232	1392225	5052960	1185488	5413230	2877028	5059806	6302629
9.992233	10	5	5	1379131	2368426	959228.1	2502199	1684311	2790792	3689671	2487830	1378945
9.406667	7	3	3	1911242	7831825	5777135	8373228	5402945	5756615	2915719	2790540	15748156
9.8322	7	5	2	897780.9	2123262	641936.9	2172558	306851.2	2944664	2494233	1862638	1248727
10.45433	10	5	5	187981.3	609045.4	243518.8	586658.4	218335.4	961376.9	544827.4	507198.4	314388.1
10.00998	8	4	4	285781.5	578870.1	289552.1	601699.7	159954.1	181427.9	758063	934594.7	578328.3
10.18477	6	2	3	351129.6	488268.9	186936.7	468129.5	227247.5	231866.3	738908.5	424110.3	571489.5
10.91407	5	2	3	145676.6	344277.1	98174.06	333620.7	120922.2	324440.5	426462.2	440577.6	195865.1
17.3215	7	3	3	292280.4	2411977	1035587	2325638	716856.8	3256402	3331457	2413444	763461.5
9.992233	6	3	3	5239475	3105090	4126352	2754406	3035499	550298.1	421152	662868.6	10020765
29.73183	7	4	3	290424	1143778	606066.2	1089018	525293.6	705090.6	754038.4	923011.4	1155648
9.960467	10	5	5	4005845	16016915	4341795	15594857	4409135	18635152	21838805	15508218	10838232
8.8977	6	4	2	263148.1	2412483	1266940	2515912	819557.6	2565428	3863398	2772485	373663.7
9.816317	5	3	2	1138949	2682455	1317859	2563076	1153649	1688676	1995740	4621351	3473888
10.9645	10	5	5	4599072	19408322	5384053	18962970	3660433	24779907	25293378	15448191	13505946
36.151	5	3	2	137922.9	597390.2	288542.9	625197	289014.3	1048062	242135.3	547824.3	584695.9
9.0035	5	4	1	1511376	1193253	1917110	1354293	1372028	339983.9	297035	372988.3	333914
10.046	10	4	5	497205.3	2044100	342700.4	1968637	1031045	2080389	2291075	1641454	1758674
9.419733	7	4	2	2456032	4410527	6797113	4980136	4847235	1078983	527251.3	16519422	2069889
10.57323	10	5	5	4946815	14610999	3595502	15304291	9358412	16456953	19438149	14826122	10382191
14.70718	7	3	4	41741.54	162982.2	45491.04	169432.1	82342.63	115396.4	216925	171667	117284.5
10.45545	10	5	5	998564.5	3027593	771352.5	3118116	1081641	4334650	2937940	2680404	2305845

10.91977	5	2	3	200073.7	518760.1	245502.9	547401	341860.3	238931.1	543634.7	302641.2	706854.6
24.01583	5	4	1	220911.8	589632.1	345910.8	553702.9	401171.8	380479.6	835007.7	80052.68	864773
10.008	10	5	5	850302	2827603	651819	2753948	868530.4	3253839	3520568	3048956	1945133
9.976317	5	3	2	647800.6	1024400	661916.7	1082326	541942.2	1292695	0	1332968	1714965
9.912633	10	5	5	2963055	6764168	1321825	6617448	1716028	9094084	6490049	5934958	6301521
9.979667	11	5	4	1868014	4081948	1427116	3939830	1548404	6008423	4143764	4631882	2139119
9.01065	8	4	4	328945.7	620461.6	357022.2	658412.4	434396.7	945626.7	810009.1	800397.2	490570.1
9.870017	10	5	5	15944591	78502952	23498122	76506035	17966959	98771343	94702686	46071342	61066332
9.976317	10	5	5	1006304	2886174	582569.4	2983311	1298945	2954989	3500585	3371373	2132717
9.951283	9	5	4	1640125	4359218	1200107	4458210	843056.3	3998242	6345894	3091607	4099886
8.94605	4	3	1	139388.7	230643.2	96494.89	220335.8	119021.5	236635	184877.8	371139.7	252055.1
36.972	3	3	0	292356.4	4382337	1100648	4458947	126537.3	2493330	4690504	4518658	4859147
10.03947	9	5	4	401180	1028951	212142.8	1072640	603170.6	685605.4	1114878	1252145	999441.6
9.9847	5	3	2	207352.6	398366	244199.2	423410.3	282746.2	0	558158.6	512680.2	331042.8
20.30317	6	3	3	60703576	1.02E+08	1.39E+08	1.16E+08	1.58E+08	859078.3	326065.6	517339.4	2.31E+08
9.8445	8	5	3	698001	1992312	756201.6	1901613	1117365	1353020	2511802	1026081	2328611
10.02372	10	5	5	284303.1	703802.6	174299.3	684650.9	226241.7	609189.6	949583.3	789939.2	676213.9
9.992233	7	4	3	886679.9	1458271	779247.5	1554564	1200750	1856453	2626985	1156337	907127.9
10.97242	9	4	5	849415.7	4420277	470692.5	4345415	1000079	5004636	4703769	3773473	4205886
23.17633	5	3	2	103823.3	518606.7	154390	503257.9	169831.2	646819.2	626235.6	259696.5	526822.3
20.25967	10	5	5	638724.1	4313783	718363	4233660	955964.5	5001351	4816762	4499606	3203273
9.842	10	5	5	582736.8	2234001	555173.3	2185195	474222.3	2529650	1742392	2531651	2819559
10.36865	5	3	2	155394.5	783911.9	162366.5	766817.6	197541.6	730948.7	670415.3	1050339	816947.6
10.16938	8	3	5	857082.6	1955695	683777.8	2037024	1001964	1610229	1120540	1774931	2419571
9.994767	9	5	4	543674.2	1308991	545860.9	1245278	779136.7	1550494	1966605	1452672	526136.1
10.008	7	4	3	325188.1	739635.8	191153.9	755673	145050.3	802339.9	611043.8	1049285	624788.1
9.999217	10	5	5	1780818	3210266	1271457	3042586	2149247	4126393	4813170	3099758	1736640
9.568567	8	5	3	302382.1	544598.5	232879.4	515375.9	368743.8	733116	830230.7	370647.6	283846.4
9.445217	14	5	5	91527264	6.09E+08	1.31E+08	6.27E+08	2.21E+08	5.15E+08	6.59E+08	8.19E+08	5.24E+08
9.992233	10	5	5	794449.4	1246801	691248.7	1323541	918928.6	1476936	2252467	1309364	588089.2
10.95055	8	3	5	496325.5	1229392	539221.4	1177571	561366.9	1541434	1963415	782242.6	658285
25.304	6	4	2	170586	487962.8	407560.5	452691	338665.8	165537.4	425904.8	99266.67	643658
10.9645	9	5	4	175238.6	696634.3	144299	679135.7	218618.1	759051.4	887344.4	495030.3	647947.4
9.40325	9	3	4	1420315	6342037	3700122	5948057	4621488	5840611	3013667	11851445	7917805
18.09933	5	1	4	313727.2	1724872	253413.2	1786124	865125.3	1896434	1593015	1742978	1373435

9.859983	10	5	5	2004696	8742299	1052460	8885747	1865382	8472004	7470660	10113215	9478396
9.992233	10	5	5	983929.8	2671881	1171239	2547273	1463428	3118558	4365309	2556697	1237186
9.419733	6	3	3	629929.8	732954	725988.4	666829.9	683996.7	1681326	0	0	976524.8
3.559017	7	3	4	327208.3	4100062	3293749	3842349	2019629	0	3584642	8933511	2780094
11.27298	9	5	4	525615.3	1559409	790541.8	1486782	759144.8	2947254	1337129	1161243	986875.8
40.69733	8	2	3	373118	4485597	836863.7	4576111	1077256	4298766	4030146	3961381	5964352
10.00998	10	5	5	557466	1080546	499718	1132147	596886	1300061	1632696	1353566	445078.8
9.976317	10	5	5	2000592	5476380	2028112	5280622	2151217	7025666	7786546	5708254	3048247
9.874317	10	5	5	8538151	33687612	8059276	34886946	16001198	43292566	27106282	41650017	27698450
9.983433	10	5	5	1261523	2920568	1500266	2767267	1762752	3886062	4857871	2896462	1186383
10.9645	10	5	5	413661.6	1516908	559554.3	1460150	649408.8	2041691	2203696	1115287	1022437
18.6605	7	3	4	43518.52	170725.5	112602	179083.7	53793.25	355184.8	132141.6	117946.4	60601.43
9.842	9	5	4	715221.9	2298135	290407.8	2363299	919773.7	2388907	2244825	1985276	2127240
9.994767	9	5	4	1010499	2395343	1249679	2277140	1277928	3896313	1306521	2937873	903533.8
10.9645	7	4	3	178858	473063.8	182648.4	456736.4	166089.1	689037.9	630039.4	402504	246181.3
10.21522	11	5	5	9555659	25961468	5538769	26856012	12145083	34286472	27721996	20638876	21274145
9.445217	14	5	5	2364733	21337538	4871509	20881391	4896277	18910423	26276335	26941695	17669372
28.14183	10	5	5	4562323	39109495	6434518	38192002	12163954	41545147	42282507	30024257	35323888
35.44283	10	5	5	212040.4	1346977	707725.7	1416615	783741.3	1888560	1211985	364626	2164575
9.102783	7	4	3	1267487	2539734	2321941	2753606	2265905	1591549	815743.4	1014965	2826806
10.95055	10	5	5	551509.8	3592998	651419	3668482	937059.7	3992374	4469517	3056974	2900127
9.975217	5	2	3	617750.9	862664.8	444132.9	810116.4	658402.4	590885.5	1415955	1156229	294514.8
9.960467	10	5	5	4441532	9007203	1362426	9270314	3678291	10771539	7799894	9764459	9191853
21.70333	7	4	3	95772.63	462442.5	109812.1	474547.7	146900.4	319477.7	522836.8	547454.6	553195.7
11.64913	10	5	5	1282678	5440007	873802.8	5287564	2105310	6250154	6418459	5001963	4354524
9.0258	7	4	3	192137.6	614734.2	110538.8	593321	299992.1	617069	758023.6	573385.2	665532.5
9.999217	7	3	4	346690.5	712927.8	347363.1	744807	338115.1	1071613	1026510	722469.9	479568.2
9.46925	5	3	2	629893.8	1250308	486600.8	1180654	928692.1	1186235	1509597	1278037	1790819
6.828767	5	3	2	3271806	87297533	32649824	90535558	36836314	38282625	1.17E+08	1.17E+08	78782368
9.43325	4	3	1	594199.7	2713253	1494238	2849042	1427677	2393535	4361481	817419.4	4082501
16.92833	10	5	5	695312	5385933	726309.4	5487632	1350898	5692521	5530903	4178017	6117658
9.295167	6	3	3	440498.1	2631146	1320091	2800494	2195037	3125786	1256951	3824832	3770856
7.280183	11	5	5	12237929	6.81E+08	2.81E+08	6.46E+08	4.45E+08	6.27E+08	1.03E+09	9.02E+08	3.46E+08
10.95835	10	5	5	906423.4	3776523	1128689	3883112	1170646	4777129	5078528	3089197	2411055
9.992233	8	4	4	1506494	3033849	764759.2	2934053	1304255	3477462	4124790	2759095	2199690

9.3332	3	3	0	510295.1	1055927	724862.9	999387	459375.9	1050373	1011334	2253579	541044.3
9.992233	10	5	5	568029	1459765	427594.2	1506412	567459.2	1856953	1803820	1633647	1058109
25.284	7	4	3	230675.2	1431952	905533.9	1353967	775442.5	691023.1	1786894	377132.1	1675703
42.99883	11	5	3	353860.4	6614027	4588193	6295331	1293016	14536114	5142279	3912246	6313774
22.14983	8	4	4	718551.6	3526327	1133002	3433517	853178.7	2634596	5431158	3195671	3614648
10.21522	16	5	5	905845.4	2047359	997189.8	2168859	1561097	3380364	1255369	2634082	938852.9
8.9256	6	3	3	181094.7	487551.7	230766.9	463695.9	283651.7	563138.1	736657.9	411420.6	596250.3
21.51867	10	5	5	2401584	11895297	5545906	11330618	6649618	4520527	12914036	13749554	8948495
9.983433	9	5	4	723688.7	1434953	581599.2	1387710	430305.6	1964718	1115993	1884347	1629620
10.67637	10	5	5	448902.4	2766509	333938.6	2722606	580283.3	3221182	2848079	2608163	2316598
25.19017	10	5	5	945283.4	5353228	1073170	5489135	1776384	4546278	5415773	4428286	5265184
10.95055	10	5	5	1055082	6400659	1275800	6539679	1709864	7242409	8196432	5574210	5138534
9.7038	11	2	5	883257.8	1893324	1179814	2096293	2839957	2772795	680480.7	699765.7	2051376
22.0905	9	5	4	139151	675184.5	341806.8	633897.1	532311.7	254286.7	1058308	799883.2	382662.6
9.1036	9	5	4	1690431	3749859	4981243	3334371	4012012	1181382	675020.2	739036.7	3793978
10.008	10	5	5	517103	1723646	341817.1	1685176	482528.2	1815033	2193864	1825939	1332310
9.43325	12	5	4	800672.1	6522038	2005330	6693071	1711211	5229369	8362174	8975000	5526793
9.992233	8	4	4	353952.3	969355.6	464958.8	931954.8	339541.5	968047.3	1493199	899149.1	251712
18.12983	3	3	0	47300.02	105172.1	35413.79	109738.3	60350.97	110812.1	89522.65	134788.6	52529
9.960467	10	5	5	4464113	8753636	1454744	9027746	3895260	10781998	7719104	9312512	8916116
10.95055	6	3	3	380675.2	918455	393763.4	885200.3	329139	1350653	1309077	499726.1	607232.3
10.02372	9	4	4	6.27E+08	6.75E+08	1.5E+09	5.5E+08	1.22E+09	2641619	3.36E+09	5167723	3733516
10.96997	6	3	3	195438.4	470221.6	260757.2	445702.2	274805.5	798207.2	649274.4	459436.2	154667.4
13.15802	10	5	5	81810.65	289027.7	124997.4	272464.6	221225.1	232917.6	157269.9	347696.7	230743.6
9.840617	10	5	5	646318	2365760	522047.6	2425180	754482.8	2740444	2224966	1598588	2316826
10.29792	12	5	5	766469.4	2185074	615661.3	2124066	717532.1	2734033	2455196	2599593	1244916
9.856867	6	3	3	1060221	2323935	769101	2381668	444682.5	1828676	1794868	3056369	3264176
9.203483	8	3	3	19052588	36599016	49372813	40940061	45858601	903411.8	1369741	459414	80182686
9.40615	7	4	3	745769.3	887907.6	640070	818455.6	864189.3	1353804	1586695	0	518530.4
9.874317	8	4	4	1072821	3630320	1292270	3498660	1585278	4946959	1667951	3220146	4588219
9.9014	12	5	5	1507851	4323535	1808659	4156577	1864583	5131551	2767379	4530065	6810322
27.28433	10	5	5	1979636	7598180	4257588	7054565	7236198	4372275	5691146	6092981	6784032
9.992233	9	4	5	1982810	3420838	1522045	3250956	2150025	4371193	5406763	3392754	1658666
9.554967	15	5	5	1150366	7015251	6038431	7494209	4331341	13194459	12722068	1097241	7368064
10.97242	10	5	5	216146	1162442	274917	1135401	319563.8	955889.4	1603240	1133858	912327.2

10.95835	6	3	3	1569900	3856613	3616508	4148408	2747612	6891816	8617531	1597239	1037456
10.02372	9	4	4	562475.4	1061970	791785.8	999534.7	562511.6	497106.2	644046	575320.6	2387246
10.0614	9	4	5	377650.6	1120231	215325	1091123	395359.5	1088622	1193564	1431997	1041989
10.94443	3	0	3	1097266	2256512	1292270	2363963	1069682	1484380	4323820	1400532	1336644
9.864767	10	5	5	10613310	78659258	3868414	77975802	9786017	78930625	72526209	81932205	81967032
9.976317	10	4	4	56136412	98161101	1.86E+08	1.15E+08	1.94E+08	16075384	16359265	25783006	4.31E+08
32.47467	10	5	5	154029.5	696597.4	263614.1	676849.4	157545.4	585694.9	537052.9	517542.9	689907.8
9.992233	10	5	5	1129852	2227748	713292.8	2133339	1281398	2667844	3109025	2264945	1283348
10.02372	7	4	2	400164.5	775868.8	488839.1	728602.2	556955.6	772913.1	95144.43	551700.2	1352500
10.008	10	5	5	1512587	2550389	1171286	2417879	1709983	2960638	4316966	2432059	1339700
9.994767	9	5	4	769824.8	1717222	865373.3	1626591	1127744	2087229	3030977	1424242	822265.6
9.848417	9	5	4	2562284	8567316	1818114	8359167	2703781	7970623	6309077	7874690	11046134
9.874317	7	4	3	572020.5	1986202	567851	2048806	800204.3	1816142	1302908	2596755	2550184
10.92208	7	4	3	148838.2	365484.9	196308.6	349175.2	164880.7	684301.4	358115.8	173241.3	241123.5
9.3907	9	3	5	1678687	6196504	2153964	6491230	4055233	3947614	9259428	4345136	6992336
9.960817	10	5	5	1973563	3816958	839363.4	3983680	2432701	4657183	4087149	4458716	3155618
9.992233	10	5	5	1122807	3122116	700967.7	3023232	1371082	3860023	3571749	3353739	2131388
42.79783	7	4	2	646183.1	5396014	4224149	5689938	1701097	514749	6901348	2971099	4936685
10.94443	5	2	3	180848.8	402656.4	120249.2	416086.8	173065.5	484918.8	532684.7	443375.5	260340.6
9.932033	10	5	5	1177131	3763400	1232253	3667691	859442	5293556	4856241	3129309	3050163
10.97242	5	2	3	599289.9	1411572	276196.7	1455811	629260.8	1646376	1526826	1559111	949286.7
21.44733	4	1	3	65541.17	238138.1	58352.8	233027.2	55623.96	219885.8	306998.8	270713.4	151689
9.976317	8	4	4	1041979	1596968	1125555	1710847	1397202	1994233	3210348	1525039	168154.8
9.445217	14	5	5	2.26E+08	1.98E+09	5.34E+08	1.93E+09	5.88E+08	1.73E+09	2.5E+09	2.61E+09	1.63E+09
41.388	3	0	3	332604.3	4603247	130251.6	4539694	966859.6	4509733	4764962	4675478	4627602
10.96015	4	3	1	686336.2	994284.7	411876.9	956806.8	428253.5	1558702	1122631	1092270	495742.7
11.52297	10	5	5	3605195	20822026	3262585	20453882	4809526	25896815	20303945	18783110	17414975
10.00385	9	4	5	747987.3	1362218	424703.4	1302822	829220.3	1595579	628416.7	1672148	1542227
9.986767	6	3	3	445884.3	646355.5	406026	685802.7	475207.3	1177219	858048.4	688135	145878.3
9.887133	7	3	4	2329247	4617500	1347597	4367133	3661342	5118126	3373878	4776228	3286218
26.8555	10	5	5	704350.9	4038676	805299.5	3965288	843202.6	3758395	4937273	3295701	3343307
44.73917	7	3	4	347205.7	5175173	1504878	5041528	1499481	7635755	3788656	4135951	5181716
10.008	9	5	4	396112.1	1148897	223783.4	1124025	324493.7	1096376	1327290	1005205	888616.1
35.93467	10	5	5	623795.1	4911607	1937853	4749479	1703452	6844408	4070013	2302792	6814878
10.79303	6	4	2	122687.9	250839.5	125887.3	240697.9	100820.9	220679.4	431715.5	301370.6	209211.9



10.9645	8	4	4	411006.1	1176376	255626	1211338	489439.4	1530849	1357062	1068770	969665.1
10.9645	8	5	3	1003335	2736107	936887.3	2646237	1084902	4055582	3206507	2573215	1607440
9.68775	8	4	4	495572.8	1063385	186294.9	1029997	489645.1	974994.4	1094319	1295422	801491.1
9.992233	10	5	5	1421234	3303431	1210618	3165332	1830840	4117199	4788060	3362504	1797798
9.419733	5	3	2	1416935	5109792	6084369	4652957	3957833	1547751	1938721	5756449	15446638
10.44215	10	5	5	643165.9	2242221	942256.5	2312472	597736.7	1993468	3755366	2487581	1483885
10.9645	10	5	5	2369960	10276013	2606793	10073006	1914158	12843285	13155573	8355706	7418913
10.9645	6	3	3	703537.4	1906668	560302.1	1834556	996076.9	2612276	1826269	2331471	1480866
9.896717	8	4	4	4656946	22424142	2913391	21875359	8114868	25452753	19760734	23710446	24306417
39.604	5	3	1	235880.5	2441389	1505965	2539075	214715.6	2508860	2387398	1958621	587842.5
28.83467	6	4	1	221360.9	1283322	785503.1	1342217	515694.9	859636.5	1818923	768791.1	574714
25.2625	8	5	3	131921.8	609510.4	165520.9	594604.4	172448.2	338727.7	722861.1	729291.1	563680.3
9.487467	8	4	3	1744014	5660543	9750237	6348668	4900452	1431642	468910.8	23079211	1525868
9.23175	8	5	3	705959.6	1350959	573213	1396579	452915.4	1125802	691409	1133780	1606650
9.94455	10	5	3	1948546	4497941	1087125	4337226	2306543	3377469	3703745	5719696	4099952
9.857683	7	4	3	669465.4	2179133	1241629	2326631	2003728	1332319	2013619	1917517	1309094
9.888767	10	5	5	2061920	6524533	1794210	6746230	3055975	4696181	8732061	5210007	8109188
9.4925	9	4	5	1493594	6839753	2144303	7125691	4025952	4843516	5769854	5701968	7690419
10.93208	8	4	4	176011.3	544931.4	83435.86	564620.3	298697.9	526458.8	458521.8	621300.9	476122.8
10.9645	6	2	4	296737.1	668401.8	327696.3	642050	270758.9	886667.5	1118116	438745	325040.6
10.32433	7	3	4	258703	481587.4	230348.2	515948.6	497090.1	768127.1	671064	434172.2	275565.2
9.872883	10	5	5	8113449	41406127	4476035	41964439	7750602	49003677	39703001	37146601	40454221
9.992233	10	5	5	987630.3	3033442	900252.6	2954259	911487.3	4015089	3673750	3304740	2121368
10.45545	10	5	5	30891640	1.19E+08	18901323	1.16E+08	34348797	1.49E+08	1.15E+08	1.03E+08	1.04E+08
9.3735	5	2	3	404141.1	648615.4	497319.2	681880.8	178235.9	1018084	1248366	656310.5	249198.8
9.872917	10	5	5	6572826	45374995	6990849	44846638	4866545	46306886	34142685	44328463	52269702
9.874317	6	2	4	663369.5	2429929	547807.5	2506730	1100239	3010406	1836494	2438143	2937856
9.859983	10	5	5	6073441	35967304	979867	36232726	4075170	35641479	36769510	36441826	34393312
9.999217	10	5	5	826637.2	2545418	734048.1	2473954	894595.4	2731191	3550400	2754038	1635777
9.992233	10	5	5	1111009	3032345	835015.3	2916552	1658860	3869852	3699448	3249953	1934393
32.34483	6	4	2	483087.2	11079522	4117084	10787161	2268453	7170315	6642290	11332239	15047074
24.23017	10	5	5	677733.6	2867243	2341335	2705806	1097186	5025088	300700.2	2981774	5319492
9.071467	4	1	3	542434	568838.3	506017	614110.2	533326.4	389424.3	205538.5	469709.6	322208
30.26467	10	5	5	825250.9	5567459	1288772	5414231	2111146	6215401	7162181	5546440	3678025
9.983433	10	5	5	621962.6	1994902	664395.9	2050254	606113.4	2650616	2567636	2163291	1339906

43.50283	8	2	4	392134.9	7631253	1376877	7869322	3547158	7272590	8252702	8607414	8647009
9.976317	10	5	5	1022701	3328977	278482.1	3262853	1013637	3696275	3103982	3561701	3151345
10.95835	6	3	3	482406.1	955563.6	486654.3	990486.5	286094.8	1808033	728758.7	799407.5	589316
9.986767	9	4	5	1303147	3489325	1275474	3639872	2079984	4477233	5051204	2988388	1855771
9.992233	10	5	5	2812753	6187039	2267673	5931554	3472544	7722506	8895839	6399285	3288403
41.37383	7	2	4	396025	6078195	935882.7	6259461	2745361	5877376	5029407	7600355	6009402
9.673333	10	5	5	2661980	7238539	797826.9	7437774	3079704	7200175	8152011	6074374	6987371
9.05635	7	2	4	1239273	5219065	2630548	4964280	3227070	6345531	8243097	6292081	3718961
9.986767	8	4	4	420029.2	1096122	136754.9	1071533	370657.2	1125552	958508.9	958721.6	1164282
10.95835	9	4	5	397751.1	1339817	554420.1	1389111	586378.8	1682528	2111929	732412.4	1181606
9.62055	15	5	5	1.45E+08	1.09E+09	2.18E+08	1.07E+09	3.15E+08	9.75E+08	1.15E+09	1.45E+09	9.36E+08
10.9645	9	5	4	474185	1296443	392055.7	1332885	449524	1900366	1304651	824540.1	1319915
22.58433	7	4	3	152673.6	467983.6	221696.9	485376.5	178381.5	302275.8	834019.8	373368.8	516657.3
9.8445	6	4	2	554922.6	1510484	638806.8	1580791	952862.6	1044044	1244830	1802420	2492816
9.992233	10	5	5	2757497	7152165	2794293	7418903	3358269	9247911	10098119	8005735	4037490
14.04152	8	5	3	62887.9	407356.9	167106.9	392875	168753.2	534394.6	590173.6	183453.5	299914.9
9.673333	10	5	5	18797448	54231830	11685542	56070044	27320988	40227406	60285097	47991711	52005279
9.445217	9	4	3	984033.8	5179905	1928980	5492126	4667598	7095102	5288551	6947254	3952878
9.8322	5	3	2	1083204	2089562	793718.6	2016808	894139.4	1630862	1978749	3383510	2151945
9.976317	7	4	3	1051228	939271	650111.4	998515.2	725706.8	1350404	1820809	804906.3	193462.3
9.328967	5	2	3	706612.7	3858196	2092039	3691972	1759303	6198059	4847221	1982709	1331533
9.989483	5	2	3	290947.8	396376.6	98553.97	412957.4	249636.5	341818.6	525219.7	441288.3	265527.2
40.17967	7	3	2	624050.3	5482048	2159930	5293539	2241557	7873806	7042679	5908744	2686352
9.40615	5	3	2	3103546	10243936	11657617	11154947	9487879	24412337	3073877	1299840	21452949
9.992233	10	5	5	975867.3	2858679	961702.3	2947102	1098613	3438766	4038513	3060899	1928041
9.40135	12	5	4	1788117	12415214	2090344	12617403	2604088	10354781	12399348	15896269	11965927
9.01065	8	5	3	130109.2	405317.2	184876.3	423409.7	234815.3	431018.4	670603.9	462662.6	260501
9.976317	8	5	3	549989.4	1306714	197541	1287020	258432.4	1526826	1214626	1099571	1183299
9.721317	4	1	3	469162.8	902812.8	450603.8	864587.8	444203.5	1357152	187657.9	1175521	797207.3
20.3905	5	2	3	1195790	7497226	1261565	7743959	3803142	6405079	6179021	7751227	7852114
9.976317	9	5	4	636353	1556891	582891.7	1495553	828866.3	2138926	2206067	1272006	896735.9
10.9645	10	5	5	739540.8	2779959	680703.8	2854068	1016980	3482191	3493364	2572168	1977630
10.40908	10	4	3	38419084	3.83E+08	22329293	3.96E+08	2.13E+08	3.87E+08	3.78E+08	3.48E+08	4.04E+08
10.008	8	4	4	285613.8	773683.4	256300.6	796672.4	282511.8	672711.9	1109615	680522.5	456834.4
19.23333	10	5	4	557292.8	2796744	1560697	2946186	1923663	2364774	3570546	4743038	523097.4

10.008	6	4	2	275987	446322	292915.8	422883.5	255706.7	687191.1	0	729348.8	369691.1
13.14267	4	3	1	2560605	58416167	47370817	55439032	8152558	56646890	1.32E+08	75436.44	43760144
40.16517	5	2	3	466929.8	6500781	662993	6590390	1315076	6198542	6091937	6606780	5995411
10.95602	8	4	4	152098.1	438443.3	171477.5	421061	231772.9	532424	516626	274521	239683.7
10.45545	6	3	3	667057.9	1971968	426432.9	2024977	763003.5	2506136	2125362	1764702	1371117
9.845483	10	5	5	2141669	6691346	1378629	6891672	2988062	6487278	6086993	5800045	9115475
9.392767	14	5	5	2147656	9211353	5676785	9715456	6178499	16664804	3611041	4310863	8153541
10.95602	7	2	5	215688	549780.3	146957.1	536279.6	170044.1	591716.5	713368.8	605754.7	317685.5
43.50283	5	2	3	325416.1	5017677	438412.3	4889966	2027636	4550165	4921735	5117329	4789380
18.02733	10	5	5	4958849	33079556	2823188	32651447	6447240	38050629	32691589	31474977	31523204
8.9459	7	4	3	3517431	3686037	6283103	4176693	5238391	776585.4	1160101	1049329	527201.9
8.911617	8	4	4	317088.3	1507517	518634.8	1561608	735079.7	1711723	1923521	1798960	1476351
28.90017	8	3	5	114864.6	481216.5	145828.7	461553	290019.8	655893.1	321971.6	529433.5	560843.3
9.089733	4	3	1	1056439	1811080	1546110	1696267	1123672	1318871	624362.2	832755.2	1831341
10.9645	10	5	5	423670.2	1789668	452361.4	1757831	277168	2165867	2375468	1447004	1369031
9.43325	8	4	3	1867448	6463008	4441922	6826882	4186667	14075916	6179920	2912382	3819058
10.94443	5	2	3	2601232	5947290	4152208	5529519	5626324	6986248	1882530	1446273	8532575
9.976317	8	4	4	806451.1	1492680	613680.9	1423518	977554.4	1672161	2338760	1656197	787096.8
16.54893	4	4	0	65121.85	281159.6	58905.86	287464.6	87488.75	297719.3	369096.8	273245	256803
10.95055	5	2	3	156640.2	370466.7	136163.9	383367.6	168360.1	502543.1	516662.3	247359.7	229042.1
44.58117	7	3	3	358762.5	5241498	1587251	5401413	2162803	2653349	5614725	6949952	5805036
9.960467	5	3	2	619446.9	849634.5	649300.8	790788	747108.5	1370934	1566790	881974.2	0
38.741	8	5	3	1062556	4450222	4030729	4148785	3066544	2190052	1567772	876946	9447899
9.559117	12	4	4	729924.8	1494770	1111144	1608488	1556194	2332288	560062.8	787241.2	770392.2
9.856867	10	5	5	3020482	15134119	1292151	15339314	3159049	14938593	13605121	16194231	16682465
9.992233	6	4	2	503216	665715.9	149545.8	639408.5	410739.5	786826.3	622566.1	808900.9	436881.8
9.872883	6	3	3	4320919	7265252	9138468	6609479	6241452	780188.8	14277419	19810282	699848.1
9.960467	7	4	3	999233.5	1404804	267163.6	1455814	804945.4	1684300	1275075	1537558	1521445
10.94208	5	1	4	209620.8	484860.8	250231.1	503416.1	190225.1	344835.9	869215.4	598839.6	251193.3
9.3332	9	4	4	1739934	10544183	2383713	10097456	7043670	12720164	6757827	12418855	10180053
22.84233	9	5	4	146370.4	969825.5	147292.8	988285.6	273353	808187.3	1148705	857114.3	1093041
9.84525	6	3	3	27939834	37693058	60863584	32845986	55383359	1391542	1.42E+08	41194026	1352186
9.999217	9	5	4	575502.9	1306569	746733.3	1239348	863549.2	1869787	2172659	1384169	448935.4
10.73262	5	2	3	132510.1	357644.7	144487.5	348524	47237.54	489248	503197	310018.7	152349.6
11.50905	6	3	3	61410.09	235281.2	79156.12	229317.7	63261.65	376242.5	193566.3	198605.4	195338.8

9.976317	7	3	4	463286.1	769462.1	374959.9	800014	360838.5	1268894	873391.8	897331.2	499885.8
9.960467	8	4	4	1278433	2584230	1046805	2476745	1498119	3559897	3852776	2119306	1801786
16.09423	5	3	2	95291.93	390721.2	210207.8	376544.9	115557.1	634777.5	118408.1	568770.1	308373
9.824233	6	3	3	4130742	6519173	7538087	5944372	6270056	1337654	1397104	933157.5	11568808
9.903283	9	5	4	762928.2	1741981	414549.1	1793098	759702.9	1723471	1292380	1382559	2074113
9.93625	5	1	3	2199690	3520833	1500123	3621174	796794.4	4276564	1336752	5365977	3021985
9.8322	9	5	4	1059790	4532697	1478930	4645264	1229073	4670383	4925995	2892991	3463477
9.43325	9	4	4	578132.9	2872201	981665.7	2785435	1113822	2441906	2679041	1876003	4496938
9.994767	8	4	4	862319.4	1179304	928560.7	1240740	472413.6	2679774	447392.3	1479828	646793.5
9.999	6	3	3	334841.7	567974.4	164394	592693.7	383967	516552.6	798684.2	657718.2	370263.1
9.999217	9	4	5	919468.1	1617942	783685.2	1530798	1262229	2116694	2706674	1364200	765679.7
9.960467	5	2	3	334320.9	657088.6	409298.7	620089.7	484959.9	1122195	0	723135.9	789771.4
9.960467	6	3	3	9043342	11473277	13126029	12650623	15370544	2228608	1893099	1593932	24739077
9.419733	9	4	3	826632.6	4747356	2439007	4548919	2384771	4417358	4011891	8476689	5102011
10.97857	10	5	5	282966.9	966178.6	218368	983834.9	210904.1	1052443	1083730	757339.1	1219541
10.9645	10	5	5	2379421	10489903	2325571	10682711	2364651	12739949	13259873	8935812	8269001
9.447733	14	5	5	8736480	67831560	12355759	70263251	39052922	67246080	52931108	86751255	69610579
29.848	9	4	5	89717.45	377830.1	159659.1	388294.4	78942.84	388901.3	395525.3	161548.8	607914.1
9.840617	6	3	3	478470.6	891478.9	643868.8	843091.6	528265.6	1479032	1496979	510245.3	0
9.445217	11	5	3	1632707	9133565	2408248	8850076	4216421	9210628	12351632	10174374	8050327
9.949233	11	5	5	2432178	12160418	1150522	12002556	2433426	12045484	11300985	13733112	12833521
10.94443	3	0	3	201975	426648.6	169748.5	444665.5	259011.1	663220.7	550719.4	325269.1	294589.7
9.928667	6	3	3	1272708	2698756	1994050	2543187	1803357	1185474	3014367	6041813	1488321
9.983433	10	5	5	3928038	11525115	4387978	11136397	5090663	13803541	17638609	11142660	6464599
12.74778	10	5	5	790074.1	9182906	4243925	9515749	3899438	13866173	10429896	3996848	5540982
9.512983	13	5	4	1480037	2259351	1131430	2359008	1302533	481217.9	2447661	2062514	2772880
9.41815	9	4	5	1773969	5251167	321305.3	5147202	1724662	4784557	5545906	5258760	5551022
9.912633	9	5	4	1263807	5669276	1593502	5817125	2006894	4924676	3252728	6754400	7171197
9.986767	6	2	4	396150.7	731649.9	414306.3	773960.6	603615.6	532038.9	1411129	750613.6	308615.3
10.94208	7	3	4	299680.6	678157.9	323357.1	651211	338535	1074353	973399.4	447543.7	361898.9
9.976317	9	5	4	631218	1421287	618299.4	1371772	598301.8	1827329	2206056	1409804	668982.6
9.8445	4	3	1	5988376	8665078	11144381	9482207	8783112	12875004	947008	26472285	1225229
10.9645	10	5	5	2345049	10262638	2618019	10076612	1888975	12890717	13122933	8387609	7387292
9.333667	5	3	2	730840.9	1916965	687128.5	1999825	1254908	2402431	1284558	1199741	2776345
10.008	8	4	4	611574.3	908216.5	163476.4	870211.8	625752.4	823727.6	951996.9	818731	771620.6

25.40583	5	3	2	334998.2	3242098	1242600	3163267	538292	4091696	3029737	3492342	1224689
9.9014	7	3	4	1048004	2138154	938525.1	2070289	716424.4	2819551	2616209	1421058	863787.2
18.96583	10	5	5	1069926	8144281	1684134	8257372	1004337	9298378	9685087	6542152	6102014
9.999217	10	5	5	829231.4	2371547	557316.7	2437110	989069.6	2966269	2894984	2361936	1827203
9.999217	10	5	5	1504899	3222087	1420351	3343572	1587245	4098695	5102247	3209727	1842703
10.45433	4	1	3	70336.76	125297.2	91907.44	118396.3	78839.96	276150.2	76650.18	60884.32	62802.71
9.859983	9	5	4	3268869	14649468	3225998	15135888	7772449	13146678	11634034	12662986	16293196
9.999217	10	5	5	540204.9	1158718	435254.9	1116977	588803.3	1335032	1722602	1257255	585588
9.976317	10	5	5	3057168	5458580	789706.3	5656843	3309997	6273889	5483859	6124243	5060188
10.95835	3	0	3	312385.7	652017.7	315354.8	678565.4	346829.3	856382.9	1094961	477036.2	321872.3
10.96997	9	4	4	254589.2	909957.3	431956.8	879505.2	319391.7	751440.8	1018753	255109.8	1135062
9.419733	4	3	0	258616.5	987216	385964.9	950877	512744.8	763709.7	1478416	1100215	1128087
10.008	10	5	5	942863.8	2294856	824491.4	2362624	872996.9	2805891	3274937	2500241	1356633
9.445217	14	5	5	10066358	89201697	20133534	86884772	35423841	76518223	1.01E+08	1.19E+08	74727374
29.87767	7	5	2	151455.8	689531.3	222294.7	673247.7	183985.4	347181.7	943893.2	643914.4	707596.7
9.946467	8	4	3	5131739	7269554	12287974	8147962	9544598	29218548	1180029	1294056	1787404
10.01477	10	5	5	438588.5	989055.7	167858	969762.4	295528	1091337	1224227	953856.9	841144.7
9.994767	4	3	1	315079.8	461038.9	190541.4	439142.8	335623.6	198292.9	731935	478165.6	481500.3
9.964417	9	5	4	1175774	2839780	1043514	2917871	915170.5	3649439	4012504	2550326	1357678
10.008	10	5	5	1062716	2258602	925136.2	2343941	1200103	2574388	3645836	2212506	1319360
9.999217	16	5	5	1037816	2443993	1621921	2569394	1532693	3271911	729582.5	1381005	2028109
9.992233	9	4	5	586765.1	1489245	470510	1448038	562402.7	1983391	1721737	1769199	1019837
43.09967	8	2	4	370629.5	6007127	3755466	5723379	3386584	12692582	4034289	4810085	3922098
9.43325	11	5	4	892733	5376528	3353572	5580040	1213527	7123333	7710809	8542842	2067165
9.8207	5	3	2	608871.4	1456866	599940.4	1513984	821408	1478326	643672.1	2310748	1578966
9.9677	10	5	5	3162584	9043656	3502013	8729322	4379254	11871613	13388045	8344918	5197228
8.93965	10	5	5	1416399	5152876	2755488	4917552	3172565	4617888	9930595	4109424	2828128
9.857683	5	3	2	2074744	4416507	2262939	4273158	1144020	1198398	3264876	6869158	4686583
9.896717	9	4	5	1940090	6918873	4106016	7241126	4046879	4525029	4061211	5331508	14055562
10.94853	4	3	1	285868.3	1236986	366484.8	1205719	422286.4	1843092	966518.6	1317721	986813.7
9.11795	10	5	4	829646.6	3190334	1057167	3073978	1776863	3279896	4989099	2415653	2690933
10.02372	7	4	3	313837.3	639648.4	165113.5	657183.3	264654	659200.6	707989.3	810385.9	654209.6
9.554967	9	5	4	423988.2	928431.9	261101.5	907671.3	264480.1	851662.4	1361552	726156.3	736451
9.388367	5	2	3	1220338	4324122	1659350	4528045	3210863	1623615	5426746	5059828	5647486
12.13705	3	3	0	49820.52	152741.1	35795.19	149260.4	50791.89	112114.2	154953.4	204736.2	164309

30.18267	10	5	5	189748.2	1045021	455090.2	1008082	480445.2	1672309	1039331	996564.7	392176.6
18.96567	10	5	5	5202881	39789664	6010322	39236812	7853380	41825221	41864605	46527227	30377398
9.972483	6	2	4	1278267	1677216	1011677	1569621	1630413	2321474	2985377	1595962	417306.3
10.14983	6	3	3	11003921	20638436	15296630	19393580	16277109	10634206	7057552	33960722	40283228
9.952017	7	4	3	2742848	4365050	1296633	4237482	1877613	6387181	4063172	3581809	4760379
9.970617	8	3	2	1321072	1848965	1061156	1914771	482815.3	2391344	0	2107764	2076665
10.6618	7	4	3	160230.2	287338.1	134364.2	277141.5	124587.2	178048.8	182356.4	324641.8	248937.4
18.65867	6	4	2	59206.55	185656.9	50949.12	180970.6	66937.33	219476.6	183500.1	104968.1	182580
10.58733	9	5	4	187484.9	482372.5	207053	466828.7	188328	309423.3	839362.8	415995.4	386110.8
9.960467	5	3	2	454857	928108.2	515828.7	885567.8	566754.8	1597422	1236317	907370.5	271960.5
9.992233	10	5	5	600430.1	1587542	409816.6	1547674	586816.4	1937110	1952944	1752389	1117056
9.874317	8	3	5	1191945	3229398	934037	3365967	2235956	3659786	1656000	3877715	3855038
9.262217	5	1	4	673565.4	3944458	1623987	3703526	3954533	4975856	1198820	5031860	4790848
43.02817	3	3	0	361973.8	4871873	670986.7	4911914	225423.4	3967210	5180094	5754440	4912684
10.97857	10	5	5	412833.9	1498666	271649	1528308	456221.4	1464965	1595246	1686707	1703259
10.93618	7	3	4	165543.2	778390.6	314200.9	753657.8	316841	1062746	548073.2	513659.9	593300.5
29.84833	10	5	5	20909956	1.82E+08	24749595	1.85E+08	29584745	1.81E+08	1.83E+08	1.5E+08	1.78E+08
39.17233	5	3	2	200213.5	806091	461764.9	775924.5	283603.7	233444.9	915513.5	869202.6	1469279
7.278817	10	5	5	1852899	94046647	37053695	91578002	24497026	65396669	1.45E+08	1.04E+08	1.06E+08
9.887133	6	2	4	1165018	2877976	1147967	2975054	1328359	2793913	2296818	3037829	4675531
10.008	6	4	2	388190.4	526915.8	326979.6	555804.2	406972.1	607349.3	981867.3	529410.9	71497.13
9.856867	10	5	5	7430406	39334336	5088976	38682122	10526890	39180508	32075001	43525008	44694925
9.999217	10	5	5	1186204	3304212	1338277	3211204	1024437	5407658	3759825	2931478	2249281
20.375	4	3	1	130164.8	773744.3	287766.7	799031	357990.4	882905.8	1050476	485424.6	1003215
9.864767	6	3	3	624879.1	2214266	502602.4	2252790	489249.3	1431291	2134036	2408067	2803271
10.008	8	5	3	642141.9	775501	169864.7	828065.2	916266.3	867296.3	820888.1	639262.7	567220.8
9.842	6	4	2	1228514	3003193	1346389	3103448	1234892	951411.2	2756754	4669430	3271966
9.994767	10	5	5	2687536	4003575	2426103	3841268	1673123	6025798	6418379	3970778	400828.5
9.976317	10	5	5	2003178	4391852	800505.8	4516493	2085495	4993300	3652484	5400666	4315499
40.13633	9	3	5	272036.4	3381580	1981813	3578105	2966231	5331009	2986035	496543.9	2919287
9.864767	10	5	5	1081658	5649697	1281614	5800038	2394330	4595234	5722679	4382871	5961250
18.18767	9	4	5	362497.8	3460875	500867.6	3506446	661391.4	2656295	3646659	3442305	3536508
10.21522	10	5	5	17685082	53199720	11919493	54670050	23716609	70838297	57367520	44516780	40380943
10.18477	15	5	5	3133730	8380725	5381762	8759866	4341582	9509908	3681258	12774621	14004147
9.992233	9	5	4	2259715	3816911	1562711	3627928	3037171	4611187	6102627	3185068	2084435

15.76082	10	5	5	145210.7	488271.3	245315.8	523423.3	584848.7	300522.3	361080.6	869362.1	599892
9.45945	7	4	3	810260.4	3482775	1149251	3372584	1651413	3798725	3128332	5329072	2492939
10.9645	8	4	4	193953	641065.7	212931.5	621938.8	277792.2	656920.6	959202.5	429190.7	462641.1
40.17967	6	3	2	395464.4	5267835	486499.9	5331939	1053333	4916602	4649237	5812830	5316793
10.95055	10	5	5	690423.4	2301494	1225277	2217642	927807.8	3340242	3650957	1905181	611185.4
9.94455	7	4	3	532072.4	1210726	219283.9	1179802	515216.6	1490222	1119494	1314878	1226226
19.80933	8	4	4	80418.54	247724.3	90476.48	242470.2	27570.62	405627.4	225459.9	206765.3	224417
9.328967	6	3	3	1438105	8507284	4139750	8162905	4791281	8959512	2178409	13231113	7453984
10.94443	7	3	4	1054314	1896096	515295.9	1972467	1282990	2482884	1986116	2177296	1710120
10.02372	7	3	4	366857.4	997173.2	419457.5	962548.4	479694.7	1114150	1602055	794507.5	465218.2
15.8626	7	2	3	638350.1	5647956	3133238	5417996	2852940	3530599	5812068	2363734	10531301
30.09567	10	5	5	3619179	24408353	5020951	23760981	10661121	18496921	24626449	25503741	21507483
9.992233	6	3	3	329407.5	620428.3	400504.5	651004.6	397202.6	926367.1	1070352	665239.7	112763.7
9.848417	10	5	5	1623530	6469889	841739.5	6599820	2200317	6751344	6163866	7410510	6835538
10.008	8	4	4	1118089	880403	690588	828024	676035.3	594086.2	721996.8	643583.6	2090727
9.419733	11	5	4	2017843	17967906	3817210	18270125	4065824	13531972	20473597	22272385	19124004
10.95095	3	0	3	343935.8	751695.3	508875.4	714090.8	472581	509115.4	1558811	348364.8	397352.8
10.9645	10	5	5	881063.1	3475833	932378	3408778	814995.5	4413239	4529866	3002422	2480940
9.960467	10	5	5	1813290	6300782	1308262	6188934	1599337	7244927	7960493	5854193	4641715
9.530583	10	5	4	2633613	12984961	9014730	12265265	9795237	17988634	3159318	3174175	20008807
10.9645	10	5	5	415339.7	1391948	428296.2	1363037	318086.3	1859654	1754538	1143184	824996.3
11.02755	6	3	3	64389212	1.62E+08	2.2E+08	1.8E+08	2.45E+08	1715119	1772974	3.97E+08	4.09E+08
8.985867	5	3	2	510598.8	2500178	1723600	2620466	1422921	4445483	3955675	223791.1	1649517
22.0015	5	3	2	79716.25	225288.9	137196.6	216997.1	66453.24	222829.5	455042.4	175754.7	182484.8
11.7578	7	3	4	83918.8	224171.7	39971.18	218583	94315.81	246669.8	154524.1	241581.7	227031
10.94962	6	3	3	262910.1	898753.5	353230.9	865261.5	511579.9	412597.5	847466	785251.8	1091255
31.16317	10	5	5	41609.22	194449.6	88592.07	201415.6	94927.65	126132.3	214349.1	129395.9	162695
9.494433	9	3	5	20764854	89795606	54199202	85443845	60344986	3009955	1.01E+08	1.12E+08	1.5E+08
9.992233	9	5	4	561308.2	938036.8	396492.8	972714.3	509632.7	1159737	1459879	782285.3	409249.5
9.371417	7	4	2	416319.3	3002652	1344920	2907277	1164760	3684023	723080.1	4226131	3129100
9.946467	10	5	5	877161.2	2920061	475996.6	2954291	427806	3470044	2820681	2623581	2345931
11.27298	9	4	5	603454.4	2448219	1315243	2343987	1439781	4633651	1967346	1639429	1345826
10.9645	10	5	5	543449.2	1892702	978538.4	1964339	917228.7	2850635	1734437	701020.7	1254886
8.93965	6	4	2	2003534	2763237	4332703	3068580	3730314	1099595	1198679	10491889	598452.7
9.43325	6	3	2	2043229	6913500	7915140	7434561	5682265	15977405	1621861	15167202	843955

9.4925	13	4	5	4148310	20765170	13408150	21848114	15249502	21509255	42519197	19769912	12577499
27.25633	9	5	4	240226.9	529493.8	350591.9	571060.7	687403.2	229706.8	372902.6	452325.7	457906.9
11.27298	5	2	3	208226.1	1060391	328587.6	1013759	796712	876688.7	568190.7	1283015	1329331
10.00385	12	5	5	1394700	3493116	1683218	3363549	1766512	4791447	682331.2	3535610	3651676
10.95602	10	5	5	248091.1	920034.5	217803.9	901803.3	265991.9	1019585	1250716	726800.8	751188.1
9.858833	7	3	4	1731624	4488605	3894193	4253830	2033291	11126663	1230841	4149703	3756018
10.008	8	5	3	499515.3	916210.6	104147.8	887050.5	526943.4	908044.5	821400.8	864953.3	893802.5
10.008	6	4	2	241988.9	496233.4	134145.5	480117.5	270073.6	545371.8	654618.7	543734.9	299063.6
9.960467	10	5	5	1831608	6183485	1456922	6070215	1572617	7247641	8111938	4927659	4788871
28.59133	5	3	2	77751.8	171661.6	88394.58	165168.3	85423.9	99963.86	246141.9	98190.48	127413
9.999217	8	3	5	400581.7	775258.9	287295.3	800915	390478	1056546	1092456	714762.7	474305.2
9.538267	11	5	4	1217472	6852685	2163108	7332252	8611940	9482696	5984440	8751766	5629683
9.95825	6	3	3	1309522	1750106	623235.9	1684071	1075942	2213078	2596549	1373338	1132100
9.93625	8	3	4	1668543	2343080	1328958	2261921	753087.8	2855656	0	2858782	3301696
25.3635	5	2	3	156317	646552.4	314251.1	671184	346124.3	437686.7	1118888	426299.1	426394
9.845483	10	5	5	839958.2	3950771	473439.6	3877989	1272993	4133836	3496834	4492307	4219863
5.653533	5	4	1	485263.1	6864237	1574643	6721662	2200465	6327649	8286398	8722555	5050859
9.94405	10	4	4	1712841	3849552	1469257	3981294	2026192	2939920	1714676	4827807	4601563
9.983433	7	4	3	791828.3	1953247	996064.3	2031599	1114361	1845342	3462248	911382.8	1258925
9.9014	10	5	5	822251	3033494	651171.1	3109960	1288398	3440295	2034612	3359462	3608807
9.358417	10	5	5	2711941	8308794	6985005	7790869	7054067	4246493	3820698	4375700	8844056
9.983433	4	1	3	773430.6	767969	799348.4	834480.9	990912.9	2009441	0	754714.2	937039.1
9.8445	9	5	4	734045.7	3632549	452296.7	3680095	785545	3770180	3978501	3238605	3077604
40.15283	9	3	3	393666.6	3526105	1473242	3645684	1764706	906339.4	4301590	4376390	4033478
10.9645	10	5	5	11727087	50453729	13530286	49595336	9427537	64789303	64510281	40144180	35962552
9.610767	9	5	4	604755.9	2123644	421492.1	2168017	737269	2280310	2769883	1828241	1708011
9.992233	10	5	5	513238.2	1513349	366748.5	1549567	590619.3	1925827	1645020	1734138	1062947
9.976317	10	5	5	3154527	9036243	3572612	8745771	4325720	11886626	13422337	8577863	5142062
42.7545	11	4	3	254316.9	3202325	1139570	3277436	898177.5	2089536	2904958	5126179	3077005
23.552	5	2	3	147492.4	601966.2	302929.1	628843	421122.2	771651.3	243923.2	918656.9	312468
9.95825	3	0	3	943418.4	2279703	991326.6	2367316	1370992	2487254	535275.4	2632339	2773732
11.10065	5	3	2	843648.5	2113184	1585406	2250478	2126866	4074599	3348543	1486619	126220.3
9.445217	13	5	5	1065745	9721747	2099698	9871506	2002965	8320385	11933079	12061184	7729447
22.79833	8	3	5	303821.7	1045676	298685.9	1019154	416979.2	536307.8	1221388	1249822	1019711
10.92828	5	3	2	286706.4	769833.5	348315.5	747405.7	259089.1	1019058	1174062	444536.7	382014.7



9.392767	3	3	0	466981.8	1400167	450869.4	1362311	579128.5	1050030	789752.7	1803170	1672238
9.976317	4	1	3	634652.7	876398.6	493374.8	921723.3	724944.4	1094346	94655.7	1368814	1099214
10.03258	7	3	4	829104	1462242	934289.6	1527586	860886.3	944090.8	681017.4	1425858	1202938
10.42575	12	5	5	487767.2	4758443	885969.7	4671133	1437896	5852523	5030616	4683751	3395363
10.95602	9	5	4	360348.5	838007.2	399978.7	808334.8	417203.1	1222325	1272670	770189.4	371383.5
30.16817	10	5	5	6607292	48642437	7532157	49697370	18761638	37112264	48933367	55042267	46521424
9.960467	9	5	4	719829.6	2055353	294204.9	2019698	620016.1	2266940	1950141	2456194	1778502
9.8445	9	5	4	1771211	6927964	1705538	6779230	2341065	7121672	7051236	4748092	6263212
9.983433	10	5	5	3843904	11552214	4301988	11204363	5254041	13772253	17494150	11296117	6486580
9.94455	7	4	3	922672.3	2028360	674333.4	1985481	495579.7	1254789	1854576	3013964	1678976
10.95055	10	5	5	366750.6	1973569	575753.9	1919359	884956.1	2740226	2232913	1550286	1278418
9.4468	8	4	4	2022429	6647029	6924174	7043495	3287487	18899855	2098490	4334303	3218909
9.374083	6	1	5	868389.9	2138046	1385482	2305666	2933806	1516645	4423986	2427757	1352117
10.008	13	5	4	865845.3	1455773	794687.1	1519914	972559.7	2357516	1192139	845099.3	645133.5
9.18195	6	3	3	6777099	30611521	34784377	28230692	31173481	5198478	1941803	9024931	73089990
9.992233	10	5	5	1912448	3198329	1533582	3342692	2365932	3949306	5376788	3096463	1572544
9.507167	11	5	5	963647.9	5816491	3636531	5543943	3926226	7921614	4348196	2958570	2703552
9.992233	5	3	2	835039.6	915018.5	78717.79	982065.4	1275104	859057.1	950831.5	857265.1	1037641
10.97857	9	5	4	303145	1421825	365374.7	1450234	422307.1	1558441	1726420	1125140	947014.8
9.912633	5	3	2	1786877	4813425	2959837	4599417	3001169	3121664	9862435	4757198	2376646
9.37735	8	3	3	803923.1	3616019	862162	3769666	2834970	3729637	4947630	3700916	2782585
9.976317	10	5	5	1743107	4058589	1952698	4201566	2031837	5467490	6578978	3781402	1941848
9.856867	8	4	4	1463179	6113408	490629.5	6201028	1617860	5514558	5817715	6785171	6367509
9.856867	10	5	5	681084.4	2293056	635471.5	2329837	334104.6	2408023	2476000	1405871	2036380
14.57592	8	4	4	50221.83	202803.7	54536	197361.4	91536.44	289330	175822.3	142577.7	208365
9.994767	11	5	4	2569837	4146868	1705962	4310566	2721075	4737074	6714760	3495447	2140952
9.932	11	4	5	822049.4	2342873	363937.2	2417921	1400575	1927807	2778529	2670103	2177820
30.19367	4	1	3	82781.62	201096.1	89725.51	193772.6	113257.4	314806.5	205346.2	234683.7	67689.55
9.994767	11	5	4	539111.3	990597.3	303447.7	1028843	681084.1	1224679	1336234	795227.6	595899.5
9.992233	8	4	4	9.24E+08	1.03E+09	2.28E+09	1.2E+09	2.68E+09	3357782	5314406	5.11E+09	3381152
9.994767	10	5	5	1105386	2616273	1144856	2519577	1527793	3017844	4254799	2692935	1283534
9.912633	10	5	5	1471703	7508595	619461.2	7589492	1451062	8140059	7606506	7070638	6694932
10.9645	17	5	5	5638215	5890624	5993874	6691206	14416242	2583091	569994.4	1907851	10065730
9.1892	10	5	5	6092362	14732313	4334248	14191898	9629352	14171311	14157935	11096484	12123084
10.008	6	3	3	477226.8	983625.8	142941.3	1011097	512410.3	1106623	1137909	964848.1	787169.9

14.03425	10	5	5	1525778	10405614	4048626	10781746	6218132	10988866	9097311	16635608	9838163
3.55515	5	2	3	98769.18	1648427	938057.6	1715528	944148.7	2623.912	1850408	2199514	2279401
10.9645	10	5	5	335437.6	1222985	430814.6	1186765	572959	1733890	1637689	859313	843894.3
9.933967	5	2	3	1112562	2208679	1408511	2294193	938170.2	3821322	86477.61	3014698	1798106
9.992233	10	5	5	1879443	5996352	1382262	5885810	1708495	7159739	6728631	7103570	4590579
10.01477	8	4	4	255101.8	659132.4	242155.9	678992.5	312005.5	560815.4	1053857	462922.2	495971.7
9.03715	11	5	5	2121717	7518180	2782223	7857677	6074483	7883776	11639564	8195618	5092580
9.992233	9	5	4	374437.3	1152037	203623.9	1177644	460559.4	1403125	1218869	1215987	857812.8
9.859983	10	5	5	7015586	34897030	5415471	35454944	9626697	38122773	34122461	26601692	41013965
10.72028	9	5	4	21456182	1.75E+08	25817564	1.7E+08	84161278	1.98E+08	2.06E+08	1.62E+08	1.48E+08
10.95835	10	5	5	445476	1628816	466584.7	1595260	482607.3	2030238	2225813	1287538	1198089
10.9645	10	5	5	464375.3	1986460	456853.4	1954623	444604.1	2546638	2347341	1653140	1461284
10.63232	10	5	5	323238.1	1045033	515981.7	1077100	381028.7	822140.9	1872357	1155261	865579.3
9.872883	10	5	5	2284130	7661511	1130414	7799018	2479267	8955481	7830976	8448012	6896117
10.008	10	5	5	1016550	2139058	845326.1	2065689	1201900	2679900	3237827	2026316	1075522
9.920517	3	0	3	1192729	1299264	457169.6	1344518	778627.4	2034398	911669.4	1023707	1446089
9.848417	5	2	3	9266424	5394103	8042512	6131908	12371857	1449345	19713180	1798840	949305.2
9.976317	9	4	5	713596.9	1839010	590485.9	1887215	766652.4	2329824	2573772	1573818	1561822
10.95055	8	4	4	1139273	2831259	859900	2756136	1236627	4086016	3233034	2044124	2061623
9.992233	10	5	5	726923.5	2112082	579026.5	2068125	668349.3	2634698	2294099	2619807	1360756
9.992233	10	5	5	2961273	9175209	2416939	8987039	2925143	10563475	11983452	10035903	6757141
9.976317	7	5	2	816323.8	1417789	91979.43	1479148	1199554	1449175	1283930	1385108	1534029
9.989483	7	3	4	314289.3	709101.3	500516	742061.9	440453.8	1313160	0	736197.2	492554.2
44.9835	9	5	4	523298.1	3324950	465543.2	3295905	357241.1	4084238	3402639	2864290	3162816
9.3735	7	3	3	2779519	9077657	9076528	8449265	8926414	1739900	3676279	2012844	18476577
10.28695	11	5	5	6202404	11502434	6107564	12015116	8365624	14765351	19990203	11055837	4748159
9.952017	7	4	3	520208	937332.9	481413.4	974875.3	587853	1173959	91706.42	1284836	1045602
10.95835	9	4	5	238733.8	726436.1	319563.5	744567.4	175444.4	1085052	1049225	517563.8	389139.3
9.406667	9	5	2	846627.6	5357081	2810435	5166983	2649251	5877155	583235.3	7651835	7157967
40.97067	11	4	1	334048.3	2565868	2119542	2450108	944167.6	5618659	3006200	3111598	511579.6
9.928667	9	5	4	515673.7	1888044	297858	1855352	586103.8	1606594	2393604	1815219	1771623
10.9645	10	5	5	11589093	50181627	12602553	49404172	9478564	64611666	61776989	40998101	35996254
10.9645	5	3	2	216987.9	693690.2	301549	668002.3	424303.5	1116869	819218.2	371942.4	439475.4
10.02372	10	5	4	332978.1	847244.9	188565.6	868650.5	386703	653072.2	658393.1	1087410	940769.3
43.53133	4	3	1	319632.5	3186321	1683630	3087537	1080340	2789891	6022826	2543580	3031700

9.9677	5	3	2	930294.3	2145421	1890615	2249331	897480.9	5499000	1062035	1710173	1275544
9.859983	10	5	5	6158615	36215251	1213920	36422962	3965865	35611446	36900223	36757998	34391434
10.00998	9	5	4	377588.3	922627.1	319863.4	957033.2	616806.4	756750.8	1299442	1143996	485909.7
9.40325	7	4	3	471224.3	1681616	1116068	1608085	1003650	1192141	1274190	606656.6	1808133
10.22632	8	4	4	257164.7	747989	148095.7	734429.8	232280.3	641824.4	840989.4	961143.4	613523.1
9.046783	8	3	5	296774.4	797037.3	253746.4	782891.4	132063	1090727	1038253	721743.8	597399.9
9.999217	9	5	4	866324.7	1128167	531211.5	1094087	449208.1	1857703	711714.6	1531233	724333
10.95055	9	4	5	146043.9	439601.7	224576.4	427726.6	79520.34	730294	603788.1	401262.2	263399.3
20.79717	10	5	5	454505.8	1595748	642073.8	1551529	637820.3	1298343	1616900	786903.5	1740056
10.43382	5	4	1	157566.7	463780.3	178364.5	477378.5	213701.2	346449.8	714405.5	580431.3	284806.6
41.316	7	3	3	718053.6	7445302	3257565	7202556	3759044	5695508	10726243	6251202	3593173
9.976317	9	5	4	747564.1	1525237	535317.7	1477884	804894.7	1962135	2184386	1424750	940183.7
10.9645	10	5	5	5312848	24600920	5050990	25036669	7333464	29565671	30344570	21535116	19075517
25.56267	4	3	1	81182.32	232790.7	198669.4	221172.4	129972.8	138015.9	82555.87	127335.5	572022.7
9.992233	9	5	4	1282038	3736152	901865.3	3806403	1123632	4004808	4698360	3127011	2505753
9.8374	8	4	4	967736.3	2232626	1080917	2154437	1188557	3081136	2026205	990235.9	1487015
9.920517	9	5	4	3006891	6302526	1446505	6208246	1289067	8706990	6341594	5870417	5730924
9.992233	7	3	4	679075.3	864221.7	484768.9	912629.4	860657	778513.6	1653495	898176.1	360213.8
10.99268	5	3	2	250216.1	826863.6	295326.4	808996.3	217905.5	713558.7	1210691	452000.1	1025225
39.6185	9	3	4	370684.8	5427906	2462952	5610701	2848352	4465914	9793676	4459640	4643602
10.95055	6	3	3	1.14E+08	3.27E+08	4.44E+08	2.98E+08	4.09E+08	4167433	2495037	8.17E+08	1769316
11.52297	10	5	5	95717.79	486500	106891.1	477497.9	150948.2	616133.7	464863.2	349372.7	433236.1
9.457083	12	5	5	937146.3	3504218	1961457	3367744	2021692	5474636	1217468	4045458	1665606
10.96997	10	5	5	823542.6	5611022	481822.9	5730848	2360576	5933174	6041954	5244220	4954212
9.992233	10	5	5	2839480	7880912	2148359	8057684	2936853	10003044	9133906	9138280	5761338
25.23217	5	3	2	101091.5	669985.8	250290.7	651947	276927.3	660960.3	952419.4	575189.5	310685.3
10.211	7	4	3	323000.6	761054.8	227758.7	747006.2	180820.6	561263.3	991584.2	792899.4	965839.2
9.842	6	3	3	1130792	2457917	1506633	2364817	1207069	1804598	1561505	4778385	1031441
9.93625	7	4	3	2880924	12409645	3012230	12652907	4044496	16112523	11722342	14908657	10226825
9.460217	8	4	4	1740309	6881413	9486049	7429526	6235448	4054244	3147622	1082334	23738318
9.992233	10	5	5	1122044	2677065	1074515	2759963	1349954	3486030	3844225	2948947	1531132
23.73233	10	5	5	2134351	10023186	1509348	9917016	1621566	7506239	11314384	9852031	10951145
43.48817	7	3	2	793507.1	7924538	5043963	8278428	5406270	3054431	6347707	12002330	3811606
10.9645	8	4	4	388094.4	1276954	266751.3	1252575	430571.4	1511271	1549581	976993.8	1025142
9.976317	10	5	5	697776.8	1356667	361730	1328338	470411.2	1435211	1746898	1627394	1082360

44.98333	7	3	3	281248.7	2413640	438199.2	2469491	1067819	2504323	2536412	1662086	2815296
9.541433	9	5	4	348062	953783.8	184081.9	923502.6	595876.1	1165121	709342.4	1079007	982575.8
10.97857	5	4	1	804093.8	1745356	584158.3	1698936	781342.2	2497394	2176482	1267380	1131585
3.724617	7	2	4	447598.7	5799203	3452266	5553404	3857958	100213.1	5145273	8838276	7597028
9.94455	10	5	5	865961.5	2516895	541310.2	2481773	504949	3051601	3021516	2205555	1785751
9.983433	11	5	5	1781587	3005989	1681787	3137937	2211095	3968969	5326193	2839202	1203692
10.02372	9	5	4	414608.6	737543.3	206868.7	760539.5	433048	777788.3	1030776	782919.3	478296.1
10.008	10	5	5	1118061	2331757	774578.1	2262773	1225571	2810005	3310512	2327083	1324036
9.9677	6	3	3	492906.6	795598.5	472637.8	830549.7	567396.2	1060026	0	1176837	1001072
10.95835	9	5	4	242171.7	961578.8	133938	942507.4	373008.7	750536.4	1045956	1085711	1011256
9.864767	8	5	3	1767661	4139094	1327377	4023827	2034536	4377994	3108640	3228348	6341252
38.03567	16	3	4	306434.3	4060351	1329633	3946642	1998353	4378647	5096972	1739889	4693322
25.32033	9	4	5	76721.94	274934.2	158755.3	264609.6	150850.5	557784.2	197229.4	206905.8	225643
9.4468	6	3	3	420345.6	1685855	728085.5	1743148	969967.4	634156.4	1782689	1926241	2631296
9.00395	7	4	3	437979	1127038	374866.3	1092066	635047.1	1432577	1626215	812969.8	898468.3
9.994767	10	5	5	453205.9	1220945	409683.9	1252210	521338.6	1437409	1668177	1418056	703524.6
10.85773	8	5	3	260151.4	482482.7	303534.6	463934.2	251105.2	316459.6	957487.7	611774.3	227418.4
10.008	10	5	5	2874411	8092255	2384216	7939223	2217196	6500145	11688375	9326649	5971210
8.981583	10	5	5	36167932	5.25E+08	1.04E+08	5.16E+08	1.61E+08	5.1E+08	6.93E+08	5.41E+08	4.56E+08
10.008	8	4	4	401280.4	709445.2	383736	735310.1	395744.8	798058.3	1309854	654654.5	301381.1
9.915583	6	4	2	3981712	6938265	7346433	6538618	4227654	4176188	3104653	20054442	3315985
40.98533	4	3	1	355789.7	7111627	1748395	7196597	240477.2	9951218	5305901	6874356	7228131
10.008	8	5	3	321130.4	701292.9	184991.2	715074.2	229482.8	865152.4	786514.8	843226.6	561384.5
9.40325	13	5	5	1360183	9170714	2490396	8974923	3360462	7609480	9775276	13161851	6795525
9.992233	8	4	4	2527205	3758024	1527145	3598917	3007091	5308064	4976567	3751271	1475079
9.206	7	4	3	2349638	10619809	10108647	11310006	10815529	6098274	3208534	8668826	6763982
9.986767	5	1	4	1040857	1167695	446135.8	1128312	713274.1	1399210	1687595	1303760	897055.2
9.952017	10	5	5	1845985	5893038	561660.1	5827663	1269556	5761329	6699812	6171172	5240421
10.64557	8	5	3	357650.4	1123139	408648.7	1101309	225255.4	992387.1	1800614	1186675	789179.5
9.845483	7	3	4	531563	1654006	630540.4	1589579	1222262	906478.1	1410550	1470145	1889063
19.95717	8	4	4	206160.1	778671.1	360994	752572.3	431384.2	426293.5	954126.8	883783.4	394644.2
9.992233	9	5	4	1863031	3037760	1350586	3156843	2173713	3723449	4945564	2923892	1575228
9.859983	10	5	5	3994227	15466897	4121347	15827083	6559029	17610989	19104412	8848867	17612134
9.949233	7	2	3	3503535	5850427	3827595	5619371	3216503	10477131	3468746	9562308	2908874
25.32033	8	4	4	406735.8	3028869	1944079	2907677	1763876	1651337	4481517	405665.5	3602048

9.967367	4	3	1	1063591	3190694	2479860	3333072	1820810	6451233	1224176	1192289	5254439
10.98385	9	4	2	233947.5	626039.4	249479	640967.4	205807.8	408120.7	648167.6	393773.2	673608.8
10.008	10	5	5	516047.6	1599913	459067.5	1571515	413417.5	1806633	2258264	1529461	1050714
9.999217	10	5	5	4604388	8701665	3957210	8381740	5720448	11068521	14133386	8110098	4319703
9.328967	4	3	1	306885.1	862568.9	597006.5	911035.6	870349.6	1072209	79228.27	824184.7	1706802
38.7695	7	3	3	347999.6	4970007	1799106	4859386	1615716	2114400	4700211	5024049	6517700
9.960467	10	5	5	24123076	60623337	24018836	59089802	23402486	80889332	89832030	55899587	35075905
10.9645	10	5	5	916445.4	4537464	1035200	4601815	953578.7	5608523	5642475	3762788	3426726
9.419733	7	3	2	1783081	8166143	3814780	7886487	4771964	12806129	7658997	10389436	7362976
28.142	10	5	5	44107.39	295468.7	45202.12	289260.8	125510.5	346544.1	325032.6	236964	261791.2
9.994767	10	5	4	1814906	2382022	937551.3	2324763	831243.1	3906500	1767950	2178047	2540550
24.6805	10	5	5	294994.8	919639.1	492200	947688.4	366190.9	622998.1	1114471	321620.4	922722.8
25.2895	7	3	4	333184.9	1987615	1393292	1903471	1210542	1156192	3090936	439459.4	1475688
9.976317	9	5	4	778167	1696245	1081212	1751811	534426.3	1190496	1565796	687848.2	3527023
17.65833	6	3	3	61113.54	272051.2	117805.7	265458.2	83423.79	334369.1	399481.1	85593.53	287998.8
9.992233	9	5	4	2348627	4041599	1727142	3882497	3008892	4880141	6557401	3487962	2061946
10.97857	13	5	4	502107.7	1065949	373085.3	1092728	454387	1639556	917985.5	1144865	623493
10.95602	7	3	4	183438	573665.5	172035.4	587917	260159.5	704958.1	731421.8	392882.6	382206.7
9.856867	10	5	5	5527888	28860310	1594712	28543769	6602617	31209745	29701879	27792599	27274191
18.67333	6	4	2	3688341	15074958	8177383	14410380	12046172	3229746	17890488	17977597	11354438
10.95835	6	2	4	211444.5	551417.5	213835	539567.3	147940.9	454840.9	894274.9	399761.6	384633.4
10.01477	7	5	2	323196.3	768049	205411.1	749197	357255.5	736301.8	1076172	808528.4	507176.5
22.56683	8	4	4	256774.5	1261478	228212.8	1241670	368973.8	1434357	948104.7	1448724	1386562
8.91745	9	4	5	307389.4	736993.8	229167.3	725955.3	64066.02	993393.9	874374.7	819543.5	549799.2
10.008	10	5	5	1113189	2265506	931950.9	2335021	1214495	2492097	3685171	2273709	1299251
29.31033	4	3	1	60021.95	193579.1	25598.78	196918	67736.64	153385.1	185658.4	199235.7	216993.1
44.40867	6	3	3	366206.5	5657226	1033609	5592002	1004894	5545170	6982265	4172480	6156222
10.9645	10	5	5	285621.2	1177161	191558.9	1158199	368559.7	1416516	1306495	970908.8	1003670
9.848417	6	3	1	8323232	18669543	11428261	18057100	7181671	18067447	35137073	21346588	3406634
9.284283	5	3	2	707432.3	2037251	1679425	2135448	1386037	937458.3	4853556	714173.3	2236020
21.65483	6	4	2	89902.3	300760.9	174307.2	311837.7	173718.5	181013.1	579724.9	351148.1	146634.2
43.89083	6	2	3	273066	3871717	2603868	4004479	1322457	3611608	3499022	595696.3	7892792
44.48033	6	2	3	498104.6	5291140	819855.4	5227945	1142545	5827530	5459798	4833677	6199957
10.95055	9	5	4	361609.9	1863840	366165.7	1885834	327133	2025393	2288317	1516317	1443909
10.97242	10	5	5	299840	1128402	501257.2	1101151	343811.1	1831689	1391387	1073421	565483.5

9.328967	5	3	2	429112.8	1037734	596262.5	1000007	600576.4	791110.3	260004.2	1097267	1899252
10.9645	6	3	3	465704.6	1532161	627543.9	1493997	583254.7	2017298	2299343	814702.8	1048474
20.25983	10	5	5	2071642	16646771	2700134	16482880	2512058	18816938	19550033	13753977	13931876
42.28	9	2	4	345459.7	3663157	1099241	3606756	614912.1	2516998	3472711	5496155	3402897
9.43325	6	3	3	2012455	14367381	14157637	13627976	8607146	33348963	2536357	8336298	25307221
9.972483	6	2	4	461929.7	641180.8	219693.4	656281.8	260105.8	826540.1	803717.2	356528.4	452623.4
9.43325	10	5	3	372670.3	1964980	726081.8	2012335	784405.8	2045768	2029688	1396510	3094469
10.94443	6	2	4	319325.2	671978.4	373096	693511.8	311248.1	585173.3	1279716	456952.1	310581.8
9.284683	5	4	1	325044.7	1331720	663723.5	1380971	889901.1	1375908	648080.8	697732.3	2168484
9.4775	7	4	2	399339.5	1396663	582974	1357362	669392.8	1682864	1532793	2088556	1121979
9.999217	10	5	5	1584397	3287237	1397819	3381978	1620925	4141742	5018971	3534885	1800541
9.999217	12	5	5	8786143	13569633	10479142	14111960	6270620	24799866	25165617	6779505	4140778
9.864767	10	5	5	25624952	1.89E+08	9430904	1.88E+08	24670647	1.9E+08	1.75E+08	1.99E+08	1.95E+08
6.8961	10	5	5	2221682	1.12E+08	46281199	1.09E+08	38681459	1.89E+08	84254943	75812788	1.19E+08
9.311883	4	3	1	450791.1	1398122	742839.6	1451761	962862.2	1491772	649053	1095128	2614311
9.960467	10	5	5	24202892	60782961	24129897	59300764	23508391	81195664	90112209	55836760	34897245
9.571683	6	4	2	594536.4	909105.1	777764.2	868283.8	498888.3	1286913	272511	129699.3	826003.8
10.94443	10	5	5	1087488	3945526	1061411	4021274	1357110	3949104	2655871	4045823	3506415
10.9645	10	5	5	497674.3	2138769	581927.9	2104353	525377.5	2636540	2785364	1999494	1922754
9.460217	9	4	4	1982848	6408095	4320849	6171036	3227976	10311920	3326677	1163446	11135116
10.008	10	5	5	1015339	2255446	845090.7	2311992	974039	2828289	3218221	2480946	1376412
10.37347	8	4	4	208379.3	468748.8	110046	478939.1	202470.6	370817	356648.8	618360.2	531165.7
10.19043	4	1	3	400679.8	5755550	1291597	5687505	851014.2	7237895	5731693	5923123	3692547
38.42433	7	3	3	330541.3	4497597	769086.2	4429829	1331520	4569786	3860308	3758103	4622262
9.445217	14	5	5	19005298	1.64E+08	41681024	1.62E+08	34933055	1.37E+08	2.01E+08	2.18E+08	1.32E+08
11.147	10	5	5	610596.6	2979191	347284.6	2955306	422807.3	2810085	3549629	3033322	2855807
18.93683	4	1	3	47797.44	103686.4	62760.74	107200.1	50408.85	61600.47	142888.5	165717.7	15586.91
10.008	10	5	5	1101139	2247414	872266.3	2179650	1284360	2699896	3401463	2316862	1188574
9.59825	5	3	2	273862.5	845550.4	404018.9	863925.2	82432.11	895463.1	1330677	626090.4	289559.8
9.979667	10	5	5	605586.1	1450997	619985.5	1495083	802408.7	1797511	2177497	1666835	727525
9.91875	4	1	3	1077467	1783365	937069	1729486	814200.6	2680617	305339.3	1611313	1835899
9.986767	4	1	3	635553.6	652702.7	602575.4	696684.2	812696.6	1583217	0	779066.2	273324.3
10.95835	10	5	5	432470.9	1504579	426693.1	1478004	440477.2	1780177	2091292	1167219	1074051
11.55282	5	2	3	23969494	49660798	47051235	46247077	63035577	86578502	98908474	62509776	212010.5
9.268717	5	3	2	255787.8	538709.2	207831.8	552452.7	239973.6	588609	252384.2	826315.4	559362.7

10.58733	9	5	4	300570.2	1236363	565450	1207413	351783	986005.6	2154405	1379732	721295.9
9.848417	7	4	3	739293.4	2875541	840296.8	2815460	1105808	2799491	1473945	3198276	3249197
9.999217	10	5	5	4622187	8738511	3931465	8438256	5710860	10867020	14255084	8265531	4474485
9.268717	4	1	3	258240.5	405089.7	187035.4	392313.3	229625	161559.7	401990.3	432540.8	681770.8
9.857683	9	4	5	1501866	4362004	1558368	4238899	2380060	3884769	3713131	6414822	2411740
9.94455	6	3	3	23676616	71121873	91392463	66250461	66217782	7711001	1.82E+08	431096.7	5770916
10.01477	9	5	4	284272.6	591393.6	161180.8	578054.8	262530	519726.4	874495	567304.7	481831.2
9.9677	5	3	2	610764.1	1000900	75097.38	960256.5	913576	986186.7	1119139	975560.7	1010089
30.226	10	5	5	250044.5	1608934	577707.9	1648962	728223.2	1976068	2310466	1554518	792989.7
9.928667	7	4	3	1807913	2112956	1261155	2028586	1503442	2616912	86555.55	1889414	2523578
9.856867	10	5	5	754330.3	2654728	663401	2692645	583447.4	3167997	3435519	1987885	1990446
10.9645	5	3	2	985994.9	2735550	800350.2	2819915	1771844	3160354	3826459	2686053	1763322
9.960467	8	3	5	972438.6	1482837	550755.4	1447809	605745.1	1202772	2424087	1480323	1280005
9.174967	6	3	3	728035.3	1656525	641033.3	1699405	770052.4	2228217	1067085	863143.9	1987905
10.008	7	4	3	662587.3	895879.8	521713.5	936578.4	793620.8	612841.6	417872.8	595563.2	1678259
38.309	7	4	2	377833.1	4540126	683311.8	4487856	1013612	4986023	4508227	3828667	3941393
9.365833	6	3	2	765063.1	6155044	1860386	6001067	3074299	9079503	4813325	5816438	4392170
12.10843	10	5	5	165796.6	973069.7	113848.5	958294.7	321217.7	914190.4	841738.9	1023021	946245.6
9.759167	5	2	3	944356.4	1203585	680843.5	1238164	436110.6	1369196	0	1649855	1543796
9.976317	10	5	5	1202304	4909099	965053	4974165	1186625	5441434	5925076	5405183	3694745
7.659217	8	4	3	3467358	37903137	14400135	39404134	31764645	41105846	38148370	14448574	42037499
10.008	9	4	5	300776.8	826785.4	310357.8	808085.6	312650.5	949934.1	1037929	1101792	701425.7
9.298683	12	5	5	791310.9	2338183	1262291	2409056	1094005	3032626	3908818	2520424	1559751
22.498	4	3	1	38859.53	131943.6	37097.13	134096	34797.47	162716.2	145346.9	96917.31	166798.9
35.97817	7	4	3	254270	1020914	705108.1	969765.9	977826.9	2228761	660845.1	422198.6	823277.5
11.99367	10	5	5	566433	3175946	587665.6	3134126	794910.6	3259536	4169497	2835124	2811502
30.27983	10	5	5	414533.8	3093150	554506.5	3150193	1213565	3550134	3726479	3097424	2443656
17.0735	10	5	5	2643092	12281041	5697472	11931514	6032511	4194383	14575398	18973218	9185681
22.756	10	5	5	1098412	3813118	2686383	3649719	2802875	689819.4	2865017	4616451	2974577
10.97857	11	5	5	374011.1	1623055	229994.5	1606179	327151.4	1353877	1416154	1673057	1797016
10.008	9	5	4	657144.6	945539.9	217149.8	962211.6	329827.4	1051036	1099202	884838.4	590873.2
9.983467	4	3	1	453977.5	970010.4	308968.6	947060.2	447927.6	995594.3	651685.2	1460114	770872.5
9.856867	10	5	5	7533971	40124699	4320623	39734462	8133295	39089721	35096732	44205523	44969457
22.987	7	3	3	48318.07	190827.6	81778.65	194703.3	40657.47	181786.5	254719.6	107941.9	117312.1
10.9645	10	5	5	467982.6	1848947	698823.1	1814852	404761.4	2712123	2246928	1531935	875001.9

9.992233	5	3	2	925592.4	878727.4	556469.8	932909.6	1150769	1456175	92533.41	1348548	621152.8
9.45945	7	4	3	655804.1	4583480	679370.7	4674335	2016989	4592515	4888806	3788277	5532746
9.392767	4	3	1	421621.2	660019.7	323368.2	619079.6	904997.8	961035.8	923621.2	153594.6	628464.6
9.507167	7	3	2	7247313	19497483	22832803	20674095	16336815	48132380	2845308	1226813	40453094
10.008	9	5	4	480882.8	1190366	227956.3	1217095	586427.9	1232972	983184.4	1526646	1237352
9.992233	6	4	2	456944.4	863160	344628.1	843102.9	334537.1	875754.6	696521.8	785610.8	1434102
13.14282	5	2	3	80246.67	327579.2	77462.29	332998.7	103898.3	223286.6	405402.7	367844.1	268952.5
9.94455	10	5	5	1010545	2377113	586451.7	2336425	777321.1	3281344	2609253	2183405	1800067
22.19533	10	5	5	2305268	7195905	5795113	7615276	8194733	11618511	3579880	15138896	3227101
10.8926	3	0	3	368085.9	861872.7	345097	887749.4	514404.5	676587.7	1222049	496127	674167.6
9.999217	10	5	5	571887.7	1108950	515643.1	1141129	578528.8	1463744	1760591	1095428	512706.3
9.999217	8	4	4	350650.8	801173	270531.5	818399.2	314892.8	1043021	1025823	907868	450812.1
14.61935	7	4	3	109388.1	843911.6	612693.8	875192.5	435871.1	1640494	1336783	547559.3	200460.8
10.95055	7	3	4	291212.5	902702.4	254212.4	888068.9	244910.1	1098448	1090819	563127.5	695491.5
23.01617	6	3	3	80312456	2.72E+08	3.71E+08	2.51E+08	3.52E+08	1039336	1679447	6.96E+08	1429297
9.43325	7	4	3	1124194	3989105	2456968	4149416	2993179	2044647	4788886	1843793	7837713
10.95055	9	4	5	267693.5	722246.9	291738.6	739656.2	303644.8	899022.8	1108949	709156	510389
9.43325	7	3	3	869744.6	3712056	2926788	3854769	1797179	6951037	1514281	6878540	1429076
11.43992	8	5	3	135723.2	545768.8	148190.2	537477.2	135606.1	519320.4	715702.5	499415.5	336893
9.999217	10	5	5	1092359	2236462	812016.9	2169108	1405443	2692801	3299325	2217339	1191397
11.52297	10	5	5	284029.1	1428897	563449.9	1400392	398293.6	2136554	1157565	1074386	855787.6
44.25033	5	4	0	289663.6	3027822	538472.5	3004452	130149.8	2572538	3217978	2400761	3724076
44.121	9	3	3	317081.6	3879116	1074650	3714492	3770069	3203282	3144457	2947040	5122642
9.559117	14	5	5	5224962	38627355	21094208	37600572	13193024	26312898	27917177	41264820	23338259
9.999217	10	5	5	888770.3	2426063	811072.5	2475813	901837.7	2824876	3197898	3008667	1559508
22.0635	10	5	5	96878.35	623256.4	152455.8	614622.7	145374.7	672728.8	723990.9	476553.5	449969.7
9.999517	5	2	3	2288657	2592962	3368479	2431373	1998062	8125214	239245.2	491781.6	597316.9
9.379233	11	5	4	1086963	7147534	2609217	7034859	628440.4	6573114	7148413	6263454	4336701
9.976317	5	3	2	1452040	1319289	1083581	1255864	1106572	826412.8	3132416	1381700	306661.8
9.976317	9	5	4	872560.2	1555781	457905.4	1519937	740144.6	2247767	1042419	1301935	1713928
9.79485	5	2	3	606177.3	1584010	388519.8	1620647	794885.9	1283251	1576695	1711837	2164387
17.77333	10	5	5	260810.2	1281210	365895.3	1262533	270917.4	1338374	1803243	1349243	806514.7
9.912633	8	4	4	1368997	2257448	410939.7	2299125	917010.8	2495185	2152507	1580499	2500862
9.856867	7	3	3	79556760	1.74E+08	2.19E+08	1.87E+08	2.39E+08	15462843	15332793	4.22E+08	4.05E+08
10.01477	5	2	3	10798545	8254687	15948330	9237489	18021213	1144506	36783324	1102258	976527.3



9.960467	6	3	2	663418.1	1722273	468752.9	1678248	957673.8	1608406	992230.6	1792291	2228873
44.98333	8	3	2	288147.1	3862667	2833001	3735828	1162864	1054971	3230108	3086966	3293758
10.9645	10	5	5	5370271	24785547	5150204	25153168	7361610	29867372	30624441	21718037	19136343
9.960467	5	2	3	732782.3	1095503	654384	1131525	594313.6	1525503	47576.3	1381609	1644111
9.999217	10	5	5	4591414	8919626	4247977	8621600	5940225	11516543	14709450	8327933	4252789
10.9645	4	1	3	262564.1	512649.7	277681.5	531970.9	383860.9	959047	582260.5	241926.4	368344.9
11.16097	10	5	5	1458992	9925316	3779493	9697046	4164890	14905467	9699045	4549780	8972111
9.43325	8	4	3	1368793	4351606	4068646	4582846	3992838	2208282	2353109	4091073	11445097
23.7695	9	5	4	298477.8	1462473	559995.8	1496043	609425.4	715030.6	1752220	1531220	1141489
9.976317	10	5	5	863734.1	1998559	1037051	1939034	1040971	2608192	3390839	1974630	877248.8
26.94033	5	3	2	107765.6	239186.1	182874.3	249120.2	163637.5	167947.7	157113.4	96974.17	216551.1
11.07605	6	3	3	6.61E+08	1.96E+09	2.68E+09	1.81E+09	2.57E+09	5.17E+09	16892219	4.6E+09	6930411
44.02033	7	2	3	405325.9	4149227	1213073	4210491	899801.7	4885970	2958854	5224259	2703265
9.903567	7	3	4	4171688	11222054	13172168	11938406	11854076	2265100	15860290	3275008	2290013
10.41105	10	5	5	746121.3	3017445	604522.1	3071931	1189781	3384862	3866903	2566342	2401625
8.902983	10	5	5	2593611	10811591	4457502	11069128	4573937	12570598	16129655	12769622	7607614
9.445217	13	5	5	48202252	3.24E+08	70345020	3.18E+08	1.33E+08	3.1E+08	4.05E+08	3.9E+08	2.64E+08
10.44888	3	3	0	172437.5	646551.1	182009.8	654318.3	49984.17	776190.5	848122.1	696353.1	454104.2
9.08685	9	5	4	3862378	39793368	14078420	40975365	25508204	21801936	58306169	47300278	40127323
10.9645	10	5	5	658024.1	3197242	526303.6	3230671	643048.6	3748364	3784805	2889826	2684122
13.7701	6	3	3	55261.59	163409.7	45130.03	160092.8	68662.65	205966.1	104048.7	158489.9	209992.5
9.960467	10	5	5	24110684	60319186	24091541	58965176	23610979	80765632	89453597	55896127	34950903
9.460217	10	4	4	924500.8	4280810	1731415	4374949	1587987	2531336	4620471	6686035	4908855
10.008	9	5	4	410815.9	875829.9	355376.4	897456.1	406152.3	808757.2	1475524	868459.4	652183.6
43.66083	9	3	3	282682.5	4332844	1272224	4419351	1739248	3613980	3236480	4028232	4293721
9.43325	7	4	1	570733	3803480	1998129	3976515	3789756	6612335	3961238	4252219	3101250
10.94208	5	3	2	573099.4	1053318	956096	1004128	776418	330515.2	542116.5	444270.8	1341067
10.03947	5	2	3	301177.4	644131.5	185665.5	626096.6	405960.8	457990	544651.3	696460.1	582746.1
9.8322	5	2	3	532622.3	1143042	707889.9	1182964	709250	1682395	1871318	1371712	470376.6
9.460217	6	3	3	1059086	4077540	2029697	3962057	2071224	6691216	4260586	3292910	4938842
43.7615	6	2	3	373222.2	4905986	659117.7	4853722	1125958	4940360	3761130	5371568	5204418
10.45545	11	5	5	1915641	5816117	1360712	5931731	2539392	7731252	6419292	4613518	4429293
30.18067	10	5	5	902939.1	5014789	1237200	4903570	2475646	3531896	5523213	5236450	4100322
10.008	10	5	5	1549402	3069903	1088186	3156453	1868217	3227539	4767020	2853031	1780227
9.933967	9	5	3	1108367	4131911	1737403	4053755	882571.2	3919144	6458171	2405078	2604262

9.445217	14	5	5	19375210	1.65E+08	41631964	1.63E+08	34582762	1.37E+08	2.01E+08	2.19E+08	1.32E+08
9.071517	6	3	3	174566.4	475199.6	204114.5	464619.1	171629.4	567239	601153.8	268204.8	692643.9
9.999217	10	5	5	729226.8	1146848	620851.1	1181114	602656.5	1427984	2023110	1164315	512021.1
9.999517	9	5	3	585175.8	1059845	613053.1	1028659	492987.4	665558	1107849	439737.8	1046006
9.388617	9	5	4	1458845	2364535	581596.8	2418196	1207274	2640110	2880157	1575041	1923281
9.992233	9	5	4	1055038	3549733	718169.8	3509284	728004.5	4022918	4346703	3215426	2509822
9.999	7	3	4	663444.3	1416812	832837.6	1459666	693764.5	2425548	979847.3	2190419	920893.1
9.976317	10	5	5	3246719	9222842	3569645	9030469	3313752	12431770	12327367	10525585	5823272
9.845483	10	5	5	3071976	15496397	1781928	15329477	3776901	15188846	13052285	17100364	17374370
23.9815	7	4	3	225784.5	1299449	663784.3	1338353	728349.8	947963.1	1466394	410236.7	1487148
9.94455	10	5	5	960512.8	3516776	820487.9	3480369	401828	4738155	3885755	3061241	2622665
24.44917	8	4	4	67693.25	242940	115674.2	248799	93215.73	149617.8	317099.9	174499.4	162660.5
18.96583	8	3	5	108411.5	661412.3	250136.3	673572.9	179710.3	1000540	549459.8	605550.9	346695.3
22.56617	10	5	5	629713.1	2558255	1048805	2498876	1088015	2217446	2879912	1297240	2257387
9.979667	10	5	5	1432979	3289009	680456.3	3350904	1400296	4188209	2404241	3679674	3200560
10.11545	4	1	3	233212.9	534870.3	207368.3	519703.5	323291.8	655186.6	379151.9	837318.7	456801.2
9.857683	7	4	3	982750.8	2799062	1725837	2881011	1156052	900888.3	4821776	1401519	2582268
9.992233	6	3	3	483991.2	543732.4	536625.9	569524.7	374622.3	867533.7	1212044	639084.7	0
9.976317	9	5	4	741893.8	1667163	632025.2	1633141	592897	2033332	2506460	1617438	878363.3
9.856867	10	5	5	1848930	6235381	2599515	6103760	2111257	5524171	4642334	4336536	10739809
10.9645	10	5	5	742353.8	2559150	700142.7	2518461	765648.9	3295416	3296037	1783062	2087232
10.95835	7	3	4	189347.9	511724.7	103708.7	523459.9	276158.8	600811.7	616471.3	534140.5	414306.6
9.388367	9	4	5	645025.2	4100557	2453802	3964942	2453865	2650587	3964942	3599010	2018890
9.983467	10	5	5	1751068	3922309	1470764	3858909	625657.4	5997551	4030158	1849013	3989350
10.97857	8	5	3	295577.1	1122285	182170.9	1139048	382879.1	1061356	907439	1174221	1400223
40.17967	11	4	5	299107.7	4015987	1189048	4103190	1875804	5712271	4513548	2514500	3804436
9.983433	10	5	5	2224366	3773887	1776957	3903533	2789556	4804609	6252812	3518352	1969441
20.679	6	2	4	94470.16	294663.4	151748.6	285608.5	176158.8	246051.4	409116.9	164586	156980.6
9.994767	5	3	2	549226.4	1100213	869837.1	1051763	891020.3	2051805	394423.1	455104.5	549228.6
23.99617	8	4	4	314443.7	1335688	1457151	1267158	978610.1	445918.6	763102.1	202801.4	3800045
9.40615	5	3	2	30842502	1.19E+08	1.54E+08	1.26E+08	1.22E+08	5101958	2.76E+08	2414620	2.98E+08
9.830833	5	3	2	2477523	2770830	2390213	2618611	3108043	5461750	1071126	925675.7	5313599
10.008	9	5	4	438906.2	808733.6	99697.94	829402	510606.3	878435.2	814599.5	802088.1	646901.6
10.9645	9	5	4	445986.3	1802371	421329.9	1824857	400614.9	1953978	1833132	1393567	1418907
10.16938	10	5	5	3352053	13107538	2304207	12968281	2776201	14952269	15910733	12047092	10214483

28.53383	5	3	2	86662.81	384572.3	147831.8	377442.6	110704.6	402006.2	546478.2	275606.9	196824
10.9645	10	5	5	737329.4	2995192	858797.7	2953625	649818.2	3845409	3957901	2476720	2036647
11.52297	10	5	5	364153.9	1672590	367490.1	1650373	446035.1	2307999	1401865	1569445	1446114
10.95055	5	3	2	468377.9	1245475	490737.5	1220642	422486.8	1106814	1047490	659420.2	1446324
17.8785	10	5	5	600736.7	2052488	1702178	1972871	1177871	1945360	2056176	475302.3	4852187
9.872933	5	2	3	1105800	2340389	413811	2397419	1398261	1854206	2529099	2069082	2326775
9.902617	5	3	2	783498.3	1342119	419320.9	1372144	658419	2054341	1075792	1109479	1390845
10.27612	9	5	4	444658.4	2187528	910695.4	2150398	269983.3	1396354	3045850	3229245	1990046
9.078567	5	3	2	813337.1	1510452	1458993	1429211	1543805	1568236	772068.7	429439.5	771710.6
9.986767	8	4	4	1119499	1698197	1725930	1610134	1523762	4709969	376345.1	1405270	1133260
9.4925	12	5	5	913366.4	6702193	1525012	6547167	3697811	6283033	5217298	9175563	6984287
16.18388	5	3	2	39497.45	148750.5	60701.68	145784.9	48625.28	231157.5	139084.1	177094.6	67047.52
9.398583	7	4	2	926321.4	2195199	1030778	2127240	1450631	3283334	2981572	706813.1	2282991
26.8245	6	3	3	114919.4	432335.6	459861.1	411286.6	303986.3	156550.5	748560.4	12808.29	162544.8
22.13233	4	3	1	169141.3	637241.3	194475.4	627874.1	150796.8	549372.2	909714.7	681124.4	666683.2
9.880683	9	5	4	2387147	8856561	3289274	8993064	1312213	5328902	9761231	6212169	13629062
12.11005	10	5	5	93830.56	388318	62843.46	382734.7	131336.7	477251.2	322738	423745.8	376314.5
9.554967	9	3	5	15087306	63563672	54822133	61377398	13223293	1.23E+08	26082020	2219459	1.19E+08
11.18767	6	2	3	1464655	4231149	3361799	4025265	4269278	7792650	161979.4	6714716	1262778
11.30483	9	4	5	342541.7	1304439	595503.3	1335257	557260.9	2359866	1167799	945572.3	1037869
10.05535	8	3	3	1182931	2017036	1295828	2068680	322496.4	1796239	286453.9	3362746	1403720
10.00098	10	5	5	458936.7	908134.4	288886.6	925392.5	355382.2	1189616	1188739	925681.6	679782.7
9.93625	8	4	4	7187527	14608350	15194264	13781288	15957337	8552985	7674680	41773504	7902802
8.9177	6	3	3	63406824	2.52E+08	3.46E+08	2.71E+08	3.94E+08	296311.9	189311.5	6.74E+08	95627.56
40.61117	6	4	2	76238.23	314947.8	77616.14	319353	88128.44	415436.4	334828	327462.3	296560
10.45545	10	5	5	85313960	3.44E+08	54736318	3.39E+08	94854055	4.28E+08	3.38E+08	2.93E+08	3E+08
9.420133	4	3	1	312823.6	1295190	714024.2	1239327	1293933	1013290	910565.6	595792.4	1536624
9.999517	9	4	5	948371	1788647	1108149	1736662	829927.1	2692909	257563.6	967016.3	2398871
9.992233	8	4	4	580658.7	955262.4	438072	980280.4	505746.8	1251174	1427865	950905.5	286195.7
9.1036	8	4	4	1734859	3601381	4858335	3367194	3959218	1077617	716938.7	805716.1	3329713
10.9645	10	5	5	752551.3	3031249	800707.2	2994461	569938	3871903	3880778	2474246	2161486
9.972483	4	1	3	348657.5	640636.5	375538.5	624670.5	196505.9	852870.8	0	951224.3	648293
9.983433	10	5	5	19903800	38639685	12223817	37563386	25787169	49385212	53591388	35035276	28495749
9.992233	10	5	5	886473.7	4568179	1214985	4617286	450542.1	6111663	3224569	4897052	3446723
9.382183	4	3	1	591076.8	2260096	1413704	2329804	1228545	3551697	710173.4	2521730	870044.2

10.9645	8	4	4	201235.7	629494.5	300783.6	644470.8	267866.4	993996.9	896510.5	313231.7	535145.1
9.8887	10	5	5	1530970	8125040	1026431	8034850	2166314	6430803	8641106	8626295	7917091
11.51172	9	5	4	58169.55	240101.4	46050.27	244813	115983.8	316765.2	209260.8	215820.6	208928.8
9.445217	14	5	5	4533877	38411803	10102861	37902908	9261038	32528880	46365762	51887162	32634408
10.95835	5	2	3	368488.9	777497.5	96950.09	768338.7	223024.6	868204.4	819717	760549.6	618082.6
9.896717	9	5	4	1839522	14046086	2763436	13890956	3140977	16284864	13242863	11170759	11974464
9.6607	15	5	5	7253240	39719335	11612214	40521538	18136453	27794205	50470733	43850549	26835936
9.976317	10	5	5	2235277	8638616	2534643	8508806	2421322	10317331	12027414	5962293	6614161
22.77	8	4	4	593452.9	2308580	1487626	2227892	1592955	567859.7	1743854	2853771	1836559
10.03035	11	5	5	1093865	3067567	1603206	2991798	1269027	4570717	339600.5	3325573	3399503
9.967367	10	5	5	1179016	3155463	1292878	3099698	758334.9	4760955	4354585	2071385	2207757
9.979667	9	5	4	568143.4	1283345	525871.4	1254250	587478.9	1568605	1856882	1294437	450048.9
10.01837	10	5	5	499581.3	1271924	184495.9	1247285	628092.3	1260654	1133705	1494762	1414937
9.94455	10	5	5	1853687	6226021	768264.3	6164381	1468391	7277422	6601377	6284414	5418861
10.94443	4	3	1	185723.8	407046.5	205784.9	421498.6	331652.6	650091.2	578943.2	385543.9	248478.9
11.90427	6	3	3	79565.58	232655.9	76369.45	235968.1	46822.25	137678.3	313395.2	283800	261599.6
9.976317	9	5	4	592284.4	1489610	393973.4	1512449	480345.1	1763663	1986505	1262836	994631.6
30.00817	3	0	3	113611.6	640207.9	115763.8	651439.4	278555.7	539501.1	787690	517722.4	634224.9
9.338567	4	1	3	389843.3	445999.2	633952.9	418653.1	383620.4	0	0	0	874456.8
11.04953	4	3	1	1185298	3454522	2197660	3564090	2025433	1435464	6289573	1568603	5229579
7.74495	5	2	3	787888.2	35788530	4615642	36652426	22501581	34971302	37110027	42514997	29784097
9.872883	10	5	5	807622.2	3089936	800205.4	3047170	849708.4	2303433	2797453	4142258	3715413
44.00583	5	3	1	289523.3	3566531	603189.9	3589970	165292.2	3983137	4071396	2591648	3399483
10.9645	10	5	5	1509457	7249711	1641794	7170603	1409635	8864231	9067020	6022651	5463046
10.9645	10	5	5	1406112	7146515	973893.5	7077032	1619349	7864317	8364797	6627101	5927713
9.976317	8	3	5	863706.6	1779635	889534.5	1723935	1236711	2420336	2896113	1758165	886646.1
43.51683	5	1	3	334809.2	3188092	380768.8	3170714	285299.4	2638234	3049826	3338778	3243091
9.311883	5	2	3	7067781	52277604	5465043	53442567	30629755	57875742	51099724	58000045	46075610
9.992233	10	5	5	713177.4	2262962	537812.6	2231581	671465.6	2873457	2536218	2512399	1747961
10.95602	10	5	5	191516.4	718362.4	228003.9	732691.4	319448.3	856526.4	1032316	573873.8	669648.3
10.94853	5	2	3	172663.2	663435.5	179007.8	677206.4	329516.2	610676.1	396781.2	672024.1	873195
9.960467	8	5	3	1435261	3865673	3295024	3705788	2933746	559107.5	878010.9	4253394	5090417
9.55155	5	3	2	1228984	3957873	3584577	3793420	2771276	1548373	1155047	1612880	6380113
9.67075	11	5	5	14872406	42337967	5482892	41755964	14799197	38836281	40049351	39336405	41485515
41.61833	10	5	5	3316420	56007399	3107437	56182633	3703436	51841753	60011964	56451870	54284911

10.008	9	3	4	606600	1075592	757320.2	1041142	575212.7	721526.3	686957	2326718	419403.2
11.3298	9	4	4	8584579	33420769	8492379	34355581	23937306	33227471	37447658	26474163	45444561
29.83417	10	5	5	1470155	14323996	1958800	14228973	1764146	14091337	14904725	11328698	14533944
19.41867	10	5	5	201999.3	935706.1	388984.5	953941.7	323102.6	1236723	1020061	869045.3	300810.3
8.94795	11	5	5	3580336	15937434	5763690	15624420	6507981	17746887	23712307	17588351	11607614
6.8014	5	2	3	1237751	32786462	8566011	31740853	27178448	27603921	38094263	22374576	31718492
10.94208	4	1	3	235461.5	662947.8	232083.3	650009.2	277693	519780.3	1052867	621871.7	459915.1
9.365833	9	4	4	2914628	30445995	20741207	29619214	9873587	24797541	50546025	50243996	943872.6
44.98283	11	2	4	420733.3	6844719	3374463	6699939	2248719	1163316	7342674	10216054	7667328
41.46017	7	2	3	405297.8	5665561	575659.8	5590486	1988399	5959184	5158604	6145576	6130694
42.5245	6	3	3	407326.2	5164439	1173446	5242742	1855870	5033911	5420421	4897988	3600250
21.22417	5	4	1	53731.23	118455.2	28405.71	120160.3	38726.56	158006.4	128839.1	103443.7	82016.52
10.95835	8	3	5	231996.6	960468.4	400100.4	944454.9	200642.5	937030	742136.7	1004855	525000.7
9.992233	10	5	5	1024786	3223780	774224.6	3174096	1163898	3899922	3760407	3697531	2435006
10.95055	10	5	5	635444.9	4180301	635756.3	4141088	903726.2	4564063	5107819	3634670	3701663
9.202433	3	3	0	6162224	4579276	5978743	4254338	6975927	4679532	14848856	213700.4	1117070
9.983433	10	5	5	845600.9	2134301	974938.5	2084419	1021643	2959104	3134294	2275463	860363.8
9.559117	12	5	4	2052552	5872383	2558992	6019438	3277752	4604363	8966194	2276212	6250298
9.983433	10	5	5	12260079	46766589	8589252	46246873	12009149	56103805	55871494	43003814	38178326
9.960467	10	5	5	584854.8	1585061	280665.1	1568240	388311.3	1912149	1353955	1807914	1261018
10.37347	9	4	5	519507	2204079	265430	2168493	959364.5	1949040	2563438	2370933	1961205
30.09567	10	5	5	6315337	42955279	9131003	43721757	19641574	31875716	44527125	46460216	36523427
9.992233	5	2	3	1617188	4629282	1542698	4734859	2575909	6407217	2303720	5473891	4170213
9.4925	9	3	5	5981067	49240660	10524119	50433480	31803759	41634011	46578092	52000914	39913347
9.507167	13	5	5	9405494	21975252	12781388	21088278	21764339	39050592	11847622	27853499	7120916
10.008	10	5	5	1057826	2203286	753698.9	2152427	1237419	2653283	3114684	2356081	1259950
9.960817	4	1	3	494227.8	598270.8	376751.5	579941	367606.2	0	977304.5	579848.5	580001.9
9.032133	9	5	3	626438.1	3099060	1003438	3156439	1306571	4608624	2569474	2419672	2255382
9.995817	5	3	1	1940365	3141404	1364197	3230505	2155883	2216766	2151732	2964064	5489301
32.51783	10	5	5	190284.6	616064.8	178541.2	636679.9	554489.9	433566.8	506786.4	662427.3	580662.4
9.999217	8	4	4	809776.9	1139945	918985.9	1101420	617283.2	749240.4	480896.2	2758540	786583.2
10.9645	10	5	5	1409490	5757988	1622306	5690525	1065057	7360605	7573100	4631161	3991798
6.85285	10	3	4	429379.7	9518554	4860247	9880466	9153836	6336241	9195986	15428200	3497381
10.02372	7	3	4	331086.2	654035.1	114318.7	665175.9	295507.4	666419.7	719154.3	453355.9	719011.7
9.976317	10	5	5	19611216	89603833	13946738	90447495	19920862	99305972	1.08E+08	87576128	74619126

11.88527	10	5	5	674976.8	3089543	367365.7	3138770	1343326	3380726	3498880	2729495	2695822
9.103733	8	4	4	543482.3	1566120	842896	1598161	353227.9	975977.8	2406263	2029238	2021668
8.859667	10	5	5	2587160	11850016	4180164	12135218	7070222	9897695	19095676	11672114	8808340
9.445217	8	4	2	4208307	25215795	9856623	24793620	7321369	20522346	20210648	31309011	14813867
9.1428	6	4	2	3202169	9096251	4671405	8813619	6758419	10523896	5341860	13322047	13220873
10.008	10	5	5	1730993	2847321	1173207	2925287	1932039	2856577	4728406	2881172	1645769
10.97242	4	0	3	193644	527107.6	319503.6	541464.2	270547.4	538128	1016618	228715.7	254107.6
10.92828	4	3	1	323508.4	709378	167372.6	698808.3	257495.9	766186.3	849699.8	430526.2	813639.8
9.329083	9	5	4	3137334	19377674	7684256	19783777	9047410	10796466	12399581	25558492	20086980
7.58515	10	5	4	3347903	1.22E+08	1.18E+08	1.28E+08	1.22E+08	63423.03	3.07E+08	53668551	93441220
10.95835	5	2	3	429051.3	1566484	321096.4	1585744	461153.6	1545835	1829477	1131859	1402400
41.76217	8	4	1	418806.1	6963064	1565624	6907436	250067	8404488	6380946	4581563	8252396
9.36515	6	3	2	471887.8	1904505	519338.7	1869828	867168	1334155	1536561	1974077	1995365
10.9645	6	2	4	264275.2	654059	222198.5	669080.7	378679.3	875458	619304.2	441346	441619.7
10.95055	5	2	3	257257.7	645448.5	218761.2	633569.9	272530.3	835718.5	879946.8	503261.3	362576.9
10.00998	10	5	5	452481.6	1258957	422826.3	1279447	431896.6	948379.5	1954321	1228031	892851.7
34.237	9	4	5	530113.9	4650305	2746562	4802767	3550510	9135943	3370150	2031056	5188562
22.3495	10	5	5	118876	488883	75340.73	482213.5	178848.9	360082.3	506294.1	546922.5	492970.4
9.9677	10	5	5	786984.6	1923540	845432.6	1969465	1062382	2581409	3003499	1694634	983199
9.8445	9	5	4	2217976	8143491	2330191	7998147	3591824	10450779	4416169	7586530	9477085
28.28817	5	2	3	77479.91	427548.5	301148.8	441492	283383.7	448895.2	130706.7	713204.7	732742.6
9.872067	7	3	4	7247796	14812539	15579575	13962332	19875407	41841806	13495287	5645627	9512670
8.98945	10	5	5	4336047	13734015	8084475	14101657	7365743	10685509	27247595	14655840	9426964
15.72875	4	3	1	50448.35	314059	48847.64	308604	151357.6	374828.3	239947.7	305402.9	320471
10.03035	11	5	5	315301.8	779694.7	309344.7	765330.6	295463	687963.6	1280559	855737.8	534291.7
9.523633	13	5	5	2419763	7218195	9688377	7623754	7173019	1357601	8635394	23577542	770139.8
9.388367	6	3	3	1740309	13144213	5525088	12853634	6662285	19195473	8051259	9278591	19091265
22.90067	6	3	3	80312456	2.21E+08	3E+08	2.07E+08	2.82E+08	2723198	546928.9	2745814	5.72E+08
11	3	0	3	426234.3	877189.9	340844.9	892310.3	299474.9	967989.5	1412427	559074.5	619854.8
10.00385	11	5	5	1442216	5129893	1350892	5050680	1949684	3854805	3510870	5841355	6507915
9.4775	12	5	5	3599124	26023003	13952117	25414244	11818644	16048819	17230724	22487264	24123005
10.95055	8	3	5	821938.4	2149563	524561.3	2186303	963597.6	2692367	2342627	1364653	1898891
23.48367	5	2	3	91415.12	498255.5	170264.8	489258	211103.8	620569.9	494826.9	491323.7	224709.1
10.95835	6	3	3	2435040	5203500	6415930	4934870	4943170	499561.6	14087156	589167.4	826040.1
10.9645	6	2	4	193796.2	614151.6	303415.1	600720.4	269933.9	908049.9	935204.1	363837	274266.4

10.45433	9	5	4	181190.1	605749.6	136256.8	597288.9	215335	821809	578875.5	489397.4	496293.3
9.928667	7	3	2	3255129	4629163	2360278	4502120	3038385	2889625	3947557	2573219	8375025
10.95055	5	2	3	245765.4	611560.9	367267.5	595553.3	318050.3	874330.8	1021258	232498.7	224119.6
9.9754	8	3	3	7.23E+08	2.11E+09	2.9E+09	1.98E+09	2.72E+09	4603260	4.86E+09	5.69E+09	2846871
11.02755	6	3	3	6.61E+08	1.61E+09	2.26E+09	1.51E+09	2.15E+09	11208926	4.75E+09	8300433	3.29E+09
10.94443	10	5	5	306490.3	1624479	589526.1	1601063	397550.4	2213103	2183134	923465.5	1136210
38.32367	9	1	3	312804.3	4631633	149850.7	4583335	1424245	4689243	4376283	4762178	4633613
10.9645	10	5	5	360376.1	2134083	449672	2155484	476315.8	2144999	2660415	1559348	1836084
9.999517	5	2	3	2272921	3107307	4116511	2944276	2784430	9636704	228469.6	445302.5	458149.8
9.857983	4	3	1	773560.1	1351026	801907.4	1404534	1413391	1312938	333062.1	1912856	2338656
9.650367	4	3	1	211037.1	773481.9	245097.3	760665.8	306204.2	958694.4	584125.8	443710.1	887372.2
9.983433	16	5	5	39949420	1.82E+08	29624913	1.8E+08	39685383	2.06E+08	2.18E+08	1.75E+08	1.51E+08
9.976317	10	5	5	2913747	8993493	2451905	9115411	2823755	11074818	11590326	9324215	6887863
10.02372	10	5	5	337827.5	1030396	194374.2	1019492	271524.8	880627.1	846136.2	1260757	1216958
22.353	6	3	3	1473311	8472339	11300320	7978733	10105783	180904.3	209883.6	19706918	328995.5
9.975217	4	1	3	488963.8	1040039	427522.6	1066753	697302	1385512	397315.3	1125722	855191.7
9.9014	8	5	3	608095.8	1899579	503794.5	1923789	550278	1756895	1244327	1719716	2554500
9.43325	8	4	3	748186.4	4087112	2358480	3980171	2304549	3429666	3164945	5360647	7346463
9.976317	8	4	3	932152.9	1545822	735706.5	1504981	1020179	973371.6	1264133	888555.7	1998344
40.99967	7	1	4	448925.4	4594705	309284.1	4568357	740820.9	4323712	4222369	4917095	4668229
18.3255	3	3	0	3144207	18398567	7837577	18032116	8203684	14546575	32223163	16700515	15409255
33.877	8	5	3	107283.5	382531.7	255739.6	371481.1	230739.6	233042.8	251019	143157.8	763701.6
9.856867	10	5	5	2070467	11448584	3032705	11334207	1836861	12814322	11151272	10727565	7136321
15.18045	10	5	5	631158.8	5068833	771957.1	5037718	588789	4758635	5938944	4318543	4475073
10.9645	10	5	5	610023.1	3196111	503579.4	3221682	621073.6	3755603	3727979	2837262	2726426
10.51392	7	3	4	232308.7	633743.9	185834.7	642099.4	184312.9	585026.8	931612.8	682871.7	476238.7
10.9645	6	4	2	236840.2	680436.3	367872.6	694419.5	234636.2	718871.2	1289346	401420.2	388130
9.392767	4	1	3	459919.6	878133.9	634517.1	910563.3	793589.2	965566.3	0	555945.7	1201537
22.091	6	3	3	305902.5	1935047	2091980	2024883	1894376	398924	4030599	636275	207770.2
9.55155	5	4	1	745240.1	2101873	1346201	2037193	1534614	920067.8	1142215	2273677	1869715
9.460217	9	4	4	15683261	42276022	70750556	39428694	55281791	1.68E+08	7423402	19645998	8507058
9.983433	5	3	2	392646.3	1012515	234126.7	996017.5	459765.6	608417.1	1207074	1070707	1128647
10.93618	5	3	2	220886.5	644744	335034.1	658764.6	291843.3	1026960	278242.6	507677.6	438559.7
8.902983	10	5	5	3199545	12364565	4870820	12600380	5687297	14160105	18373462	14053694	9573765
15.3823	5	3	2	7318258	21286004	29094852	20188035	19008725	188155.2	58933156	370429.6	267619.4

9.392767	6	3	3	854501	1035148	771801.1	997977.3	898285.5	1058419	1567738	0	599468.5
9.992233	10	5	5	3025659	9347287	2239220	9229944	2995202	10722736	12177599	9629896	7128643
9.983433	10	5	5	940553.4	1575040	886190.4	1623526	1265313	2022976	2785349	1599883	561987.2
9.976317	7	4	3	6932455	6688401	12414663	7156649	8250454	1125690	1789131	629232.3	28883844
16.85517	6	4	2	101416	269963	151754.5	263646.1	134365.5	317021.9	475518.1	295248.2	66217.73
10.94443	5	1	4	900323.9	1999023	1080992	2042025	860602.1	1884394	3610383	1449155	715058.3
9.479567	7	3	3	1197325	6907292	3562178	6677818	6404202	9813287	2356899	11138676	6034938
10.97857	10	5	5	520802.4	2405638	662609.7	2432362	550811.5	1863440	3381556	2200996	1821154
10.1265	5	3	2	212072.3	939400.6	388659.1	923161.3	352288.9	1609858	842910.3	595947.6	803258.8
10.008	8	5	3	274655.3	659651.4	139270.1	647888.9	347811.4	725899.2	814491.1	697119.6	445546.8
9.9847	6	3	3	409699.9	758629.1	262652.1	740670.3	512683.5	588556.1	681447	748140.1	1209787
9.848417	10	5	5	984649.4	3969303	1552410	3897196	1747213	6326702	3113024	2766793	4784040
9.45945	6	3	3	607261.4	1457554	712329.3	1426086	731995	1759204	2208126	533756.3	886561.6
9.445217	6	4	2	672192.9	2138730	671987.9	2103984	903149	1631313	3028891	1635283	2696911
9.43325	5	3	2	8402023	37080446	27375298	38231459	25494503	10513500	22457839	72287252	60327544
9.983433	10	5	5	6149555	12211740	6320835	12539597	8590972	15993237	20819309	11591051	5381702
9.994767	9	5	4	1462528	2428556	1040715	2489339	1675152	3009351	3818729	2368551	1131783
30.25033	10	5	5	5514698	43944484	5344085	43374855	17432667	35403436	46573586	47252764	42080796
42.36617	9	2	4	425244.8	8298920	1647043	8457906	4829818	9432208	8129791	5500648	9102524
9.697633	6	4	2	228178.4	527581.3	163025.9	533110.4	72821.24	668445.8	723273.3	409907.9	346133.7
41.89183	6	2	4	418806.1	4582776	179445.8	4464554	3750023	4307103	4703168	4641228	4754090
10.97857	5	2	3	799498.6	1532392	489991	1499286	954840.1	1967023	2003834	1532742	816119.8
30.28183	10	5	5	382804	2251889	460973	2222969	819329.8	1741476	2908800	2236865	1913149
10.8937	6	4	2	134556.7	418942.7	194425.2	411200.2	163177.6	351046	277569.6	252257.4	488274.9
40.2085	9	4	3	619880.3	5111278	2329165	5221422	2780154	3761542	8427926	3812214	2910872
9.392767	9	4	5	7625972	24771417	9593542	24340209	10510664	32930467	19774568	14112713	20306909
9.9677	6	3	3	584565.7	939189.3	556882.1	959650.4	378098	1242224	0	1367393	1218642
9.415167	6	3	2	856854.8	3610799	2953243	3722755	2219606	1131669	2559989	7888350	1108686
10.97857	11	5	5	852925.7	3650973	430328	3625385	723540.9	3338190	3110881	3756995	3849668
10.02372	9	5	4	431616.7	1076501	334104.5	1093860	466340.5	652984.2	1041576	1354242	1460492
9.992233	10	5	5	1880828	6105073	1410244	6035704	1820959	7393855	6770281	7189459	4758985
9.992233	10	5	5	1910092	6131566	1404560	6065043	1707222	7342782	6798622	7288557	4744540
9.888767	5	3	2	780617.6	2506475	1663248	2565723	1041083	1138836	2341511	1686467	5375133
12.74778	9	5	4	474607.9	5209562	2212716	5312767	2638419	7765953	5999480	2322772	3568031
9.297883	11	5	5	1060917	2387230	1665774	2472612	2305870	361247.1	4779510	3026295	2307526



12.17977	8	4	4	102638.1	423447.1	179812.3	430954.9	176183.3	567703.9	136149.5	372736.4	568481.6
9.445217	5	2	3	319431.9	1677663	613085.8	1702368	557638.9	1038488	1518314	2607958	1924371
9.559117	23	5	5	2837290	11240881	10184655	11617183	7422560	22758137	846076.9	581516.9	13260586
11.03478	5	3	2	775433.1	2243985	1515890	2300865	1161230	961846.3	1662867	870764.4	4070772
9.848417	7	3	4	514053.7	1334392	517296.4	1314279	438600.8	1219645	2113911	1422890	676664.8
42.927	9	3	3	814404.2	7412834	5431067	7631987	5081542	3244461	2495371	12731970	4766176
9.880683	10	5	5	1120985	4767182	1433178	4708795	1369903	3435525	2979626	5846766	5816879
9.976317	9	4	5	860803.6	1741821	1068911	1695947	1133862	2370035	3043780	1990392	802927.3
9.920517	10	5	5	2563955	5795479	1114505	5739697	1529009	7553830	6043196	5278460	5519667
18.746	6	3	3	266743.8	698253.1	788762.3	670251.7	529813.7	188907.3	445042.6	31712.94	2004241
9.848417	9	5	4	1515244	6581214	1502281	6676178	2846830	4891350	5841132	5830052	8166296
9.716267	10	5	5	874172.9	2288723	787349.6	2316355	517404	3073581	3216307	1841658	1693496
9.857683	3	3	0	713033.3	1769008	673727.8	1818939	1546934	1601619	817844.9	2697766	1897842
9.992233	9	5	4	1202036	3113130	903035.9	3172544	1803984	4373553	2032141	3362735	2480070
9.856867	10	5	5	893498.4	4220230	242031.9	4196466	761934.2	4170641	4303317	4560947	4172493
10.96997	10	5	5	729465.9	3219418	1042973	3169344	1369397	4278507	4180526	1983550	3312442
35.76367	10	5	5	377955.7	3011302	1174291	2965136	1075317	4203425	2554594	1304014	3996738
9.916767	12	5	5	8682869	38928722	21509236	38264614	6606116	49662505	566558.8	50384616	47938841
9.992233	9	5	4	1167433	3598272	1039674	3559366	857873.3	3963774	4972665	3128685	2165062
26.375	7	5	2	142366.9	777356.9	392523.3	789600.3	142118.8	413388.4	1284503	1015558	807079
19.99933	6	5	1	74145.1	286505.3	67444.1	283269.1	90691.71	331349.6	378184.7	261288.9	209078
9.94455	10	5	5	905340.8	3258153	599163.1	3231287	725010.9	3924862	3798744	3177052	2524018
9.952017	7	3	4	1674522	5732768	2119947	5659243	1448266	7619857	2237173	5549987	7156920
10.6557	6	3	3	197837.9	288072.8	119662.9	282705.6	145558.9	258246.6	490385	286982.2	182783.8
32.47417	10	5	5	182490	816258.9	176250.6	808690.7	199587.1	646695.1	744528.3	730081	858928.6
8.902983	8	3	5	655059.4	806453.5	556256.1	786325.8	440784.2	660778.4	1185067	1562804	388300.6
30.2805	10	5	5	649736.4	3891042	392343.1	3937242	1547383	3533073	4330580	4260873	3498398
10.92828	6	3	3	378082.6	1501337	368667.7	1523012	665831.2	2075552	1303317	1086003	1547932
9.842	7	4	3	2461865	12493325	2685955	12398593	2009121	13515927	10004773	9963803	12588639
9.864767	10	5	5	65108112	4.37E+08	23546923	4.39E+08	63904109	4.37E+08	4.01E+08	4.6E+08	4.55E+08
41.8055	4	3	1	326189.8	3519906	2185006	3584033	412859.1	3023885	3440913	662688.8	3688292
9.568567	7	3	4	263838.8	557060.5	270873.2	568676.8	312912.5	944480.7	559845.1	216236.6	418337.8
10.95835	10	5	5	511768.2	1922401	497616.8	1899766	634890.8	2611643	2285595	1661849	1494079
9.68775	10	4	5	718714.6	1725037	326254.2	1747797	732528.3	1331873	1780040	2106122	1456576
8.98945	10	5	5	8953090	34496819	17542351	33814834	16997975	27557325	63162163	38514542	24229840

9.4468	12	5	5	3292815	23317670	11451541	22806663	14269929	33095591	26441494	34432855	13210689
9.951283	8	4	4	1764557	3151447	1198154	3189202	598023.5	3673133	3425457	1438214	4619906
10.97857	10	5	4	413235.2	1925852	400935.3	1904799	634893.1	1468714	1655760	1825857	2272663
10.99268	11	5	5	486656.8	1719105	992020.3	1753700	742459.9	1189704	937634.5	1015744	2215259
9.94455	5	3	2	599198.1	804564	450101.5	820150.1	330076.8	1253914	53628.23	968218.6	937757.1
10.95835	5	3	2	979470.7	2293980	816116.3	2254552	1152853	3586649	2367040	1952000	1365650
9.976317	9	4	5	1862919	4228291	2100565	4141630	2304457	5385790	6900880	4614031	2376840
12.3249	6	3	3	44267.45	144442	35979.93	142600.7	55311.85	158900.6	157461.9	109047.4	106474.2
15.99403	8	4	4	129821	639724.6	120439	647658.4	255725.2	746347.5	731454.2	683424.9	459390.1
9.992233	7	4	3	631595.8	769360	525055.1	744269.6	734516.4	1190850	1327148	663341.7	0
38.80117	5	1	3	334171.2	2990433	856734.9	3039229	1523337	1459181	3351070	3434836	3353097
7.280183	7	4	2	109686.8	549362.2	185152.7	560500.9	352848.9	446818.3	826065.1	559762.9	328811.1
9.071517	7	4	3	594526.1	817401.4	434855	798741.5	516340.2	1250796	1248232	594239.1	749524.8
9.536783	9	3	4	873795.8	2110704	578204.5	2144179	1053105	2263519	2431991	1701526	2799757
9.507167	8	4	4	550973.4	943671.6	401916.3	930534.2	250926.1	743950.1	732526	1087684	574440.9
9.95825	7	4	3	1234880	1381074	663140.5	1350191	899439.1	1665655	375019.7	1559299	1159462
9.983433	11	5	5	2937217	5639624	2666181	5768267	3826123	7385035	9120330	5557279	2932993
9.41815	9	5	4	1841652	5321929	452368.9	5276296	1563334	4880805	5381283	4843937	5646065
10.95055	10	5	5	439294.4	2458607	584121.3	2484845	756950	2739573	3261468	2164189	1715336
9.343517	5	2	3	549515.8	3025760	843145.8	2968988	1863854	3734893	2243920	2008115	3793873
10.9645	9	4	5	421358.6	1310208	425899	1325577	365055.6	1887159	1615282	1052246	1136644
9.93625	10	5	5	1094205	2540169	697385	2509710	864914.1	3716708	2341568	2176917	2549709
9.983433	7	3	4	2702062	3263194	3309498	3118424	4117542	8593945	1081534	1418470	4397188
9.900133	9	5	4	1159647	3202853	2351440	3272564	866361.7	2772309	1861247	2287837	7346805
7.10655	7	3	4	7385224	1.05E+08	23111032	1.07E+08	49541928	98957267	1.27E+08	69977296	1.06E+08
10.95835	9	5	4	1805434	5855097	1988885	5774935	2180358	6202373	8986044	5559831	3652705
9.992233	3	3	0	475533.2	513800	316802.9	496972.6	528608.4	770382	0	591846.7	446081.7
18.355	4	3	1	69840.28	116633.9	72166.86	119424.6	73517.72	234948	81672.86	96615.39	44933.12
10.95835	10	5	5	966973.3	3836119	1145538	3797265	861430.8	4441753	5556654	3257578	3135787
10.95602	10	5	5	454127.6	1824218	461178.1	1809020	317764.3	2246038	2381431	1536998	1335965
30.25033	10	5	5	960724.2	6177897	870280.6	6262109	2925363	4883037	6601609	6756451	5693390
9.9677	5	2	3	876503.5	1139772	981576.1	1171116	608507.8	2695856	74759.37	772540.3	798753.5
9.673333	10	5	5	374315.5	1179342	303887.9	1168132	283393.1	1364690	1169280	1449027	671193.8
9.992233	9	5	4	2491772	4217112	1994468	4321290	3282135	5256052	7031424	3746524	1829651
42.2655	8	5	3	333248.3	5901106	2343311	5969445	871084	4770711	9547724	3498733	4946703

9.992233	9	4	5	1433483	3080624	1090078	3024158	1787745	3807496	4627441	2553254	2086715
10.9645	10	5	5	477008	1948815	560305.7	1968040	446792.5	2474552	2526341	1353415	1409953
9.858833	10	5	5	2573248	7942541	2129057	7868878	1738314	8565996	4582348	9982894	9302276
9.421167	5	3	2	369299.6	1036737	610242.6	1061200	685076.1	961473.4	790217.9	2105885	643141.4
9.983433	4	1	3	393027.8	935207.6	445499.6	916797.5	529540.1	1369117	255162.6	1292876	946501.6
11.147	9	4	5	237809.3	894684.9	136332.4	904726.8	346509.7	867867.6	1060063	830710.6	717030.3
9.419733	5	3	2	2674511	13533133	11268028	13159158	8419324	26513992	5652834	25034855	7124676
10.02372	10	5	5	365373.5	1157410	169038.9	1148886	271617	1085053	1241731	1414064	1022063
9.928667	10	5	5	4657079	47717992	5709963	47337722	13044858	44192399	49389858	52773632	52617195
24.23	8	4	4	114736.9	438389.8	138963.1	446869.7	286724.8	531783.9	263274	398413.8	379130.9
9.445217	14	5	5	10645372	93415948	21031741	94514170	35724022	79392637	1.05E+08	1.25E+08	79018469
9.6501	7	4	3	692342.1	2060297	1141494	2121918	2025798	3055433	1284306	1051279	1385300
9.933967	6	2	3	1056332	1476864	789226	1503709	647501.6	1921892	222260.5	2278613	1285075
9.979667	5	3	2	1179370	2220462	643158	2178677	1431536	2634487	3019323	2284889	1693824
20.65817	9	4	5	733771.3	5130454	1567754	5076397	1331814	3457526	5959979	4346018	4460400
10.21522	10	5	5	42814472	1.48E+08	31146830	1.5E+08	58985301	2E+08	1.47E+08	1.28E+08	1.21E+08
9.842	10	5	5	2533950	13286350	1088343	13355837	2383586	13143229	12333732	14716894	14042933
16.52005	10	5	5	1276105	11731353	2918793	11827568	2254157	12471810	7215599	11796405	11818722
9.992233	9	5	4	1411305	2741638	929826.1	2686212	1889012	3407169	3783195	2512670	1375805
9.43325	11	4	5	1299391	3231097	1015626	3274020	1301659	2648947	2100125	4797578	3157154
8.9343	5	2	3	395940	2188448	685674.7	2156826	1003120	2113322	3063865	2416916	2187505
30.29417	10	5	5	402507.5	2525214	607224.5	2502640	629799.6	3025351	3069418	2309474	1591896
33.398	5	3	2	443288.1	2439881	1345491	2400535	692355.6	1859836	1082404	1741463	4499577
9.701933	10	5	5	2034195	4894612	577344.5	4929643	1216170	4184872	5665463	4479405	5083427
9.445217	9	5	4	950413.5	4496196	2581115	4422983	1135055	7038184	6679745	1905702	1635749
10.008	9	5	4	643462.4	1114787	310080.2	1136754	785420.1	1220471	1573299	1098759	761027.7
9.445217	14	5	5	1177398	9312464	2444298	9219476	2694543	8366416	11454607	12184512	8250767
10.52333	9	5	4	306755	688561.9	269504	698674.6	290357	1051920	885151.7	401287.5	543531
9.845483	9	4	5	1975824	4121528	1279901	4250288	4762614	3727000	2995115	4162864	3441507
10.95055	5	3	2	206941.9	430415.5	215552.4	438390.4	228634.5	701298.9	558503.8	128412.9	390871.7
9.508883	9	4	5	4416968	9202357	12942863	8839697	5595022	4161575	3731038	2704421	3081507
10.96997	5	3	2	263042.8	612260.4	201004.4	620369.7	248647.4	460382.7	914553.9	405760.4	601910.1
11.26338	10	5	5	1520586	6665644	1474652	6761166	3423131	7437361	6029897	8805258	6043402
11.27725	10	5	5	319737.5	1339473	694832.8	1361347	517938.8	2522560	1326821	944769.1	758418.3
9.40325	6	2	3	15295273	62870406	45046328	61649386	15327173	91522350	29295346	1.05E+08	87161031

9.508883	6	3	2	3229098	13734620	16651339	14228578	10353456	33023674	1053537	30864152	2585407
9.992233	8	5	3	438285.8	640369	206749.8	625186.7	558696.8	694999.9	926413.7	661294	358671.3
9.787633	4	3	1	1095738	2785436	919018.9	2738590	1614333	1854438	3031384	1778081	3585539
9.032483	10	5	5	292229.6	1688530	470678.3	1708299	632345.5	1816497	2110025	2108487	1355263
10.44737	5	2	3	210397.5	562472.5	73467.78	558345	145925.1	449789.3	589907.3	652133.9	553520.6
9.530583	10	5	4	545022.6	1065192	295778.5	1078167	426190.8	1339105	1286854	1147464	937596.8
12.17977	6	4	2	107340.2	287249.5	116693.7	292510	174939.9	216915.7	361726.7	401373.1	337565.4
9.8322	4	4	0	93819920	59856498	1.32E+08	55980212	82296646	2306960	2.95E+08	1082436	575436.8
36.856	8	4	3	100273.4	491287.8	171430.6	499201.9	266922.7	469587.4	727854.1	246999.1	528465.4
9.976317	6	3	3	474972.7	780889.5	510572.9	800197	587199.3	1120227	1446263	631080.1	133216.3
10.03947	9	5	4	376172.5	1303449	232553.8	1292406	377017.8	900238.5	1342395	1354074	1475799
9.445217	14	5	5	2591916	17814505	5030907	18066452	8759147	16201435	25555126	19517666	12292898
9.175017	7	4	2	1286091	4935155	2827025	5038112	3051943	6973868	326275.7	6570325	6717811
9.992233	9	5	4	1457230	3439945	1227349	3391671	1522193	4220681	4913571	3600490	1843418
9.94455	9	5	4	1162094	3941988	630204	3964826	682358.2	4880289	3860422	3715671	3151578
9.976317	10	5	5	3217183	9522459	3058558	9637070	3515975	12026740	12588707	10415426	6463937
41.25867	4	1	3	213140	1068963	343980.5	1092518	877699.8	837225.2	1673946	876016.8	985938.2
40.568	5	3	2	371157.1	6518610	1760869	6574845	1464390	6181326	4757890	5910087	9477457
9.999217	10	5	5	1151162	2631782	1075334	2677685	1524941	2868318	4194330	2807839	1373768
9.999217	10	5	5	4324532	7241947	3971315	7398831	5005770	10357750	12536650	3778071	4023564
9.983433	9	4	5	610982	1357431	630551.8	1330063	924609.8	1889126	2051091	1410899	663394
9.994767	8	4	4	882595.9	1527754	1053281	1561315	892615.2	1328698	1325215	1195000	484856.8
9.976317	12	5	4	2406420	3432839	1655671	3516949	3008064	4375088	5857875	2724123	1820639
30.27883	6	3	3	416605	1656584	1744350	1594884	1848371	291772.9	3395794	399739.4	3727907
10.9645	10	5	5	600410.4	2038016	532483.2	2064569	947085.1	2553345	2646874	1874399	1487859
9.992233	9	4	5	373803.4	932187.3	321856.4	921056.9	330414.9	1184032	479171.7	1001242	1255365
42.395	5	2	3	202478.7	2489464	621717.2	2509074	525401.5	2526219	2702030	3055368	1431063
9.162767	9	4	4	731892.5	1482613	953027.7	1454434	672984.9	2028249	2899179	952243	872290.5
29.0115	5	2	3	107992	239056.6	205775.3	233000.6	143254.1	201683.5	126410.4	47432.47	236373.4
9.994767	10	5	5	888572.4	2936938	701561.6	2964976	927270	3427738	3558826	3344075	2075947
10.9645	6	3	3	690916	1418402	438540.5	1442011	866713.7	2049316	1672750	1164654	956472.4
11.00892	6	3	3	1.77E+08	4.64E+08	6.37E+08	4.43E+08	6.04E+08	2558149	1.26E+09	1.05E+09	2061969
34.16817	6	3	3	397253.8	3520516	2056989	3449414	2130522	7030388	3230353	1757660	3211940
28.2735	9	4	5	269782.3	670099.3	528338.2	685425.2	354720.1	1550979	349959.8	401549.5	772319.8
10.00998	7	3	4	315178.3	614694.1	203605.7	607218.7	236168.1	390960.9	941686.6	639561.4	547986.6

9.994767	9	5	4	773440.8	1295934	426116	1268102	1065125	1482305	1758463	1368172	609486.3
40.29483	4	0	3	390313.1	3946063	224697.1	3962104	621209.7	3956032	3598458	3993694	3955592
9.979667	5	2	3	7169163	10781364	14274774	10344601	11477644	33696907	1913721	1188295	1159027
15.62507	4	3	1	363963.1	2451887	678922.5	2471142	434049.1	2425107	2689390	1488658	2291637
9.4468	5	3	2	2365813	7544064	4976555	7368239	5484000	13618202	11949936	3049119	6075096
9.445217	14	5	5	19291630	1.57E+08	41778407	1.58E+08	51912888	1.38E+08	1.96E+08	2.06E+08	1.3E+08
9.979667	10	5	5	1873445	3636010	2702670	3555716	2022037	6009132	7042908	1605584	1118291
30.4715	5	2	3	246011.1	1001479	565386.7	977395.9	837583.7	1668815	912594	791486.7	1414508
38.6835	5	4	1	524392.6	3682179	2937065	3609352	561656.3	7421233	3825525	5600405	758329.7
9.514333	8	4	4	646248.3	1336992	551693.8	1320778	400509.2	1497964	1536880	2036516	1030468
9.992233	10	5	5	1915018	6028196	1384486	5974741	1779596	7221672	6752792	7115537	4623516
10.58813	5	4	1	242926.5	531048	123408.9	539292	319583.3	582647	437885	366692.5	607901.1
9.886433	9	5	4	4146987	18673843	8245082	18395437	8473364	14284498	14493257	10712241	22747421
10.95602	7	4	3	329640.6	1262065	399558.3	1247959	445998.2	1971863	1111657	1011973	1077643
9.507167	6	3	3	2593058	7417038	4839842	7242910	5591164	7625520	4043169	13758489	1527138
9.856867	5	2	3	1845841	7911385	3032591	7996854	1968679	11871256	4239351	7461269	6068174
9.56645	7	3	3	714771.4	731888.4	485974.8	711930.1	694524.1	1589920	398323.3	519623.2	534491
10.9645	10	5	5	726906.4	3072043	745652.5	3093508	528479.6	3908900	3758811	2588521	2179627
44.65283	6	2	3	319709.7	4410213	1954334	4460794	856363.8	937989.9	5021232	5106929	5592657
9.912633	6	4	2	1191829	2558942	764849.8	2582246	644864.5	2498432	2196041	2156828	2049160
9.912633	6	3	3	1979906	3290944	1921234	3228582	1868256	4281320	0	3636434	3589188
11.12052	7	3	2	461071.1	1262309	602916.8	1280370	490458.2	481188.6	1930802	790280.2	1595133
10.008	7	4	3	374547.7	627852	234098.5	616987.8	401376.1	738531.5	873545.1	740936	284471.5
36.15133	7	4	3	171764	1104290	376882.1	1115260	283977.8	1505634	593848.9	944009	1444601
9.257033	6	3	3	1103930	2170937	1372674	2127273	1292718	693044.4	2517868	1431068	1894947
23.0015	6	3	3	96365.82	273302.6	172775.1	279885.6	225616.1	155812.3	473347.5	451157	147805.4
10.94443	9	5	4	300949	713871.2	212766.4	723010.9	331063	893309.5	981597.1	482098	594186.1
10.95602	9	5	4	723665.8	2687969	987503.7	2659206	765952.5	1153872	2356053	3454441	3587780
21.9805	5	3	2	77250.32	280127.5	111135.6	276195.8	130869.8	170812.8	239345.5	247296.3	276769.3
9.933967	7	3	4	4063883	6461460	3779871	6567500	2671474	9556508	651402.8	8844054	4617492
9.960467	9	5	4	689106.4	1989579	330691.3	1977436	418521	2479382	1789661	2011088	1600852
10.008	9	5	4	542398	815767.8	352507.7	799938	595979.5	765675.3	1401593	732130.9	444536.5
10.19555	10	5	5	382390.1	1009746	228203.1	1016992	224591.9	924881.9	1137739	1345705	820727.1
9.999217	4	1	3	827389.3	952653.9	543099.8	928272	923156.8	1607144	989752.8	1291425	666066.8
10.95835	5	2	3	468426.7	1250636	349391.4	1261544	335758.7	1774096	1222046	1176107	795954.3

30.252	10	5	5	1383423	9397260	2455929	9287520	4171164	10913506	12127873	9304500	5626955
10.95602	8	3	5	404519	1049987	323309.6	1039938	307946.4	1486149	1240568	646953.9	892858
9.976317	9	5	4	694880.3	1713274	587701.9	1692877	692164.4	1981745	2447656	1786212	870258.6
10.008	10	5	5	982180.1	2389206	919787.2	2419621	999890.5	2380328	3924735	1526157	1882663
9.976317	8	5	3	1564900	4684089	674914.4	4654069	1148335	4964606	5476303	4529682	3646030
22.294	9	5	4	112821.8	384648.7	119073.6	389328.4	171606.9	224893.1	537597.6	447349.3	322750.1
9.853633	10	5	5	1291225	6976251	875927.7	7011533	1309078	7162962	6972169	5496614	7581881
30.30733	5	3	2	78190.5	270077	132439.5	273562.5	82549.99	404651.3	417366.7	213658.5	127684.7
9.840617	10	5	5	1779472	8095041	1529619	8130954	404940.2	9148762	8873980	6384311	6499828
35.76133	10	5	5	989015.8	7631491	2922757	7538666	3026262	10262805	6791689	3271076	10369921
9.994767	5	4	1	342498.9	463380.5	83063.12	456175.5	309235.9	361006.3	556703.6	539056.2	445267
9.840617	5	2	3	771162.2	1202628	726803.6	1179192	779999.4	914442.4	1318603	2223331	1332756
9.445217	13	5	5	2055167	19225455	5005874	19385258	5290925	25312376	20685768	21972487	13568496
10.04697	6	2	4	1353715	4054929	1697616	4157074	4264793	5668540	3942201	5239593	1315437
9.983433	10	5	5	6121244	12147439	6297509	12379817	8567143	15742410	20813113	11584754	5329192
9.976317	10	5	5	3236129	9604859	3052673	9706461	3522422	12034271	12695256	10548898	6515721
10.96997	10	5	5	217387.3	889148	317263.9	880882.5	207005	665727.3	823088.6	562908.3	1035210
11.9773	10	5	5	186977.2	871886.4	269119.3	879445.7	220836.2	1185315	1079625	566494.3	637974.9
10.0926	9	4	5	1003193	3346897	596397.8	3320000	1076634	2974203	2808318	3047529	3659518
9.960467	10	5	5	5107298	12689723	5252647	12529856	5194324	16886441	19232374	11721060	7007237
9.311883	8	5	3	499840.1	2431110	862674.6	2460677	1057370	2803393	1026771	2333659	3326530
30.28183	10	5	5	1377851	8542427	2024606	8457662	3326932	9056335	11203895	8557252	5540257
10.61757	10	5	5	130820.7	506832.1	57052.51	510157.3	140769.5	418866.5	568112.6	545043.1	501398.6
9.4775	14	5	5	1416935	6543234	3299715	6456264	2321177	4388476	2853093	7366182	11504221
21.4435	5	3	2	129179.2	526308.5	182239.9	518553.2	308697.2	493087.5	451768.4	450890.1	390170
10.9645	10	5	5	799202.6	3126410	412306	3142656	630667.8	3776708	2939771	3073159	2661196
11.287	6	3	3	65928132	1.39E+08	1.9E+08	1.33E+08	1.92E+08	822643.7	3.26E+08	1168325	3.66E+08
10.9645	8	4	4	475605.4	1208888	551367.6	1192239	547026.4	1755598	1843098	995978.2	747881.5
10.9645	10	5	5	392788.6	2154051	467207.1	2138435	559314.6	2636418	2567246	1700211	1644926
9.872883	8	3	4	4306025	8449434	8582307	8188765	8655948	1222831	13145896	3006970	3521092
10.45433	10	5	5	185403.2	623592.5	113353.6	618956.5	183507.7	791866.8	607055	488512.4	568247.7
13.09803	10	5	5	665496.8	3841022	1126234	3880497	1460563	5728708	3250532	3078303	3106342
9.270733	5	3	2	1750177	5541360	3148156	5445667	3195738	7116900	7705195	1545594	8540099
9.975217	10	5	5	1308925	2572377	650152.6	2614626	1835697	3623735	2614674	2550589	2102501
33.62883	9	5	4	339932	2452530	1004741	2475714	365693.9	3793658	2655406	1382383	2901439

10.00385	5	2	3	1927140	3383368	3409778	3288941	2830380	8127733	758605.4	1119345	1008973
9.840617	4	1	3	674692.8	2144554	1135758	2172199	604417.3	1858130	324340.6	3270339	2545146
9.999217	10	5	5	2080520	8483122	1253027	8538532	2257651	9400261	10138996	8189442	7425032
9.43325	6	4	2	738124.8	3934234	1817146	3882465	1617723	6562115	4202625	2201983	4481851
9.840617	8	4	4	5327313	6405970	10098953	6659393	6222245	2415299	1829381	1921895	24460063
21.55233	8	4	4	245062.5	1034418	330165.9	1043011	237922.9	585922.6	1437287	1135394	832303.6
10.32122	10	5	5	577700.9	2031645	403871.7	2021310	275804.7	1742517	2552241	2365317	1864843
10.9645	10	5	5	4583829	19080860	5546123	18938986	3825195	24284160	25360965	13856356	13755789
44.98333	6	1	4	298437.7	3244105	97018.61	3269732	1185903	3227475	3385813	3192638	3284548
37.47467	10	5	5	1886017	43473550	19031801	42924809	18085771	32776570	33884361	36744020	77380533
9.531467	5	3	2	243102	355093.6	217734.2	346296.8	357344.4	539909.8	525601.5	367452.3	342504.2
8.855567	10	5	5	2777293	10655939	2917011	10784236	5357846	9037215	15569051	11102193	8583709
11.52297	10	5	5	1108500	6131021	1136535	6089720	1623389	7718506	6475201	4958747	5093408
9.842	9	5	4	4975521	27390780	5329872	27260290	3254950	28427542	28157363	18479607	29034461
9.842	7	4	3	723054.5	1372009	362969.1	1358681	528764.3	1765762	1671772	958004.7	1043013
9.856867	10	5	5	1300346	7210504	654662	7262354	2361110	7233188	6874607	7681165	7958542
10.70315	6	3	3	142213.7	427130.7	249932.6	434374	246316	165815.2	828043.5	324275.7	339498.6
10.93618	4	3	1	184260.9	596844	297595.6	587632.5	333446.6	649140.5	334988.7	428537.3	483096.2
10.05535	7	4	2	983768.6	1440800	831244.5	1467354	991850.1	1853265	613146.7	553553.9	1722318
9.8887	7	2	4	943290.4	2859907	779059.8	2820913	1717122	3084329	1534299	3542628	3251446
9.460217	6	4	1	454778.5	1512082	708366.9	1534253	830083	1129443	1520449	1612262	2601244
9.896717	7	4	3	1222711	2835483	1082515	2797731	1519787	2053942	1995297	3189867	4574137
10.9645	5	2	3	326589.5	847573.4	359427.6	837549.3	343929.1	1159582	1303052	686074.1	511038.6
10.9645	10	5	5	6207328	29318825	6610881	29123440	7120222	36151636	36501957	24701831	22269505
9.986767	8	3	5	416365.8	1060358	396553.5	1076709	703117.3	1246320	1603301	1010471	538327.2
9.280767	6	3	3	924654.3	6449958	3303460	6561987	4489811	3948321	2216937	9212245	9842318
9.388367	5	3	1	522273.9	1150364	514008.1	1138467	288421.1	2008852	1128475	905404.8	649225.1
9.859983	10	5	5	14552606	85961540	2918064	86154708	9015520	84076696	87630645	87231700	81859931
10.98385	9	5	3	476943.1	1199632	840717.4	1220949	655916.2	270628	1223032	449266.6	1906240
10.94443	7	2	4	337827.3	1149950	346374.8	1162771	537248.3	1169201	1607028	964692	693022.3
9.999217	10	5	5	834949.1	2557625	853517.7	2583376	967580.9	2824991	3791196	2600915	1533919
10.9645	7	4	3	451962.2	1650489	516684.3	1635634	538984.5	2102879	2313704	1286090	1210088
9.903283	10	5	5	4742619	21922702	4486924	22137511	9692992	26292857	15560894	24694408	24079486
34.24917	10	5	5	1461749	13049264	6774602	13284001	9664995	24134263	11508673	6158816	13636738
14.54663	5	4	1	890753.3	4116883	4183794	4215043	2596269	1220644	5729484	2964264	103777.6

11.06855	11	5	5	6925522	28301968	5369729	28490253	7815259	34444890	33630810	26079046	22813836
9.874317	7	4	3	768080.9	3442380	1210882	3490225	2081925	4949818	1609925	3880555	3520488
10.9645	8	5	3	216131	560252	66886.43	555888.4	206450.8	590353.6	609741.3	478643.7	498499.6
8.91745	10	5	5	2830663	21064111	4599652	20818559	11379793	23209193	27686144	20368988	18275674
9.840617	7	3	4	822394.9	2632380	1043706	2603015	1065968	2357629	1480607	2976185	2112875
41.17217	8	2	4	411103.3	6857840	1060335	6930857	3479647	5022087	7472087	7638356	6930834
9.94455	5	2	3	1172981	1298440	718237.7	1322974	1018113	1932492	1912526	1582261	655620.3
31.28067	6	2	4	203885.4	1606440	499715.1	1583255	1057147	1872401	1208908	2016993	1997337
9.4468	8	5	3	458614	2047952	900287.9	2069645	644628.7	3461131	2428069	1561209	1323783
10.008	9	5	4	490496.6	1242960	136865.3	1228884	689890.5	1375749	1137042	1406128	1121527
10.008	10	5	5	1550578	2888278	1180149	2931877	1891141	3204161	4635952	2938450	1531073
18.297	7	4	3	72338.99	216423	152199.7	211723.6	189827.7	188026	42904.73	154346.6	455761.2
10.9645	5	3	2	820469.1	1803736	229690.6	1815361	550069.2	1858589	1525095	1670229	1826297
16.37372	4	1	3	51608.87	149585.8	29083.3	150714.5	50876.31	182126.7	117819.2	162535.2	165674.8
44.30783	4	3	1	505336.1	6828999	2083747	6785807	787585.4	4969775	5460703	6494082	6939675
36.15133	3	0	3	301991	5043802	155094.5	5022575	1071863	5114973	5228603	4839837	5101605
10.008	7	4	3	263903.1	545338.8	197200.6	550537.8	189926.5	510166	877457.6	543153.3	381141.3
39.31633	4	0	3	284094.8	5067971	159448.4	5095852	1420406	4935210	5100421	5321261	4931650
10.008	10	5	5	1077454	2156020	916845.1	2183779	1148677	2376019	3533428	2222180	1204526
10.96015	5	2	3	2059898	4670123	1752414	4630220	1168753	6686950	6430520	3521312	2941675
10.008	9	4	4	463643.4	1688412	436697.5	1676689	446979.2	2014176	1013588	2008487	1481048
9.460217	9	4	4	649685.9	2308148	934862.7	2354106	2225916	3563620	2555980	2415085	2027610
9.859983	10	5	5	1917495	8543185	1062370	8500116	2015815	8139460	7226057	9838009	9407884
9.896717	10	5	5	7196193	39821112	8125339	40026305	7361965	31843988	35349386	35176002	50895430
9.960817	6	2	4	763892.6	1650867	728543.1	1633343	591224.1	1404513	739932.1	2301076	1320768
10.93618	4	1	3	214426.4	496718.3	179967.1	491504.9	213923.8	569338.4	777945.4	415187.5	333496.3
40.92767	9	2	3	397636.8	4993983	797112.3	5023420	1353351	5309766	3589193	5572901	5209300
9.999217	10	5	5	2156265	3485025	1775214	3548355	2881471	4417253	6015069	2985102	1413218
9.992233	10	5	5	593579.4	1681556	500243.3	1699502	818233.2	1981148	2259574	1802515	1361034
9.994767	9	5	4	274029.7	675684.8	141554.7	680670.2	227157.7	882254.6	672208.8	702147.3	488728.4
11.01617	6	3	3	1079120	3195936	2395690	3133180	2409915	6205873	1635013	5286145	782473.4
29.64517	8	3	5	92340.33	385940.2	227264.7	381127.5	123956.3	519040.1	135406.4	187524.9	408098
9.992233	6	3	3	249668.4	652405.5	158957.3	656839.1	181979.3	564311.4	935247.1	578773.2	575209.9
9.30295	7	2	5	483313	1235981	607647.5	1267105	1561817	1161001	1049210	613803.1	1104072
10.95835	8	3	5	1030978	2788367	1108316	2758542	1202348	3052920	4575069	2179978	1720451



44.74217	6	3	2	202057.8	2602726	698814.3	2616790	301766.2	2463553	2364922	3608315	1710208
10.95055	10	5	5	644791.4	4001134	995718	3973128	1171041	5092699	4830961	3049449	2920536
9.960467	10	5	5	1021384	2759499	645061.4	2781325	1005704	3199648	2656384	3619741	2120226
9.999217	10	4	5	1120753	3489919	1906835	3543827	2290156	1950647	2735990	1873786	6267077
10.5677	6	4	2	102713.7	259232.5	24471.11	256950.1	120676.8	225427.5	293905.9	263470.3	253570.9
10.9645	10	5	5	271917.3	1202964	206078.9	1193380	481540.2	1425790	1380728	944068.6	1056100
9.928667	6	2	4	1361700	6553759	3463560	6635590	2966095	1915802	4703934	6468081	8991967
10.37572	3	0	3	116800.5	262021.2	132157.3	259322.4	69200.03	167082.3	478409	246787.9	145069
10.02372	8	5	3	1062239	2790196	878512	2762811	1247698	2312929	3124298	1741655	2701137
9.952017	5	2	3	771532.5	1079948	727159.8	1098175	721426.1	1750579	1952571	814737.9	532550.8
8.8836	10	5	5	14484146	3.21E+08	47192218	3.23E+08	90430734	3.28E+08	3.7E+08	3.59E+08	2.9E+08
10.21522	10	5	5	851781.8	4295238	947750.7	4355489	3176978	5442163	4177970	3008218	3888103
9.328967	8	4	4	567652.6	2148625	972935	2112797	1748937	1351653	3831836	1836217	1694665
10.95055	7	3	4	292907.8	698810.3	326961.9	707417.1	360855.1	1044126	1030844	607451.4	500915
10.11545	7	4	2	2036019	2951693	1469730	2907896	1997703	2758673	1851731	5414039	1798503
10.99268	10	5	4	445626.9	2087945	747821.1	2070723	630834.3	781593.8	2548369	2173999	2362310
9.979667	9	4	5	993194.1	3237078	1061193	3209361	1181304	4484720	4049318	3313636	2160729
9.999217	11	5	5	721827.1	2138100	600216.1	2122000	701116	2890741	2360089	2301654	1843607
9.999217	10	5	5	425286.8	1306080	341910.8	1295721	489204.4	1412152	1525050	1691527	1011842
10.008	10	5	5	1583231	2951261	1214826	2913281	1822753	3258359	4753038	2986883	1517215
9.983433	10	5	5	867892.6	2112751	871210.6	2087103	1198546	2845058	3129536	2007803	1063424
30.5395	10	5	5	758590.2	2570880	2074354	2520771	2041209	5884121	2008211	844060	3157108
40.59667	7	3	4	329589.7	4847246	811791.3	4802815	2398451	5177269	4726150	4615337	5967430
42.72567	6	1	4	312248.1	4476912	861755.2	4511469	1791001	2945578	4978577	4923928	4722016
9.431017	12	4	4	838481.2	1529694	1086595	1504423	992016.7	1005950	3242957	741217.7	692357.4
9.445217	4	3	1	498749.8	1637131	669696	1618833	828365.9	1109935	1196630	1923428	2687717
10.96997	6	3	3	1500069	2480738	2225306	2544323	2960248	3869747	5739408	786879.4	885559.2
10.9645	10	5	5	1410923	5711670	1574224	5678692	1101142	7189945	7530679	4580845	3998721
9.848417	6	2	4	1099080	4034686	1462480	4066052	1111020	3563992	1675515	4727671	5054127
10.008	6	5	1	1026507	1329933	399405.1	1312332	944064.9	1396282	1906806	1073434	853424.8
9.848417	8	4	4	675667.2	2082181	453929.1	2099438	901872.7	1872831	1897096	2047713	1725251
9.848417	9	5	4	761400.3	2959694	1428236	2995827	1600558	4632938	4138776	1597607	1506136
10.97242	9	5	4	437935.5	1920519	681394.4	1905485	576213.9	2438506	2332275	944947.2	1460448
10.9645	10	5	5	1399813	5766506	1540706	5735354	1011443	7289821	7448646	4637903	4051836
10.93468	6	3	3	1693364	4888868	2913662	4982016	4699967	7780113	3450587	1567708	8141864

9.45945	7	4	3	1199115	4652391	5542586	4782965	5500637	3155448	2500746	1347639	14489672
10.96015	5	2	3	277124.5	720025.5	207275.7	714699.7	241561.2	718360.6	848429.2	519078.1	520244.5
9.94405	11	5	5	917977.9	4079753	895865.9	4097200	524112.5	3980778	3868230	2845263	4384107
9.976317	10	5	5	1275305	3007849	1533365	3046537	1746761	4103913	4994577	2817446	1425299
9.9847	4	3	1	419004.3	1062964	380504.1	1053284	442110.4	1538646	1388058	840435.2	897273.7
9.976317	10	5	5	576719.7	1440428	625811.4	1425991	605120.2	1963275	2198005	1320549	734723.9
9.848417	9	5	4	1024403	3566673	827408.4	3535332	1679531	3411418	4153172	3328386	2398995
9.992233	10	5	5	496313	1297444	318915.2	1307540	517577.5	1703593	1366529	1463902	934736.1
9.94455	7	3	4	778040.4	1297963	352733.7	1287513	522903.6	1732536	1370069	1482791	828963.2
9.9847	8	4	4	472990.1	649347	186609.4	645241.8	166627.9	492095.4	455197.1	897074	630025.6
9.992233	3	3	0	348749.8	466245.2	182660.5	458323.8	442062.3	592002.9	158194.7	472214.9	494537.4
10.90012	6	3	3	227672.8	583230.1	334441.9	590516.8	296936.9	497274.4	707283.3	285498.1	324281.1
9.999217	6	3	3	738477.2	1102722	517607.6	1116911	699431.5	1353222	1794603	1177233	532486
11	5	2	3	382557	1096943	406983	1106587	431988.4	1376099	1651883	778687.8	693555.2
9.880683	4	3	1	1332524	4681725	938117	4713583	1703641	3134005	4474468	5332468	5077756
9.93625	6	3	3	11043806	13885036	17103418	14277819	17110687	1278694	1186966	1783471	33983622
9.508883	12	5	5	6603672	32308907	29928399	31591103	32630888	26366944	9249259	25063368	16474005
9.4468	8	4	4	620225.1	3738756	1529842	3785960	2460934	4509961	2528121	5241603	4703261
10.9645	6	3	3	180648.3	625388.8	181038.7	621011.9	201554.2	848778.1	780126.6	548155.6	420078.6
8.967683	10	5	5	6570340	86179153	17155578	86712410	28259033	87251825	1.1E+08	94390968	71503223
9.92825	9	4	4	2269075	6081621	2344755	6019134	3130948	5300050	4303712	5986292	10118878
40.87017	5	2	3	411900.5	3999793	502548.5	4038488	2313586	4778340	3611565	4209496	3820968
10.92208	10	5	5	310953.4	1360053	468486.8	1348294	570978.4	1760123	1576073	880425	827146.7
9.03715	8	5	3	408021.9	1001407	229833.2	992064	534096.5	1207303	1274720	950036.4	783081.8
9.975217	10	5	5	9175140	20466925	3612247	20652292	10914532	25822989	22521188	18437684	18363764
9.960817	7	4	3	32904100	2.3E+08	15089439	2.3E+08	28057853	2.47E+08	2.44E+08	2.19E+08	2.12E+08
9.976317	10	5	5	837163.3	2882237	1042096	2858180	1115511	3623896	4258005	2637496	1736507
9.888767	6	3	3	2117149	4252839	3180433	4194310	1866069	7811173	1764645	2827154	1307153
10.008	10	5	5	634587.3	1972227	353203.8	1960550	644114.9	2211843	2146786	2309433	1683516
9.190317	8	5	3	588713.4	3079310	1441057	3116098	1834616	4485727	758505.3	2720088	3681744
9.536783	6	3	3	752655.3	2073581	1555448	2105008	1253429	807032.8	944913.1	1071022	3877533
9.872883	10	5	5	2197939	15538237	2588665	15593671	2414067	12740579	12782232	16764456	18209549
9.992233	7	4	3	1093075	875780.9	489988.6	885472	376092.2	723562.9	692615.4	569948.8	1746172
9.388617	5	2	3	639421.3	1566214	492538.1	1578546	616284.3	2098341	1760728	794770.5	1751790
22.78483	5	3	2	90035.98	349001.5	215009.5	344056.6	232816.8	228592	295339.3	232855.7	257535.5

10.94443	10	5	5	319442.1	1007174	334820.4	1014839	362679.2	655713.4	1520831	921958.8	809270
9.508883	8	4	4	526705.4	1886128	555112.4	1915953	1801865	2520749	2383562	1435594	1274076
9.949233	9	5	4	1138454	3765494	1146420	3735497	1570753	4236521	5314656	2259913	3164561
10.02372	9	5	4	362342.5	976424.7	218429.7	982986.2	363049.5	927533.6	1324100	891866.5	732414.7
10.9645	10	5	5	313416.7	1150522	525255.8	1141726	206575.8	1874937	1320878	1036807	419537.2
10.02372	10	5	5	342744.6	801395.8	110557	797642.8	215619.2	672429.2	936349	889550.4	784690.8
10.008	8	5	3	336647.8	927473.3	234134.7	933957.5	351157.6	969442.8	1244623	695531.2	697982.9
13.02465	3	3	0	43692.59	191180	108192.2	193112.8	64565.4	97292.84	220257.2	223565.6	73999.2
9.431017	13	5	5	2043416	16504251	3904999	16404120	5325143	21493470	17094507	18757163	12530648
9.896717	7	3	4	4371520	12596192	4188906	12667694	2107576	9418314	9067158	13725752	19309496
9.8445	10	5	5	2763276	10415541	1877946	10478652	3703373	10671184	11167595	11393236	7126217
9.4775	13	5	5	1595689	11710369	2070920	11811380	6307072	10383973	8959049	14286658	12636206
10.97857	10	5	5	265816.8	1032334	199314.9	1039831	457673.8	1102968	935720.2	1302745	1054316
10.008	7	3	4	2391336	2376427	3163290	2446880	3576221	865684.2	1322315	1165605	8008472
44.37967	15	4	4	334567.4	4788939	1185877	4837645	3024631	4469448	4058188	3910501	6839002
9.999217	11	5	5	1205856	2667658	1102150	2695540	1530700	3210855	4188168	2641627	1352859
10.95055	8	4	4	165802.9	385196.6	73867.08	382322.7	178044.5	484862.9	390415.5	309440	317239.9
9.94455	5	3	2	6834142	8817562	10176355	9011745	8437687	1764163	1937546	23733788	15188044
9.270733	6	4	2	2012837	5543754	3298878	5471503	3709842	11296699	3475698	3880837	5353647
9.830833	4	1	3	2543237	5085589	2849274	5144587	2889021	6128710	1014239	4845346	4550691
9.992233	10	5	5	419624.5	1395043	419612.9	1402476	288516.6	1446809	2020561	1452966	891926.4
9.999217	10	5	5	1781380	3064724	1720201	3105670	2225654	4040692	5385965	3022451	1123722
44.32233	7	2	3	393496.6	5002082	404813.4	4964528	2483985	5158953	5594674	4918537	4509406
9.856867	10	5	5	2685030	12079519	1173762	12140920	3981958	14104130	11868851	11899343	11248929
10.38125	10	5	5	684546.1	2028593	630849.3	2039063	343426.6	2104638	2656370	2550711	1705388
18.96567	10	5	5	20656424	1.72E+08	26060896	1.71E+08	31500928	1.78E+08	1.83E+08	2.01E+08	1.31E+08
10.95055	10	5	5	582457	3682614	729915.6	3699688	929468	4319476	4555519	3147752	2877157
9.55155	10	5	5	660172.3	1634404	329796.3	1625232	539653.8	1671607	2179030	1524497	1480987
9.9014	11	5	5	622740.7	3386683	661613.4	3362255	1541667	3568959	3382440	2359651	4200086
11.29373	8	4	4	176387.2	492093.2	220694.4	497407.2	297231.1	862481.3	473534.7	442759.5	273367
9.946467	5	0	4	1402786	1892626	1062676	1875971	438212.5	2205974	0	2449208	2449591
10.94208	10	5	5	338717.6	892332.8	316550.4	886322.8	280141.7	963890.2	1335546	669338.6	515181.5
10.00998	8	5	3	421985	819653.8	221568.6	811997.4	484314.3	850052.6	1191811	645406.5	721633.9
9.190317	6	3	2	1440958	2652493	3218224	2723986	3885140	1364292	702994.5	714269.7	2173204
11.60568	5	3	2	123260.3	468095.2	116770.9	472082.5	253136.5	495139.9	624206.5	430116.8	488938.1

9.992233	4	3	1	806142.3	890045.3	466303.5	898817	410466.6	444200.7	673590.3	1544051	1207535
9.65225	11	4	4	16916370	31176100	45633706	30290149	43257177	1.13E+08	14996297	12994293	8914488
43.91983	4	3	1	392783.2	6659218	1638607	6683278	310860.6	7126724	5862467	7050147	8834281
10.01545	13	5	5	1518233	4329785	1417784	4308868	316621.5	2319863	4864324	3500301	5051712
8.960667	9	4	5	487515.3	1833350	904630.4	1819068	460632.7	2119011	3216304	1626337	1392601
9.992233	6	3	3	938437.3	1657249	955094.7	1677775	1127025	1591689	3250761	1170903	732563.2
10.95602	10	5	5	636668.1	2439528	756955	2451984	486700.6	3140359	3301178	1729799	1704113
10.008	8	4	4	383061.8	834752.5	196728.3	827956.7	446307.8	709089.7	850089.7	728557.8	714907.7
10.9645	10	5	5	1053345	5101045	937396.1	5119758	989043	6128541	6101509	4478366	4194650
10.9645	8	5	3	302195.7	895197.7	149691.4	890362	315963.3	970586.5	1081274	730900.8	940442.8
9.972483	9	5	4	1319285	1736140	1239865	1756031	770092	3835688	1883831	950143.5	1135400
16.5492	7	5	2	92852.02	447439.9	210681.6	444257.4	98496.8	647789.5	503943.5	144522.6	326606.8
27.1865	8	4	4	310830.5	664111.3	548785.2	654510.8	466257	204756.3	1012713	202346.4	1447872
9.568567	13	5	5	3339651	20100931	11604921	19864170	13553464	20242171	29371439	28910422	21215785
9.983433	10	5	5	6859697	12650600	3493744	12784697	9309506	15294245	17061503	12237915	9605875
9.872883	10	5	5	5685353	22547404	8041748	22732102	11378592	15389561	23842610	15312268	23280643
11.52297	10	5	5	1316674	7131745	1037789	7101817	1991441	8808511	7210958	6183731	6363710
11	7	3	3	64413164	1.51E+08	2.08E+08	1.47E+08	2.01E+08	4.21E+08	878345.5	3.32E+08	1445745
20.24783	10	5	5	149303.5	1046325	365871.8	1051977	219212.9	1620077	843089.5	968862.6	658953.6
8.97505	9	4	5	281358.1	808265.3	439586.1	798109.3	632238.5	693431.1	1584563	575830.1	668118.4
9.975217	8	4	4	695998.1	2273722	879161.9	2289082	771738.8	1903240	920151	2597742	2837259
42.86983	5	1	4	320679.8	4859647	174805.4	4870219	768367	4773742	4712865	4961263	5118040
9.63045	14	5	5	32696256	2.36E+08	88532761	2.38E+08	1.42E+08	3.59E+08	2.57E+08	1.62E+08	1.38E+08
9.382183	3	3	0	796435.1	1797003	836975.1	1777071	1270092	1366862	1353906	1999534	1094375
10.19043	7	4	2	338974.3	602374	339214	609930.5	468284.7	672287.8	1114083	616878.3	392732.6
9.992233	6	3	3	7214862	3977821	4428511	3887953	5308488	818578.8	1030989	633792.8	10107765
9.999217	10	5	5	820578	2711564	682913.7	2726599	932786.9	3127002	3457135	2964865	1813721
9.94455	5	2	3	1175656	1699272	735326.7	1684223	895970.5	1984988	1737889	2757419	961143.8
43.25817	8	5	2	385864.4	5073092	2322783	5104237	197575.4	1022786	5558557	6454044	6734649
15.34367	5	3	2	74874.76	356162.1	41959.38	357686.3	107995.9	310906.4	346735.3	324173	391556.7
8.855567	10	5	5	8581777	38175849	7781827	37947629	15671625	34187891	51237266	39383962	32196004
9.601917	10	5	5	4911495	24419380	3619994	24323856	6398358	27698171	28726202	23464271	20769298
10.95055	10	5	5	459501	1963939	539771.6	1952884	668494.6	2848340	2057443	1532844	1550601
11.6471	7	3	4	92584.66	303206.4	136428.4	301151	81409.12	185887	402930.1	193744.3	242863.6
9.983433	10	5	5	13929173	26526269	13469642	26809574	17409561	34748813	44804575	25097557	12031749

10.07558	17	5	5	3372710	8143268	2258517	8090534	3411854	7367286	11891004	7993457	7668187
9.845483	10	5	5	3040866	16315979	1332192	16354672	2697776	16698003	14499088	18023191	16771520
9.9847	5	3	2	3978753	5945623	7066361	6065146	6243597	15472623	586160.9	11554025	1767433
10.02372	9	4	5	319807.4	797510.7	199687.7	792738.4	317818.9	693533.9	1113806	716402.1	861250.7
19.286	6	4	2	66011.6	267485.1	112715.8	265870.9	57334.48	124238.1	257030.1	220705.5	304854.4
8.96815	11	4	4	171643.8	447098.6	181209.5	444170.7	147669.1	488443	741191.7	355384.4	375413.9
10.03947	7	4	3	255877.4	603970.3	120087.5	607355	239618.1	476108.7	685515.2	628973.7	744691.5
9.8445	6	3	3	2685411	2626201	1095867	2604491	1365793	3022245	1238505	3767121	1712428
9.994767	11	5	4	903651.6	2949726	634148.8	2960669	616622.2	2511291	3453300	2958347	2151277
10.95835	8	4	4	430800.9	1380358	653769.3	1370756	412349.6	1366136	1417660	1014176	681530.5
9.8374	9	5	4	803129.8	2010191	817381.1	1999207	309948	2011739	1397851	1157598	3241794
9.983433	5	3	2	910877.4	1165141	417807.8	1153753	830958.7	1674160	902551.9	681624.8	1516393
9.999217	10	5	5	873837.9	2470355	638759.7	2483585	886683.4	2945230	2883756	2956717	1947789
10.94208	9	5	4	154916	610576.7	241042.8	605792	314183.5	653194.5	1010225	463816	409573.1
17.32117	6	3	2	385557.7	1270425	1406322	1291509	1037996	248234.9	2409907	334690.4	3155646
9.9677	10	5	5	1262127	3028964	563842	3015944	916822.2	3701499	2997603	3436954	2279043
24.05483	9	4	5	263691.9	1203223	470708.4	1211016	450464.5	382512.5	1271348	1343848	1531978
8.98945	8	3	5	926657.4	2088770	1602658	2113206	1297272	1408046	4709469	2461749	1185877
9.872917	6	2	4	612624.5	2234056	387576.1	2242740	618721.6	2502955	2101767	2155318	2706705
9.842	10	5	5	1269363	3740494	898869.9	3721456	1330461	4878071	4248694	3908291	2892185
10.95835	10	5	5	240958.9	996935.7	247557.2	1000193	118800.8	1126177	1275352	664306.6	822558.9
9.845483	9	5	4	791577.4	4417872	955149.3	4436756	1298969	4514355	4523788	2815861	4914184
10.39823	3	3	0	150839.4	448262.5	139181.2	445731.7	167144.9	355024.1	687040.7	444702	348243.2
17.88033	8	4	4	190733.8	568075	426900.3	561675.1	347727.5	578475.9	409402	74469.19	1245413
9.983433	10	5	5	8664011	14423456	6898453	14270284	11240502	18438640	24124835	12646369	6768103
38.35217	13	5	4	365349.6	5545435	3871869	5598741	2481502	7495976	5822350	10647279	3144914
10.93618	5	2	3	229310.8	445295.9	358445.2	439881.1	303290.5	883887	692562.6	83724.53	86792.97
10.97242	8	4	4	419750.9	1221684	466382.2	1228603	379031.2	1671859	1775069	1017403	821265.1
9.859667	5	3	2	2061903	2786099	2523460	2823695	2102279	4708580	6257428	1123369	910665.3
9.43325	11	5	5	1274708	4739542	2204063	4777910	2547870	2430383	8310634	3828214	4087438
9.960467	5	2	3	558952.4	873069.4	482893.9	866888.2	235549.5	1262901	97802.65	1094483	1197220
9.67075	6	2	3	14160086	10290039	19684062	10617125	21055057	1255761	1593449	2372061	742892.3
9.859983	8	4	4	805279.9	2816636	1423215	2838245	1278856	1610588	5025815	2870142	3064862
28.24317	7	4	3	86820.55	421231.3	178977.4	418208.6	200576.9	215044.9	580632.4	277961.5	620238.1
10.00998	16	5	5	980077.4	2189934	1271154	2166642	1656797	2520951	592284.2	1553112	2251673

9.507167	9	3	4	3632543	16719388	13493619	16518614	12028235	1333563	15817268	5938824	28228673
30.09567	10	5	5	527326.8	2873655	751907.8	2854666	1515962	2025382	2985649	2948273	2396747
10.02372	14	5	4	977561.9	4195714	2108791	4163804	1971584	5049330	839892.2	3786060	4817821
9.374083	5	3	2	439088.5	1190974	476313.5	1198252	456467.3	1225100	468102.3	1808409	1223326
9.960467	10	5	5	6332133	16183198	6831101	16067888	7943431	21111116	25038837	15145927	8904734
9.94455	7	3	3	1084650	1275871	1222690	1292772	926564.7	2670967	2503598	203577.1	205310.2
9.979667	6	3	3	1028880	1916153	1749296	1894208	925089.7	4966003	1730241	995936.5	1234264
9.311883	6	4	2	1206530	5853097	3621073	5911254	3894389	4719495	1196673	6293931	11264488
9.874317	6	3	3	668246.4	1765516	1020211	1781615	1071540	1264752	490828.1	1599702	3169725
10.97857	10	5	5	331682.1	1751060	503505.7	1744024	405750.7	1144316	2345671	1365954	1769172
10.008	8	4	4	398064.3	867846.2	350006.4	860346.7	591609.3	821538.8	1399440	781536.4	425211.3
9.36565	8	4	4	423874.2	941950	341544.9	935843.2	447545.9	1281064	430343.4	812849.6	1210488
9.3735	8	4	4	690756	2776031	1023995	2755897	1545517	1233038	3915785	2583566	2686635
8.995417	4	1	3	182718.9	237883.6	182313.2	235299.5	154534.7	460148.7	249283.2	76103.87	367265.5
10.92208	8	4	4	192418.6	502298.1	235451.7	505681	210495.1	580035.8	364382.6	224272.4	495052.3
9.994767	5	2	3	1480878	2286921	1317529	2310143	1719477	3976351	3172832	2041555	607189.5
9.856867	10	5	5	1927136	11109501	3472336	11070369	933596.4	14438163	10810776	8995092	6641162
30.29417	10	5	5	3525631	17788587	2331488	17871430	7294708	17013463	21476808	17831051	15051823
9.886433	6	3	3	15839111	41657753	50210634	41005175	35263059	6393248	5674293	2958622	95176762
28.68683	4	1	3	442939.4	9019898	438499.1	8983073	3385017	8840217	8455797	9629383	8948952
10.95055	10	5	5	667429.9	3975834	1017425	3959929	1126973	5179376	4706031	3014673	2872241
9.960467	10	5	5	5091849	12779689	5408977	12857928	5164608	17100799	19447651	11999990	6909875
10.008	10	5	5	1548167	2878893	1128403	2902077	1890959	3235436	4544612	2869199	1584408
32.489	7	3	4	60393.82	215625.5	92775.38	216998.3	93030.41	159141.4	194454.4	162144.5	182878.3
11.52297	10	5	5	109325.7	436243.1	186063.7	433648.3	164541	667933.9	395639.3	310066.9	223340.4
10.9645	10	5	5	9239861	42124033	10303663	42278973	10718535	53224868	53162146	35442140	31612930
10.9645	10	5	5	6133529	29304792	6556565	29203501	7175058	36176543	36335334	24793612	22279276
13.0691	10	5	5	164415.4	1404742	415438.7	1399835	217798.9	1844686	1853526	962590.8	1191110
9.554967	8	3	3	2857903	18391032	11359605	18540783	8971098	32792614	17576806	18375201	21997590
9.992233	8	4	4	606780.5	1089704	444892.2	1081694	634899.4	1358621	1485679	1383859	520208.6
9.992233	8	4	4	5804961	6847258	11373899	6684801	11105139	949462.3	2497635	2120049	1503109
27.6245	10	5	5	577941	1405056	1323244	1381699	1882327	1160220	606573.7	429719.8	1126435
9.94455	5	2	3	3750064	4618147	5257378	4694935	5479653	995675.4	1062339	779257.6	12290979
9.842	7	4	3	2364525	3147934	3571993	3106501	1989506	1743472	1715874	9517220	1701865
9.3919	6	3	3	438043.2	2384431	1076305	2406497	1894954	3754723	777599	2782891	2336957

34.004	3	0	3	200167.4	646090.1	485908.5	654389.2	670453.7	1476579	482880.1	280337.4	651603.6
9.9351	11	5	5	1134333	3988697	1688489	3965266	1653669	6459383	2771328	2743511	5049335
17.0735	10	5	5	650837.1	2476942	1111632	2493403	1250067	933115.4	2709280	3954730	2001467
9.382183	10	5	4	978463.8	3306752	1612999	3283710	1712792	1206167	4617578	3999525	1978345
25.60867	4	3	1	61471.32	193818.1	70823.59	195069.9	106764.6	140774.9	230220.3	137219.8	159586.1
9.994767	10	5	5	675936	1158072	518184.3	1151780	391895.4	1561981	1614932	1415926	527886.1
18.02733	10	5	5	1861116	9969439	1071560	9995429	2431769	11881219	9491822	9467777	9394794
9.856867	10	5	5	6988536	40910293	6867218	40826120	5414117	45310027	42601039	29928523	39241523
10.02372	5	3	2	327747.9	495527.2	327444.7	500491.6	399307.5	407930	185064.7	225408.3	709983
44.98283	5	3	2	316619.9	4398603	950093.9	4387778	601045.3	4720536	4720728	4814671	2713495
21.77867	8	4	4	190954.5	2205681	442371.3	2195419	977523.2	1974704	2560415	2396625	1539604
11.07685	9	5	4	350891.2	1057772	478154.4	1051702	432891.1	1726398	1291111	1046910	701296.7
9.999217	10	5	5	1754723	3181655	1320027	3157754	2152054	4080674	4892564	3021502	1634204
10.008	8	4	4	645594.4	1072816	273411.2	1080887	797278.8	1131890	1515247	824343.1	891397
13.24407	6	3	3	32937.22	119546.6	40719.95	119033.3	37106.63	154933.6	85791.98	69125.9	159885.1
9.684583	12	5	5	1008714	4592858	2262837	4566501	1723695	5729912	5219263	5907148	5537212
18.76233	10	5	5	133147.3	593338	211559.4	596744.3	301505.4	903625.6	491978.2	495461.9	369390.9
9.358417	9	5	4	1009769	5337958	2428148	5388013	4804953	4758330	1915137	5856192	8691508
9.379233	5	3	2	2742532	4352451	4406541	4303418	3018002	884931.8	6948903	10859342	949615.7
10.008	8	4	4	588402.8	966064.6	482351.3	958398.3	690984.6	1003146	1745960	910716.1	467060.9
10.95835	9	4	5	194870.3	586043.1	220372.2	588991.4	243748.8	883616.4	629383.2	388137	679516.8
10.008	10	5	5	548788.5	1518139	215994.9	1511627	679102.3	1552690	1419540	1868721	1451491
39.08617	4	1	3	371300.4	5745051	261813.6	5761467	1778341	5326592	5855603	6030908	5805565
18.87783	6	4	2	727626.7	6819976	1707895	6787358	3222596	9084539	5053999	5609204	6253808
9.032483	4	3	1	245633	534416.4	297106.5	537455.8	167952.1	456922.2	1013071	549625.9	450852.8
9.986767	9	5	4	1068192	1733643	980893.5	1722456	801608.5	1787939	3187469	2008086	658021.7
41.647	5	2	3	347978.6	4547094	342359.2	4525929	2307856	5107348	4575635	4509227	4293374
10.95055	10	5	5	255951.3	829166.9	268081.4	826131.6	216409	1244586	937244.1	573572.9	663567.9
9.856867	8	5	3	1095609	2424684	780678	2440507	1609246	3017813	1864900	3284563	2541259
20.30267	8	4	4	431067.3	1072124	1823083	1095456	1966766	249512.2	123114.4	4329848	319146.1
19.69417	5	3	2	149831.9	1231236	293469.1	1227693	285645.4	750479	1345895	1325353	1202335
9.4159	6	3	3	1163868	2853380	1128309	2870758	1676759	2786403	1751839	1770841	4269534
9.979667	10	5	5	14101519	60981476	10003845	60832562	14158118	70793976	72297891	57938096	50682568
9.365833	13	5	4	479084.8	1324202	440540.1	1310624	1491267	884471.3	1048534	2023822	1238943
10.9645	10	5	5	11416599	51596649	12622772	51438877	13491132	64913526	65227080	43581464	38209246

10.9645	10	5	5	240022.4	809333.6	250230.6	806897.2	131954.4	961376.6	1129310	835564.5	551715.8
9.859983	8	3	4	551319.8	2022481	866698.1	2007847	1475950	1819472	1806861	1454899	1488821
19.67967	8	4	4	136761.1	539808.3	220717.5	543598	388488.7	719224.1	607978.7	392954.2	233133.9
25.76133	7	3	4	93163.13	288082.4	132198.6	286348.7	158472.8	109186.9	278336.1	284894.6	285514.1
9.3919	8	3	4	897535.7	5982917	924380.3	5952940	3389435	6422190	7090357	5477978	6236924
9.976317	4	3	1	821415	1008905	363931	1018414	1062643	938169.9	1052930	615142	845381.9
10.008	10	5	5	864196.1	2758587	718029.3	2748581	969220.5	3145515	3601775	3000930	1850914
9.976317	10	5	5	655733.9	1714369	964514.8	1724392	728833.4	2299607	2661921	2041823	217096.9
9.45135	5	3	2	276209.1	489843.3	231745.9	492396.9	204493	813226.9	605796.2	488361.6	292618.9
8.827383	6	3	3	228739.4	1307627	558477.1	1300967	596470.6	1731702	1694977	1672687	504466.2
9.278717	5	3	2	3740774	3971081	4435197	3923887	3748239	1067552	1024595	557888.1	10475945
25.73817	3	3	0	101792	465576.9	243340.1	463326.5	126741.7	449177.3	818753.6	276237.6	211391.1
9.338567	6	2	3	479260.8	2884742	1269849	2863058	2344182	3309286	787413.3	2659726	3932609
9.9677	10	5	5	6306781	16017482	6844749	15932275	8054460	21050360	24841589	14891095	8676270
11.27517	10	5	5	1070131	5183983	2242071	5211967	2692345	9127624	4409321	3683681	3954694
9.904767	6	3	3	1440784	4386538	2672900	4358041	2368924	8912480	4164090	3766406	3206598
9.999217	10	5	5	801134.3	2129674	788472.1	2118694	1165569	2268504	3351334	1945683	1188509
10.9645	10	5	5	648809.1	2094393	708116.1	2086006	816306.2	3282586	1605267	1762248	1613416
9.994767	9	5	4	541088.4	1376489	360534.7	1371101	591837.9	1383816	1881254	1082331	989292.8
42.48133	7	4	1	325097.9	3145703	1829967	3166024	1898155	1898669	4742646	3543926	4875367
37.86317	4	1	3	517444.3	9668733	2455629	9642130	2458805	11127581	5305806	10361788	10646843
32.80633	5	2	3	94010.8	351826.5	353315	348402.6	272802.3	96028.68	192105.8	13322.47	797841.2
44.98333	4	3	1	297603.1	2801386	1835812	2786585	439124.8	5807138	874304.1	2821914	2504851
42.35183	5	3	2	251063.5	3417201	514596.9	3424091	736621.1	3274670	3153336	3954129	2772070
9.40325	9	5	4	1594471	3042969	764257	3058472	1848348	2670792	3546225	2068645	2899025
9.864767	10	5	5	26707064	1.87E+08	10091232	1.87E+08	25238128	1.87E+08	1.71E+08	1.95E+08	1.96E+08
9.999217	10	5	5	4306199	7920835	3441935	7970318	5474924	9206956	13026802	7643095	4195492
9.983433	10	5	5	6629742	23846184	5023003	23783271	6586553	28432214	29882071	22239961	19682771
9.746783	6	2	3	625717.8	2033641	440283.4	2016694	2162240	2634450	1558465	2321891	1926442
9.848417	9	5	4	736956.6	3240075	1139513	3252084	1159960	4736057	4156066	2401386	2156826
9.989483	10	5	5	3020193	4922503	982220.7	4893320	3812011	6195338	4588926	5466178	4786229
43.5745	9	2	4	413474.9	6188976	1511613	6163749	3117447	6336535	6452681	6245509	3841318
11.2653	8	4	4	130801.4	444709.7	308326.1	442129.3	180075.7	942976.6	486494.7	380356.5	287352.7
9.903567	5	3	2	1297594	3160297	810493.5	3172089	1416738	3651182	2002143	3977774	2657548
10.33625	7	4	3	134536.5	441142.3	74966.59	439761.3	175579.9	472045.2	523819.9	430848.3	457504



20.26667	8	4	4	35553.57	154020.6	96116.22	154827.6	61591.02	301713.2	89115.36	154110.7	51372.49
10.97857	10	5	5	280657.6	1309298	401643	1305230	421279.2	1017843	1817395	924550.5	1128775
10.01477	9	5	4	450819.9	974680.9	264021.5	978252	434897.2	995371.8	1295611	1159643	675686.2
10.9645	10	5	5	526412.1	2338652	511511.6	2334509	300685	2722517	2875322	1745212	1854524
37.7625	8	5	3	207500.8	1104668	527822	1099329	563666.8	418502.8	921273	1002889	1337534
10.97242	10	5	5	214257.5	902397.1	324673.4	898838.8	413565.4	1345942	1026132	902212.1	775070.9
10.008	8	5	3	313987.3	754068.6	225383	751704.5	270503.4	773314.9	469669	1095348	751833.6
9.55155	5	2	3	300327.1	411330.6	302104.1	414365.4	344296.3	552247.7	805314.5	483147.4	88279.37
9.45945	14	5	5	4813767	27108982	14684198	26992005	9899213	22726336	12766555	19663506	29246516
8.960667	5	3	2	464832.8	1458011	243090	1460515	298733.7	1711733	1416530	1141373	1689885
9.328967	5	3	2	422157.9	1242229	579795.1	1236459	683455.1	1379608	230042.8	1358753	1630896
10.96452	6	1	3	179886.8	483213.9	160334	484436.3	103212.7	228811.9	497317.3	452745.2	605890.4
12.1081	10	5	5	477460	2558079	587461.4	2552223	724016.7	2943611	2342771	2033843	2083946
8.400833	7	3	4	15125262	5.79E+08	2.67E+08	5.76E+08	4.28E+08	4.37E+08	5.77E+08	4.95E+08	1.03E+09
10.01477	18	5	5	2130739	4686624	3023702	4714411	3431544	4859355	3209642	2228515	3308982
9.960467	10	5	5	5142905	12766541	5331683	12811721	5224045	17102258	19346815	11843687	7127366
10.9645	10	5	5	355552.3	1499650	394645.4	1503191	435926.9	1866916	1945747	1287347	1021097
9.445217	14	5	5	693896.2	5973735	1718321	5960496	1413784	5658779	7819845	7643653	4815427
10.91407	7	4	3	154441	506532.5	149031.8	504649.7	279223	519611.1	640682.7	280947.7	637133.3
38.036	9	2	4	442209.5	6891085	1438426	6914575	3653408	7393816	7554611	7575785	4322221
22.97267	6	3	3	80312456	3.14E+08	4.29E+08	3.11E+08	4.26E+08	1578898	1379861	7.98E+08	600589
9.872883	11	5	5	1833682	8575004	1049924	8592228	2709593	8123658	7585669	9527127	9868327
10.9645	10	5	5	991537.5	5126303	892068.4	5118695	956278.1	6067840	6107280	4452722	4277438
9.896717	8	4	4	1.36E+08	2.05E+08	4.48E+08	2.02E+08	4.28E+08	7625892	2484221	1.01E+09	8477699
9.976317	11	4	4	1574654	3716797	893445.2	3728245	1750454	2817875	3570138	4448486	4816816
21.767	5	3	2	144537.7	1401025	261997.6	1403581	358840.5	1768508	1495053	1299737	1054261
10.49953	6	3	3	233659.2	869070.7	514143	865524.4	338050.4	1545942	706348.6	1265440	437335.7
15.14642	4	3	1	133034.2	351865.4	319196.6	349848.2	134924.7	205944.1	171588	849469.4	52325.03
10.96015	4	3	1	1439653	2101849	1329434	2111166	928705	4050104	2467973	2279532	894957
9.976317	10	5	5	738460.4	2698912	460497.4	2704753	901737.7	2687142	3313702	2933338	2100587
9.999217	10	5	5	646431.6	1171511	530838.1	1166597	680545.6	1449827	1819264	1337147	567497
9.82645	5	3	2	1004352	2431935	954608.8	2421524	1564679	1783288	2016318	3992523	2680274
9.09495	7	4	3	1632909	3230939	3944167	3199428	3995856	1294491	648688.2	778743.7	3437816
9.445217	13	5	4	761238.7	4797275	2449311	4780565	1672294	708961	6873140	6161439	4449894
10.95055	10	5	5	643123.4	4105759	1063449	4114152	1063552	5327367	4918581	3160216	2896559

9.994767	9	5	4	1902261	3373925	1918938	3356899	2384965	4323058	5973190	3361408	965328.8
9.972483	5	3	2	412930.3	602898.9	336822.2	600075.6	385535.7	177324.9	999747.2	427075.8	527183.1
9.08685	7	3	4	256120.3	663538.8	428140	667146.9	495885.8	813108.1	1034521	1041310	330593.9
9.95825	5	3	2	880669.3	1789476	1071419	1782117	800376.4	3618007	1756291	1262815	867930.8
42.0065	4	1	3	305802	3492697	195505.4	3495848	534365.8	3788102	3543808	3390745	3263848
10.38852	8	4	4	275441.5	1697994	268727.7	1693038	855980	2068325	1655359	1754928	1696313
36.30967	9	4	5	213123.3	1143190	473886.3	1147704	693722.9	1695024	722784.8	840680.5	834481.6
9.40325	6	4	2	21272786	84207129	40427398	83892226	46332473	53882935	75204522	1.36E+08	1.15E+08
9.601917	10	5	5	15123884	77503247	11183554	77382757	20522932	83994451	93313828	74796446	65599950
9.8445	5	2	3	1175586	2375858	775914	2366344	1680036	3386624	1887909	2753776	2473189
9.9014	10	5	5	3749998	8105608	2715784	8128469	3592154	10565840	3767571	8169800	10233460
9.43325	5	3	2	2787099	19106721	20006124	18973691	17044176	42415403	5020281	6691764	39411762
9.61185	4	1	3	474389.1	817223.9	267691.4	814386.5	491531.4	919645.8	340147.8	939415.9	972979.6
10.9645	10	5	5	386611.2	2030079	301486.2	2032797	447328.2	2325019	2349698	1830316	1666961
12.7768	11	5	5	116315.1	642093.4	194543.5	643610.9	234804.5	805746.8	886412.4	505762.8	574952.3
41.93483	5	2	3	357791	6128929	1498785	6137742	1038316	6735133	6367502	3611588	6322834
9.3332	6	4	2	567630.4	3959870	1313458	3975668	2978265	5738433	4858238	3505685	2492304
13.3325	7	3	4	451752.2	4059675	1292963	4045992	2517455	4083457	3856068	6090286	3770248
9.43325	6	3	3	426071.4	2306661	728409	2312726	1043041	3414660	1770648	2139478	2602991
10.95835	6	3	3	1944764	4315335	4928684	4284665	4283615	10047681	503274.8	770090.8	891829.2
11.4097	11	5	5	299777.1	946771	281747.6	949205.5	437538.9	1418224	864054.2	702002.7	779545.6
9.840617	10	5	5	569689.6	2197415	158783.8	2194942	501591.4	2026137	2269685	2298603	2363730
9.94455	5	3	2	878012.1	1261292	455041.4	1263993	370310	1835443	625541.7	1502733	1271265
9.929783	5	0	4	924675.8	2336420	492853	2333129	558513.8	2583620	1585716	2870913	2146586
9.960467	9	4	5	526551.9	1457669	446591.7	1455179	342246.2	1878377	1800206	1519811	763057.7
9.859983	10	5	5	14474005	86567541	2907035	86608661	8703034	84976661	88168699	87608782	82362666
9.840617	3	0	3	3944175	6988786	2504972	6955270	7115704	8310848	2873035	9332538	7853243
30.29417	10	5	5	1698544	9796235	1548878	9814290	3796279	10185032	11931603	9899401	7639049
9.3735	5	2	3	859928.6	4934448	1568739	4919777	3000993	5973666	2812216	3836496	5443506
10.95055	5	2	3	406795	1036285	381096.2	1033175	612883.7	1507561	1367142	814773.8	619993.7
9.999	8	4	4	988368.3	1265392	1492803	1257853	913732.8	3925660	530942.3	714109.6	734356.2
22.987	6	3	3	250389.3	978502	405955.2	982531.2	843404.7	1517935	685124.5	581687.5	1291909
9.992233	10	5	5	936299.6	2349357	845933.7	2343031	1225367	2390224	3679577	2411059	1458299
37.331	4	3	0	218488.4	2731772	1254367	2737241	89280.71	634722.8	4023111	2956268	3090461
9.992233	10	5	5	809383.1	2194713	487297.8	2191102	703765.6	2748720	2368922	2490985	1681373

9.3919	10	4	5	2695873	20911067	4585765	20854324	12733173	18676956	14366216	21462809	23989626
10.98385	6	4	2	176878.4	546529.1	302162.9	548291.6	303597.5	344410	337278.9	368250	647774.3
9.371417	4	3	1	373299	1474207	607010	1478377	811930.9	1507664	567355.4	1599002	1427456
39.20117	8	4	2	413227.3	5165554	877886.3	5157648	1715813	4323913	4679573	6583961	5367349
9.8445	4	1	3	1140453	2113596	1491727	2106947	630419.7	4222819	370869	2078161	1123740
9.8445	4	3	1	989169.3	1808767	414210.9	1817028	1951379	1605200	1766436	1289859	1989522
18.96583	10	5	5	1286760	8420260	1758537	8428768	1170918	9779454	9681955	6804492	6212606
8.97505	9	4	5	494456.5	1401010	635137.7	1398241	244479.9	2020787	1921371	1460349	457900.5
10.25713	8	3	5	439460.7	2848589	610215.6	2845486	478335.9	2485044	3423084	3582404	2521929
10.9645	5	3	2	1200759	1959522	1417805	1966136	878587.5	985598.2	3574296	1039834	3440574
9.388367	5	3	2	829697.3	4704512	2990198	4718464	1895412	3216187	8889968	2712218	1921625
9.999517	6	3	3	13434006	10426278	21552564	10329502	11691519	48975591	1321197	781356.7	712535.9
10.95835	10	5	5	1179962	2925872	1017872	2920121	1072457	4553113	3309291	2221595	2274814
9.970617	6	3	2	3952818	6155247	7327531	6187731	3991061	3251781	4158972	19128081	1260281
44.9835	6	2	4	353244.3	5626635	1530078	5634444	1362791	6172476	6847309	6131002	2951109
9.960467	5	2	3	491400.4	896046.6	449765.4	894006	285865.3	1390088	180772.9	1051407	812457.5
9.999217	10	5	5	959756.5	2543610	1015397	2537440	1289845	2866961	3999772	2502554	1234861
10.95602	9	4	5	341787.3	1119579	471881.5	1121793	351949.2	1857073	1332641	814472.8	798339.7
10.95602	9	5	4	268185.3	814588.9	190960.7	812837.4	426005.1	927719	1052065	786398.6	544065.2
9.388617	6	3	3	8545259	5715125	8695835	5674689	6939209	1017876	20885440	682188.2	743439.8
9.8322	8	4	4	948113.9	3906641	293034.9	3901718	1317729	3691012	3726550	4058815	4353787
10.008	8	4	4	4126929	4317141	6570773	4347537	6039626	1446894	2244534	1322739	16022039
9.848417	8	5	3	1575711	5573028	1032804	5564544	2255374	5853651	6454278	3805907	5645978
9.9677	10	5	5	6279443	15805859	6746755	15840428	7926132	20875701	24449438	14589480	8534473
9.872067	5	2	3	1712022	5031295	2346158	5041647	2106320	5731490	2663398	8071095	6039192
9.713983	4	1	3	203138.5	436329.4	214328.8	435477	164383.3	550949.9	399455	743723.5	260965.5
9.976317	8	4	4	955409.3	1590221	960382.4	1595418	1339281	2443813	2762422	1181880	545016.9
23.161	7	5	2	77282.9	232647.7	127699.5	232173.1	79876.33	150369.4	450550	234057.8	192293.7
10.57323	10	5	5	535626.6	1693694	710146.2	1696353	517708.5	1634590	2833355	1798540	1126770
9.842	5	3	2	593846.6	1447060	937338.7	1450819	830607.4	2526289	0	1942668	1352293
10.45433	8	4	4	468653.8	1329982	433844	1328187	416033.9	1956373	1513369	1074991	820240
10.39612	10	5	5	6685862	40578356	3329126	40555961	6716913	35673590	44124080	42993112	39239595
35.77633	5	2	3	114771.3	570425.3	152952.7	569577.4	244095.7	583336.4	677068.3	617996.9	305464.9
9.864767	10	5	5	1758198	5688472	2181744	5678835	2521566	1998612	6309430	6361999	7812664
9.8887	10	5	4	2319550	7517410	3607424	7529153	1965272	4681575	4139452	9824341	12605146

10.95835	10	5	4	378401.3	1652062	470369.6	1650000	560345.8	2180800	2036315	1042260	1359124
10.9645	10	5	5	1226861	6078180	1125096	6082704	1198723	7269257	7320232	5268811	5012697
10.02372	9	4	5	294467.5	782056.1	185996.6	781072	310741.4	677345.4	1088027	823913.7	625206.8
10.95055	9	4	5	212163.3	723136.2	263444	724079.5	238126	969843.7	975826.4	704492.5	618744.7
9.920517	5	3	2	55936456	66702324	88894461	66383810	87211162	4250855	2261489	1761261	1.84E+08
9.464933	6	2	3	2422941	8114528	4334050	8091090	8001992	12742813	10266888	3353541	3613582
29.92033	8	4	4	9297842	17260211	38006799	17395342	38385078	252408.5	114411.7	267614.2	85248567
9.840617	10	5	5	1471259	4386539	1491296	4391461	1288214	4670584	3557890	2776728	4195623
10.44888	6	3	3	213214.1	544472.8	80592.13	543927	202140	531982.2	683785.1	516166.3	514741.7
9.994767	10	5	5	872595.5	2787695	787659.8	2784579	996122.5	3301335	3551903	3208640	2020917
8.780767	4	1	3	516045.8	1963548	744732.1	1960717	925835.3	1774434	2993435	2322305	1733872
9.842	10	5	5	3467705	15612163	2672654	15621014	2655466	18375386	16923328	11283294	16211776
9.419733	5	3	2	2766269	12604553	11517663	12565994	11699468	23074689	7452382	2838967	26853345
38.5105	5	3	2	382266.6	4719290	1273308	4722509	496136.9	4632170	4916037	6369373	4880563
9.119933	9	5	4	1447304	5217096	3265237	5207503	2645599	6364036	10234949	3970597	3876921
10.94208	4	3	1	177893	444489.9	167456.3	443799.6	251823.3	280130.8	726627.1	386523.9	428766.1
9.473717	6	3	3	1620601	7446739	8251594	7420133	8387532	2550997	2893892	20160046	305245.5
42.52467	7	3	2	394976.3	6697873	2370899	6691729	1298167	5412863	4992885	6269114	5968133
10.95055	10	5	5	715936.5	2999068	810762.1	3001332	604345	3843473	3851569	2472952	2076487
10.00998	7	3	4	270774.6	625737.2	290826.6	626606.9	259904.5	311509	1050982	702826.4	399182.9
9.856867	10	5	5	1149563	3471673	747327.8	3468422	1280756	4306510	4235368	2812484	2804392
20.25933	10	5	5	152221.7	1059097	366002.6	1060069	254386.1	1636094	875715.9	982631.7	662678.8
43.48833	8	2	3	470090.8	7952764	1861235	7945907	2617534	11268555	6867934	7084319	7310470
44.19283	10	5	4	371197.6	5874159	3370116	5866110	1922651	3423128	11719937	5695062	4420904
11.27725	10	5	5	1218242	5652845	2279075	5660495	2959832	9670256	4806582	4058212	4604368
18.09517	7	4	3	206352.3	1230615	73599.59	1229838	369780.1	1308581	1182116	1307799	1205503
10.07923	8	4	4	687135.8	1755328	877549.6	1757304	461146.7	993413.6	3174101	1968988	1143446
9.983433	9	4	5	803217.6	1277132	851277.4	1279537	1005504	1813751	2418893	1158230	301191.4
9.992233	7	4	3	407404.2	697783.1	137214.5	698120.9	125948	758347.4	788242.4	596895.8	833999.4
9.9677	7	4	3	1040857	1610323	389098.5	1611717	679091.1	2012378	1822189	1769370	1417511
14.85343	3	0	3	964704.2	3874423	373410.3	3866988	4268885	4108793	3759559	3309112	3909349
10.9645	7	2	5	160935.9	471054.5	105644.4	470780.2	127573.5	508873.8	637180.1	415560.9	369292.3
10.31365	7	3	4	455511.1	1128166	432662.3	1129211	465757.2	1408939	425714.6	1478068	1003575
10.9645	10	5	5	1214287	6117718	1095132	6120307	1143494	7259012	7349890	5296297	5121125
30.2805	10	5	5	4030735	26153610	2375644	26136416	9991837	24623912	29364652	26554663	23163702

10.95055	10	5	5	686139.3	3365682	1314881	3368629	1247968	4862068	4467514	2578456	1684664
9.232283	4	1	3	345206.8	1664069	453917.1	1662112	1101309	2194881	1056809	1522556	2027861
10.95055	8	3	5	327482.7	772646.5	343232.3	773366.2	285839.3	1231200	1019849	570836.5	393895.7
10.9645	10	5	5	468279.2	2523447	342594.8	2524485	598051.3	2823636	2884933	2269913	2094509
9.9847	4	3	1	1023690	636771.9	387519.7	638087.6	845614.2	1183989	157766.2	515115.1	830175.6
10.008	8	4	4	365307.7	830446.4	234664.6	829845.3	360358.3	953657.7	1021178	1012579	503376.5
9.856867	10	5	5	1261138	7070336	862017.8	7066649	2458427	7260666	6450354	7693753	8008894
9.989483	10	5	5	1962576	4495642	744140	4498878	2248598	4910894	4008837	5428800	4595689
9.392767	4	3	1	582977.5	679889.2	394329.7	678693.8	797921.4	964042.6	902858.8	0	681562.2
8.949567	6	3	3	78612.83	838943.8	238500.4	838365.9	364304.6	801441.7	1226340	856909.4	718513.5
10.95835	6	3	3	366705.5	827680.5	296450.4	828295.6	366736.2	1070597	1214522	668055.9	533946
10.95055	6	3	3	477178	1277675	496487.8	1278604	562107.5	1813258	1814942	1039579	912256.8
9.952017	4	1	3	613447	951598.2	523618.5	952434.9	461232.7	1387993	1426008	457934.4	324403.3
11.52297	10	5	5	988074.6	4446628	968756.6	4444743	1260289	5635901	4518886	3406605	3552234
9.999217	7	3	3	481023.5	963199.5	337272.6	962532.6	478124.1	1500740	1057586	853021.3	769039.9
9.8887	8	4	4	1381313	4647210	2129167	4650492	2020307	5264288	2174016	6793916	6370788
9.979667	10	5	5	799830.2	1790475	1049869	1792126	1103347	2503682	3141605	1707960	571449.8
41.71867	8	4	2	334248.4	3834737	2504257	3831765	1135594	6130772	3319589	634003.1	6581247
10.96452	4	3	1	171903.1	511719.4	159772.2	511984	193569.8	249210.2	612456.3	539569.1	660248
9.514333	8	5	3	451597.8	832406	203509.5	832945.1	502132.2	1074170	928635	906625.5	687481.4
10.94208	3	3	0	147646.5	346583.4	103522.5	346835.5	243612.4	329670.8	420300.6	376631.3	175735
18.6005	3	3	0	91029.77	249165.6	82380.75	249303.8	128994.2	199823.3	143755.3	360578.1	259690
9.856867	10	5	5	3347001	15346637	2160834	15349440	2284089	18182250	16882614	13837613	12940010
9.859983	10	5	5	5979759	27922637	2506834	27929443	8124469	28408826	25146240	30146902	30429732
10.008	9	5	4	323384.1	689044.6	93982.59	689278.9	298228.9	820900.4	693996.3	555211	686042.4
23.7695	10	5	5	4868563	26878223	7484809	26891683	17631165	15991577	29276092	28258372	24405533
9.999517	7	4	3	1087162	1733540	1635488	1734805	1017053	4655304	993433.2	895595	991373.4
9.93625	10	5	5	1840624	5998004	853909.6	5997034	1234139	6793762	6930209	4910953	5794477
37.73383	10	5	5	456475.3	5459876	187139	5459539	524634.5	5421148	5628887	5368801	5664945
9.976317	7	4	2	701217.3	1524054	588942	1523363	1014711	1333845	585320.5	1744835	2044797
11.02755	6	3	3	3.44E+08	6.2E+08	8.99E+08	6.19E+08	8.52E+08	1.11E+09	1.98E+09	1499991	4808394
9.379233	10	5	5	1875743	3023283	1915367	3022128	683051.3	3100042	851350.5	2340737	2734705
9.582167	7	3	4	499731.3	901009.6	466033.4	900677.6	416782.3	1602900	543359.8	499301.9	723387.8
10.00385	10	5	5	1931242	4394063	928299.1	4395499	2507863	4999401	3192249	5426284	4663916
10.9645	10	5	5	31925292	1.17E+08	36457367	1.17E+08	30684345	1.55E+08	1.56E+08	93055111	77120373

10.9645	10	5	5	494563.8	2647754	340967.9	2647436	614304.2	3037595	2968730	2349480	2307371
9.536783	5	3	2	5913819	4050685	5322461	4053179	3339210	907757.9	1341918	1028925	3608947
10.9645	10	5	5	1301033	6457689	1416393	6456904	1499499	7788939	8092155	5534151	4869678
9.960467	9	5	4	1545848	4167594	631097.3	4167939	774986.2	5202575	4130066	4129124	3860209
9.106183	10	5	5	1573287	4710832	1269408	4710172	1558646	5385781	6344262	4519522	2929681
9.946467	10	5	5	769336.5	2081163	791086.4	2081469	494100.4	3299428	1683844	2411538	1716828
9.699333	7	3	4	398068.5	821709.7	270728.2	821584.3	376681.7	801127.5	1141039	1038804	490972.1
9.94455	7	4	3	1834737	3478755	1240356	3479045	1086190	4642550	4784024	2987699	3159968
10.03947	8	4	4	215690.5	609127.4	144576.9	609168.7	191099.7	589117.3	658927	569000.7	415467
10.42575	10	5	5	3550096	18350230	3151044	18351545	8299552	21640587	20258680	15369237	14604846
11.00657	9	4	4	1024701	2259940	2143213	2260307	2956663	1318313	1507596	1071264	1318726
10.97857	10	5	5	321914.2	1931809	439483.2	1931853	212040.1	1851324	2284652	1304492	1805083
17.074	7	3	4	57862.17	240720	50579.45	240714.3	44750.47	216296.1	263394.6	265404.7	293478.9
9.975217	6	2	4	289635.3	674038.1	275151.7	674073.7	389280.5	499432.1	1068692	716799.6	342343.9

Untreat5	11oME1	11oME2	11oME3	11oME4	11oME5	isotopes	adduct	pcgroup
27007525	4688391	5302764	638770.8	8694485	2228634			1
14357702	550446.4	3787671	3807266	5555956	5339909			1
19990046	5321225	7734132	4401684	1020826	7135391			264
1366263	818372.4	467876.2	646938.8	865501.3	595290.1		[M+H+HCC	15
1.47E+08	787672.6	1.03E+08	301031.7	570635.1	1070958		[M+Na]+ 30	33
336607.5	10727583	15377056	14319482	10738353	16650657	[1195][M]+		231
2900927	1853183	1556841	1807544	1831307	1412304			1
492997.3	4233242	6475798	6278810	5572193	4097288			423
580776	121791.5	143415	150847	130326.6	373418.6			25
2937280	783384.6	1460889	1703429	1452768	2742476	[800][M+1]+		1
3642122	16106353	18733108	18974416	25243715	20623951		[M+H]+ 49:	97
283393.6	7223719	14058732	13176973	9968367	9512075	[1197][M]+		147
1534504	1160721	1120393	1100556	984313.6	1045963		[M+H]+ 11!	29
1549249	156283.1	0	114224.6	0	346310.4			1
3997956	2915412	2430111	1462818	2327336	1847972			1
26524526	12486511	16307240	15550583	12363319	8588317			1
214738.5	1180967	2621638	2552268	1963222	2158643			135
714301	1820718	3556352	3199674	2737756	2746231	[1197][M+1]+		147
56022.27	193257.9	312473.2	262783.5	195677.4	160614.2			302
14298497	8347594	9014262	8814972	8433323	4416046			2
54230117	14692375	13892770	23142874	1015709	29264012			1
270395.8	10601090	23305007	18122416	15965328	26001790	[1196][M]+		86
2264630	1172509	1173915	1482879	1328536	1720404		[M+H-CH4]	159
693807.7	11101076	23932678	26598002	24362123	15914368			144
2219279	1756348	420246.1	545486.9	1105604	679866.1		[M+Na]+ 4!	18
2469290	1174311	1135823	880547.2	2120201	441514.2		[M+K]+ 51!	15
1.79E+09	3373093	2382584	1.62E+09	2525703	8352176			11
574103.5	371066	274886.1	434514.7	122550.5	188313.9		[M+H+NH3	51
208982.5	6844967	10429845	15172677	16361116	9169044	[1160][M]+		156
4540054	4188175	3677511	2925502	3626017	3142372		[2M+3H]3+	6
3609341	2847530	2713747	1851288	2528557	1700552			1
470075.4	267491.8	329158	339727.1	372617.6	328266.6			100
1016229	782278.9	515116.3	592337.8	859013.6	770150.4			62
3793922	618645.4	2279298	770185.4	2846685	3016107			9

1790815	2111737	1910720	1868476	2017382	1898126		2
244419.5	4440320	11594937	10096666	7051528	6391433		100
768263.3	2410309	6255578	4574551	4350576	4313005	[1196][M+1]+	86
868901.6	385394.1	514163	298276.2	173600.5	375330.9	[M+Na]+ 4:	5
52802578	27873639	1525645	44581131	8613257	18567535		11
2818816	2364831	2420476	1984585	1718760	1511664		6
139789.2	441488.6	610452.3	800126.2	781592.2	400500.9		88
1145078	442545.8	186601.4	864645.3	348112.5	412390.9		110
757378.5	668828.8	545829.7	130181.3	785312.3	701573.3	[3M+Na+K]	12
1293716	749368.6	926557.1	461297.1	691669.2	1051992		1
1689372	3255795	5761441	6518166	5730227	4158419		64
576460.6	250964.2	385589.8	246185.2	291799.3	467185.9	[1019][M]+	503
871924.1	1775784	4142550	3773552	2907542	2876332	[1195][M+1]+	231
2434315	1776807	2035359	1772835	1145116	487652		2
856869.8	4699687	12572115	11038600	8736377	6328720		135
2291668	1092487	270359.8	752121.2	2318915	1488266	[M+2Na-H]	21
4633594	3029750	2782726	1878367	2942605	1938565		1
436081.7	724019.1	489852.7	861554.3	688864.8	626747.5		80
9204898	1329558	7186995	7216694	1675839	2005903		93
491454.3	192608.5	175860.7	0	173941.1	247822.1	[3M+2H]2+	39
941557.1	350574.7	716774.1	458669.5	761918	491048.9		33
233296.4	104957.3	128004.6	108046.3	92486.01	54857.67	[1038][M+1]2+	42
854462.9	1039737	1066631	1935817	1143273	1384849		35
25649808	21113147	13698887	18482945	18021386	16864575		1
6769075	5895514	4127823	3245747	5246910	4995057		1
462209.5	173912.4	339679.7	284092.4	326577.7	179174.2		508
1413610	468683.2	1169720	586184.8	637200.4	1096054	[470][M+4]+	2
5964168	2740095	2511061	1215179	2422403	1012269	[1186][M+1]+	6
7095747	1080238	3358462	6807716	1331143	2663068		1
2370158	654430	1103427	2063568	2156244	871024.4		23
3605008	6932179	11999909	18940724	14661655	15088649	[M+K]+ 17:	155
14992583	3794465	954381	6813524	6903990	3506569	[M+Na+CF:	3
812646.4	658949	483308.6	165155	535307.5	236873.8		46
5913610	1508031	3651947	3138585	1035532	249410.5		1
423855.3	1112641	2795232	1486452	1449852	1738674	[M+H-H2O]	371



7238765	4945868	1157222	209861.8	5044896	2496005	[36][M]+	[M+H+NH3	18
1269198	1361603	1590778	2076958	1687502	1816292		[M+Na]+ 4:	46
22611448	435805	14870680	12668767	24888441	729677.2			20
1566926	1239284	782585	1176221	1603051	494651.8	[1076][M]2+		134
6503876	4723842	4434481	2501000	5714105	4014238		[M+Na+K]2	38
7.6E+08	7.71E+08	2313533	1562499	3417351	613681.7			1
1270578	796934.1	657942.9	475623	641689.4	198203.5			46
34579836	23585118	21677497	11551511	13377162	15776296		[M+Na+K]2	15
1453313	929383.3	1036304	1262509	1013983	1203970		[2M+K]+ 3:	8
852260.1	625259.3	588556.7	557000.8	440704.4	812449.8	[944][M]3+		57
732057.6	348650.6	287673.3	498518.5	121312.1	144014		[M+H]+ 65:	499
2852921	2304260	1725115	1478761	1813748	1337192	[1426][M+1]+		38
1824317	1273454	859818.3	1134900	1047042	787080.8			4
728184.8	847379.3	811130.8	1064392	565688.9	1266841	[298][M+1]+		4
474472.3	583041	1239016	1095511	1046817	748462.7	[370][M+1]+		268
126132.4	560039.2	526444	549109.5	457492.3	787559.7	[1030][M]3	[2M+Na+2]	16
2467877	2498086	1211020	3608390	1121621	777612.2			6
3121405	1574710	2914554	2241608	2415193	1534483			2
30849279	21132962	6853152	12169857	1457646	9965362		[M+2Na+K]	15
2607664	1516093	2067875	1533222	1871351	779381.8			9
2461244	2560892	2305374	1622632	2034145	1253005			6
3828282	4268751	3779092	4686784	5935530	6557557			2
5.58E+08	3.76E+08	3.28E+08	2.43E+08	2.56E+08	2.68E+08	[754][M+2]3+		1
18104267	14039644	12631910	12433408	13078167	7018095	[1186][M]+	[M+H+NH3	6
7472433	4586818	5062773	5199730	2869759	2201827			10
369647.6	829193	2803720	2144587	1719624	1385763			107
389208	50745.03	288216.2	344783.1	259163.3	245856.7			33
569021.1	359641.5	397684.2	248469.9	161613.6	193494.5			16
2214515	1594725	1499947	1203055	1255164	99898.55		[M+Na]+ 1:	13
2381873	1925671	569189.2	1616612	1282818	1654398			1
135622	104640.2	102310.9	63429.46	100767.6	73255.74			98
1.44E+08	1.3E+08	67381947	1145618	900076.2	9493917			1
2382937	1450725	767513.4	539076.8	2628004	563900.4			1
3709739	2729554	1745730	2641336	4062014	3587189			1
855102.9	689744.7	513065.6	519217.4	540142.3	276992.7	[764][M+1]2+		141

1295579	999357.8	577248	280042	365176.6	384266.4	[188][M+2] <sup>2+</sup>	4
966126.7	920805.2	813273	731637.3	853585.3	417246.8		9
2064091	1354752	1198229	1668770	1515136	776604.8	[3M+2K] <sup>2+</sup>	12
5189657	2319246	3781979	3178953	1759898	3849808		354
1546740	1506454	237492.4	151425.4	308712.3	141958		101
1.46E+08	11399239	833691.4	1.32E+08	12478668	47428026		38
3624094	2247845	2275471	2435547	575814.8	1465570	[3M+2Na] <sup>+</sup>	72
464892.2	0	251446	166108.8	166105.3	106294.9		38
1845044	137251.9	813072.1	1504271	846516	733794.9		319
29315912	4647370	4679127	6294262	27861870	10386422		257
703957.9	633614	757317.1	427377.6	651737.7	390198.5	[1595][M+2] <sup>+</sup>	38
4192831	3558849	3223272	3594573	4028021	2746095	[M+Na] <sup>+</sup>	339
5951520	3252656	3483415	3623905	3629700	2150291		389
1021797	578527.4	125442.1	661181.3	813949.8	956232.6		53
33987726	1927896	2709585	2230751	4195370	5775274		1
31351953	6542814	1817155	28407692	11381962	6005852		252
25267460	24271188	4296045	7558345	3397607	4424814		270
786537.8	0	0	0	805663	0		1
10403580	5183774	7981189	6730610	4620655	3746960		121
2048128	2558433	2304989	959449.5	1811507	567925.6		1
555684.8	399583.9	67269.03	0	143979.2	476374.2		18
7252855	7760000	5448959	697565.1	6607507	1440042	[2M+2Na] <sup>+</sup>	3
277864.9	172755.7	121944.8	164706.6	101183	91175.41	[M+K+NH <sub>3</sub> ] <sup>+</sup>	351
213274.4	47794.3	225108.7	34620.77	182778.2	194720.3	[M+H] <sup>+</sup>	38
36787329	3835114	2213589	623607.8	1504634	5029078		1
14401556	11655936	9319962	8760132	11753918	6927960	[1386][M] <sup>+</sup>	12
524330.9	550104.3	736626.2	752570.1	713497.2	607376.1	[M+Na] <sup>+</sup>	83
629190.4	748490.1	0	0	570947.1	76522.32	[M+Na] <sup>+</sup>	46
25150832	1169948	9658018	4225372	23129566	4947877		201
2468381	1481248	2476607	1554639	960321.1	1628593		110
4384714	3274744	2532427	2767278	4220849	3511452	[M+Na] <sup>+</sup>	414
577415	77819.24	87330.1	55739.97	363979.2	91725.55	[220][M+3] <sup>2+</sup>	4
31619203	29569990	27116743	29744950	27186051	23656644	[1200][M+1] <sup>+</sup>	2
574969.2	384137.3	638284.5	176920.5	514611.3	479167.2	[1588][M] <sup>+</sup>	28
42394177	29020425	1480149	34903541	3655641	24184194		2

570881.6	505722	363936.6	325079.4	448834.6	207019.5		4
2474477	2028439	1891017	981321.8	2335787	2149949		392
652125.5	632156.8	331751.7	358424.3	92652.24	412102.3		72
1744799	4017743	3121562	2275211	3010930	5332023	[M+K]+ 384	5
1119944	1805963	2657448	3977576	4296139	2246849	[1160][M+1]+	156
1391683	1199707	831112.1	411728.4	883073	345579.8		18
474638	321655.5	328009.1	310978.8	209221.1	306728	[1107][M+1]+	16
4048091	3406430	2784905	2724882	3206346	2067311	[1386][M+1]+	12
256624.9	88656.45	109116.8	132848.6	36332.26	137091.3	[1532][M+1]2+	16
5558554	3172578	3470021	2982895	3216904	1410223		2
5672777	3958844	5004458	1841397	3259754	3143859		2
1555193	1290085	1281049	1188515	602323.9	1368763	[1143][M]+ [M+Na]+ 64	110
1724298	487828.9	826469.9	570810.8	1055890	443666.1	[1286][M+1]2+	4
3864554	3578993	2352953	3061733	1707072	3961856		369
9364238	1318141	10894506	4661696	11351415	5430604		1
1364071	1262503	904541.9	1153476	921318.7	782456.9	[497][M]2+ [M+2H]2+	16
16215682	11177342	10726680	5900860	14230175	3629478	[M+2H]2+	38
4061740	3828014	3718596	2187194	2529387	3631481		425
2182776	2340768	2391947	1769608	1808878	1250508		6
246115.2	334114.7	61856.79	11828.09	42202.33	253119.4	[1439][M]2+	18
466370	267530.4	279378.7	335439.2	374190.2	339035.3	[M+Na]+ 44	134
159599.6	45786.18	107370.7	72435.65	123111.4	152744.1		288
35760077	40582636	21347434	1147200	1687883	1095462		15
1314626	504834.5	767207	1117230	1075927	1403226		9
3820036	84248923	62606018	60512742	97484644	1.39E+08		15
16742377	12027252	7666036	11756199	9230589	6495603		284
87146253	791513.3	925838.8	1955345	657005.1	29245114		15
23152280	20466030	17259156	16740707	16911340	12674513	[506][M+1]2+	12
18068019	17592032	13932984	12775789	14230373	6803051	[M+H+NH3]	81
1350493	1197397	49951.82	153756.6	847125.2	587723.6		41
2045948	1541550	961053.9	1246855	766739.2	1250293		222
37912485	3458579	1909371	32864749	3965208	3788012	[M+H-CO2]	3
14975472	9186926	1087275	765384.1	12707961	3540917		266
544618.5	2324805	9665476	9387912	8034041	2789141		309
2140518	1183611	2066778	1833857	1685485	862082.2	[3M+2H]2+	35

1075661	1279896	1203378	1011632	832679.3	948876	[616][M+1] <sup>2+</sup>	9
645841	248348.8	635408	687092	796135.3	163658		9
2264011	982647.9	498007.8	1813416	719425.6	569073.8	[19][M+1] <sup>3+</sup>	1
34253245	34491946	4896646	5216126	18769658	8368391	[M+K] <sup>+</sup> 33:	253
2895161	638429.5	2451767	1570879	2295775	2305330		2
798559.9	2015886	1036792	55965723	1211910	5397356		1
6343081	811447.5	8059021	3094967	4572742	405918.8		1
46831754	3544802	6664637	1962860	12603440	3638773	[M+2H-C3H <sub>6</sub> ] <sup>+</sup>	18
7794988	5481701	7712143	4843045	3587846	4734932	[M+H-H <sub>2</sub> O]	314
1053288	1038359	757861.2	648604.9	930676.4	734845.6		9
9879036	3541056	5547714	6187432	3702049	6102456		398
256923.4	94478.69	153695.6	143886.9	498320.3	0	[M+H-CH <sub>2</sub> ]	46
2343726	2113713	2276344	1360546	2172913	1777605		2
221413.1	169412.8	247437.2	288321.1	85129.93	257016.6	[M+Na] <sup>+</sup> 4:	5
10986678	12086780	493532.4	2693507	1962257	3058098	[M+K+HCO <sub>2</sub> ] <sup>+</sup>	21
5335947	591910.1	6537632	1717008	6255902	1716126		1
4127623	2928370	3936387	2062505	3893515	1614718	[M+H+K] <sup>2+</sup>	38
4394725	4570609	2525312	2446848	4285507	2928901		2
1253429	977977.5	764095.3	993859.6	591087.5	433509.6	[M+Na+K] <sup>2</sup>	93
41083778	1383871	34776075	32332636	3570881	23566823	[487][M+1] <sup>3+</sup>	29
8180614	6209714	5928059	3529650	6054041	4072049	[M+Na+Na] <sup>+</sup>	189
15012111	14753956	11314421	11515683	12481094	10282745	[M+H-C <sub>4</sub> H <sub>8</sub> ] <sup>+</sup>	169
299598.8	232792	441914.4	117195.3	201359.6	320897.3	[1588][M+1] <sup>+</sup>	28
1307951	1220066	1046490	965785.3	534478.9	325310.8		1
3843875	1212749	2511801	2644151	952615.8	363960.1		1
3485292	2537164	1621783	935319.5	3007365	622555.1	[M+H-C <sub>6</sub> H <sub>6</sub> ] <sup>+</sup>	15
696015.6	986574.5	3219706	2420790	1692511	1566283	[1168][M] <sup>+</sup> [M+H] <sup>+</sup> 64:	371
487406.4	323661.1	475493.1	420253	466953.4	507347.8		100
20846286	20687528	14502215	8148322	21906541	16207960	[M+H+Na] <sup>2+</sup>	38
0	298416.9	538540.2	325523.3	314127.8	206677		4
4523548	5785350	1255121	2314179	3466221	3783392		11
4129179	5688608	11474697	7788535	13132278	11641804		1
18661501	7286476	7191511	7067715	8814336	6150079		359
1633912	492868.9	1556733	1203438	1618725	1365206		13
643933.7	517526.9	491334.9	240334.9	406973.5	444532		4

17421394	21199198	5581186	4859198	3882030	2712228		1
0	420834.6	582269.4	184321.9	248770.3	350012.3		4
197020.2	1098914	1018789	947711.2	945002.3	114851.7	[644][M+1]+	26
891051.7	0	266934.3	208344	532907	1116348	[1543][M+1]+	9
2104065	1998936	2487508	1752963	1991835	947710	[3M+2H]2+	8
7145465	4807635	4661670	2481675	6219344	3768789	[102][M+1]3+	1
12098928	8253721	3633124	3111250	6145882	5303980	[741][M+1]3+	15
530486.2	254614.5	316312.8	559332.5	367275.3	341887.5	[M+Na]+ 4	62
8567485	553711.2	6605133	7449926	7010599	2845525		1
1276924	141476.6	1135961	585330	1087802	491673.5		38
1767895	825074.8	1189636	1109591	1124105	465829.3		4
4275703	1659876	3269942	3174074	3406175	1626981	[M+Na]+ 3	29
1298273	1919412	1081170	1055894	961818.3	1304769		2
935170.9	156686	857313.7	276929.9	321979.3	837056		501
66297671	46866992	34252452	29518044	33259094	29234427		1
266579.7	235350.5	118270.5	176803.3	194323.1	104142.6		47
4633647	1936223	1397859	2675103	1649609	2752086		2
2532068	1747314	1886446	2131422	907777.2	860264.7	[1094][M]+ [M+Na]+ 5	16
3573932	2659028	1210785	2481739	3354797	1094422	[M+K]+ 37	3
175435.9	90021.55	138433.7	68652.77	54122.78	18522.58		111
166150.2	125953.4	181662.3	82120.94	160848.8	114688		73
6123955	5827314	602424.5	3684366	4352560	3646954	[2M+2Na+]	15
937145.3	677707.9	492522.6	246749.1	406879	571102.2		238
1668041	647718.5	154250.3	964873.3	958894.3	1206417		84
2121039	1682440	1342747	1994321	1423726	743159.4		2
937462.4	1461102	2984908	3573517	1467612	2430854		9
342103.9	807404	1427860	1251704	679901.8	1386367	[M+H+Na]2	38
306700	130825.3	0	197498.2	209109.9	370151.2		9
9360248	6159152	22833327	22020738	20944385	22669857		1
3494651	2635558	2095519	2328115	3266804	2002995	[M+3H-HC]	13
578967.1	413788.1	479092.4	327474	667245.9	336761.3	[1229][M]+	23
1055804	650979.9	798922.4	700842.9	682403.8	284350.3	[1008][M]2+	38
10718254	7074153	6000648	8196549	7396328	1566685	[M+K]+ 44	14
26732980	17459046	14706679	14721833	14937071	14602344	[M+H]+ 29	169
5982643	2198737	4968164	3344492	789882.3	5578373	[M+K+NaC]	195

22800525	25459832	3451887	18071357	2551407	4973253	[3M+3Na+]	93
11881150	1658655	3583996	7402602	648368.3	2230218	[M+K]+ 30%	15
7710627	1488017	8079110	4338243	1072918	9157712	[M+Na+Na]	15
1572533	2760353	3025680	2138916	2658482	3608863	[3M+Na+K]	12
76411.61	28325.13	44607.98	20981.69	23987.42	22682.54		232
1390906	779246.8	399984.8	541710.3	603532.9	1017080	[M+K]+ 24%	24
4618599	2.43E+09	2.34E+09	2.02E+09	2.03E+09	1.33E+09	[663][M+1]+	4
1138875	573537.3	696388.4	525585.4	846659.4	887950	[M+Na+Na]	15
1237812	1523666	1581623	1492949	1581151	1582210		252
24847582	19733898	4083604	16121307	511064.2	9101620		1
5737046	4478906	10857410	4136210	236156.4	741336.2	[3M+Na]+ :	155
27933430	30651900	8657850	4612336	4958971	2748725		95
670529	539857.5	560431.3	601765	511481.4	323705.4	[970][M+1]3+	16
389729.6	413993	313891.2	38791.75	285163.9	234080	[M+2H]2+ :	18
1157533	173964.9	336498.9	1111169	215967.8	784702.5		217
3827073	3074963	4402147	2581214	3043671	2305460	[1595][M]+ [M+H]+ 12%	38
422640.3	350166.9	632919.7	217273.9	339610.2	273976.6	[1567][M]2+	110
6983763	840759.4	4518437	4698268	4905497	1850843	[1293][M+2]+	2
5687247	4377301	3079088	3166273	3598350	2170521		9
11377717	81028547	87432997	87098979	1.03E+08	92974194	[803][M]+	1
5100661	9937158	6475917	10237757	10760102	9512970		356
759434.3	588043.2	641678.6	513442.3	337424.1	105168.6	[912][M]3+ [2M+3H]3+	23
4550361	3913846	2594917	3052665	2306682	2109949	[3M+3Na+]	20
3056950	2426803	2119319	1924602	3625898	2240656		1
12433726	9533092	2813207	7449383	5429505	3753761	[M+Na+CF:]	11
4164541	762015.8	1798196	1845978	2160349	1776834		20
5058367	3262585	3863063	3939769	4253295	2736546		2
21462413	5647632	14076500	14484962	6636295	6711898	[M+H]+ 24%	100
51608635	69739269	55789155	59944633	96527607	1.38E+08	[459][M]+	2
1605636	620104.9	903793.5	767065.7	1711962	322671.4		58
1113732	0	0	0	1065647	126915.7		1
1.05E+08	43949651	2256530	1.03E+08	5686642	13862227	[425][M+2]2+	2
1852498	1095645	1564624	1014759	1622409	586525.6	[M+Na]+ 4%	28
4012041	2147483	2207788	2174040	1035375	1381059		62
1016732	69795.63	0	510059.4	817338.7	0		9

236950.5	314065.3	2699686	2303922	1542282	1098701	[1231][M]+ [M+K+HCO	77
556666.1	345211.3	0	0	376214.8	833949.9	[M+Na+Na	15
24375930	13811286	10535706	16653940	9811870	6902517		9
1683985	2508426	1171561	1205776	2524090	110546.7	[M+3H]3+!	15
24411658	14049879	24814152	31725463	22517810	23024344	[1243][M+2]2+	2
12104904	9323273	2326338	8048073	10122335	6806662	[M+K]+ 34:	11
19608472	526922.8	280655.4	13885719	19230241	359359.3		4
423854.8	1380976	556931.8	2609880	2697352	2696827	[1223][M+1]+	101
1317125	740689.9	334963.6	1057079	83700.58	842494.5	[2M+H]+ 1!	53
2812048	819085.8	2167643	1302482	591927	0	[246][M+1]2+	1
643591.3	971490.3	548077.8	526650.3	1086266	0	[M+K+NH3	3
249303.3	193685.4	163382.7	202458.2	151559.6	210867.7	[1559][M+1]+	497
7033644	8471814	3271294	5714013	4286105	2013961	[M+Na+HC	3
694653.6	425595.8	422549.8	343364.1	266164.1	312470.4	[3M+2Na+!	38
3374245	2549913	2714088	2642543	2748837	1290165		9
1644787	598310.7	444895.7	495957.6	453990.5	463494.6	[193][M+1]+	56
1944993	1026202	1148621	1585920	510991.5	1390856	[M+K]+ 43(	15
1758378	1309680	1394036	2347515	1580533	1225332	[M+Na]+ 1:	13
1349869	162994.8	1322864	798046	1765017	792994.2		13
137810.1	88706.31	90549.32	151476.5	136521.4	46201.31		304
11797577	9256029	9823853	575103.1	1904254	2422915	[M+K]+ 17:	15
10660862	4136800	8962178	6618294	7253022	4414083		1
167156.1	236056	243867.5	16718.8	137813.9	281295.3	[1439][M+1]2+	18
3189820	1605454	0	1667760	1419260	152598.8		1
2.31E+08	300825.5	2.44E+08	1.91E+08	462661.6	404821.3	[M+Na]+ 3!	25
3563167	2212363	2497898	2436024	2197101	1225070	[1267][M+1]+	12
6296781	6403797	4406529	4962569	4178803	6679108		2
234510.5	91580912	74003741	82447249	72757882	51450678		64
4204580	548782.4	671480.8	254322.8	2926077	1002374		4
1055957	1316292	751344.7	357434.8	926660.1	1169566	[M+Na]+ 8(	38
3412601	1159858	1316548	2202376	3067949	3181453		382
13719206	10187216	7837670	8562915	9237918	9512009		46
3906217	2286972	2112131	3123430	1645733	1917868		437
1503977	1603827	1593369	1357878	1508404	2960817	[3M+H+K]2	136
1728843	1566852	1408079	1054125	1556280	544420.5	[348][M+1]2+	2

14232838	10804018	8948411	4983486	11426716	3713672	[3M+2K]2+	38
2683067	1912492	2432783	1192192	2998499	891353.1		1
2411308	3430696	6607226	5569717	1346407	4109713		4
7762900	4375116	2796189	2876186	6073442	5857695		323
4124296	1315774	1579783	2931865	1446462	2540801	[3M+2Na]2	3
563331	275757.7	430438.2	546645.9	416916.6	268027.5	[M+K]+ 280	185
4123673	2700671	3699478	3515558	1718668	3085754	[1455][M+1]+	44
65088.83	135041.1	185761.9	124590.7	138185.8	152907.9	[1165][M+3]+	43
5721322	3156348	3990501	2483762	5178967	1069809	[M+H]+ 860	38
3904081	2905962	3293793	3414398	3087066	2899059	[M+H-CO]+	322
998451.4	187442.9	244579.6	299253.4	114193.7	807883.7		18
158824.6	227017.4	555707.9	482350.8	307386.7	311431.4		302
2.17E+08	1993515	2.27E+08	1.51E+08	1.79E+08	1.61E+08		1
1441496	1566661	877999.5	878940.9	879258.4	707694.9	[731][M+1]2+	4
2118093	1525988	1388987	1593232	1802612	444171.5		47
349755.5	238738.7	304189.3	271161.1	115566	213005		28
6809260	4893037	5941013	7495611	4610827	4848018		2
751125.3	3.5E+08	3.06E+08	3.12E+08	2.76E+08	2.48E+08	[M+H]+ 390	31
475329.3	968830.1	831517.3	814914.7	1031247	1005138		77
1310156	765493.6	844249.5	669595.1	778508.4	193455.6	[1026][M+1]3+	16
748740.4	831953.4	654546.7	589572.7	321292.1	862016	[M+H+CF3O]	58
935363.2	929683.6	611105.1	734315.2	796236.5	435711.9	[642][M+1]3+	4
438225.8	637688.9	169357	0	570691.1	0	[M+H]+ 290	21
9566637	7673566	4267275	7070586	3416606	2356117	[M+K]+ 290	15
325821.8	948722.7	2567184	1251224	817883.6	2094217		8
5741030	3501117	6681915	4837636	1890282	4191013		2
4045517	1910640	1665105	2698397	794794.7	749635.2	[M+2H-CH3]	15
852116.8	908575.3	781062.6	455547.7	646599.2	103223.7		1
418642.9	695574.1	3001127	3534705	2224753	977745.4	[M+K]+ 580	77
36340.16	56746.1	98867.42	59541.29	48996.28	55448.77		342
8205879	4952332	9930559	4400074	4684154	1628236		1
1903677	6578816	7175179	7172408	11861481	12519329	[2M+Na+3I]	97
4319281	4749415	3434949	3576274	4309723	2827784		9
3280857	2475021	2706278	3434447	3218037	2603455	[783][M]+ [M+K+NH3]	24
1E+08	89806596	65589982	4922019	69736523	19840625	[M+Na+K+I]	3



216055.6	111680.2	168118.5	96654.22	148164.6	179298.7		136
866868.5	800483.5	589836.7	255596.7	523028.5	500865.6	[1620][M]+ [M+H]+ 17!	58
1.36E+08	1.66E+08	1.38E+08	1.15E+08	1.2E+08	1.69E+08	[M+Na]+ 3!	31
3331430	1043902	1087620	672692.6	3601431	1977672	[23][M+1]2+	1
1064056	2112942	1541645	1878029	1354212	1172361	[220][M+1]2+	4
311813.4	56001.29	101806.7	262922.8	158222.1	193913.4		505
293039	409695.5	161325.5	53611.45	312177.8	328026.1	[M+H-CH2]	39
5387232	5137077	3873760	4541650	4904132	1188624		2
6647055	3916698	6022495	6291477	2938588	2026136	[M+Na]+ 2!	226
1573218	1709869	1013872	1001099	1384859	1480469	[M+K]+ 27!	81
411233.4	124139.9	324896.1	321931.7	109791.9	65750.47		25
345660.7	407900	0	81164.2	394474.9	220887.6	[M+H-C2H4	81
472563.4	490123.5	292504.7	127127.6	714017.6	404624.6	[M+2H-CH4	12
615889.8	878015.9	1017638	547201.1	964927.2	929660.2	[M+Na]+ 7!	12
25524876	10885458	8140695	11630383	24314342	7627697		13
1430114	1157059	1290968	520796.7	1307386	147770.2		1
2009777	1818062	1446749	1263244	1049422	1063206	[629][M]2+	38
15889894	13586150	11783559	11342993	11586880	10952839	[306][M+1]+	140
4620303	1780229	850494.6	1611564	1760251	2304425	[M+H]+ 64!	11
3131327	2212914	2301702	2234075	2116663	2455954	[1219][M+1]+	150
447456.9	321678.4	181053	288881.1	197131.2	61643.8	[996][M+2]3+	16
3287168	3669354	1922942	3186996	2671848	2333886	[396][M+3]+	2
309334.4	726292	627692.7	769221.4	1146505	738080.7	[M+H]+ 49!	209
4842189	834010.8	823043.6	1116281	1703217	2999222		1
3938065	5205696	840403	4979122	3550580	666537.2		3
7655401	11083149	8022029	6124032	6372809	7850552	[M+3H-C3H	15
521898.5	1406720	1176123	988806.5	1038829	1123614	[M+K]+ 68!	101
9203391	5168144	4702499	6162649	3401674	3227396	[M+H]+ 58!	13
14382539	7301042	4704237	3846527	6922365	7870104		1
3205228	1773448	1471766	666350.4	2169463	571454.9		1
4151090	2365490	1103250	1483912	4058573	2042429	[M+2K-H]+	11
5476234	3549116	4595354	3041403	5163691	4861522		435
1168413	1697644	2416635	2447176	1486953	2792468		9
547470.1	1066421	714372.8	505468.7	528583.1	489000.6	[M+H]+ 30!	304
6893399	2850336	3149922	3343425	2345787	2444117		346

3489645	1730822	2561667	2298015	1461639	66986.67		2
3864019	4419011	3043632	1988623	3948577	3090955	[M+Na+Na	3
14164338	4097887	6519023	7329463	14020744	4518536		1
14646508	9533467	16063208	13661630	7301396	11514696	[1473][M]+ [M+Na]+ 80	220
12058473	4099805	3147704	7665744	1978331	2654257	[M+H]+ 330	15
88979.08	273224.9	1113490	582867.8	459454.2	238838.1		297
538507.8	782993.6	484748.6	643366.5	277392.1	445301.2		62
23574998	7176627	2911593	904441.1	5476018	4415114		1
1011059	1464868	381032.7	608435.7	1401159	471028.6	[2M+K]+ 30	21
5969657	4449860	2083859	3433956	4214855	2689103		9
4665330	3555426	4203197	1913808	7086647	3631741		1
1955367	1550606	1040571	1203265	1263021	502814.7	[M+2H-CO]	58
14624482	10880396	31969.4	15909167	7479525	4026786		177
1993774	1773738	320597.1	879119.3	1969192	516785.4		21
464698.8	0	245408.5	152855.1	287191	283839.1	[3M+2H]2+	8
750026.8	1031144	1229351	619107.1	387035	183124.7		155
1369887	981059.9	444108.8	963949.3	566990.1	702273.3	[M+H]+ 240	111
1879828	1766174	1415884	1606634	1718150	1772808		2
2363127	1392366	352347.9	313330.1	2109029	488318		1
5820673	4843480	1395978	4164116	3711103	2165934	[M+H-CH3]	3
2401907	3510102	2872325	2462317	2537805	1346453		1
5169180	3602288	3651402	3833286	2979713	704246.7		199
2775135	1634119	2200130	2269779	845476.2	678016.5	[1130][M]+ [M+H+NH3	110
23581533	4794676	21832201	6441993	5126415	20324544		263
2259286	2260013	597586.3	1188314	1030243	1152680	[743][M+2]+	83
5442263	5168519	5388488	2209086	3684939	2810733		1
9658898	6254867	5504832	8545946	4694558	6150927		1
10655764	3644834	4596431	6126980	4320941	1553278	[M+Na+Na	15
1548468	1457768	1368300	2430108	1594804	1709250	[801][M]+ [M+Na]+ 40	309
1089522	1153524	588649.1	737608	576595.6	1053990		38
4037442	2606457	3213255	1516168	2796607	1121566		38
837468.7	1112866	850709.4	462918.1	881896.6	356376.5		42
7825158	976189.4	4805647	5070003	5480521	189608.1		2
2285305	570828.1	1101791	1455825	1295075	803890.8	[702][M+1]3+	81
10886127	6613028	6850939	3889686	6205012	1054181		1

1496808	1879525	2227000	1042384	1003458	1361214		9
3946642	1816913	2498145	813090.5	1345797	610640.7	[3M+H] <sup>+</sup> 1!	3
54796547	187908.3	50531743	43892509	134974.1	273815.8	[M+H] <sup>+</sup> 52!	116
472969	2517480	1825739	3762775	3316596	5763128		2
15206421	13735230	3348441	18605646	15806041	2282991	[3M+Na+K]	3
8711559	10864051	7880670	6639599	10179906	2600088		1
453043.5	479286	8512768	4758348	5041208	2877468		9
2196146	1804958	2381618	1091119	1886594	3372957		93
204070	178469.1	190515.7	184014.9	127773.8	303172.8		16
1111532	144198.8	121689.7	0	1079794	139023.6		1
4038131	3665574	108672.1	128313.3	3224822	117663.8	[M+H-C4H8]	276
565349.7	810339.3	132556.6	0	174177.2	304367.9	[M+K] <sup>+</sup> 95!	18
1046858	83513.41	604246.8	745988.6	771277.9	271966.8	[8][M+1] <sup>3+</sup>	9
373436.3	448680.2	316857.4	224598.8	292664	262795.6	[M+2H] <sup>2+</sup> 1!	357
215877.1	513134.5	467510.3	43643.44	363161.4	389620.1	[3M+2K] <sup>2+</sup>	39
27626690	7776028	4632765	7168897	25611194	25128376		267
6725212	9404637	7187043	9287605	6238419	8923548	[M+Na] <sup>+</sup> 1!	6
4529347	6119359	3638379	4544751	5034248	562080.7		1
13036333	10441985	11820472	12283204	5355137	11171314	[1455][M] <sup>+</sup> [M+Na] <sup>+</sup> 7!	44
4831230	522927.3	5735939	3603323	2950154	2484549		1
7814769	8337443	7063228	3644743	7784048	5583809		2
448963.1	274388.4	257473.4	306122.3	253649.2	314156.9	[3M+H+K] <sup>2</sup>	450
5378326	3553957	3264506	4171202	4434069	3226098		13
2256560	1556722	1859901	1673903	1653224	618698.5		1
197915.7	610455	781322.6	329530.7	462589.8	674974.3	[M+3H-CO] <sup>+</sup>	112
2649983	540374	1900728	1731317	1596441	755472.9		13
3175058	2398104	2197637	2183954	2064044	1143011	[M+2H-CH <sub>2</sub> ] <sup>+</sup>	12
1504764	0	1437923	665702.7	1558400	155674		2
62054413	57426130	48301986	50019592	46948786	33533755	[506][M] <sup>2+</sup> [M+2H] <sup>2+</sup> 1!	12
3287287	1237918	2335403	2338496	2496900	2463711		404
1214429	542589.8	141515.4	945149	1353579	115974		3
353079.9	883112.8	3612845	4050513	896361.4	2823776	[2M+Na] <sup>+</sup> 1!	8
2257548	1131135	1009008	1749090	585308.5	1201063	[3M+3Na] <sup>+</sup> 1!	3
7280426	8716949	7090654	1976072	3455406	4700835	[M+H] <sup>+</sup> 31!	15
4454042	3319988	3625240	3760788	3385624	2773145		400

27053066	27755974	36045293	34296018	28966193	29335971	[602][M]+	[M+H]+ 38	83
1475085	10545856	7366513	1213672	7474996	10750972	[714][M+2]+		4
1881259	2186484	1029060	546724.2	3457497	861221.3			15
1257370	1277146	1726195	1179849	1383547	2456115			4
3884058	4350012	4414111	893423.1	596561	3680836			295
1.59E+08	174066	1.78E+08	86874.86	1.54E+08	169015.1			37
5719540	6292571	4235865	3953054	5605727	6865290			97
5241388	5488570	1620351	4314117	3819722	1272837			15
2543113	3792185	1182955	758022.7	1221925	1114172			1
160976.3	93618.73	97948.18	99931.92	87413.28	49176.95			117
2477441	360893.5	779478.7	1687440	623041.6	577468.3	[185][M+1]2+		4
114865.9	499229	175281.5	28534.87	166295.8	164549.4			18
2466969	2301774	2451948	1997316	4767520	0	[87][M+1]2+		1
2721693	2341406	1549865	646071.1	2436856	1333664		[2M+2Na+]	39
4162072	1789624	1253358	1662643	1621431	1204624	[917][M+1]2+		1
3423786	795465.8	844379.6	1593446	1575753	302322.1			1
1265107	1278785	1669185	1068843	999998	1231191	[401][M+2]+		4
18745358	2201641	1783811	1367485	14925462	8978695	[1300][M]+		2
1E+08	311283.7	24424386	82495237	109477.9	202357.6			50
1143875	3.24E+08	688915.9	3.21E+08	3.31E+08	1.59E+08	[133][M]+		4
8223269	1709655	3426065	7326501	2504347	1668976			3
10413835	11853004	9827586	13688958	19327554	12237347		[M+H]+ 55	15
11018541	11899862	9899934	14227765	19143431	22788034		[M+Na+Na	3
1398620	595801.5	1398975	505213.2	911229.4	133982.2			1
394070.7	1379145	5009534	4593067	943102.6	3253480		[M+H+HCC	8
1695320	826452.8	755003.6	1038889	942276.3	457544.9			2
228283.8	67470.12	241874.2	105100.1	93137.89	0	[1579][M+1]+		47
1953526	1848144	1701180	1657311	1140682	914527.4	[248][M+2]2+		9
638574.8	189596	481969.6	0	567886.8	0	[1534][M+1]+		6
1635031	1488679	1221129	1098631	1747690	384849.3			179
6276781	3842768	4226564	4033117	3014760	289528.2			2
428107.9	191561.4	385220.7	424273.8	195842.2	49118.46	[1451][M+2]+		44
2019036	1920858	1706930	1681767	1596063	1373529	[811][M+2]+		98
950108.6	898219.2	566640.5	627456.3	910505.3	119791			9
16131985	2640397	19890718	11766252	18095951	5159507			6

1939841	5255496	4828426	4862037	4803575	3483571	[M+H] <sup>+</sup> 53	189
3069977	0	2599895	2667442	1644916	0		9
287567.1	182229.5	32049.51	155624.4	201426.4	48799.93	[M+Na] <sup>+</sup> 4	16
1957809	901283.2	1288022	333247	1336707	699727.2		1
6999070	7794287	5278091	3089311	8174054	6428554	[1514][M] <sup>2+</sup>	38
407663.6	292787.2	258769.9	216429.9	294436.7	187674.5	[M+2H] <sup>2+</sup>	116
90608.6	33508.97	184854.8	86415.71	52092.22	0		28
7204100	2742995	2735837	7060650	4438292	1846593		2
523581.1	102084.6	158245.3	533343	78509.57	160044.2		118
4624697	2877398	4032768	3308267	713191.6	1969344	[M+H] <sup>+</sup> 11	72
774829.7	252750.6	429302.3	201175.2	655035.1	258504.7		4
1155830	1315377	1113439	1212730	1104679	1284365	[1597][M] <sup>+</sup>	366
4100245	2165882	3800559	813728.4	5500124	703634.9		1
1473561	2032204	663158	857065.4	841047.5	870057.8	[M+H] <sup>+</sup> 36	21
98228551	579176.6	1.97E+08	1.02E+08	1.1E+08	1.22E+08		18
2295927	1662675	419594.8	100951.2	1375665	2055533	[1479][M] <sup>3+</sup>	18
337189.5	313079.6	336409.2	91297.39	144949.1	214993.4	[2M+Na] <sup>+</sup>	134
1862900	1631738	2701419	2272221	2207644	3482476		2
164426	243538.1	317457.2	237745.2	320032.4	269743.1	[602][M+2] <sup>+</sup>	83
6990251	5617283	2345349	7792873	9000137	3552101		1
1471817	202810.5	1608099	162321.9	1440633	128709.8		25
17482255	17157141	11873445	5758938	19538470	14417891	[3M+Na+2]	38
306241.5	268918.7	173062.5	305660	224890.5	101940.2	[789][M+1] <sup>+</sup>	302
661227.7	1346101	2923788	2104171	1045024	2332921	[108][M+1] <sup>2+</sup>	9
903512.3	706474.8	577581.8	635896.8	648443.7	461366.8	[626][M+2] <sup>+</sup>	119
5855463	4800887	5356437	5584023	5488187	5694241		405
2507529	2465254	487218.5	1696128	1249684	1818353	[3M+2Na] <sup>2</sup>	6
5190763	1336175	1969073	1502316	1181528	1319782	[M+H-COCl]	3
5003311	4335949	4517692	4073947	4824593	4022097		198
3683757	1132176	297215.4	457186	520920.9	854699		101
1015464	0	1194693	230957.7	811893.7	0		2
3820907	586586.8	1886777	3054973	3107497	2175964	[M+Na] <sup>+</sup> 7	14
58218661	3832064	57421774	37747939	43476181	46982051		6
14536532	12263107	14141206	11925387	7192256	27340271		2
5400550	3611699	4850908	3922469	821514.6	2795108		72

359975.5	842523.5	543817.8	316577.8	596302.3	776026.4		4
712545.3	424584.7	397600.7	602964.2	497336.4	222560.2	[1076][M+1] <sup>2+</sup>	134
919605.4	477034.9	432351.2	630201.6	552970.9	724021.8	[1081][M] <sup>2</sup> [M+Na+K] <sup>2</sup>	134
1292112	2016398	1520532	799736.3	2155201	1203009		3
2303339	627341.1	1159064	451278.2	1303553	3049429	[201][M] <sup>+</sup>	239
2300547	1707588	1406264	1296063	1476625	894403.2	[764][M] <sup>2+</sup>	141
4564484	5075922	1535174	4142237	968675.8	3278342		9
1033199	623858.3	749107.1	920838.2	146456.3	232196.6		97
4448228	3103940	5215958	4475071	2388774	3508987	[1473][M+1] <sup>+</sup>	220
16986256	18520725	2775141	5529623	3666257	1980510		1
60676144	57355083	55032831	57266927	59356434	54063517	[202][M] <sup>+</sup>	150
581586.5	292958.6	336486.1	340040.8	168667.8	134590.3		42
2438096	1080317	1629318	1126727	1832273	1369935	[1335][M+1] <sup>+</sup>	12
7584152	7579867	5363300	4430095	6530823	3988560	[1426][M] <sup>+</sup> [M+H+NH <sub>3</sub> ]	38
9268856	8950207	13392719	5444691	40595.23	1581100		90
337019.3	286872.8	409398.9	464606.3	346673.3	200435.7		55
208328	131494.2	124377.8	84207.91	155880.2	107477.3	[503][M+1] <sup>+</sup>	135
567543.4	254430.8	654859.6	219697.9	212113.5	146957	[1454][M+1] <sup>+</sup>	28
290879.8	756844.7	730791.8	1051749	460449.1	654506.5	[2M+2Na+I]	8
3635131	3163857	3389080	1470441	3620700	2938222		38
1040962	433024.3	480979.9	680949	342643.1	113586.7	[1423][M+1] <sup>+</sup>	38
341270.5	176168.6	156624.5	245471.5	230515.7	111020.7		47
6524075	5506208	5259339	5512198	5120530	5312022		419
18151163	16713979	17716602	23993594	1773226	17348475	[M+H] <sup>+</sup> 21!	6
11430247	9144612	10138302	9291811	10700426	6036846	[526][M] <sup>+</sup>	281
6301963	4274356	6003802	4396877	6417642	4019840		363
499337.1	277014.3	168519.7	271755.5	371477.7	288028.8	[1380][M] <sup>2</sup> [3M+3Na+I]	16
3423181	1673126	2619123	3193541	841247.8	710899.6	[1451][M+1] <sup>+</sup>	44
8354001	8488926	8504864	7935389	7607064	7824725		236
9991382	5581828	4559332	5988748	6785673	2266006	[1063][M] <sup>3+</sup>	9
1202023	1257479	807883.7	1275113	987417.5	1683874	[1157][M] <sup>2+</sup>	62
6266731	3034923	1291591	4543746	3587458	2851107		233
29414486	6459649	13275037	9893499	30252673	5271172		15
10856456	5287574	2214030	9678165	6216402	6137527	[630][M+1] <sup>+</sup>	22
17897655	11582644	9881317	3963760	5431256	5463040	[334][M] <sup>3+</sup>	1

4072982	3427793	3111346	2767468	3761740	1904582	[269][M+2]3+	9
3471213	3420749	3286984	3325519	3536524	1738995	[M+Na]+ 3	339
30749700	27224542	20422194	23581771	18057096	9534791	[904][M]3+	1
2083505	5556650	2663548	3721007	2261892	5655045	[995][M+1]+	182
12103187	11490356	14945567	10770586	15481844	10864026		145
2742120	803830.7	1988624	2277741	1736604	1509948		9
1296328	1212097	2206803	1455705	1597270	1693776		9
1782150	1495244	5373799	6210001	5021556	5838599		2
1640281	2130014	1123299	583747.4	556047.3	1271950	[480][M+1]2+	1
507939.6	707730.7	5038055	3612692	913028	5090991	[86][M+1]3+	4
487780.4	304717.7	327603.4	282269.6	123683.3	356989.4		25
269654.6	418568.9	581210.4	616204.3	491771.3	494794	[314][M+1]+	268
5897302	4944064	1849937	1793060	4735935	2215107		4
4460986	1190623	2813675	3488462	2349059	2776888	[1618][M]2+	2
1542690	1060482	1086169	861488	630405.6	617816.4		4
4518528	4005674	2950221	2795985	3368985	1983449	[333][M]2+ [M+2H]2+	18
12567297	11789401	11652960	7778735	8715987	8721933	[M+K]+ 26	18
4838046	4726555	2914171	3729413	2072904	3498217	[1477][M]+ [M+H-COCl	38
11005924	6325630	7792980	8672702	8087607	3693438	[435][M+1]+	2
21565976	11197100	10219685	14349991	12833136	7739890	[1086][M]+	1
1.22E+08	70665020	85139622	55788433	74620682	52495391		175
680749.2	1626336	3026634	1142319	1860739	3320160		9
1578495	1579784	995563	1098673	1742566	2528033		2
269319	245160.2	190641.3	385289.3	310304.6	240176.8	[912][M+1]3+	23
410993.2	1.3E+08	1.59E+08	1.54E+08	1.32E+08	64709843		55
5618304	4419443	4700365	5267780	2929022	5188129		65
5116337	5779062	4255047	4149107	3893703	3590240		1
6969587	4323347	4523430	6347498	2473732	9916804		2
4337213	2428909	3711334	1647688	3819999	1486347	[755][M+1]2+	15
552109.9	87840.82	572376.4	180541	250594.4	183212	[M+2H-C3+	12
3743578	3774433	2921417	2883945	4299034	1304176		97
992305.4	2283010	1643770	2579715	1184451	3854267	[1065][M+1]+	238
3363502	932542.4	1162968	828067.5	4074754	2168900	[M+H+NH3	3
616543.3	739494.7	190013	326555.8	315800.9	273054.7		4
38620304	47191933	23887499	29705378	31012088	38310609		1

10788275	13393538	10480658	4484201	6084883	7301025	[1536][M]+ [M+H]+ 92:	3
2183480	2053259	1880099	1793542	912988.8	1725269	[1107][M]+ [M+Na]+ 5:	16
1813069	1183383	2036225	617722.7	2017411	1753903	[1102][M+1]2+	38
2029206	406564.6	456023.6	293359.8	759181.1	370318.9	[99][M+3]+	4
198431.2	4083542	4036618	3396571	3754602	2250738		5
458113.2	0	484702.8	0	355894.8	0		12
18029855	20850305	1673672	20115764	13856047	11029431	[2M+K]+ 18:	15
3579580	4520449	3879472	2637055	2615697	820407.5	[204][M]2+	46
380140.9	417618.4	324556.4	39541.13	195379.7	174063.6		39
3689699	560781.4	2978958	1887295	3259472	529577.7		190
4638944	1316683	8393137	6587789	4095460	5580077	[3M+2K]2+	8
2016741	1997169	1111435	1416030	1243617	960904.5	[310][M+1]+	255
821354.2	5582959	6734454	4925587	7048041	4176564		326
12407239	10957573	7286178	1866595	5443720	2592901	[854][M+1]2+	1
1140032	2959651	1428858	2369651	5561449	4715984		1
397097.3	143731.5	333293.3	278588	284891	286601.7		134
267266.2	2090268	1956152	1762007	2115699	4560598		62
17006732	13019976	9782221	13096082	11048039	11685260	[914][M]2+ [3M+H+K]2	46
5107941	2617583	4693830	2665805	4067330	2526731		1
43902898	4036580	50336176	30681774	31550020	27930765		1
3532173	3611864	3046488	1792481	2880587	1211217		4
6359695	13764414	6897707	12834604	12855283	12453085		337
722455.6	649445.5	395149.4	513647.2	345977.5	483906.8		16
8091618	5931692	5495841	5883205	4263167	5908241	[914][M+1]2+	46
1667907	1839207	287114.3	1012328	1441858	1200342		11
1076416	1366900	1980669	1110006	1526224	1219919	[120][M+1]2+	1
481855.1	45548.97	157265	160271.6	362353.7	400859.4	[M+H]+ 11:	134
47103120	38225148	67468760	899129.4	1753329	35128367	[38][M]3+	1
5463463	3685473	4813705	3233326	5111383	4829196		372
5118400	5552899	8230667	5870283	7110045	5189818		226
237132.2	250958.8	242248.1	138508.1	134865.6	88586.96	[M+2H]2+ :	169
433214.6	53540.24	363922	565872.9	246626.7	286762.6	[1008][M+1]2+	38
422678.1	322734.3	333310.4	170520.5	262705.6	114618.7		162
499389.1	254532.4	435863.5	325595.4	206987.5	209124.8		102
466032.1	244543.1	163829.8	188566.9	268874.9	98615.76		44



173359.2	496103.7	1036121	535910.2	296977	454937.3		4
1584209	1069706	1106509	598832.7	865027.7	600426.3		39
1.32E+08	1.48E+08	1.16E+08	87490062	95520233	71691581		1
96147879	8911354	9100052	13248882	5902982	6497999		1
4378810	2391718	2841101	4885648	2904985	4031170	[M+Na]+ 20	314
14285260	929721.3	24500791	8207461	14508370	3909278		1
1198238	1069494	542742	424822.5	783369.9	0		97
3364348	2474092	1876160	2922886	3286334	1383996		1
15588081	14288263	14521825	15591752	14870964	13899745		253
8373269	6856002	7861682	4931593	6477694	3472164	[M+H+HCC	140
25408626	10938898	13694257	10322343	12159479	10901356	[M+H]+ 40	195
4601379	272289.2	254934.3	638523.6	275541.5	1137547		204
493155	114597.2	104243.2	276277.5	186448.3	153942.3	[M+K]+ 11	134
6241333	4735531	10659551	10516591	11465486	9776513		190
2231973	995572.9	2183636	1651215	2035187	507625.1		2
10318460	8170438	8095264	6772239	6889814	6981910		9
2004029	1556698	1495802	1290367	1333886	702285.1	[581][M+1]+	249
1667906	509451.5	0	647550.6	776033.6	127754.7	[3M+2Na+I	46
3532582	2581856	2781927	2371655	2867702	0		2
4383739	4474574	2991365	2899500	3021924	2236219	[275][M+1]+	56
1957042	1677434	692246	1203226	648859.4	228499.3		62
3321061	3569843	3784335	3780318	3404521	3212449		121
731789.6	867374	767381.4	630664.9	344830.3	590605.7		24
1095288	2090361	1906568	2686103	2033473	2020508	[M+2H-CH <sub>2</sub>	8
561906	3043032	502337.1	3849392	763382	3139371		459
13703455	6367383	5314149	6328850	4105878	870036.2		9
4864355	3505490	3026098	3635416	3417739	3220332	[M+Na]+ 3	346
7670406	8652410	7451813	8305164	5631482	4532756		1
1453514	11230272	7123673	6696558	14925764	19340594	[M+K]+ 21	29
1981340	1329477	1189183	1120084	1267329	650854.1		249
877330.6	588809.2	597094.1	707639.8	539556.1	302783.2	[1083][M]+ [M+K]+ 56	72
68399352	1625893	885301.5	50524049	658261.5	60805233	[39][M]2+	1
10675943	363949.3	1628432	8758042	2381987	13430287	[M+K]+ 14	11
832149	2530507	5599271	5335936	2787708	5468472		93
23609696	16561084	22451451	20705398	20681655	16849667		235

4556678	3225775	2787253	1466667	1762035	581080.9		6
65270046	37890542	42955752	1568798	1728732	3876506	[860][M]2+	1
732500.9	205311.1	700213.2	664821.3	122951.8	115731.4		110
0	104816.1	78233.94	0	155342.5	285019.8		46
9428158	4768123	1477704	6025238	6584254	0		2
16284059	4153912	3877088	6760692	7819534	4521735		368
2674087	1754229	1792135	1770608	1948460	54685.1	[1142][M+1]2+	2
1.72E+08	1.2E+08	70752480	1.54E+08	48021832	50503445		13
104002	99349.62	47599.68	50889.43	66021.61	177829.1	[M+Na]+ 9:	450
2235164	2370467	1784972	2680413	2505312	302699.6		2
1780163	1432748	2727989	1012630	1462311	1870513	[M+K]+ 34:	11
2569208	5407822	1088613	1562484	2349170	2111504	[M+H]+ 61:	3
1861168	1503756	1070746	1662066	1239674	958949	[1012][M]2+	62
5197654	3885917	4517613	3224568	3538878	1225315	[1619][M]+ [M+H]+ 17:	38
1384102	19396799	20240050	21916350	20338898	19656236		250
6203209	6180072	6010201	5123876	4031290	3508200	[1349][M]2+	2
10781755	11573852	10395725	7941258	8396494	5781294	[852][M+2]+	1
1298415	782189.1	339248.7	21919.38	729289.6	1016659	[2M+2Na+]	18
1474545	835333.5	1804287	750128.9	1073946	386952.7	[1454][M]+ [M+Na]+ 7:	28
7507168	5207334	2925666	5147896	7750190	3234993	[3M+H+Na	15
350697.7	480411.7	95159.08	0	321635.7	0		12
269263.4	143669.5	167163.6	151529.5	102031.2	130316.9	[1532][M]2+	16
1135209	916057.4	651216.9	568790.6	339022.6	505066.7		81
4100063	4311282	251745.4	3227563	6524035	5886782	[M+K+NaCl	11
1642534	1226533	1799393	1429686	2141376	1654275		9
4108595	3398022	3446403	4047491	2993010	2494454		2
7644290	3456132	3292215	5779194	5488659	3271081	[917][M]2+	1
1354415	3175848	4700596	4988000	3674784	12165331		9
10207408	8010905	3189218	5518697	10840327	1878097		3
353875.3	216820.2	269429.4	187253.5	126437	228790	[M+H-C2H4	100
2271726	3521643	4109420	3232830	3205804	5808894	[M+H]+ 19:	264
350038.2	815486.8	672623.1	773314.8	422186.1	1263306	[1163][M+1]2+	62
337817	160755.3	278885.8	329231.9	209883.1	139954	[1550][M+1]+	71
2959793	747721.4	5531793	1066506	3130755	1246224		1
11319940	7518367	7858361	3799822	8185655	2714227	[1294][M+1]+	1

410060.8	414676.8	177458.2	138157.5	250460.9	260308.2	[M+Na] <sup>+</sup> 4!	98
159213.6	135100.3	60209.74	68970.19	133476.6	36739.22		102
885925.4	738096.3	1532575	1148116	1323732	886189.4	[148][M] <sup>+</sup>	239
2167967	67597.7	24705.78	31822.86	134557.8	312283.3	[M+H-CO <sub>2</sub> ]	18
4917515	4906805	4600231	4971376	4972236	3724830		443
3876563	4579879	4814995	3635612	3687794	1524321		1
562510.1	0	1152334	243226.8	747227.6	481179.1		1
294467.4	259329.6	216126.4	126353.7	15999.68	103464.6		72
2477577	2486940	1362059	2467111	2213334	2248728	[M+H-C <sub>4</sub> H <sub>8</sub> ]	201
2435514	127970.4	153679	230354.1	2099679	1017859		480
830569.2	391147	567867.6	606632.9	144338.2	149355.7		110
3796092	1589935	1743472	1757810	1689979	3966602	[83][M] <sup>+</sup>	342
2676321	1858877	963588.1	783513.9	1586592	438407.4		15
723610.6	4510766	3404504	2531161	3444256	5632274	[710][M+3] <sup>+</sup>	4
497047.4	914938.4	1439279	549694.3	527126.3	845064.7		9
802748.5	833981.1	5442294	4024397	742170.8	5601876		9
7482030	3699696	2922996	4484163	3496801	2340509	[3M+2Na] <sup>+</sup>	14
420287.5	1031233	2947959	2101102	579971.5	1430616		4
788684.4	747348.7	644318.2	425864.3	805654.2	881921.4	[2M+2Na] <sup>+</sup>	18
3803192	1538339	2532869	2948445	1126032	2160140		1
4434365	6644691	4169085	3905418	4922644	2932538		3
3794853	2554325	5367210	2717376	8029882	6494618	[M+2K-H] <sup>+</sup>	29
16857332	23151041	26741298	12893781	15882276	13326643	[3M+K] <sup>+</sup> 5!	15
1080070	895157.7	328885.5	136412.8	1248104	316508.3		1
4247453	4933928	4072411	4527566	5738670	6334063		431
4283504	3967012	2662217	2526149	3879634	3029002	[423][M+1] <sup>2+</sup>	2
2710562	2246778	1419438	1450699	1911516	2227168		9
1883977	3060090	2901705	1953845	3991208	991886.7		1
1660230	1155381	1458762	1551377	593525.4	636924.5	[3M+H+K] <sup>2</sup>	42
1588442	1531520	1565840	1157310	1027146	782001.4		9
3811804	3430900	3256054	3575473	3549209	3426848		452
5182876	7386060	4756266	6187897	5015588	4937431		202
2211543	6276894	23305395	20295587	6747501	9399327	[1136][M+4] <sup>3+</sup>	2
305881.1	258038.2	220207.1	177594.4	204982.1	194425.4	[1123][M+1] <sup>2+</sup>	35
4096263	7443558	7634089	7238413	9856570	7308812		396

2683743	2623989	2372559	1077404	4981987	1120911		1
4263715	1912081	2514242	2672291	3611549	765246.8		2
12916892	17148524	38262878	27439659	16912869	43815695	[1087][M]+ [M+Na]+ 5:	110
241964.4	173124.4	138381.8	96889.09	145658.8	210405	[1377][M+2]+	42
535193	214835.2	504618.3	279547.8	227445.7	205809.7	[556][M+1]+	193
1266381	438450.7	659431.6	419977.2	296593.9	524592.1	[3M+3K-H]	16
2707350	608167.4	348114	239279.9	389264.2	289315.2		91
1878061	781397.9	631311.3	983553.5	1008356	989635.6		1
445975	257202.8	217554.5	228636.9	203457.1	243154.6		27
6869458	4681567	4256161	3232489	6732521	2288590	[M+H-CH4]	15
5381745	5885292	556507.6	466260.1	274004.7	2180653	[220][M+2]2+	4
1359540	1402519	736342.9	145026	634047.1	1218904		153
263648	725390.3	5280974	3464981	1028549	1168068		294
592884.5	348827.5	552464.7	362025.9	525965.3	124361.3	[993][M+1]+	242
4613260	2619624	3975839	2448841	2978249	324226.5		9
11728516	12150349	10396624	7910807	7894810	3546132	[733][M+1]3+	1
16978581	12658799	16296181	23637085	17459391	28600432		6
2630736	2906570	1469202	1942685	2868583	2559512	[29][M+2]2+	2
1398181	1431785	481845	0	1294802	140492.9		1
24428193	23325628	20667868	11835973	11070508	16823063	[184][M+1]3+	2
1048921	982636	686135.9	761622.3	518363.7	570668.8		512
8831474	6243129	6505793	2133790	8561171	1650422	[M+H]+ 19:	6
22661590	22447581	21176546	23056489	21613253	20899826		180
12159632	12721290	10781738	6434706	12603505	7575964		1
713283.6	467793.5	118079.7	0	805172.5	0	[515][M+1]3+	1
1361471	2207714	1710963	1713015	2756600	3554722		2
466927.4	969630.4	1386132	3406397	3443598	1312630	[296][M+1]+	9
11126792	9195119	5629110	6916067	8761468	10427116	[1091][M+1]+	1
6188269	3327700	4472065	4183480	6348182	4266527		2
502074.2	467427.8	402247.8	777685	413673.4	937349.9	[313][M+1]+	304
745865.2	0	373103.6	664018.7	454974	0	[3M+H+K]2	8
824444.3	218352.9	821850	768640.3	803222.1	747603.4	[M+2K]2+ t	39
5092635	18748827	14352483	2926524	3296731	25477411		1
2356848	2010478	316287.4	736085	2144211	566260.1		1
4272495	2117421	3671612	4056374	5015634	2950366	[M+K+NaCl	13

350578	106563.6	220912.3	342802.2	342412.3	109542.8	[M+H] <sup>+</sup> 37	62
508404.6	264852	502031.3	470587.2	134529.8	176890.6	[893][M+2] <sup>+</sup>	116
2368447	11262865	5098337	5564853	12055848	12859281	[3M+K] <sup>+</sup> 2	29
3013594	2191694	2405069	1817787	1958930	1800992	[43][M+3] <sup>3+</sup>	2
95119508	89653756	81060642	72445196	76517435	50221863		2
2036567	1786619	175636.3	796721.1	1831349	870476.8		1
10687120	11116624	10237132	7646226	8117944	4471137		1
8840057	347925.6	9918141	7415446	5935623	3765996		1
110994.4	129714.1	171736.6	31962.44	151351.2	113434.7	[1229][M+1] <sup>+</sup>	23
4227875	744456.5	7182000	1739222	1829530	719662.7		1
4499012	4525673	6819372	6272686	4902782	5100054	[602][M+1] <sup>+</sup>	83
302946.3	231554.9	11054180	1088727	7040803	10221193		240
3016070	3437126	2178216	1574771	4607498	3162177		15
749792.8	514118.1	655022.5	623236.2	326103.1	554541.4	[802][M+2] <sup>+</sup>	57
9027138	9585591	10243606	4207308	4420560	6601026	[M+H] <sup>+</sup> 52	15
785309.4	0	1655016	843536.7	911734.9	0		9
5796185	5639077	6026923	3310310	4616502	1756151	[707][M] <sup>2+</sup>	15
138730.9	465461.2	411743.9	215093.9	331401.8	661428.7		292
9767221	7705669	7920083	9167217	7258467	9134971	[1046][M] <sup>+</sup>	150
2990825	2960365	2924064	1525877	1587284	867906.1	[M+K] <sup>+</sup> 74	13
982571.7	107677	1109755	786965.4	791335.5	123589.8		12
5755008	5543111	4835031	5433750	3451594	4892955		337
5629877	5329264	3286397	3963350	4330548	1125499		1
5814985	5734378	5493001	5509527	3025192	4344513		325
593995	222821.6	433424.8	256711.8	268117.4	197074.5		91
192618.7	766910.9	6571238	3977534	1183843	1422494	[957][M] <sup>+</sup>	87
6987775	2.3E+09	4.06E+09	3.85E+09	1.61E+08	2.69E+09		7
37472765	37462292	34196003	37143857	35793580	33148062	[440][M] <sup>+</sup>	221
112406.6	172143.2	136384.2	184210	254216.3	149937.6	[M+Na+HC]	136
80152411	51155769	24343062	25606780	30156210	39178500	[756][M] <sup>+</sup>	1
91203.07	141715.9	91616.17	67392.14	88157.39	107057.2	[M+H] <sup>+</sup> 18	319
632180.2	1204321	3477793	1895304	758879.7	3065024		9
1969793	2120533	1954978	598881.1	1722491	1232828	[M+K] <sup>+</sup> 27	20
1805115	1268290	1908672	1132638	1824528	0	[M+2H-CH <sub>3</sub> ]	15
12254349	13239235	10743721	10114619	12718965	8203022	[1016][M] <sup>3+</sup>	9

0	223654.3	88139.06	98697.84	186007.2	78115.6		81
461133.9	377586.8	489039.6	375400.6	622365.9	441600.9		134
1216073	101446.1	2390584	988692	1196035	662769.5	[1068][M]2+	9
4520109	8586492	10267820	4040163	10294795	12321134	[M+3H-C5H]	15
1729542	1214158	1168136	1312260	2494174	934543.5		1
18197628	3980772	1528364	1202290	6035888	2856962		1
245439.8	433079.6	810842.9	764479.7	465444.3	235044.6	[1231][M+1]+	77
371095.9	45717.73	341786.9	146857.7	269992	175284	[1472][M+1]+	38
236986.9	228615.9	170754.3	169875.5	234878.8	56244.75	[148][M+1]+	239
26737814	8676483	14187250	14457922	11859727	16543283		1
446240	1361771	3645796	2170549	3032961	4000018	[M+3H-C3H]	18
3529769	1339450	1860267	2521215	3052361	1203137		4
184396.7	338731	378435.7	254200.8	271126.7	417217		23
24074834	37711421	24097008	29398053	36014420	30547209		2
2442099	7207002	6154751	4406498	4052301	4013170		396
488890.6	528906.2	966938.2	543070.6	502057.4	762372.4		245
22779636	24552779	23210507	19776529	13640448	16639273		9
12968084	5121049	4534070	2425719	3436364	4818193	[787][M]+	4
17478585	6467592	15749184	18339010	14228152	16375512		2
829655.1	230707.5	752328.1	603584.1	891975.9	538173.4		6
7265514	7125591	7813075	5038233	5040824	6728620		221
6721511	5328698	5431862	4988153	4675555	6075629	[460][M+3]2+	2
512189.9	131709.7	399623.7	392210.8	131242.4	100900.1		72
1347565	1070175	727826.1	709976.1	1224810	479624.6	[3M+Na]+	8
728605.9	1002230	1928281	4303324	1025640	3016920	[M+H-CH4]	6
408248.3	831595.7	1273284	1369475	783031.2	2664733		9
1068483	1057922	763545.8	65878.6	1005870	424723.7		18
1055539	0	1050902	941469.1	893883	142329.1		9
59858543	51040166	30547947	46076437	47227894	19532995	[M+Na+NH]	14
6948163	5561277	6022559	4386382	6730752	0		2
35917577	1485145	43538285	25726827	37178556	71362405		4
5874435	8958913	6443588	5301029	9212203	1175590	[M+H]+ 24:	3
1017564	1234144	1504360	1276873	911227.9	1273964	[1319][M+1]+	9
1412700	1534089	217853	63078.94	1146684	776286.9		18
3577772	9532728	9331128	3473078	9748724	9582045		335

32689912	6195929	2282212	1496907	2466603	3133584		3
2411350	2807865	1660886	1498230	1079074	1940581		5
755999.3	587017.2	420277.7	552830.8	569568.3	0		8
17045963	10719436	16574057	8175497	14369611	11325921		2
6136061	21961283	16959410	16082425	29274506	39119994		2
9522078	6329661	6608751	7855468	3649452	2267375	[M+H+NH3	58
4710821	4604804	4619193	4164617	4237564	4082522		380
3542097	4228990	9427413	7176237	4451548	12111630	[1087][M+1]+	110
334830.4	397812	373783.9	412884.1	304856.5	253119.2	[257][M+1]3+	24
7736091	4986054	4158590	2755495	4113432	3670692		201
3682165	742351.8	2750929	2225757	4691841	2308632	[M+2K-H]+	6
248415	225594.4	136305.6	163921.4	10492.85	109927.3	[1069][M+1]+	17
1002601	1478452	840827.2	813809.4	1211657	283580.9		9
3768940	2044509	1545270	3003150	2319066	465524.3		2
870911.1	379949.4	896067.7	1033004	597646.1	544329.7		7
12730283	5946909	9995979	2181302	5645256	1060770	[M+2Na+K]	15
914645.4	920773.9	956969.4	846901	969051.2	559175	[818][M+1]+	86
878805.4	649662.2	573320.5	584937	678087.6	294444.5	[1012][M+1]2+	62
189588.8	138929.5	195471.4	120797.5	130970.3	144352.5	[3M+Na+K]	357
924241	300868.1	772891.3	382191.4	619264.5	318197.2		4
2026542	573742	1676673	1971130	2190174	2513335		13
5243891	7463306	4425410	3203288	3746205	11259582	[M+2H]2+	15
3350713	2496639	2071379	3143070	1223982	1678548	[1616][M]3+	9
3586579	8635265	4484661	4109389	4772746	861537.9	[M+H+CF3O	15
2551412	3981530	18189385	4300037	6080901	8910355	[3M+H+K]2	15
3490960	4358779	4107481	2376626	3416306	1360942	[1510][M]+	4
4742633	2012030	1379357	3034249	1688390	1762962	[M+Na]+ 10	3
7300954	7434297	11946323	9546427	309589.6	3052821	[65][M+1]3+	1
257951.8	224248.4	138676.5	206355.9	163729.1	181035.5	[1146][M+1]+	66
4143699	2753205	2869230	1850566	6419559	2154282		1
552681.8	421742.3	750013.8	703307.9	298823.1	894520.1		91
9732291	5143928	4142566	2736795	2048069	6447642		1
358309.8	483847.5	464888.8	195555.8	255174.2	512806.5	[M+Na]+ 6	51
3432480	6931460	8783891	29883867	9226469	26105362		6
1380407	1737823	1419786	1382408	900932.8	1884692		134

569205.5	1078603	131828.5	0	112197.2	617015.1	[3M+3K-H]	18
1678934	1031823	1615611	2656623	860893.8	1026175		2
4703136	2997042	1007019	492268.1	3161073	3321507	[M+H] <sup>+</sup> 70	18
2686667	1235971	2194143	2713743	1384632	0		2
2492385	893523.6	1300135	630280.3	1529527	1118934		7
27281444	23426669	19075390	16986680	24376242	16506595	[70][M] <sup>+</sup>	9
2245628	1957515	4502322	1467314	1004401	1865858		1
360496.3	683205.8	1377851	1420859	334817.2	983512.5		255
4215384	2248028	1259081	4134079	4726473	3627865	[3M+H+Na]	13
1226721	63218.09	510909.1	791781.8	1469385	721681.4		9
5854382	5018495	3946390	3987552	4730244	2249983		9
19535282	13718943	7448372	5291638	16897255	2064146		1
832309.3	680416.4	418900.6	603296.7	1266173	359788.6		38
709050.7	265725	299372	478300.6	331085	263015.9		39
4658852	3806373	3166209	2056721	3824200	863497.8		1
430959.6	168185	208946	245929.3	332434.2	275553.7		243
105872.1	66992.22	239608.1	13950.06	65752.36	0		28
11730273	14390853	10146753	2676106	5752168	3730948		3
904855.6	582035.7	325664.2	522129.5	896824.9	373319.4		4
413282.3	1257594	1355922	844724.6	1176299	2378014	[865][M+2] <sup>2+</sup>	9
19737602	550993.4	6551463	655706	14747163	4579428	[3M+2H] <sup>2+</sup>	81
1436861	1630392	1414725	1541209	1570723	1404884		93
5698376	79870438	78935406	79049089	77066316	76892803		180
667426.5	2774329	942523.7	3246202	198396.4	4540412	[M+K] <sup>+</sup> 19	38
3018892	3035022	3124475	1190865	3383828	2152287	[1102][M] <sup>2</sup> [M+2H] <sup>2+</sup>	38
2560671	3146321	2353362	1091026	2541842	1739758	[209][M] <sup>2+</sup> [M+2H-C2H]	18
593494.6	363856.9	418327.2	63718.92	580565	276094.9		18
13448105	6026727	8515371	10837941	3801988	2395542	[1451][M] <sup>+</sup> [M+H+NH <sub>3</sub> ]	44
6413394	4909255	4933959	4660560	2979430	4946672		321
1513665	1102608	9973544	11460361	16107991	11225997		29
2488836	35593446	33052947	35717214	35040694	33503289		226
6331488	4073129	2612742	2405957	7091282	5680821	[3M+Na] <sup>+</sup>	11
1322866	483619.5	1114735	1149216	986643.6	684271	[327][M+2] <sup>+</sup>	75
5439870	3861511	3289021	4416753	3412120	2439773		1
2901937	24773243	3139925	3115036	44899672	1469606		2



1003543	867006.2	1958266	1848478	1732164	490866.2		1
1535881	1178091	1220199	1003672	1983498	1673503		2
3707839	5117656	1550610	2950187	1090592	919507.6	[89][M+1]3+	1
1558552	1573808	1634237	1194006	869691.6	577648	[3M+Na+K]	23
2434864	3142556	629309.6	387983	1903606	2583252	[1478][M+1]3+	18
592236.9	346006.8	594500.1	743739.6	313004.7	274149		35
970814.6	550293	561297.1	870830.3	808514.5	485815.8		4
5964534	5146470	4876793	5663287	2646924	4984108	[M+Na]+ 71	42
3487370	4124544	3826732	4679536	9875114	2671745		3
1.2E+08	76681225	58211152	57685801	49570876	51109712		1
1867879	1664570	2242384	1917417	936088	1569125	[1552][M+1]+	362
5535957	790714.2	1132136	5066775	5241870	314007.4		4
532306.1	99007.19	626724.9	313705.4	169304.4	131849.1	[M+H+NH3	62
1465154	1481013	885827.1	1105544	1339884	1066172		9
969962.9	499480.5	331376.2	206584.1	534874	231139.2	[3M+K]+ 21	42
1.08E+08	73747348	64492378	54692095	85685947	35213639		1
1609789	1128514	912262	352239.2	1424049	469493.1	[2M+3H]3+	39
590464	608579.8	521855.1	576093.1	530684.2	843541.4	[M+K+HCO	16
2087475	3748292	2605783	3523350	2710795	2747471		403
651655.1	474317.3	906632.6	454449.8	559108.6	242035.2	[1015][M]3+	16
670299.9	753930.2	776712.4	735112.2	367403.2	268886.2	[M+K+HCO	5
1984425	1596847	2491884	1502000	2790126	3143926		9
1493644	663843.5	590027.1	419612.5	569079.7	483250.4		4
58220.44	85523.56	94264.5	86726.01	59952.38	109878.2	[3M+2K]2+	42
2272429	2677084	5844871	4814214	2699712	4870895	[1489][M+1]+	302
1143241	953724.9	203201.7	569152.1	902958.1	1316571	[2M+K]+ 25	11
451368.5	1519188	1340721	1779851	787081	2826160		9
547468.2	1376977	948867.8	1020805	1048943	2032799		247
1305524	4074737	11334643	10371756	3243042	2932588	[M+Na]+ 31	97
3955970	3003328	2539684	1619025	2193217	1857703	[M+Na+Na	39
4824786	1855536	3499249	3333062	6346892	901884.1		1
2434139	3292227	4148951	2327552	2420136	3741446		404
1547714	928081.3	158151.1	423081.4	1556606	0	[3M+2H]2+	21
2075467	1858034	1573779	1782921	1379156	0		2
1115820	1430491	416535.3	0	1118292	0	[M+K]+ 580	15

2032906	0	1829353	1538674	1198840	0	[1624][M+1] <sup>+</sup>	2
940010.9	158044.1	131598.3	624421.4	747120	0		9
4739836	1879227	3220914	2442106	4265582	1340006		1
706658.1	1165920	678589.8	58581.48	680731.9	936089.6	[M+K] <sup>+</sup> 66	18
2846869	11809480	9036413	8767396	10155391	6674973		1
1953491	1237715	3040804	1150894	2072347	1300455	[1393][M+2] <sup>+</sup>	47
2276028	2850791	1713221	2004396	2436612	561639.6	[M+Na+K] <sup>+</sup>	15
4796521	26852183	6186639	19978728	35985761	4966686		1
1395689	1000986	930415.1	997055.8	849417.8	404561.5		225
1787291	1752234	939317.2	595011.8	1283098	1307607	[M+H] <sup>+</sup> 42	39
10843012	5938216	5432357	8843848	7394545	9946988	[860][M+1] <sup>2+</sup>	1
27095290	63107051	43965300	18458157	32827055	27304919	[1289][M+1] <sup>2+</sup>	3
3540042	4602673	3055918	3608187	3938675	2007975	[1509][M] <sup>2+</sup>	9
9195354	11424959	5756173	3738680	7195752	10341029		1
3421565	2301611	2493015	2435419	2000268	1413005		4
3269883	4049782	3012246	2744742	1619346	4372273	[1260][M+1] <sup>+</sup>	2
382752.5	2724167	315324	4201211	438432.5	3288077		17
6380391	4022122	3500211	3648521	4502148	1565414		1
3618307	2284690	1470180	1687265	1231999	2307882		15
336330.6	32583.96	243161.8	181610.1	650528.9	288607.2	[M+K] <sup>+</sup> 55	38
1875082	2.41E+09	3.09E+09	3.35E+09	3.12E+09	2.41E+09	[427][M+1] <sup>2+</sup>	2
3246306	3205514	2904251	2343776	1961529	2211082	[3M+Na+K] <sup>+</sup>	86
7460386	623211.9	4045840	5123916	6058698	1759255		2
17454333	11204084	1488015	7526394	8144676	6795342		1
688680.3	716974.2	494197.8	384801.2	769463.4	577456.4	[M+H-CH <sub>3</sub> ] <sup>+</sup>	8
2241201	2442418	2517470	2562805	965640.2	1717933	[M+Na] <sup>+</sup> 2	24
5481655	2343493	2646070	3121640	8360092	1431212		1
1100346	717166.5	646890	445346.8	335401.6	393232.8		4
512532.4	352937.7	729663.9	366090.3	113743.5	0		9
223913.3	10439555	7349448	6281244	7019264	11356701	[M+H+HCC] <sup>+</sup>	10
4984087	575223.2	1310433	1742855	4645359	2992117	[665][M+1] <sup>3+</sup>	4
12668766	12552527	11184629	9502919	11528371	2450456		1
704892.5	463102.6	489200.8	495025.8	530558	285440.3	[3M+2Na] <sup>2+</sup>	42
262616.8	189148	224555.4	533419	316818.7	73487.54	[M+H] <sup>+</sup> 33	46
167076.3	55612.28	91355.77	113361.4	144245	202572.1	[M+Na] <sup>+</sup> 5	44

322354.1	171319.7	138529.7	129296	333919.2	104581.9	[1494][M]2 [3M+2Na]2	44
239788.8	575601.8	446225.2	951751.1	616758.4	1173000	[1185][M+1]+	96
5748086	4372828	83466303	67225093	39586717	22029654	[M+Na+NH	12
993957.2	1419063	652520.1	310854.5	474759	263537.8		1
950452.9	815595.1	0	533110.6	973988.1	0		1
14942333	11877733	9982866	9999247	10783265	5325920	[581][M]+	249
1302142	1278185	889284.3	1011412	782960.4	214703.3		9
514641.7	668253.9	167279.1	94373.7	508416.2	113083.8		7
887051.6	810517.6	446496	219211.4	91877.64	121520.4		50
7350617	1370181	6624444	2564663	1732609	3193329	[2M+H+Na	38
1783176	2119918	1379906	871548.9	3295270	2505223	[M+2Na]2+	15
412688.5	225036.3	392562.2	271701.3	233941.8	174722.2		297
4161623	7744850	6430800	5544274	6781755	5264605		199
1767232	2917876	2066253	1654263	2031970	2093361	[M+K]+ 49	46
9403097	1906198	6860553	2318265	2089255	3661409		93
887720.7	2021229	1730533	687168	1475842	2306369		4
3962331	2253405	3418704	3424625	2357376	4344086		1
4056952	2804195	2916490	3564962	2658059	2572925	[1438][M]+	235
26748954	19491333	39765458	15245229	25257607	17226267	[1393][M]+ [M+Na]+ 7	47
643295.9	472337	563228.4	363885.9	61349.34	431329.1		72
895482.2	5776047	7838333	752429.9	8473008	11494873	[750][M+2]+	1
5811381	3959909	6649938	6267801	2942488	4552204		351
8543806	6931105	8364192	6693417	5513258	1507576		2
1529887	1542320	1098650	663636.8	1237109	1089943	[M+K]+ 39	31
2.74E+09	4876732	4.23E+09	3.13E+09	1.94E+09	2.56E+09		7
6831080	5998619	5383345	5642077	7359724	4819070		3
584338.9	959498.4	546503.2	189786.4	636797.4	856307		46
28798940	27112820	23611316	20374461	26603579	13883192	[883][M]+	4
1736342	973300.6	99795.99	190020.2	1388380	273814.6		1
792254.4	4564769	1330103	4788855	9476846	6543205		1
580562.5	1197506	188892.8	189197.2	515656.4	756764.7		46
2967007	3114433	2583227	2913843	2458230	1420686		369
1140603	1069210	1085496	1392647	609645.2	320837.9		65
1421402	639381.1	131034.7	264222.5	1225085	885016.6		52
1643768	1544425	1729571	1405442	1401642	1334971	[1584][M+2]+	42

567718.4	161651.6	275741.4	635803.3	535450	150663.6	[M+K]+ 56	8
464091.5	358931	232811	238491.8	418909	299948.3	[M+K]+ 35	20
5427343	4489120	5884152	5893177	1773520	4382468		426
775050.3	986705.4	680829.3	362817.6	534705.9	292913.7	[1510][M+2]+	4
1033675	0	538890.6	857422.9	789457.6	211291.2	[M+H]+ 16	8
4876317	5996338	7291560	2433631	6273968	6481709		18
1958578	603729.1	1320214	238421.7	1243991	557924.1		4
5590950	4102895	2213411	1359613	1167023	2475662		1
224694.7	42759.75	88279.24	250669.8	230363.3	87465.13	[M+K]+ 11	35
578706.2	1274898	939841.9	112135.1	611400	167822.5		1
1.2E+08	76678131	56073899	57424935	49632447	51762007		1
7615311	7478698	5898045	4239369	6319110	1008236		2
509672.7	1078409	1058946	658617.9	692890.1	928465.9		4
1294032	984016.8	1650346	288359.9	944370.9	708074.5		1
775676	707967.8	529058	736479.7	452300.9	280291.6		4
4883612	3137419	5126391	2408660	4285981	2856123		1
1786532	1187681	1445816	1082123	1425615	771439.6		249
2913745	1.09E+09	1.51E+09	1.25E+09	1.55E+09	1.11E+09		1
2672987	3071057	2671678	2862180	2835131	912790.1	[M+3H]3+	6
3900355	2077109	878761	2908119	2887660	0		2
230321.7	5054349	5863231	5712585	4581494	4031709		2
27502655	13985638	10849552	22231040	7216755	10165104		22
8130376	2653168	5946555	6217294	4865226	2621231	[M+Na]+ 3	29
1844720	1904399	4629132	3073327	4478336	2144145		2
949436.5	2260550	1390779	940369.9	1550259	2337344	[M+K]+ 21	21
2416645	2236536	1116670	2006386	2364832	2892422	[1543][M]+	9
2115598	2259166	256727.5	2314632	5788304	1407318		4
945961.9	760858.7	450215.1	783585.5	468735.5	673291.1	[1520][M]+	485
404004.8	883121.3	478469.4	1444092	1138522	542825.2		9
436695	515821.3	7905235	3804142	7374776	7647049	[M+H-CO2]	6
1897178	1869717	2695586	1510766	3434604	3663611		2
1277764	817856.8	1007747	1368977	880859.5	454880.5		147
3055642	3793389	3289191	3474088	4361340	3015369		11
1075923	100944.2	1228062	1562749	866226.5	0	[M+2Na]2+	13
1112432	788902	499907.3	487424.8	850239.2	172912.9		9

1974187	2805097	1573781	1561161	1344366	976051.5	[M+H] <sup>+</sup> 77	8
2987016	2370966	2289522	3113676	1282123	2164779	[1111][M+1] <sup>+</sup>	150
2717136	2512941	1084933	191188.9	1569078	1158046	[M+K] <sup>+</sup> 27	39
5045082	3996200	4007923	2915692	3632437	2048678	[1057][M] <sub>2</sub> [M+H+K] <sub>2</sub> <sup>+</sup>	42
5721914	3697017	4563595	5123380	4691228	2549184		2
547578.7	357032.3	636940.6	165671.2	535778.4	392612.8	[M+K] <sup>+</sup> 33	18
12707930	11034894	11339288	9824951	10115021	5932400	[1251][M+1] <sup>+</sup>	10
1486905	1737295	894393.4	530379.9	901775.4	2094592		15
3375709	3083975	2676355	4197700	581268	2662381	[M+H-CH <sub>2</sub> ]	346
564316.4	780951.5	515423.1	328890.2	342158.8	438732.5		4
1720101	2565767	1759986	1155016	3226647	122091.9		1
10281051	6183787	8077703	9417155	5558815	2146521		2
3593952	2481638	3328018	3450090	2091273	57570.54	[1350][M+1] <sub>2</sub> <sup>+</sup>	2
1485102	3095243	1103943	1026736	4004769	122689		1
7659474	9289387	1900270	9324779	8495560	4963037		15
2387692	4032670	5171059	2733725	4363420	6665050		2
29161.2	74738.77	543972.9	273699.2	193616.1	105431.2		288
18304573	12407025	16317798	10955637	13256651	4937994	[1284][M+2] <sup>+</sup>	1
4905924	3121431	4503225	2124091	3615824	4267733	[1150][M+2] <sub>2</sub> <sup>+</sup>	2
4246738	4967320	4499082	3579023	3121300	3943796		4
2493682	19430414	2408888	3573189	37847574	26350718		2
2694716	1414703	2845847	1421171	2135066	1003600	[798][M+1] <sup>+</sup>	44
31943871	12077032	6420002	10698554	34046305	13933656		3
6021021	9474113	5456297	1151195	4115792	4257342		3
1779844	1322554	95231.59	692193.3	1138153	330924.2		52
4255925	5078239	2320641	3669848	4321577	2518612		9
851881.2	1648271	1823362	2120160	1416556	2922019		9
6244706	6059491	4962204	4202885	4759140	2043482	[863][M+3] <sup>+</sup>	1
5543413	5931090	6034506	6905902	4382198	743149.7	[M+H+CF <sub>3</sub> O]	195
1684258	1620973	1405805	662363.3	1528751	565132.4	[1510][M+1] <sup>+</sup>	4
1565156	1520827	3037425	1501463	1790416	1818911	[M+H-CH <sub>4</sub> ]	314
7055375	3950423	2953115	4771608	5672243	2111132		9
388670.2	291502.6	207913.3	174231.6	188771.7	455047.7	[929][M+1] <sup>+</sup>	72
1012590	1246076	1000614	754348.4	1120999	928063.2		4
346038.8	281880.8	335981.1	150890.5	133974.5	381536	[1143][M+1] <sup>+</sup>	110

5347256	4967204	4963880	5860961	4687834	1866328		202
1014153	769463.7	90496.33	189026.5	104052.3	614046.7		30
1373930	1909711	1304316	345752.5	1282085	441699.2		15
1225694	1052608	720720.1	724287.7	907511.2	658063.8	[M+2H] <sup>2+</sup>	62
22968776	13039925	24668975	20742585	8429303	10269471	[494][M] <sup>+</sup>	240
359751.3	897434	2688224	1373841	772205.8	660766	[753][M+1] <sup>3+</sup>	4
1854623	1118919	2286838	904474	3131566	832303.1		1
2463761	586651.4	698576.5	1955001	108962.9	18847.33		491
1007124	4611120	2665853	3443553	6034015	2470125		208
10264292	11706289	11238843	8149742	8112703	4276573		1
570462.5	779312.8	549198.8	688236.4	659154	577953.4	[M+H] <sup>+</sup> 51!	134
3446159	4289730	2864250	1631239	3159007	2054090		2
11350203	15054866	11280777	10785934	15557914	16643873		2
1877685	2227075	1457925	713273.8	988709.3	612103.7	[M+K] <sup>+</sup> 32!	6
266943.5	263708.6	256256.4	243563.1	131900.7	159759.7		61
11284815	1085836	3817565	7958930	4566904	4886011		15
664269.1	1373242	32989533	12843766	17612576	12213270		9
4701472	4093650	4490855	2841991	3960474	1560045		2
9665453	2339630	8976510	2534314	2200625	5008025		4
538840.2	715121.2	303773.4	922734.2	893725.4	1004864	[M+Na] <sup>+</sup> 2!	72
12995573	11960572	12295875	10451071	10685759	12588050		2
17451562	8922138	7377830	8701791	8770715	6279102		307
8360078	7414873	6364278	7701953	3984007	8675201		62
1739992	1591709	1518911	1626449	1606030	3192308	[502][M+3] <sup>3+</sup>	2
3948121	2518450	3094965	3255087	2366511	1871821		2
16351355	26066580	997931.4	3253471	11523439	2302030	[3M+2Na] <sup>2</sup>	5
49773845	371835.4	56610664	604693.1	668899.5	341717.1		83
2090588	3781993	1814672	136855.6	688006.9	2419569		18
837292.1	243497.7	490764.6	608211	586708.4	274515.5	[M+2H] <sup>2+</sup>	38
191945.9	161147.1	256676.7	212399.3	147272.5	222693.7	[M+Na+HC	28
1799264	3114146	2000823	1056116	1577704	329990		1
1873469	1158272	677034.6	1518353	2967202	929345.6		3
3342362	3310401	3488626	2831945	3223715	2822568	[M+H] <sup>+</sup> 31!	356
150034.4	207359	188504.2	224344.1	204691.5	123657.8		112
866154.2	570143.8	264739	610354.8	486669.6	18889.11	[670][M] <sup>3+</sup>	77

8756517	10581810	9251351	2819380	7119086	1887446		1
344648.8	176963.6	144883.6	0	150831	257032.4		243
2788339	3533028	535505.1	89601.47	1357431	2117177		18
193531.6	196715.6	3455359	3312615	4063219	2790647		146
3555388	3261233	3565949	3336478	3590825	3571221	[965][M]+ [M+H+NH3	83
401589.5	400662	159781.9	229146.4	97944.06	344843.2		69
4983868	4550110	7366977	4504830	6541325	5337498		2
8293022	7405489	6141956	6285762	8214454	6625113	[439][M]2+	2
5335631	253095.7	6357089	4372316	3299623	3501178	[M+Na+3K	46
1253883	1392328	1215739	574878.7	2111454	0		1
301953.9	1146073	800801.5	1342722	906679.7	1966832	[M+K]+ 30	33
1.99E+10	1.39E+10	1.19E+10	9.71E+09	7.8E+09	8.81E+09	[794][M+1]+	1
7879944	5842405	5075269	4395959	3226276	4430413	[76][M]+	287
7705615	9534523	7715887	4186903	8097760	1648435		1
15871643	16833775	15044441	1943809	3625010	1466707		4
25027767	9345695	5747739	10117021	5349737	5796612		90
5634197	5375160	2893459	5446242	3287151	1204462	[1044][M+2]+	13
469961.5	490408.9	459328.3	208945.6	264213.9	306767.9	[M+2H]2+	100
424633.9	315834.9	391908.7	540750.9	466179.5	460431.9		514
5191729	7264128	4987286	2509079	4722475	2878784	[M+K+NH3	41
313053.2	0	131406.6	196380.9	348601.9	412107	[1450][M+1]+	38
1479031	2251577	2408347	1116943	1404592	2000238		4
3030892	4633198	2191559	1765922	2886683	1194719		2
2790342	1375958	2181644	625849.8	1304329	821152	[3M+H+K]2	6
6079319	2061622	6795205	7218686	6080328	3941252	[M+K]+ 35	314
6122209	4191776	4100552	3381563	4484723	1062756		1
247117.8	865976.6	781758.9	602310.4	575075.3	972697.5		9
5981328	2984989	3179043	2117521	3140645	3016422		421
9156736	6511623	4389514	7553610	5809991	2159812		9
430421.9	431507.6	0	257450.3	168801.1	433617.8	[M+H]+ 51	5
1241136	111686.1	1271627	1284973	790001.9	555265.7		9
0	186851.6	95187.31	18170.13	211482.1	392489.8	[M+Na+CF	18
21268102	29670999	12830461	24251792	33971402	12051296	[M+Na]+ 3	93
1123037	883021.7	357855.1	1108677	724396.6	0		9
3589515	159600.7	5898201	3558412	1548903	5480742	[M+Na]+ 2	8

5586113	2763221	4757720	5467228	5165335	2424067		2
277352	108438.6	1061644	854566.1	351355.3	1079547		6
5750939	5215259	5241486	4869222	5116240	5354382		407
2470471	671453.8	1179444	1439974	1524875	1163920		4
16679749	14631397	17688415	8328720	10554444	2255307		1
2494039	4466564	4437398	5746111	3468925	2337645	[M+H-H2O]	288
11028900	1936226	2509924	2674946	1182125	2346711		3
3155109	4466653	3125146	1543917	3803974	2866010	[3M+H+Na	3
3279018	3277978	4189036	787519.8	2052731	2905029		15
7401409	9375357	6783151	4819408	7548619	589657.6		1
404218.4	775036	712845.1	1032028	539321.5	1001263	[61][M+1]+	4
1399026	3702154	1722303	1847165	2618672	4123031		2
204157.1	129567	257792.7	149610.8	226750.6	6195364		74
2769568	2508282	1841072	1705217	1909527	2650518	[851][M+1]+	4
5063933	5215893	3200131	3189395	3640293	1900252		9
1569473	21262689	1631306	2130237	1269774	2168801		2
720447.8	172489.9	436487.1	175657.2	433179.2	50738.33		67
36558451	3734381	2578064	1441705	3347433	4399395	[651][M]+	127
3406898	12761014	11718238	3090232	11930698	11215471		341
12394720	10347060	1206119	8908685	12761962	8094970	[M+H]+ 60!	11
727571.5	944860.1	102463.6	319332	660111.6	256585.6	[M+Na+HC	46
815573.8	306129.7	496811.2	296330.3	564590.6	104397.7		4
3501501	2608225	1913071	3241946	2333665	1131824	[1086][M+1]+	1
2021214	177093.6	307918	2245243	1541685	472580.8		52
760990.7	443168.6	251579.6	657736	304502.6	400335.6	[M+H-CH3]	23
505457	536201	564913.1	614742.8	348552.3	150532.3	[M+H+NH3	23
717922.9	36197.79	1243897	740286	640733	438479.7		9
7064023	5247357	9117278	5069627	2551726	8318533	[566][M]+	240
5301106	5710516	50671458	46092405	53422197	89296328		4
458406.8	165372.7	142980.9	190502.5	220723.3	44784.09	[3M+2Na+I	110
7453688	5953507	7192807	5833153	4873291	1030513	[1623][M+1]+	2
9992804	7504039	16498599	5825991	10164127	6570383	[1393][M+1]+	47
5685678	5308725	5300248	974149.2	5111287	5092155		439
24258455	21075777	24507859	21954369	15318224	12876219	[M+H]+ 30!	112
7372574	8042907	2376743	3489920	8158359	3498149	[M+H-CO]+	3



792533.8	363247.7	363334.4	280592.1	278855.4	9456.076		86
641899.2	1203129	15151583	11342812	1114608	4357815		9
6001793	4568453	3579329	3267248	3876581	2183176	[225][M]+	9
462639.3	228999.9	125483.5	166027.8	348940.7	246257.1	[3M+3K-H]	16
5720855	4443323	4011306	3191134	3071648	0		2
3209943	1595768	146937.6	1731449	1779088	228150		1
4731205	3521111	6099632	3731407	1746922	5254537	[886][M]+	218
3905953	2571588	2967048	4303113	5642977	3245782		2
20024455	20410927	1.51E+08	1.97E+08	3985382	66680167		1
332110.6	138220.2	117905.8	484651.3	225849.9	87568.59	[1593][M+1]+	154
4961197	4824960	4876336	3929321	5758902	3402713		356
853217.6	357241.6	483254.5	458248.5	525816.4	219537.9	[1115][M+1]2+	35
31674837	35938652	237604.8	1642754	25553280	25058261		173
6226677	4093036	5198649	5776807	4088612	4635660	[1399][M]+	235
1937727	1.57E+09	1636468	1.14E+09	1.55E+09	1.32E+09	[2M+Na+K-	3
181272.5	98302.94	77285.79	0	156215.9	155281.5		18
7201171	8576908	6609787	7055957	5663032	6957285		190
3685604	3835863	549212.2	975996.8	4651998	1715173	[3M+2H]2+	3
5237607	3421707	967072.1	3685986	3205975	5183875	[M+H-CO]+	323
2183855	1811423	1422630	1242835	1700755	870789.9		1
905512.6	66331.76	993313.5	190092.1	58442.72	1687135		111
7457257	4488647	1535368	4663970	5248358	616892.8		1
2733295	940360.9	1693528	1640635	946337.8	0	[1576][M+1]3+	2
655310.8	100222.2	892157.4	699252.3	575537.9	172589.4		9
574122.9	1324590	766208.5	1928319	1307466	3110002		8
30359766	22844886	17150196	27463857	23907023	8218359	[M+Na+CF:	13
199101.4	695397.4	229931	198666.8	451845.5	1230551		9
993508.1	1171160	1188658	753373.1	813979.9	511845.6		9
2547882	1857684	2318687	2066175	1437488	2259134		2
222997.6	218649.3	218034	112491.1	171560.1	294901	[2M+Na+2I	28
4271265	1584686	2331402	3745486	2461878	2838230	[1320][M+2]+	2
450078.9	178880.2	285120.1	456788.1	251798.6	216235	[889][M+1]+	28
14289134	4563725	3963124	4389435	15966847	7247993	[M+3H-NH:	3
17944908	21398513	29348873	8146909	20918926	18100275		1
340133.3	188150.6	299481.8	135188	165261.3	187481.3	[1520][M+1]+	485

1555237	1917833	1183426	1289022	1351802	1190013	[1034][M]3+	9
14485104	4778081	1777941	11166841	2837819	10358702		1
6501697	4405347	5968119	3944095	5938915	2626305		2
1725097	2146630	714761.2	62918.75	1035417	1161881	[3M+H]+ 2:	18
9610180	15955779	10660311	7913129	8842704	4972555		15
640277.2	735258.2	361271.1	286217.7	379052.5	333176.5	[M+H]+ 10:	62
943496.8	1186129	874484.1	613739.7	798987.1	786583.3		81
6541761	1229721	1881702	3820354	4733343	1336382	[M+K+NH3	15
1507413	426269.3	542269.8	573468.5	965786.7	645185.9	[M+H+K]2+	5
31353453	31173202	27029125	27812235	27021577	25787268		221
382319.8	1090186	11469288	9370806	878158.3	2949784		8
701234.6	80389.36	1005367	385705.7	596039.9	53545.93	[1095][M+1]2+	7
468441.9	533474.2	448923.5	0	450853.8	336742.2	[M+H-C2H4	46
37574145	8191717	104127.1	51532.96	910908	3207563		215
504624.2	435185.3	418809.3	173333.2	378340.4	136627.5		94
4270815	4906480	3941404	3776172	4446583	2940105	[103][M]+	9
26214957	18158453	18247512	23749598	7620344	6595399	[1099][M]+ [M+H+NH3	134
584172.5	547516	569490.1	368797.7	551674.2	436181.6		4
9154277	3028228	3147729	614312.4	2865062	3208310		190
2038702	2820245	2372709	2239855	1715777	2387825		7
9526918	557367.1	12183936	4689712	873209.9	9035935	[M+2Na+2I	6
323710.7	201925.8	451530.5	91810.97	279578.5	23681.68		47
1781678	1115453	1913475	140257.8	1196966	157968		1
6383263	10782387	6513703	18033303	7418772	5971324		194
1965041	3408984	2421448	1978151	1698639	1387063	[M+Na+HC	46
2.36E+09	1.58E+09	1.42E+09	1.03E+09	2.11E+09	1.17E+09	[754][M]3+	1
9783064	2646327	1050615	14238144	3072778	6964194	[117][M]+	16
3503943	1653800	3752222	3198098	807526.3	1409433	[494][M+1]+	240
6666934	6079067	5504538	3548975	6250532	2857073	[M+K+NaCl	15
3391711	6710059	6096849	6290156	6651042	8740856		337
827878.6	1333985	582001.2	278010	880081.8	384988.8		89
2803727	1510121	2800229	2294410	925147.5	2199375	[M+H]+ 21:	6
364443.4	245348.6	60736.28	250005.7	352371.4	94117.78	[1330][M+1]2+	16
4228924	4112706	3249989	2763531	3265754	2028790		232
22541690	2011060	6497930	24729899	16589831	2879004	[1245][M+1]3+	2

410324.8	92380.39	152457.5	281449.9	194180.4	144540.9		247
3609780	866563.6	1531069	1496716	2007604	4616215		1
36640738	25875201	39121081	41867034	49852485	96990359	[950][M]+ [M+H+HCC	15
4114088	213072.8	184429.6	177494.1	58447.2	1830531		319
6242994	23503662	26528128	25048566	31076180	67225097		2
3145138	2390479	2587714	2476085	2488505	2604106		202
757065.1	2175012	1386042	936681.2	1773910	1420140		4
7142203	5516981	5930387	3099844	5529893	1066890		1
251530.7	261746	1611254	1426073	1675654	900236.3		256
121173.8	776027.4	927841.6	817960.2	302452.3	600268.1		507
7450724	25433456	44008642	12963590	32351970	14710142	[21][M]3+	15
14375104	4802762	9799666	3215191	10219023	2111838		1
8344437	1934434	1481089	2077017	1124877	4041876		165
2364669	3005598	2958097	1722416	2106064	685608.4		9
1098681	3734423	709970.8	1114666	1443080	2543371		49
1572737	102960.3	2842374	1280596	1681478	1566225		13
1829830	2822700	2422529	2508036	2893261	3489650		2
1150092	0	373109.8	445889.5	1290655	1540442	[M+2K-H]+	13
3172989	4235336	4244420	3475957	5016835	2674479	[1610][M+1]2+	2
5194508	5308250	4779122	4751197	4944594	3310662		226
5082079	506895.3	4989608	3683489	4846292	620417.6		2
780413.7	1048960	591881	505652.9	782699.8	304091		9
582083.8	510470.8	326200.2	142177.4	94740.57	365593.9		282
24298275	17531864	15642092	23102116	20737496	8928142	[1207][M]+	2
1592818	3486038	3495536	1062711	2072451	2056412	[345][M+1]3+	20
5767765	4967515	3769138	2316685	3055563	2800500		4
4763574	2667205	4302370	4243575	2823518	1264525		110
6644739	6687839	6396213	5660690	5844756	3180961	[M+2H]2+ !	23
2184539	1823657	1737356	2210996	2162597	1591561	[973][M+1]+	9
3160941	757571.2	1964987	2763711	455618.6	2212844	[M+K]+ 146	14
387002.7	1219073	842323.7	453614.2	691467.2	311247		9
238203	721950	304391.5	206206.6	281410.1	658731.9		4
1264558	1163553	1587341	642078.7	718932.3	194810.8	[2M+2Na+;	13
7002431	5173754	10518730	6057756	6603958	1486550		1
318892.5	154666.6	392813.3	307776.7	105419.9	205324.3		168

4417719	3756542	3337954	3088188	4038869	0		2
507202.6	1271250	1143206	154839	196293.5	365396.6	[3M+2K-H]	155
4016773	3743390	891082.8	184449	2850849	3873659	[M+K]+ 67:	18
354227.1	268057.2	133851.4	203134.4	283295.4	167823.5		232
2015944	4712636	3474508	1479770	5180817	7229665	[3M+H+K]2	97
7158736	5461599	1151111	1194059	6558157	5893932		1
576091.6	1094360	1702982	489605.5	1162598	824051.5	[M+H]+ 31:	39
885860.7	542687.2	83894.85	0	435972	399981.6	[1435][M]2+	18
13520661	18716173	10940296	9089447	13514948	14738031	[M+K+HCO	15
7266232	6106920	1191816	3615783	5722099	6820267	[751][M+1]+	3
2508492	746972.8	1033324	847447.9	1069049	792761.2		7
7776035	4147995	1134635	1335211	4534533	970901.6		46
852640	894204.3	917394.9	446251.6	468258.7	496090.5		9
6562595	7227622	6811469	6878163	7491098	6436110	[M+H+HCC	226
2462856	3493618	2041253	2021419	2920974	1833230		2
383343.2	517385.4	712683.2	489037.9	405085.7	289272.4	[699][M+1]+	292
970622.5	1977963	1142033	1657591	880440.8	1398816	[1116][M+1]+	101
133991.7	122282.5	143245.9	161795.2	135148.6	99967.14	[1344][M+1]+	24
45075196	37609075	44712226	32436702	34262264	7560469	[437][M]+ [M+H-HCO	16
5095720	3713184	3760555	2961328	3687628	3661185	[M+Na]+ 3:	121
20320197	14739157	25011346	25770151	11923676	17007991	[1208][M+2]+	2
820168.4	964626.7	960620.4	800416.9	563335.3	1018069	[1481][M+1]2+	35
486170.7	4057194	3826142	382347.8	3806444	3057609		169
4132245	893101.9	540995.2	1011348	395863	522849.4		473
4204576	1938053	2629512	2973313	3087820	694332.9		4
2979535	2306846	1897419	2499506	1965426	1638867	[M+Na]+ 3:	39
5425246	3638622	5157032	4138295	2796925	8022567	[1348][M+1]2+	2
1135212	3015591	1480372	2070091	3813014	5168477		29
701374	250876.5	788247.2	404572.6	1605568	892970.2	[1583][M+2]2+	12
784562.9	986934	674248.2	420272.7	766070.3	631467	[1480][M+1]+	89
348827.7	180378	324041.8	277887.7	258356.3	187416.5		214
4328963	6742501	3748449	2199925	2178476	2630394	[M+H+NH3	15
626633.1	655083.4	480018.7	591423.4	425323.8	279597.7		51
5225487	2829256	759527.9	4603311	2359918	2762159	[M+K]+ 51:	6
5318461	14614435	14294412	14093786	13845478	13670908	[M+H-C4H8	195

525625.4	90646.68	683927.7	406747.5	497959.1	388396.5	[1598][M+1]+	62
5545463	5277508	7133123	5677258	5966384	8814221		365
34351300	24685620	21612205	29457698	27000460	10005626	[1213][M]+	2
4458449	3682437	3009064	2180339	2597160	1334294	[20][M+1]+	2
11726681	7188726	4633309	8509718	6952028	3255632	[M+K]+ 37:	3
2755270	6884142	4804305	3282724	6155367	4771866		2
4128304	3939667	3875172	3868847	4034838	3081033		174
1.51E+08	1.64E+08	1.63E+08	96014215	1.04E+08	31882720	[735][M]3+	1
1823181	1437369	1051426	947496.4	1486627	376936.8		9
23286756	22326319	8158169	24698455	501212.5	15430186	[M+Na]+ 3:	86
7473134	787446.3	2433909	2763508	2226942	3012547	[95][M+1]2+	2
2655208	1512045	1605717	2732092	2954272	2300747		4
205281.6	159208	264103	177063.4	253283.6	157716.3	[936][M+1]+	486
627582.7	263873.3	876485.1	796446.6	326904.1	742001.1		345
2817828	2627998	2019619	2229027	2831546	1090156		9
5314409	2084507	2626613	1351508	1193339	920757		1
4196619	2928824	4189957	2871715	3482121	1180431	[M+H]+ 38:	12
1221100	1144551	290508.5	799770.7	1007865	624446.3		41
796320.3	594280.6	650828.3	613982.5	564633.6	545304		27
570088.8	1157245	1468140	858136	973621.6	1853008	[M+K]+ 71:	8
1240506	1222603	423971.3	53796.37	648694.8	1766744	[1478][M+2]3+	18
85566.18	1664094	941556.2	939583.6	270696.1	99985.02	[M+2H-CH <sub>2</sub> ]	38
1093110	1040622	1292572	870248.2	668354	409913.2		68
230075.2	113556.3	91023.8	107075.3	207474.9	145218.7	[1383][M+1]2+	16
2333801	3455657	2254402	2281556	3770427	0		2
959005.3	82749.72	957306.7	762156.8	902996.8	134067.4		9
1957309	1040150	1312295	1041430	521046.3	125459.2	[509][M]2+	476
127052.8	41121.09	161335.6	120978	1481021	1054992	[2M+3Na+I]	26
1320107	0	1389329	1019541	1883304	948254.5		9
487893.2	180904.6	322696.6	246776.9	377872.5	182567.3		66
3437376	1450486	4071610	1555646	4855551	3085015		9
528346.3	449328.5	457672.6	480822	498564.6	544457.8		4
1775219	1626398	2063970	2200622	1799674	2165771	[230][M+1]3+	2
1035403	1024463	1030093	1060191	1153147	427213.1		4
398734.9	542942.7	662251.5	608567.2	274743.2	867080.1		28

5330914	4508601	2798522	2711454	2344643	2672034	[633][M]+	296
2362682	2219274	1958218	2336792	1669061	628478.5	[M+K]+ 220	29
2476518	3282754	2623344	1708149	3570431	631091.7		1
2768262	2579908	8.25E+08	8.03E+08	1.03E+09	23536510		2
2077705	1377536	1361761	1792938	1491395	1472418	[1493][M]+	289
6166434	1828841	3254275	1683595	5551454	2402053		1
6006297	5956506	3155120	5508320	4969408	1977292		2
38410111	28222163	30586578	30808218	29251950	9722294		2
1944231	621858.7	324965.1	1204956	1283502	865565		4
3108327	2726275	2764516	2804339	1752533	1917672	[1529][M]+ [M+Na]+ 8'	81
912609.6	699079.7	826580.3	1130978	506565.8	581727.2	[1529][M+1]+	81
6165472	4763977	4226930	6652759	5883854	5643498		420
1499707	687185.6	547142.2	425260.2	807789.7	534647.5		4
1.07E+08	86284386	82393253	80009352	68260374	18361027	[388][M]+	2
1282013	1636752	1067105	1013115	1071811	1509014		16
7741512	5321949	6204202	7246685	5137485	2485433		2
59624082	49513709	38711834	53345301	49267984	34347590		2
5914471	48153696	6850850	48670626	79806628	16891071	[3M+2Na+K]	13
1693908	2087659	2581448	1259440	2195423	0		2
756998.4	0	781112.7	877487.8	883778.8	0	[M+2H-H2O]	13
1002768	902984.1	155341.9	0	808613.3	319624.2		1
2487311	1720894	1469473	1996148	1523970	761603.3	[1139][M]2+	2
337098.5	381305.9	400719.1	383913.3	362863.5	498360.9		137
11357025	10324018	9317311	9215862	12022853	0		2
22500260	57688469	33834980	11235319	24321376	20218247		9
16685616	18915472	4437453	10098748	8615265	9981658	[3M+Na+K]	3
1.54E+08	1.65E+08	1.57E+08	1.46E+08	1.32E+08	1.06E+08	[256][M]+	64
1924378	2405324	4060793	4416970	2487309	6094097	[1185][M]+	96
1554619	17895273	1440761	6693928	1639037	9894437		263
86705.54	361531.5	27289.37	0	169832.6	404732.2		18
741652	379638.7	565058.5	342249.2	549900.3	364141.9		57
5948221	5904360	6765335	3982367	4910674	885068.5		1
2635585	1479922	2359971	1521146	787159.6	823760.5	[2M+Na+K]	11
4224380	3513725	3615400	2443021	4281694	4237374		241
76468.14	10229.3	3047891	3410445	37744.14	814932.9		440

4954455	5431892	1090487	3596694	4646546	4697126		3
604781.8	649842.3	201307.7	147574.6	355346.9	886444.7	[1469][M+1]3+	18
2718657	2758597	2610692	2630759	2466488	2614786		189
41675424	44776356	43089677	53468889	39181372	41000310	[78][M]+ [M+H]+ 22:	159
578838.1	1852365	3070124	2112931	1821831	2662261		190
5391568	8700392	2531405	2945140	4776929	2683990		3
2121745	59450.49	558896	754491	668172	808487.7		9
1372484	81319.42	524213.6	787128.3	1108400	597433.5		9
2201491	880644.1	1245623	674930	755621.6	3458676		1
7548426	527012	7077922	6775830	3268081	4973740	[1549][M]+ [M+K+CF3C	16
7438422	7251944	4755388	6816783	6742398	1528147		2
5840548	4095086	1088204	4610530	3809686	2924178		9
356770.9	115295.6	311663	107006.6	291344.5	185426.7	[M+Na]+ 4:	134
288312.8	199766.8	98872.86	181950.9	172121.4	26171.74	[1463][M+1]2+	65
1490076	3002086	15505213	15831879	2409645	6679037	[M+K]+ 35(	14
957462.9	966166.3	1582837	1389313	1134490	733284		2
818268.5	512419.6	962372.3	897083.5	320246.8	637861.4	[1473][M+2]+	220
145954.6	202698	174955.6	123758	132622.7	87232.08		118
8452452	6158072	7982212	7393594	4951343	5224535		1
117630.1	887869.4	839012.3	106982.8	408155.4	1678967		9
358737.1	2.35E+08	2.3E+08	2.25E+08	1.97E+08	1.61E+08	[253][M]+	37
3195628	1886239	658183.9	1539263	3437762	1526356		3
2822337	2691138	2639914	2742137	3618774	362515.7		1
13388652	11883411	6459962	10363094	10701717	3746135	[M+K]+ 53(	14
4982439	5243913	3700056	3917026	7252118	3458077		1
569761.6	237240.9	558551.9	376433.1	256522.1	298164.9	[M+H+NH3	450
23706199	1.18E+10	1.12E+10	9.78E+09	29959424	6.42E+09	[3M+2Na]2	5
7835422	7656967	7524062	4615160	4793033	9462660		390
190399.8	392000.5	513581.2	334250.2	297338.6	599719.2	[M+Na]+ 1(	136
5818351	6265721	2856867	3109200	6379068	1850519		2
2522467	2049480	3488168	2867161	3062275	1864761		2
955449.2	335717.3	1397869	649960.8	469473.3	734250.9		476
1755967	2099646	1851363	404357.1	1003528	682569.8	[235][M]3+	4
467484.8	545968.2	614685.6	304262.8	396296.8	84951.1		81
13607295	8465395	9583596	14843220	8600908	8963284	[1210][M+1]+	2

290510.4	752626.7	282499.7	667242.6	593727.3	497306.6		48
4601298	6396768	6029511	6071571	8521436	5690188	[M+H] <sup>+</sup> 47:	257
1809051	5829247	3068063	2849898	2907234	2715870		341
2313047	673695.4	1893756	808530.7	776859.6	169055.3	[975][M+2] <sup>+</sup>	9
3587857	565318.9	2504772	2961556	515558.9	2624732		2
26780255	29403795	26627712	24937658	23388582	17855657	[256][M+1] <sup>+</sup>	64
3580219	2774223	2383162	2921781	2642225	873740.9	[693][M]3 <sup>+</sup>	9
1327182	796463.1	1462489	1087266	116897.7	654021.4		72
1045836	1016688	898199.5	897364.3	920429.3	709563.6		387
1896788	1305771	802011.7	1055614	1257616	1221785		58
3218140	3094972	3387368	2872989	2975636	1525764	[706][M]3 <sup>+</sup>	20
1339903	1506542	1099067	925659.7	837993	943876.4		89
836107.8	481809.7	286356.7	248689.9	568670.3	255840.8	[1204][M+1] <sup>+</sup>	436
5254463	2845469	5848391	1756686	1407707	2367915		4
6335804	8767112	6476204	1849191	7963905	6000450	[M+H] <sup>+</sup> 17:	15
2911825	2201004	1075315	1906292	2683291	944864.5	[572][M+1] <sup>+</sup>	9
1097648	759491.6	577973.8	379248.4	1041743	1501347	[1472][M+2]3 <sup>+</sup>	38
25018537	25105895	856067	20298756	19791359	8583737	[M+Na] <sup>+</sup> 3:	41
8122121	3535371	839848.8	7245730	8500458	2644209		3
1986066	1217489	2151976	1008096	1387898	998241.3		1
127562.8	727700	263290.9	14897.66	219853.4	849803.4	[M+H] <sup>+</sup> 68:	18
824671.7	2297798	1972457	2053053	2395645	349543.5	[368][M+1] <sup>+</sup>	77
488980.9	2861851	4230645	597538	6232526	7761408		15
20942626	22382175	21901239	17642258	16186805	10192018		1
3681631	3166642	2732711	1667578	2090306	3529799		164
5409075	3500851	3665086	5126753	1899546	970520.9	[1452][M] <sup>+</sup> [M+H+NH <sub>3</sub>	42
19802710	13861625	13858391	11956724	14702616	4483632		1
2745074	1464160	2528012	881980	766456.6	98284.3	[M+H] <sup>+</sup> 76:	46
673297.1	513880.2	798378.1	291907.1	609641.4	952981.6	[M+Na+K]2	38
3032957	3970116	996459.6	351409.4	1739275	3244590	[M+Na+CF <sub>3</sub>	18
27405499	18109561	12453360	18551649	24487694	7560871		13
1707664	626464.7	2.2E+08	1.65E+08	1.67E+08	38956593		27
2397709	647068.4	538404.6	311618.1	386103.7	529614.8		4
871835.4	1218454	5879276	4370275	1154989	1798973		9
19994438	13744981	13907950	12071340	14381428	4520624		1



22008075	17228608	3509980	26822974	23117613	8591363	[M+Na]+ 5:	3
12071282	2592407	4714791	2489402	14227611	5868998		1
3338911	2164860	2440269	3011393	2244232	0		2
1224029	871350.8	972342.4	761930.2	741796.9	1325209		4
9148680	5412233	9260426	8408216	578989.2	5298817	[295][M]+	126
972336.4	908499.5	675163.3	742974.4	648484.8	569982.9		134
3498918	2681154	1045197	1338042	3574033	1320166	[515][M]3+	1
36932969	26748486	16463797	22742872	20127191	20198776	[272][M]+	152
9769890	5585510	5763805	5904271	5573705	3327253	[M+Na]+ 10	13
60586302	59120668	52617487	43239559	35381831	26929432		1
3936891	9067115	5291992	1093265	6130881	5042579		1
1068706	1685740	123889.9	137128	1605632	0		1
2289848	2263584	2445706	1423857	737745.6	2724099	[698][M+1]+	203
12749209	11750049	12931877	9260127	10980944	3176211	[420][M+1]2+	12
52264.74	198799.3	156208.8	365894	155047.8	480370.8		62
322682.8	247323.8	120556.7	166067.6	318791.4	329057.4	[1383][M]2+	16
188961.7	2943019	3884783	1279084	1792281	4226765	[M+Na]+ 2:	116
3498981	2207134	2351796	3068397	2209414	1350606		2
4781639	5203819	3276047	3328179	3268696	4407446	[1484][M]+	89
568707.7	247804	230491.7	343381.2	409849.1	136031.3	[1401][M]2+	16
1068755	1284668	1055446	818181.6	651919.2	949174.5	[M+Na+HC	35
29439403	28109600	28416872	21824547	24290369	10538041	[711][M]+	4
1424961	695562.7	1588010	318863.4	1156221	523092.2		4
5771427	3648975	2444515	3746025	2645003	3716182		135
584507.1	686677.2	565215.6	557051.9	450819.7	534963.7		16
1189292	1122108	890622.8	858515.9	893371.7	1329563		7
8745100	6328735	6962696	7652429	6197456	6417631	[1327][M]+	150
3947821	3781421	685439.7	3719703	3825916	3516425	[2M+2Na+H	15
4820798	3104185	1791666	2896483	1985744	2156982	[272][M+1]+	152
32194165	29682779	24306993	26650762	28835668	16223917	[M+Na]+ 3:	13
4530792	3825274	5591781	6409195	4143062	4630345		404
6792415	1710011	5033790	4921391	4479923	4681142		202
4155253	3427484	2013721	3834516	7843468	3484709		2
3819734	5186714	1509068	1011405	4436542	508355	[M+2H-C6H	15
358351.7	182537.5	150148.7	189958.2	180348.4	84654.2	[1463][M]2+	65

3674752	5551283	3304554	1998134	4022332	476291.4	[3M+Na+K-	15
2563977	1890042	3341972	2644230	2353838	860033.4	[2M+2Na+	6
167305.1	106405.3	320674.7	163066.1	318678.2	266396.6		159
3767799	3606471	3103258	2301857	3016633	681687.1	[M+2H-CH	12
3223651	7101849	4034252	1602555	5044548	2162971	[M+Na]+ 3	15
16613878	15073163	8966321	12728840	15848627	3788076	[1044][M]+ [M+H-H2O]	13
1002337	1564039	3868514	640756.4	1526449	3224942		9
375987.8	272644.2	321356.3	242858.8	347449.5	258835.1	[3M+H+K]2	35
258923.4	199377.2	142928.7	156466	88703.95	140851.6		16
513890.1	500307.3	124024	256096.8	264734.6	183216		303
6582429	2002911	6506850	954002.3	563830.5	3234303		4
198260	348274.9	419198.6	297670.9	133350.5	305811.4	[55][M+1]+	117
200234.9	285652.9	230969.1	164355.9	407459.5	196547		255
4000732	3898162	3853368	2551514	4034512	5664706		191
5663272	4187467	3310001	4104108	7359219	922139.5		1
684647.4	720294.8	769723.7	538350.5	769863.4	596041.9		247
25410738	24844610	23269129	19661082	22935707	15580011	[1117][M]+	89
932756.3	941809.8	1187936	1288088	1051419	589789.4	[M+K]+ 77	16
5154993	1999245	4086668	1429371	2150442	3069545		1
2604985	1283088	2603283	2667564	808993.2	515132		450
5099001	3896540	3786824	3863969	4167110	3882995		323
2132702	11799849	2844494	68868684	9746935	49155231	[M+K+NH3	29
11131426	8076175	9220240	9738985	8380509	2798701		2
2012602	3413581	2242196	2544082	3727127	3293086		13
16341707	8404241	12228643	11757122	22530275	6390816		1
255453.6	245262	157752.8	253729.4	108865.7	207670.2		63
4506189	6429099	8306128	2541308	6701134	7127556	[M+Na+K-t	18
12846080	13354781	10681434	11115711	13357894	8210365		9
3674571	3420293	2481128	3702897	2872371	1011195		2
2648779	3922862	3344144	3515746	4392463	7529349		2
6235523	3938621	4632370	4951189	3649056	4288783	[M+H-H2O]	398
5299604	5626736	5254035	4407698	4758416	2522775	[1153][M+2]+	2
1544377	1225183	1731583	1361722	1407403	216505.9		1
1367868	1564537	1249316	1167413	1451633	764526.6		9
2206124	3014346	1795711	2733843	1840191	855083.1		2

1062897	1864169	1387127	615154.6	1499831	936253.1		332
496954.6	370489.5	502684.8	365061.5	178989.9	154868.3		57
1435456	1361617	1321624	1349862	3736489	0		1
32177601	25960007	27758850	25893685	2268093	7702339	[98][M]2+	1
64837511	11994094	8590279	6404782	14802091	5928161		1
128086.3	420517.7	2632827	1212253	194726.1	359718.8		239
469666.8	518957.8	353771.7	378304.3	408171.4	187507.5		12
2933519	4026824	4428946	3965244	3724055	2345281		368
5356723	7930255	4399905	2488139	5314082	6367756	[M+K]+ 38	3
12969775	9369795	10730996	10794340	9652699	3487229		2
2493093	2529759	1635393	1755148	2816182	1520210		9
7863517	6575712	6498534	6988302	5471223	3221154	[416][M+2]2+	2
1400589	1889485	2529843	1446558	1034730	941113		4
2078482	2614506	789855.5	196353.1	1017420	1928693	[1478][M]3+	18
11441381	11531016	7219419	9388956	5205164	12938297	[1182][M]+	38
3730771	12456703	33096438	5573014	16481632	7573962	[M+Na]+ 3	21
2112036	1218091	1462088	751211	449837.8	730776.8		4
2349073	1092801	1134139	1798587	2091362	921512.7	[1][M+1]3+	9
307597.7	156557	383285.3	0	848746.2	666197.5	[1586][M]2 [2M+3Na+]	12
428474.6	258186.7	562786.3	216143.9	794616.8	798793.1	[1586][M+1]2+	12
2329710	2645141	2929124	2215516	2971959	5575592		1
6835116	5748894	5473089	3274637	5336847	1206312		1
807872.8	486810.1	815208.8	320166.5	796767	284833		510
3718379	2130056	2322733	3022838	3163487	1513382		4
149694.8	83916	139959.9	245707.5	146404.5	130110	[M+H]+ 70	16
2124070	28722343	30159275	1306447	1883985	7779767		4
3722599	704345.6	3791267	4557022	3792697	978879.9		295
203755	347467.1	138186.9	203842.5	246755.2	246412.8	[1334][M]2+	16
1360326	572147.1	776894.9	1498530	505272.1	212752.9	[1459][M+1]+	74
5057879	2391099	4050029	3982831	2826528	3791441		2
1093641	1120140	843805.3	1065185	696258.7	199734.9		9
261570.6	415604.6	107858.9	146591.7	337910.4	549970.6		4
1909905	1453374	1980662	1593397	1168599	1268243		55
78363.19	22104.95	2719932	3267942	31849.04	569220.4		345
4704171	3531820	2895805	3688654	3632407	3741989		307

2772865	4351272	2542752	3182535	904640.1	7423745	[457][M+1]2+	2
4009285	3593333	2422548	2910280	5291777	5041474		174
2778076	3531515	3427651	2665745	3373386	974041.9	[1619][M+1]+	38
719202.1	648376.9	352877.3	569623	677993.5	200905	[M+H+K]2+	134
1923494	1498011	1228583	958670.2	1604365	516813.1	[962][M]2+	62
1276524	1248645	1009953	756331.9	902878.6	372745.1		4
2109233	456959	2011464	1654960	2099804	473738.3		2
2508325	3812537	432222.9	772083.2	2039980	185422	[3M+Na+K]	3
8807848	6710401	3731560	2925098	6918183	5161833		2
91601.6	602630.1	796112.4	155405.2	585872.8	117041.1		9
1018167	1880502	50960184	44868324	1461598	8530789		9
19895513	18805625	20057567	18129095	18271381	17219331		279
426351.6	745253.6	452534.2	398302.2	478076.7	607560.6	[M+2Na]2+	20
1843713	779377.3	3793556	7842025	1341190	6358604	[M+H+HCC	46
18689274	28168006	21156337	16239051	18195565	13517293	[852][M+2]+	1
4475024	792617.7	5055195	992129.3	2809984	447360.3		2
14331498	10224388	9715497	10425057	6738966	6716616		1
4449006	3746672	3494679	4615904	1516576	1640639	[1099][M+1]+	134
425682.9	865826.9	7939774	5976004	1101512	1275056		4
11379349	19059462	14218935	6730723	10682311	6520787	[M+H]+ 39	15
940810.8	1219861	1030901	578220.3	715241.7	1351450	[2M+H]+ 1	6
1901581	840559.3	2510869	937218.2	1213413	130404.8	[M+Na]+ 3	6
1066955	1078125	785531.8	761782.8	729754.9	1259343	[1477][M+1]+	38
8165498	5501206	7921307	8180738	5207169	7162442		352
4333447	3971360	7563222	5958480	5563399	5150223	[128][M]+	69
6930059	6101629	6871362	1261690	6389562	5253928		311
294554	460425.5	0	179026.1	332378	96008.43	[M+Na]+ 30	46
6064437	3570448	2899436	4338100	4859784	2096377		2
107624.9	495902.9	320645.7	0	488429.1	1192091	[1034][M+1]3+	9
1109581	1568532	1486202	812770.4	1239058	1426143		4
7229781	6238881	5404078	7026735	6944992	1791939		9
1256082	862261.2	1740389	1559787	668054.5	777127.6	[826][M+1]+	318
1864622	1843719	2034323	2149386	3221207	1836928		1
1002995	1856290	1949543	851853.3	1115610	1079170		9
2479247	5342389	2639154	2213064	3006697	4342540		2

705071.8	367753.9	381319.1	398184.3	389253.6	186655.5	[1015][M+1]3+	16
19500887	13600555	14331493	11959379	14526601	4789640		1
1882214	1696948	966644.8	1617458	167076.8	997931.6		12
2540746	3695819	2448067	1072203	2176762	1254674	[208][M]2+	18
3091316	2466795	2658319	3080151	5096494	900012.9		1
114555.4	70107.43	53638.75	23635.69	75964.41	51515.61	[1041][M+1]+	161
3449446	3300331	553349	114663.4	2016714	2695330		18
4386964	3901108	2052181	4261618	4197536	4399972	[M+H-C4H8]	189
2586960	1920041	1862038	1283839	1870720	132117.1		1
353910	1877470	7510174	8998391	1681639	3108912		2
5707005	5557638	4758148	5619471	4604942	1168732	[505][M+2]2+	2
2325997	2251887	1983382	1353405	1670926	688262.7		46
0	470583	118914.4	27241.66	112345.3	386884.1		20
680512.2	501419.9	400249.1	549284.5	462732.7	1355707		38
602465.4	167485.2	355136.9	392387.2	744887.3	569524.7		9
777116.1	1098138	1159065	2548907	1275241	1466821	[44][M+2]+	2
2116888	5793169	6188957	4297478	2261162	12230307	[3M+H+K]2	6
1353267	152585.6	1530764	231340	675595.4	0		1
361808.3	241714.8	284149.9	168373.5	276176.5	13856.01		67
8408109	14444804	10969119	7331659	7658819	5949101		1
2044334	1423353	708196	2249601	1662639	1739265		9
1900022	1673168	1839863	1625588	1555344	1316738	[1399][M+1]+	235
1681785	762644.8	1508032	1419690	1755178	556063.2		1
1745299	1444398	1635725	298122.2	1171929	704379		167
5124812	4217552	3000981	5075631	4077133	2774546	[557][M]+	94
940982.6	1642367	2299010	125256.5	1004074	1183969	[M+Na]+ 2:	15
514299.3	532161.5	100525.7	237874.1	212594.5	77706.84		4
53407542	42468872	27467833	32420525	40970989	55348853	[1091][M]+	1
4586791	3863418	7098786	2981230	3293130	3552011	[553][M]+	4
948131.4	1142902	57303.53	151216.7	1304626	777352.8	[1292][M+1]+	1
5991854	5624300	5709514	10159632	14233669	4170581		1
4090375	3721633	10171422	3985597	6036996	3239268		408
6276076	3658450	3684081	8549380	3480354	3677402		428
531598.4	851694.9	1172178	265164.8	1285866	0		1
664890.3	434258.5	867175.4	764721.9	311280.7	559960.7	[1468][M+1]+	74

204313.5	291671.9	243880.9	164071.6	12364.18	192370	[341][M+1]+	111
1192562	1099843	1127966	1412676	1226127	574945.2		5
2973869	2073721	2782719	3114161	3125051	1851588		2
295016.7	512467.5	482705.3	194147.9	312561.3	789331.5		4
8216816	6567908	6903755	3904263	6348614	1209470		1
595175.3	364728.9	278683.9	477390.3	489178.6	244005.4	[1170][M+1]2+	23
12660441	14309092	9600138	12476588	11734874	3771317	[443][M]2+	2
731341.5	747436.1	195830.3	281378.1	632189.6	0	[M+H-COCl	81
398870.6	96955.45	310020.2	268905.2	345930.2	106835.7	[M+K]+ 42'	28
5.79E+10	65320505	4.4E+10	5.01E+10	5.28E+10	3.44E+10		1
5796945	4204373	5060276	2938974	4906685	685906.3		2
3032646	2711349	2697860	2873771	2661580	2586212		310
896367.1	1067611	1355116	963951.4	1098525	1612493	[1021][M]+	214
448157.9	374085	314911.4	132119	27655.85	317329.9		72
554967.5	391149.8	953709.6	408798.1	475644.6	515098.3		228
1251727	0	1110661	1361476	1027851	501928.1		2
710368.3	807380.8	707641.4	645299.2	702090.7	480622.2		9
5482048	6549507	2648525	767798.9	4585568	4880107	[M+H]+ 39'	15
83201.79	63588.73	21604.61	66426.4	62967.71	51252.56		110
4075926	3599309	4074072	3393222	4363869	1031084		2
1339870	1694690	820451.4	1083702	1860926	764167.1	[225][M+3]+	9
1726519	1007460	1927509	1293631	799550.8	573573.1		4
410949	399855.7	261735.6	465458.5	80194.34	154715.6	[1130][M+1]+	110
6092042	6316480	5452279	5492100	6228827	2438260		2
448937.3	334096.7	345738.5	236634.9	242428.7	273254.4	[76][M+1]+	287
3442815	2719582	2782791	2751547	2853506	595961.2		2
214746.1	351694.4	417812.6	705188.1	192861.3	253169.4		48
1583309	1064339	1528397	1443014	1312398	556893.6		2
1437875	2799548	6422227	5114158	8201879	10386925		2
6127692	5705567	4961034	5876861	4715250	3439081	[1335][M]+ [M+H]+ 71'	12
3803933	0	3295344	3548092	3837552	629401.9	[2M+H]+ 7'	13
4682605	5818493	2227541	4750051	2795561	804883.5		9
5067264	3346214	3615930	4632543	3900914	1513268		2
12143821	13614555	10736886	10908916	12728720	8277646		9
750117.7	1722286	1673212	194005.8	970429.1	0		1

4552282	4688517	1297938	4415003	5269214	4230830		293
873889.1	1562626	1184515	3276208	1090246	1808884		9
2290693	1491302	1082148	531232.7	380360.1	284483.4		4
999273.9	382218.2	412206.1	308326.2	851861	793244.3		129
7058204	5111376	6532699	5680848	5528888	7458103		2
2099764	1733917	4024026	2444653	3010858	2426397	[M+2H-CO]	252
507971.3	141896.5	739033.6	623684.4	308256.1	155677	[M+H] <sup>+</sup> 46!	112
1397364	4000141	3652384	3504763	3287915	1857107		296
151187.4	650230.1	450383.5	722987.3	640764.1	1519395		96
1303560	1040291	835540.4	1019085	1060771	156596.8		9
280842.6	406102	147419.3	139890.8	225812.1	106526.8	[1053][M+1] <sup>2+</sup>	117
1238476	2720799	1445909	596153.7	1378479	2679541		9
699488.2	1269540	371127	0	1164502	274069.2		2
4122346	4695154	3511248	3404965	4400917	1823591		9
584512.2	705636.7	624163.6	398762	490111.4	0	[M+3K-H] <sup>2</sup>	12
19671635	21474395	21125932	17365776	15783420	16375675		290
5288934	3555658	3613620	2551419	3460432	2627173		443
3562432	2204998	4929910	4511770	3655169	917740.5		1
904159.5	536839.9	618421.1	808483.2	485994.4	499034.3	[M+2Na] <sup>2+</sup>	8
1869504	536258.2	1944228	1901965	2394236	4381416	[M+K] <sup>+</sup> 32!	26
36942721	28533030	31376940	32595006	29991343	17178761	[1305][M] <sup>+</sup>	2
14860860	15940118	10544160	12645948	10686970	10856867	[310][M] <sup>+</sup>	255
265444.6	162839.2	60254.27	83003.72	156276.9	317628.3	[1524][M] <sup>2+</sup>	51
3697411	1705084	3775243	1513973	10408399	8213890		11
258097	154019.1	465880.7	284341.4	197474.8	443248.6	[676][M+1] <sup>+</sup>	72
136292.4	563565.9	503301.9	88120.46	415122.3	156050.7	[M+K+CF3C	39
589592.3	64227058	70036537	66619295	41223589	35289234		45
3145987	3096107	2242123	2250079	3099319	1459411	[978][M+3] <sup>+</sup>	9
9839842	9683076	7887242	8047106	5882303	6595168		1
1364313	411318.3	192762.2	877713.5	1045675	154029.1		46
223618	358273	233806.9	1000064	228855.4	853769.6		72
10827379	10656380	10638945	5261905	7667437	1065917		1
3855957	7435397	4560637	3701640	8220283	8598020		2
1114390	2623252	2994967	888506.2	4855643	957300.5		3
28709627	16989973	2125533	21934527	32559450	13833193		11

5509333	4200028	3899714	4622711	5060892	1699487	[3M+3Na+]	14
16361549	3875127	8348403	8320642	3177497	2196028		328
305146.9	790835.8	343278.4	2499181	164557	1230620		162
2258087	1614922	2004430	2209787	1590060	478919.5	[288][M+1]3+	2
35208434	15835168	13340642	18755047	28278073	8941196		1
10280673	9111175	10137194	7588046	6826159	2859193		1
2940400	4127991	5851761	1310688	1688626	3707908		1
7982527	15581306	9253889	1321383	10127399	4410598	[M+Na]+ 4!	15
5412009	3644449	3258889	3275405	2721736	3600620		407
3469325	1783823	4441077	2415169	1159664	4320898		410
818574.5	515070	45968.83	0	152018.4	784452.8	[M+K]+ 75!	18
2297125	1963873	3578925	655362	2873071	867254.2	[M+K]+ 54!	15
14172131	10549919	12060250	11893237	10790588	4497419	[1296][M+3]+	2
1203922	708882.2	662021.1	892801.9	641894.7	416569.8	[584][M+1]+	80
1236205	2799361	2462990	2059290	3243528	5829936		15
4380182	0	1129919	1110007	1067199	1218645	[1187][M+1]2+	2
2369035	2342875	2331994	2466434	3283264	2867692		185
4923822	4103601	1681981	4619382	3599373	803312.4	[2M+H]+ 2!	3
948938.4	2019249	69000621	55200358	1773285	8618906	[577][M]2+	9
9.54E+08	2124166	671006	7.16E+08	8.97E+08	2782269	[M+Na]+ 4!	5
185723.9	245501.8	75870.49	109625.3	242370.5	69839.69	[1494][M+1]2+	44
667830.2	512803.1	2071655	2307381	1247729	3013607		36
120322.6	62888.51	44107.92	25049.87	98205.76	0		66
5328486	9151334	4351671	4248821	6405294	2360117	[M+H]+ 36!	15
1974339	461998.9	1940672	1877213	1596233	1831159		194
219007.4	283479.4	160770.4	28849.7	200985.1	276690.9		91
2144826	1307436	1945277	1286570	1629394	101724.5		1
3053935	8444720	7003934	554866	3402317	5109739		1
3993134	7203181	7853718	3416648	3716991	2488306		1
13193277	6658433	14799171	13054090	4180958	4530395	[827][M]+	218
188646.9	1954218	647571.5	734930.7	1963076	3491608		233
44337861	61725815	54185002	27000059	37301968	14852155		1
21556272	9251143	6532962	7020793	11323783	11887819	[146][M+1]2+	1
185188.9	328960.6	191283.9	206214.7	269957.3	160462.3	[682][M+2]+	44
854366.8	588061.9	1119537	643076.1	708411.6	408367.8		4



1052199	3148277	3017491	2037121	3173160	1693071		402
1136075	1183274	1311708	848809.2	1144140	1092836		9
1955687	3147223	2545652	2083233	1721932	3942950		1
7809582	6767046	6659677	6754587	6291587	2566457		2
2047730	1487963	1669017	1467920	1254168	1315170		475
9557387	7775946	7642892	6946528	8262788	4565344		2
1056956	1644774	1282376	6690751	2645336	5137119	[M+2H-NH <sub>3</sub> ]	3
608779.4	955465	652901.3	371101.1	536093.3	0		12
2742559	18882050	5139926	27276070	64352381	1.03E+08		1
3175205	1215603	4095523	5011471	1870786	2122331		2
24502340	27665336	26479186	18998977	20125707	6573838		1
4693375	5115981	4606535	3357972	5247594	5539120		2
536022.9	2697705	2473146	2042343	2207289	3701436		339
2708049	2690789	1365257	2588001	3175171	2439347		341
481954.1	298076.6	403117.4	265191.8	342954.2	0		64
273313.3	825342.3	781046.8	737097.5	496072.8	610216.1		112
4582095	5691287	6671854	3668102	4118703	814851.7		1
2379464	2231002	2413264	1777126	1978251	1416419		4
4471327	8598215	9826243	3087597	3173721	4492818		279
32558243	28296468	31385498	32204645	29218082	19503422		2
445972.5	224727	262334.2	137674.3	340172.7	51959.27	[1380][M+1] <sup>2+</sup>	16
3330196	2731482	2797591	2681766	4709347	9939720	[M+Na] <sup>+</sup> 3!	3
2777486	2009719	2135133	1838175	1399086	1405217	[1074][M] <sup>+</sup>	284
3239734	2841674	2329356	3384645	2962498	1036312		2
3409684	4355842	4759807	3338520	3387095	1135236		15
4939741	9350051	4952990	5221475	8529401	5043482		341
5155471	2491539	1446046	5837614	1329157	7216949		2
2757282	1521541	809902.8	1726459	1910627	1603572	[556][M] <sup>+</sup>	193
5355692	7829758	7160322	3464060	1092308	9714093		383
8077070	7523166	6959549	6472330	266885.5	4596293		86
7672705	16490060	7043903	7916793	9174533	12674151	[3M+2K] <sup>2+</sup>	3
2529228	1252483	1455624	1289672	1390398	1287830		184
2599350	3043495	2967976	2865705	3013073	826129.5		201
15218251	7834115	12680934	15025228	8421052	2562634		2
8079735	1209942	1148078	7531031	1592712	1379074		2

293374.7	544531.2	935483.7	238695.4	419943.5	574728.5	[M+H] <sup>+</sup> 25	8
758555.9	490735.5	781999.1	533441.2	691992.1	161453.8		4
18387187	7553183	3202404	13817130	16773794	8929053		3
265953.9	985592.2	1595954	3139872	977429.6	718627.7		217
2480442	1368076	4717809	1809613	2247674	577594		28
7133892	5348665	6035762	6755518	5307590	5584189	[960][M] <sup>+</sup>	150
22588738	23136072	19664587	19774636	22166891	11735592		2
9830298	12264949	14393709	8143530	9081122	10302401	[M+H-CO] <sup>+</sup>	41
3819094	2589068	3632187	2006907	1930658	4685064		345
3592099	7576985	5568497	353631.2	3679689	1934325		3
8845647	6492158	5062802	6023345	5693120	5922226		241
454858.2	778767.4	203002.9	0	467924.8	724859.6		18
273165.5	482026.6	561252.9	1735862	680949.6	3133171		8
5612455	4567798	4356153	2741533	5030353	6792266	[M+H-CH <sub>3</sub> ]	264
85800.95	283708.3	44316.63	131496	41225.52	100880.4		96
3464659	573746.1	3157826	2968649	1972756	547466.7		2
5035829	8378412	5161043	5268861	5013036	5647481		272
1092509	314171.2	2996341	1088801	846524.8	678249.5	[639][M+1] <sup>+</sup>	9
1.02E+08	56529826	48407476	66017216	31415387	19704387		1
970611.7	45548.9	47841.46	38471.77	45209.89	26609.68		127
465908.5	72664.52	775033.2	112953.7	449424.9	164929.2		9
2579409	24846007	33415499	12912929	1431819	1075305		3
1764189	2188872	2036675	1582467	1936101	0		2
4079783	2571368	737844.3	4142869	3950332	2422127	[M+H+CF <sub>3</sub> O]	11
441880.6	0	937699.5	866438.4	635392.1	0		9
11997602	7157228	10676242	7210115	12449848	3922539		2
8803284	9888842	7857306	6360592	8636024	7345725		2
20325966	28884186	3260585	17594292	21471950	4735493	[M+K] <sup>+</sup> 54	3
6010160	4288771	3808359	4155723	824570.1	3069718	[M+H-H <sub>2</sub> O]	252
2211830	3276507	3185606	1981026	3186607	125923.4		9
6639254	4981174	4220854	3398815	3902553	2190270		9
2927528	1424960	531315.2	2687435	883904.2	114134.8		1
2948045	3283874	2203321	3065753	3605538	2381851		2
3448290	7813458	1643438	2213905	10252830	2144875		1
3363366	3173384	8419080	6662097	2618408	2576481		310

4115589	3044496	5457425	1527540	2699059	9235311	[M+H+HCC	21
4568648	4635057	2911434	5594544	4160317	4389089		317
34867443	16094693	13286577	19097080	28493891	8949093	[1179][M]3+	1
42673705	31926805	34214278	37588107	35080516	12702214	[42][M]+	2
5978307	5436828	5000025	5630363	4599235	1303132		2
5082149	6001259	7937366	10629023	6185646	10865139	[1489][M]+ [M+Na]+ 8:	302
2798014	1693679	1292819	1443193	1400557	1077205		282
6112755	9589149	10364448	4746538	8237824	4792604	[2M+2K-H]	6
3068366	3261645	409128.8	2752781	2169409	1484078		11
1181858	2277797	1459425	688095.8	1559095	846369.5		93
739392.1	826865	437898.9	609733.1	753512.8	507657.7		4
34798145	16231026	13245261	19342330	28430635	8964130		1
353414.6	1552725	807954.5	8781866	1298202	5861923		2
8200873	2785779	2570217	4123902	6384836	1994800		1
266353.8	48359.88	122244.5	0	101846.5	119285.4	[3M+2Na]2	18
1163954	1310985	1812978	0	1592549	136587.7		1
400580	295709.8	37437.99	419220.3	256638.7	26563.3		19
6316134	5909939	5064836	5346663	6266174	2992397		9
15638213	11389220	13653535	11476035	11977426	6183228		176
233450.3	338577.8	142049.3	551731.7	281146.2	444636.5		283
3704020	5326330	9981921	14124825	3847776	9272541	[M+2H-NH:	35
2765533	1404819	2286690	2901879	7313590	4151741	[31][M+3]2+	2
3485529	3597066	2084200	1426962	3113425	938721		1
1398475	112407.3	145513.6	119752.4	78919.58	38186.83	[M+K+NH3	232
12768819	7924191	4014118	8314916	7427424	1571535	[M+K]+ 29:	3
0	856827.5	396328.4	641683.7	435320.3	496003.6		9
213879.7	965877.2	147057.7	191215.7	346136.6	0	[M+Na]+ 3:	15
416596.6	456516.4	282959	80517.76	398521.3	306466.5		18
1001119	17708162	17956059	10761913	11974544	11255164	[219][M]+	4
251799.1	105066.7	155623.3	151509.2	148506.5	178327.7	[1565][M+1]+	123
580709.2	329482.5	285927.5	332761.1	355427.4	356693.8		35
9755089	3821467	3619372	4589292	3547900	2109178		14
22100977	17439072	2267544	6465855	11551995	11497231	[450][M]+	99
1020265	969651.7	863092.3	664829.3	708393.2	1188181	[M+Na]+ 4:	73
10377876	10006536	9570107	9716195	8093384	8583160	[M+H+NH3	121

499307.2	417081.9	863493.4	309939.2	414954.3	258866.9	[920][M]3+	23
38087230	28433632	31684190	32185085	28420824	10317784	[1296][M+2]+	2
1968836	425787.9	1134256	1288215	2228681	781241.3	[3M+H+Na	14
1730680	579596.4	1224563	1051864	1992816	2386786	[M+H-C4H8	29
201114.3	193226.3	250615.1	126633.9	149525.1	294414.3		91
3987424	1235006	2634712	3017767	2707069	534470.4		2
1454249	2449452	2742496	2826718	1634584	5309612		9
1526304	426491.7	418635.2	97032.49	989155.4	319704.9		345
7090769	5374926	5726720	4741325	5133442	2787051		198
3372286	2449597	3125450	3462190	3587673	1062968		2
33556567	3467010	1338829	601597.5	30712733	9028679	[762][M]+	4
12533950	6440969	12793279	10612955	17757556	944096.6	[M+K+NH3	15
6643796	10296475	7503898	5107678	15859600	13154947		9
2134525	180478.9	3308169	2141750	1711237	1400807	[744][M]+ [M+H-H2O]	135
5760004	3096007	2088828	2132041	4015214	3185183		21
6344352	6271428	2818649	3898086	6406528	5929879		316
1031734	722011.1	80871.58	420036	685584.8	718658.1		9
39595863	19026907	34145158	24085681	21971108	16942754		1
426363.5	761504.7	13363599	474983.4	7746981	19592033		68
685153.5	695328.5	1151762	467366.7	696926	535082		26
1926734	597233.2	874910.9	1537206	1310332	215306.8		4
5184587	1882969	1244092	4182464	663370.5	1701440	[M+K+NaCl	3
2261291	1098208	953597.1	527418.5	955611.7	526762.7	[810][M+1]2+	9
432322.6	720760.3	749164.1	437297.5	687554.7	328551.2	[M+H+NH3	16
8229232	2548274	2795552	4076238	6103016	1830143		1
772886.6	326903.1	312249	544432.5	435239.6	114366.8		91
1436113	756859.6	2341227	751281.1	776757.6	0		1
4859702	1845593	3019734	4581622	2240711	475732.9		2
6680703	1529383	3541736	4039249	6170266	4526426		1
1558768	1074150	1580422	378490.2	1050521	0	[1301][M+1]+	1
9305907	3713421	2775038	4051020	2986240	984472.6		442
1951516	3916365	2062217	2361572	5149997	5628126		2
98288409	1.02E+08	81368917	88313940	89410333	92371631		2
36077.08	368678.4	26898.19	26508.17	26384.11	214609.5	[M+2H-CO]	18
506384.4	636153.8	226512.9	435122.5	669107.7	0		8

449951.2	859438.7	790443.7	247876.6	487795.3	673366.5	[204][M+1]2+	46
13889120	14685616	11064567	13333247	14598931	8799793		2
3827060	0	2170492	2831138	2200031	1782970		2
1785576	1437645	1011089	1708964	2499502	2731177	[M+K]+ 36!	46
7.74E+08	9.17E+08	7.74E+08	785753.3	7.19E+08	8.43E+08		4
6115905	6086004	5631582	5395033	5104599	781472.1	[1356][M+1]2+	2
226844.7	563091.7	527798.9	432969.1	193982.1	325988.9		4
1788653	1726996	1404813	1695099	595297.2	1211267	[3M+H+K]2	6
4135542	5003981	3398906	3222886	3810777	5468503		420
2711126	6839299	6134507	2264484	2891133	2713638	[M+Na+Na	15
4383629	5914581	3787826	1094533	4123081	2545057	[M+K]+ 25!	41
18115509	14397063	15271487	15281876	14469133	2703932		2
5911548	6060388	5861767	6377852	3572099	5615854		354
74039480	61380337	59277210	60687301	61465266	15782334		2
9155561	5417366	5762142	4243540	9321908	1713602	[M+Na+HC	15
1634541	173970.7	2849388	1356170	975671.7	1462198		9
3579948	4153966	2629385	821403.6	4483571	5465385	[M+2Na]2+	38
5688811	5359546	3713723	2621831	6630554	2977175	[3M+2H]2+	3
6623926	3030682	2682253	4169209	2936010	3546128	[1097][M+2]+	86
481883.2	787390.3	14007830	10511818	1259284	7016773		9
150904.5	100195.7	76298.13	91771.33	101676.7	55147.78		480
30512848	21743901	14240365	19891680	17817733	17617854	[223][M]+	152
1622262	3262023	2527844	2753218	1889492	2051038		191
951621.3	675351.6	2344364	1538744	833231.5	1041219		9
528321.3	322025.3	250728.6	313597.7	624271	226291	[1330][M]2+	16
2116726	1238683	1801549	751652.5	1623815	928731.3	[M+H-CH2]	15
1006361	1123247	525848.3	516926	427322.7	77585.29		97
674366.4	585368.4	503749.2	348634.4	376045.6	345809.5	[M+H-CH2]	5
32822626	24662178	26632166	28586258	26625967	9342670	[44][M]+	2
912002.1	566537.2	377924.1	788320.7	822289.1	67795.2	[978][M+2]+	9
2049777	1459070	1086784	1849236	1777429	214681.2		2
19807838	37696359	10815880	3058881	2277100	1710853	[M+Na+2K]	15
6921502	5657437	3696352	3564259	3278371	3688737	[569][M]+	296
608470.7	894900.8	658371.1	1877688	856488.9	869848.9		8
1039165	734866.5	1471706	4966081	1695345	4738173		172

4877574	8070095	463489	3371421	2566980	5703749	[3M+2Na+]	3
9947.477	554910.5	119967.9	11985.47	71095.66	281553.5	[M+K]+ 64	18
114671.6	151022.9	122517	72426.87	105453.9	87371.6	[M+K]+ 52	116
14445239	3999627	10899573	14579412	10977594	11048733		9
345570.2	293464.7	434501.3	189703.2	257068.9	375554.7		306
21435815	22455766	18639161	18652563	20960530	10565080		2
2091923	6836032	2119998	11162339	6833245	9344080		2
1.15E+08	71241327	1.25E+08	98384606	90059167	44055982		47
1043135	1553779	1089797	869281.9	1709267	1520633		93
63711503	1.07E+08	75301711	4426483	58604213	24340982		1
12061965	8361114	1754061	1241935	14103209	2435206		1
12987287	8439903	13237293	10210368	10680921	0		2
1763311	1490613	957510	1224779	960328.1	1085109	[1362][M]2+	20
4446684	4398380	38780907	7785145	43214113	2423756		190
2716598	2252717	3060839	679035.3	3108377	458885.7		1
12327166	9943355	8376959	10667526	7890013	7857678	[1194][M+1]+	2
2771567	1438519	2260545	1631669	1904263	3487542	[98][M+2]2+	1
49736473	43911125	44249243	26899974	40904619	17712639		1
4112556	3752075	3767390	2587772	2819314	1627496		20
13492755	2057452	1965938	1446293	2148304	4380784		1
495383.4	609920.2	681058.6	220296.3	524720.5	383581.5	[M+Na]+ 6	86
10550657	6369515	7474181	5082785	10071091	3917335	[1299][M+1]3+	2
1604891	3828394	1565485	565340.6	2483326	5381722	[3M+H+Na]	15
22033969	20701490	19595604	19171460	20502368	19730623		293
5472942	6176738	1051209	4781548	2719968	3426304	[857][M]2+	3
917298.7	905385.7	581500.8	637870	557212	459445.3		4
1081285	985692.2	762318.1	852423.2	159171.2	999555.3	[1069][M]+	17
2166884	398740.5	883223.1	1347147	2301696	1734747		9
264131.7	35224.74	7161838	10991288	58238.78	1185363		303
6099523	7618712	4546577	5628777	13402638	6022077		385
1235119	3298306	1204887	408031.5	2101217	261335.5		1
188469.8	338644.9	109881.7	62421.31	68382.09	116328.7		128
1182724	8265642	6000062	1003001	5350892	9041445	[M+K]+ 38	5
467372.7	1097468	1034202	874706.8	722819.6	2172147	[M+2Na+K]	8
5548195	2921491	2719348	3445669	5657170	1964658		1

2181963	600598.4	2342234	514756.3	866745.9	1614383	[M+H] <sup>+</sup> 28	112
2218904	738337.3	884119.2	477303.1	987858.4	107349.6	[486][M+1] <sup>2+</sup>	280
6006362	5745207	1359660	6277414	5682546	5499075		310
1347355	2378401	13223985	12368189	2026174	2205793		2
7815105	5261196	3687633	8359706	6599939	2497067		2
3249725	3110685	3893433	1938964	3667220	243963		1
159647.8	148188.6	103885	153405.3	68149.51	95895.77		127
2857308	3456817	2336426	2122416	1672799	3369676		6
1418335	2447629	2078277	28104693	41113917	4767730		2
3996138	798533.8	3053908	1927543	3966632	2040638		2
4515392	1384219	1197823	4076670	4802983	2151111		1
8304924	4380977	6530084	5248184	10225580	7010807		2
88771373	74170523	72542204	81535811	78314948	48992831		90
3764424	4248120	3479894	1368659	3312842	380963.8	[1297][M+1] <sup>2+</sup>	1
101825.6	187559	297473.1	215974.2	207236.1	208605.1		160
589485.2	576683.4	288814.2	402651.4	508436.1	632014	[1123][M] <sup>2</sup> [M+Na+K] <sup>2</sup>	35
5153910	7195334	4854397	4468192	6403386	5075022		2
12580715	6449058	8442214	6401598	10110371	17116292		3
685072.4	0	1279067	1091460	1164578	3745633	[407][M+2] <sup>3+</sup>	2
1522754	1450277	4705893	3480052	847840.3	2157657		338
40818458	2593809	34635010	35306693	2914390	5978898	[394][M] <sup>2+</sup>	2
1059776	2606700	791561.9	191195.7	548506.5	1521640	[M+2Na-H]	18
1515079	631992.5	121667.2	1142215	1183142	2688154		84
535637.4	884035	2500497	946213.2	1017465	1205326	[969][M+1] <sup>+</sup>	66
533899.1	198527	114971.3	564508.5	598282.5	579205.7	[M+Na+NH]	18
2255249	2050747	2162261	862499	1512585	0		1
5.02E+08	3.15E+08	5.49E+08	4.31E+08	3.96E+08	1.99E+08	[M+H] <sup>+</sup> 36	28
1013066	3212817	990982	456763.2	2699319	1012593	[M+H-H <sub>2</sub> O]	3
946799.6	808187.1	732944.3	1002905	558166.5	533499	[M+Na] <sup>+</sup> 6	134
1639022	1775809	1685499	1407747	1309245	805026.9	[M+H-C <sub>3</sub> H <sub>7</sub> ]	33
948171.6	647695.1	422513.5	404954.5	649689	231214.2	[1170][M] <sup>2+</sup>	23
5184297	3671063	1447264	4525170	2186437	1141425		3
23649618	25228749	19372067	20632378	24355725	9065097		2
41218865	45399816	5026802	6984712	46569887	2981946	[M+Na] <sup>+</sup> 1	3
6399183	5957113	5474840	5556210	5326427	4959149		2

4543630	7576625	8975924	2342127	6899264	3205565	[1376][M]+	332
117956.5	181887.7	144720.5	176017.4	115419.9	111498.2	[M+K]+ 80%	220
3552876	2712107	2933842	3262643	3307138	535616.6		2
1609094	1043058	1661915	1952947	956013.9	1505169	[1491][M]+	256
1932952	0	1908678	774979.4	904505.5	0		1
1487117	2810908	1.03E+08	88442844	2375960	7443352		14
3018435	3117682	1779816	2278205	2793141	3237223		95
1950900	1609972	1432920	911712.9	601274.9	212976		4
10195648	4608802	6792314	9050556	6528842	2035080		2
3991964	4365740	4772546	4681052	4294009	5273675		333
9137362	6491627	7163028	7979642	5065853	346178.6		1
769151.9	60955792	1.07E+08	79029888	74017183	28562076	[530][M+1]+	27
1493386	44112534	1786999	1853098	1060816	4475810		53
6086704	6662395	3582233	5271301	6511540	933743.9	[1][M]3+	9
2312338	1284056	1711269	1817813	1498462	112885.7		4
3084192	7527877	14285747	4497783	19959353	10772574	[534][M]+	1
1704113	3286193	1341283	552565.3	2250167	4110713		1
1489003	1709769	1786682	3076186	712784.3	0		2
4872195	6468391	4988277	8115036	5415423	6448203		412
2060439	724886.1	1972159	2139486	1832115	0		2
1.14E+08	1.19E+08	1.34E+08	78318891	76022807	1.44E+08		94
881119.3	730971.7	347042.7	636391	325554.1	477624	[1589][M]+ [M+K]+ 11%	134
3264437	1908009	2808095	3196751	2165607	1954309	[1166][M+2]3+	2
675199	769736.1	958294.3	641533.1	596314.7	1256258		9
927731.2	627996.8	1033341	735752.3	47593.08	610876.2	[295][M+1]+	126
3126140	2598123	2011975	2225732	3063680	1095501		9
1887409	1841783	1222925	1636370	2866966	789335.5		2
8032129	4581648	5668010	5686333	8400028	6554030	[1609][M]2+	2
1776437	914860.6	1700620	2010034	1060578	625884.2		20
6736245	6845719	6102691	4850613	5168277	1175628	[M+K]+ 30%	12
4000939	4467130	5407421	2156480	4954357	1563830		1
5669956	5326621	4221181	4154565	4621957	1694241		4
1551908	0	0	161149.7	928324.5	187088.3		1
756753.8	609176.6	834125.7	741781.6	615102	192932	[942][M+1]3+	57
7052093	1756700	1963410	1201475	732099.3	5790864	[493][M]+	4



6054417	7895496	4375558	5145362	5483465	5382711	[1228][M]+ [M+K]+ 63'	6
5744234	1912542	4141965	2885871	5758133	4832441		190
4499374	15661383	1883499	38714759	6092955	26126790		1
52919878	2841045	40416134	45721326	3349468	5890424	[457][M+2]2+	2
326307	712265.3	473399	801734.7	80998.91	513841.3		256
19436228	31707828	24229996	16185633	18212228	15365182	[735][M+1]3+	1
2509775	2019200	2113189	2303585	2854468	704452.6	[M+H+NH3	14
4267462	3559471	3750921	3547688	4342203	4052915	[340][M]3+	2
2955693	3143835	2557506	3017853	3067523	4921066		386
4222788	3057076	1682427	3088670	1517694	2902245		3
37790228	14986441	16955195	22315980	26970262	5574446		1
280067.5	46815.67	109813.5	152804.4	175339.2	23143.98	[1504][M+1]3+	166
625477.3	481945.2	479570	205471.1	404149.3	106810.1	[1225][M]+	74
2557678	2728293	2322779	2646225	3218746	2201365		4
1155968	613843.3	493866.6	950192.9	237963.1	446457.3		4
7301553	7533340	7136144	4116065	4927035	5298917	[79][M]3+	20
3737922	4447700	469008.1	4582561	3385088	526104.8	[M+H]+ 63!	322
3865607	3641546	2203501	3126349	3910698	1243636		2
3969837	0	1780595	3268463	3332783	657423.6		2
6397363	4491954	1448983	4147822	5678024	928068.8	[3M+Na+K·	11
396417.9	157234.6	174382.1	293825.3	371136.6	45382.6		42
4814912	4507951	4508871	1335997	4594641	4471307		375
335355.5	461697.4	409053.7	359916	318668.6	295028.6	[1080][M+1]2+	366
428281.4	471593	588226.8	666768.2	395659.4	451343.2	[887][M+1]+	318
3738250	3096498	3376895	3952200	8938211	5506264		386
2794159	1874731	2236486	1598470	1923760	1054847		249
18946443	30488286	13310063	14407841	18807197	19837096		11
1132262	241323.5	910568.2	1015810	957718.7	2530412	[627][M+1]2+	15
8724932	10948184	10335917	6402576	7658679	6707427		1
3370025	547676.3	2958571	3250566	3311232	3054380		295
51073404	45497694	4412855	4027619	4135231	8942387		1
490038.9	415161.3	193316	276755.5	300819.6	235976.3		475
11992783	5876659	3210862	5975793	5520535	1271718	[M+2K-H]+	3
674033.1	235082.5	576830.3	890202.5	113957.4	170084.6	[M+H+NH3	16
5605909	6571002	2320142	5026493	9155754	4375472	[M+H-C4H8	3

582426	328875.3	358113.9	348448.1	386065.1	128287.9		4
5669866	5925342	18608276	28013611	7585325	7922191		105
252560	238617.3	461098.9	790148.6	503651.8	651011.4		355
3672213	1221394	1723908	3625343	1504426	526514.4	[M+3H-C5H	15
3628600	3654826	3374976	3537546	3530499	2804995		390
375687.8	1185664	0	110338.7	488117.2	1240554	[3M+Na+K-	6
4510031	4919612	4379550	6150505	7116595	2526831	[1300][M+2]+	2
488082.5	29057.98	51724.08	111237.7	68648.48	41216.57		127
4825109	8399288	3894938	2788821	7347675	6923967	[2M+K]+ 16	11
2144447	2883433	5948737	5849029	2295658	1356572		76
1781700	634196	8350578	1217554	5318445	2587691		9
1435902	7684435	7807792	1135989	1608635	320174.1		58
1709906	3354610	2407984	1719808	2244245	3119397		5
9842773	4770717	9105338	6537209	7430854	3080322		2
19978965	67062598	28977875	6144789	16803216	87540296	[M+Na]+ 20	58
757147	892307	579684.4	667986.6	778906.9	511470.6	[M+K]+ 27	8
9946185	7514857	6799825	6499392	4714489	6762971	[6][M]+	287
632536.2	231665.7	489031.3	185471.1	288191.1	238907	[226][M+1]2+	16
1994622	2523150	1222246	2048183	1786140	1411622		161
575739.3	1832520	1467709	1137107	759702.3	995314.3		9
884153.9	1430662	1135039	2035687	1048151	1038534		9
617507.7	2144633	39940.62	1759891	2427397	1807982		3
6339115	6174773	4729264	5245809	5813550	6362688		2
8646689	10043777	7947705	5800859	9057352	6746397	[446][M]3+	2
353859.6	640388.2	919305	767624	778947.7	1451372	[M+K]+ 41	83
15440908	16245376	43356778	36200523	15062382	20118634	[1058][M]+ [M+H]+ 58	110
896498.9	742901.5	1639422	705865.4	514025.1	1127094	[M+H+CF3O	8
400263.4	1507311	150102	1600728	1693749	1561255		101
1114809	0	1071468	839319.1	866681.6	81877.49		9
49476166	43825178	44677567	27113991	40873154	17263420		1
9037951	4780265	4187186	7213239	3297729	2261935		9
321626.9	1564847	1574245	1026811	630884	1162929		9
935033.3	1052117	380674.1	753460.6	580292.6	1050239	[M+H]+ 42	16
17335776	28361671	21564278	16853984	17971962	14087553		1
1.21E+08	1.06E+08	1.33E+08	1.2E+08	89341601	69697519	[293][M]+	56

1558471	3531240	43065.6	6279416	3128703	9534587	[M+H+K] <sup>2+</sup>	11
944777.4	1142081	575899.7	783078.1	905245.1	261308.3	[1115][M] <sup>2+</sup>	35
364291.6	1180735	925754.6	469818	684439.8	2720488	[3M+H+Na	8
4231801	8722791	3569893	3950102	7312766	20648299		2
41341639	41720696	31416445	39757812	42305789	22603629	[400][M] <sup>2+</sup>	2
767315.4	930315.7	476402.4	563666.2	585697.5	506882.6		147
2332506	1250283	2334351	2631731	2334664	1708217		386
1148602	1284915	1076969	1184993	1149892	711463.7		4
163335.3	900863.3	881108.2	222707.4	508154.3	1791873		9
433980.2	1049068	876762	1550070	646419.3	947197		9
2437834	442567.5	1876742	2219816	3557618	3050031		9
5795430	5655757	4920306	5718656	5489574	3042420		335
19774411	5611862	3762104	2091476	18069901	8555749		3
11066815	3230660	8400418	8502453	4739067	18518582	[M+H-C <sub>3</sub> H <sub>2</sub>	97
1830308	1216363	3048370	1480141	1313326	1647165		18
17041421	7184397	4649492	2341835	8539711	7275317		404
19524001	1.4E+08	52502443	2544507	1.98E+08	2.08E+08		1
189376.6	638585.4	644444.3	0	205150.5	1088215		9
1225004	1472268	1395959	8534472	1195982	11178997	[1310][M+1] <sup>+</sup>	9
397118.9	0	532474.4	370416.7	396833.3	394994.6		38
627237.7	673483.2	805432.4	868854.4	734561.1	344050.7	[1036][M+1] <sup>+</sup>	22
4716054	5243021	3749772	3551514	3931506	909256.1		29
1030945	3804005	856352.3	1238577	682615.4	632660.2	[M+H] <sup>+</sup> 50	15
271699.1	197893.2	137510.6	288168.5	290906.3	185271	[174][M+1] <sup>+</sup>	254
57260833	4028618	4537469	15714569	4866194	1341787	[637][M] <sup>+</sup>	127
1580273	93231.01	820134.3	540972.3	591231.6	0	[3M+2Na] <sup>+</sup>	46
4053457	3046528	2895817	2809725	2852114	1659353	[175][M] <sup>+</sup>	249
449260.7	1373311	1260267	1097435	622061.4	904865.5		9
1582159	162174.9	1442807	1185313	1356043	336056.7	[M+2H-NH <sub>2</sub>	13
1542233	3245484	3914552	2586499	2506105	1766414		417
38515097	23807127	32150589	33437317	28048631	13150280		2
67757.89	804230.2	0	270629.4	218786.3	362594		29
2799718	2411515	2012796	1969225	3272434	1970582		9
1051037	1036955	817225.1	687619.7	871678.4	534338.4	[870][M+2] <sup>+</sup>	123
1470820	95716.06	136966.1	101894.7	154312.3	143625.7		83

4387689	3879456	1587598	4027034	3893185	2776418		325
469052.5	510508.5	807407.8	405239.9	613093.1	777476.5		33
4106767	4239076	4168152	2523540	4424205	2425341		191
141621.9	318819.2	0	0	10312.07	36498.66		18
6224311	4928188	4230233	9669448	5359610	1469595		2
22451948	23551983	19867119	19754016	22059866	11247498		2
30368241	41653770	26359990	29651383	42436530	22051618	[457][M]2+	2
7233528	7056414	5971737	5261630	6668269	4396830		4
654169.9	817414	736042.6	312009.2	568068.5	494163.5	[944][M+1]3+	57
15328454	4766608	2917149	4250555	15576915	10151117	[797][M+1]+	15
9381076	10442010	8687089	7086546	8348647	4795257	[1049][M+1]+	58
13011085	2200478	18322433	8162347	5685478	8030372	[17][M]+	1
52420.01	439140.8	205615.6	12332.59	164092.5	439670		18
210285.7	90092.03	78624.97	123099	97084.74	92208.02	[83][M+1]+	342
4282316	4167270	11758949	10748160	4102567	5074908	[1058][M+1]+	110
10894396	6424941	6288088	6258083	4085486	5820704		236
11041291	20984389	11923760	6768344	19302955	8797004	[3M+Na+K]	15
1183326	771184.4	923896.7	999444.4	682066.4	42152.45		4
428706.6	413273.5	281007.8	438336.4	369350.3	637824.6	[M+H+CF3O]	16
168615.9	481909.8	527460.8	467892.9	497583	235754.2	[788][M+2]+	135
22119206	31376470	15572912	17372573	21259250	18597988	[975][M]+	9
3463773	4403293	3211067	3162655	7732040	7100145		337
3813749	42785807	3472082	3666624	1951395	45968564		2
4514358	3331581	62337836	7818724	5130728	60750676	[M+K]+ 33%	195
49191416	43884238	44381770	26907990	40955968	17433942		1
5989730	7245377	5869618	4881631	6256017	4384369		9
1545438	1585286	1917696	1317430	1378906	1683011		4
346639.1	183440.7	366649.9	350618.2	149217.2	96263.82		170
143243.2	123564.6	98078.87	77782.41	109612.1	90657.88	[898][M+1]+	110
359202.6	490047	333463.9	501807.8	440864.9	472423.4	[M+Na]+ 4%	147
1079181	715719.9	6678229	1012548	1183442	7846660		9
49543095	52878122	50742580	38817439	43227544	22515112	[1049][M]+ [M+H+NH3]	58
2125328	1050934	1162262	1384031	1445878	0		1
8183230	6074978	3881572	8089085	8095117	9397125		354
2537110	1539222	2318690	1970954	2104985	2286319	[M+H+HCC]	201

1475957	2232492	1444865	1114295	393496.4	1212907		9
12142527	19193349	14369184	10394300	10473687	13543877		1
1104475	1434325	1384845	1093852	1095575	972695.7	[1264][M+1]+	86
486008.5	988095.7	765808.3	85970.67	570587.5	706275.4		46
6906206	2300787	6395827	2691400	6518393	3097879		279
8186798	2812956	3764553	5376945	7043095	1812342	[M+Na]+ 3!	15
7657739	4846476	3773400	3748072	744536	3566444		323
3075650	2294413	2336517	2421277	2143029	1342698	[590][M]2+	166
681959.5	1036626	836180.9	544746.8	735294.2	548740.8	[M+Na]+ 5!	35
20577243	18226717	22674583	20576882	14791300	11345950	[293][M+1]+	56
2848895	11577581	1659492	3004206	3329105	16924258		2
680914.3	2555246	696073.3	2467467	3963328	2813178		4
1056252	7324973	5512698	1009992	5787772	15542281		2
2773977	421470.4	408090.2	2787916	328239.9	572638.3	[M+H]+ 22!	5
22280913	15681093	14417782	22362669	14760691	9398154	[380][M]2+	2
1187117	2511539	1392061	1230774	3078581	3417813		93
1043818	1937477	2450049	2008597	2522719	6874962	[725][M+1]+	9
25714671	23951303	25918575	19446973	19781109	5537667		12
1150295	372912.7	651096.7	793246.9	1041876	124634.3		9
37111466	27597898	30737556	31616280	29931854	10570927		2
398099	302390.9	266024.7	232563.5	358047.7	675607.9	[M+H]+ 64!	23
696620.6	1566343	1757126	518165.2	1432036	120473.7	[M+2H]2+	15
1516519	4726907	10995610	11208262	9458688	4456415		2
6577619	5540579	5026718	4203032	5470447	1201287	[585][M+1]+	4
2401994	2339045	1048039	1197308	2009724	2860149		93
1212640	1336762	1405341	640531.6	1586283	0	[M+H]+ 58!	15
612591.7	755194.2	277531.2	635312.8	382197.3	585974.6		179
3647731	485569.9	1319201	792711.4	2390387	139347.3		1
368960.4	1202193	947490.9	438537.3	671601.1	1725958		4
4949371	7402053	4899770	782153.1	6856859	2454683	[M+K+CF3C	15
33716123	26523115	33088451	26461701	22257347	12711086	[136][M]2+	215
413358.3	386528.9	477435.7	496807.6	390497.5	426868.4		109
3276261	2291365	1673038	410877	2333738	1950684	[M+2H-CH:	398
4162092	2841234	2344426	4418253	6673628	5377940		2
5240841	2080985	4096313	6172489	3739134	1376217		2

10392510	737743.4	591126.1	618163.6	532048.2	636250.9		127
484415	137406.4	744031.5	761784.1	549778.8	71488.12		9
932250.1	1418116	764709.5	928677.8	1213729	1422180	[1481][M]2+	35
5279995	5152337	3566181	3731559	2099039	3976468	[1444][M]+ [M+Na]+ 7	12
2.95E+08	98715385	70280915	26846760	61545874	30682860		1
531427	212293.6	464972.2	470133.9	486700.6	183116.3		118
10151932	7721658	8337286	9511413	7439776	7589697	[1219][M]+ [M+H+NH3	150
339098.4	705693.1	766678.2	844339.1	381731.9	1675022		9
3867928	2917317	2964342	2874493	2968258	1535825	[1412][M]+	166
624619.8	671742	407215.1	431946.4	682961.7	437938.3		8
2582401	1123923	2834846	2545418	892631.3	693557	[827][M+1]+	218
3840742	2586544	3729368	1629928	2621883	766811.9		1
949686.1	570625.9	1086678	799775.2	756158.7	312755.7	[M+H]+ 36	28
480894.6	604153.4	299186	1038742	489285.2	655403.3	[M+K+NH3	185
8190506	3967570	3943637	4197198	12150456	2492591		1
11720893	6345884	1279144	7257418	5380887	7564321		372
3625964	3661969	4317274	8674668	4721338	2962163		385
1706537	1360644	1296074	696768.3	9106365	3051074	[69][M+1]+	1
776254.5	1694005	761663.1	844602.2	1407199	0		2
2868999	3400339	3490627	172715	891861.4	1103786		4
1291429	1008730	923137.8	873150.6	823229	630444.7		497
71909552	69406452	49501699	71607618	68648790	27961095		2
283363.5	679101.6	359430.8	100227.3	179480.9	654723.5	[M+K]+ 58	18
6221234	9024134	4279471	4951463	5620226	2234733		3
1059742	1052793	1180564	324972.2	1305487	809686.5		1
5375626	5852130	4627858	4516000	2473374	5906655	[1114][M+1]+	134
3278062	2169895	2987733	1504717	2232656	121948.8		1
7776408	7470523	7825957	6888465	6014707	4218284	[682][M]+ [M+H]+ 40	44
21629585	3569610	4256810	3693576	24116274	11173230	[M+Na]+ 1	15
2883051	6848780	4624114	1700701	4998252	5302677	[M+Na+NH	6
4177246	3298144	3652524	2620716	2465314	487842.7	[690][M]3+	58
3269809	3491465	3742556	2789959	2566118	2289796		246
768721.5	2369046	1332018	183394.5	519402.6	1540791	[3M+H+Na	18
19085353	3598705	4386658	2540640	25921354	930043.9	[M+3H-NH	11
2451910	2435338	656862.3	2390742	996266.3	890565.8		80

7073501	5142214	5635607	4778482	4824824	4331684		2
0	390583.2	68956.9	15658.93	36452.65	147268	[1469][M]3+	18
27087432	32248769	26671750	20472216	19658725	14388618		1
206131.4	434118.1	293596	360774.9	171130.6	381825.1	[1590][M]+	366
3017024	4215809	3865089	1276497	2627158	3500320	[1280][M+1]2+	1
324297.2	176738.6	153879.8	306018.2	231949.4	85832.99		168
1785844	1734256	3021920	972523.5	7457179	1905566		9
2890792	4443510	14370614	3685974	5532049	5992864	[M+H-C2H4	93
5976649	19566204	8166643	5400052	5677829	1881522	[M+K+NaCl	15
2530096	2260719	2008446	2338282	1678876	0		2
16943574	7038748	15942910	16163214	5882146	3940901	[1464][M]+ [M+H+NH3	220
12628171	5528055	4205251	6290703	10642558	2456224		1
39655246	39392040	40988791	26014789	28640076	11406354	[420][M]2+ [M+H+Na]2	12
11961559	1715243	2580340	7913821	8459596	4131922	[M+H]+ 34	3
6341111	3333859	2743062	4080319	2608588	3128870		3
1607495	3491926	866713.3	3060269	3379307	1029070		1
28189263	30310405	26240520	20115814	18552657	13850101		1
2561663	2698921	2272925	1960210	2627648	1780937	[8][M+2]3+	9
1449848	2092112	1611509	1400342	1174127	1282154	[1379][M+1]+	299
702140.7	0	579484.9	376436.7	504664.6	723218.7		9
2958530	7002066	1002378	21354541	3903098	3526891	[3M+K]+ 2	93
413851.2	244568.5	375978.2	419191.5	276632.9	137567.3	[954][M+1]3+	134
6155993	2289854	1233745	3348207	1987167	377142.9	[M+K+NH3	3
263824.1	289303.5	87605.86	228067.1	161914.4	14697.26		65
2063806	1852768	1834832	4429894	984356.2	4928842		2
3794541	1651042	3670606	2471448	2731833	0		2
2.16E+08	2.4E+08	2.36E+08	1.74E+08	1.49E+08	97314482	[794][M+3]+	1
1829104	1204921	1766776	806352.8	1037022	621075.6		1
2260891	4315111	2807896	1832839	2948625	1584334	[M+H]+ 73	16
5567705	5142904	3658910	4283489	4666589	2020687		9
1.14E+08	65044259	66772810	51795017	44577877	40984705		1
1081659	198195.6	324910.4	261667.7	249718.6	0	[525][M+1]2+	200
720165.8	767931.7	12063195	32635430	1230872	4815182	[153][M]+	118
1417751	1420163	1344327	1481021	909627.6	1843760	[M+Na]+ 6	150
546812	1452911	2100161	1935724	883244.9	1007313	[161][M+1]3+	9

321280	594882.9	2231687	2202967	1995553	1512499	[251][M]3+	24
380015.8	517840.8	1136252	1119340	835380.6	1695902	[1278][M+1]+	130
6183972	563087.7	363617.7	1150849	590174.2	649398.7	[651][M+1]+	127
11963384	6782419	0	10461721	6607802	5596037	[760][M+1]+	90
240160.9	230973.9	243026.9	74988.49	97544.99	71708.05		77
139460.2	302815.1	201859.8	215113.6	191416.8	121992.4	[1379][M+2]+	299
1209253	1021172	723070.2	1073090	366885.8	324075.5		134
461207.6	726462.7	720546.6	445530.8	429323.1	778193.9	[1125][M+2]+	89
7380421	9037197	8249219	5602160	4917710	7677877	[M+H]+ 36	20
3126852	4630152	6708218	3014436	3264470	2541122	[3M+H+Na	356
74355394	66973468	67595754	65413508	61266537	20151808	[M+H]+ 57	13
3129956	2709411	2289978	2417369	2998103	302807.3	[M+H]+ 79	14
133507.3	651708.8	548245.2	326949.4	237396.6	856290.6		4
14831892	16158744	4733540	8292324	17411847	11611100		11
8691509	11862334	11843916	5824528	8383969	633268.3		1
1332713	1763887	1109945	1172153	1394051	653413.3		9
2820552	2279398	4301398	2920319	1191113	549634		1
483945.2	378977.4	334425.7	452887.4	171946.1	136138	[1073][M]3+	51
7935038	13716554	14028781	6361468	7367811	2743420		1
1386383	4277228	3270772	2086989	1693778	1015604	[3M+Na+K]	38
2776688	1713343	2621715	3342881	3299531	1380766	[87][M+2]2+	1
2131166	1987379	1730367	1605981	1928354	1309987	[63][M]3+	4
1712517	23013894	71402194	1683559	2115460	14742681	[414][M+2]3+	2
2450083	2947375	1275785	1898149	1622639	1045098	[M+K+NH3	56
4196298	3166866	2337283	2976471	2860835	477648.3	[242][M]2+	9
1294648	906397	3510169	1420498	3720093	3046588		69
8310892	10347767	9618413	7365280	9376793	6249168	[1577][M]+	9
22309774	32439987	16016140	18703618	40118485	65495497		2
3885941	2496911	1434874	2279328	1618541	1802344	[223][M+1]+	152
539142.4	174207.4	601902.4	548284.3	245805.8	380029.1	[M+H]+ 71	35
16823776	14372504	15116359	8903168	14071074	4965897		1
1817165	523785.7	1849916	1559647	1354782	1635633	[1608][M]+	7
762512.7	1364879	647321.3	617325.5	1562902	3498792		1
1467021	1088647	1510399	955684.2	1301838	521272.5		1
598816.5	76413.73	116459.8	430573.6	150849.1	273847.4		9



7754417	7436916	8912009	4131523	2032719	7230009	[M+K]+ 358	11
1532516	2643086	624383.6	332845.1	1703137	148944.4		1
2531175	4218843	2580644	2555255	3016523	1913762	[335][M+2]3+	2
489724.1	889907.9	511268.2	401264.7	575699.8	724440.4	[M+2Na]2+	8
4677660	5252564	4427258	4359794	3446997	3071113	[386][M]+ [M+H]+ 338	112
1982038	1053959	1773879	1604367	1073721	1125518		312
4787796	3441248	4148203	5021255	3861511	4552006	[M+Na+HC	257
2030106	2006614	842021.8	1693258	2090202	957565		9
1403589	1969446	5604275	3852593	4408382	1647859		4
533842.8	572658.7	653725	324031.3	233417.5	0		46
2.52E+08	734035.3	2.31E+08	470745	703500.9	2.14E+08		32
1369100	1089610	1510298	1071453	804593.1	1257352		9
1120268	923708.2	1147811	317487.9	422179.7	816254.2	[M+Na+Na	25
1295953	6198953	4830771	5032982	1056068	3090222		1
8186435	14089029	10767868	7387131	9953676	6258846		1
447607.1	257560.6	607552.4	319578.1	372920.7	104346.1	[M+K]+ 786	28
1429514	1570354	1468281	1227733	1121745	948005.6		394
1935252	1967170	1839880	1774377	1448962	957534.8	[3M+2Na]2	42
3263367	2205283	428771.8	1071714	1447154	1739099	[127][M]+	99
431519.3	254395	38316.19	185048.8	153552.2	78583.55		124
8911944	4959231	11255892	6977447	7408726	1965990	[M+H+CF3O	28
2178973	1589121	652853	668217.4	597325.9	329154.9		39
1176267	2384956	807160.8	1625406	1507095	907326.8		4
6393956	9930921	8791397	5005151	7160346	6711768		1
382611.1	380281.7	106909.5	313513.6	228466	172226.8	[1232][M+1]+	210
7276213	9086966	6289663	6805230	7048750	5305802	[351][M]3+	2
2614078	6921198	7087957	7265923	7152579	11582938		241
448212.8	417583.1	416496.3	351871.2	474737.4	231491.7	[1563][M]+ [M+H]+ 108	169
644910.3	0	259213.7	577772	444909.8	436416.1		9
1494298	1837604	1425738	1030297	1474820	1207353		9
178756	255962.3	145806	118186.5	217209.2	327195.7	[1511][M+1]+	328
6397353	3169067	5406712	5121344	4473228	686693.1		2
16703592	14599322	15083110	9006967	13932680	4919793		1
1285263	1610692	1387100	8551193	1004109	6370601		29
3394651	483021.4	3294194	508843.9	2689280	2232171		93

434806.6	945699.1	1369419	646919	1050912	645304.2	[1537][M+3]+	33
12891357	5612471	4429782	6492392	10493733	2318236		1
7529515	6254479	6947150	6952335	5098334	2743591		2
1464201	1008086	823927	921546.8	1869603	235394.8	[M+2H]2+	15
8027102	7729362	7681001	7088512	6496291	4127605	[1269][M+1]+	62
552424.8	360216.2	567233.6	650475.8	326298.6	308263.8	[M+Na]+ 4!	42
1156648	1793953	1007530	166461.7	1478657	913269.5	[M+Na]+ 2!	20
83069.23	674283.9	299908.2	96392.13	601655.6	0		1
934671.8	555068.9	1259513	765759.6	152139.9	1083770	[886][M+1]+	218
366185.8	0	493001.6	376810.9	580978	285148		89
910076.9	883817.6	833245.2	574745.2	741176.4	623565.6		4
9493390	9038075	9406534	8585807	8396949	9161651		4
864817.7	500649	360880.4	261984.6	707984.4	159318.6		91
2530751	1954132	2028613	2354394	1568129	2200226	[1046][M+1]+	150
2438153	1274801	2084503	1867267	1.22E+08	1.64E+08	[390][M+1]2+	2
3114141	2898403	4704887	2982568	3979029	4439149		428
9880894	9975958	7563184	6290559	7689197	11432438	[1198][M+1]+	6
48410438	35986575	38880006	40274186	38695689	3335273	[20][M]+	2
11015504	7962981	8778967	8311133	11217789	7237371		9
253786.8	304317.5	125880.3	282970.7	0	118782.5	[1443][M+2]+	44
708391	799350.9	752441.1	735667.3	871317.4	1312669		7
1459954	2337921	1312499	187614.2	1514849	995568.8		20
6051840	3592610	5260133	3140419	4739640	0		2
866386.4	1885414	1020229	948708.9	1619549	1320102		9
1432771	1460323	1393567	906465	1060165	747389.3	[592][M+1]2+	4
16670635	14736391	15193404	12423520	12378533	18290563		308
1681153	2265384	1658184	881980.4	1770304	1333457		9
33457.99	90444.55	14780.55	108780.1	210334.6	53027.97		83
2317070	2863433	3037531	2514580	2659412	3662934	[M+H]+ 4!	14
3617054	893825.7	1409342	1427056	2024350	826482.1		1
214551.3	531769	421835.1	51062.42	321778.6	1194941		9
6917586	14496850	6297174	9463838	6513614	4770472		435
1130327	992304.5	581473.9	200134.3	893505	559075.7		18
3533746	589089.7	4489211	3056683	316614.5	661852	[185][M]2+	4
301192.1	333602.4	124009.1	176607.2	114209	327147.5	[646][M+2]+	125

508622.9	536182.5	502275.4	548058.4	470295.6	312250	[3M+2K]2+	24
1512555	1601452	1881690	645606.9	1229958	0		1
5091823	5017207	4871497	4727159	1618592	1083983		51
465437.6	867675	650684.1	760785.8	601839	693974.4		33
1160534	1622701	21481483	22940353	1442832	1004347		9
1487431	1294258	1540964	519027.5	886319.2	432471.4		58
6736074	1329887	4439396	5555728	3153002	0		2
1525555	1211686	1897015	1323937	1516914	725840.6	[M+H+HCC	62
4532112	199132.1	2347657	4673030	3818254	0		2
233547.7	374590.3	165809	166380.7	189507.7	273047.1	[M+Na]+ 40	342
1092469	751496.2	1498120	801263.7	505977	2216730	[561][M]+	256
6978829	12068914	10783718	11572636	11036129	3041693		226
498621	918349.1	2153389	1313704	1059270	936189.7	[37][M+1]+	1
1688234	3377404	7738410	1853187	2144317	14499437		14
2980870	1831475	1771927	2526938	2664996	1282270		2
492021.8	877268.7	428201.2	1046065	780627.3	539009.2		9
10126096	24191379	46165224	45632512	44400269	32403094		2
149297.6	94725.45	26406.81	23972.38	105559.5	0		124
5572777	5088639	3813619	5074835	5202080	1804207	[M+H+HCC	14
0	918784.1	1884744	0	659432.1	3367642		2
1233628	1077795	983339.2	882707.3	1045904	530468.5	[484][M+1]+	4
3490714	5024515	1322102	2258045	5709813	2344787		1
668974.3	1275134	907918.1	627518.3	942006.1	1318399	[3M+2K]2+	29
388181.1	306410.2	627439.3	0	1221722	726031		46
2041025	2395953	1929317	3146854	1466269	1329687		97
983070.9	922455.9	5666761	2281469	1101482	1614155		9
1748836	8813847	5270570	7229895	7356898	2634061	[M+H]+ 20	11
6309903	5501112	3980829	6257564	8315264	732138.6	[M+Na+CF <sub>3</sub>	314
385069.6	144149.9	275067.8	340288.8	107206.6	289898.9		440
208967.5	221266.5	0	120474.7	186115.9	62293.65	[1541][M+1]2+	110
2965295	3477594	1602739	1405536	3688419	2046636		2
16181030	7885812	3929129	14125551	8030069	1771492		2
2795418	2473111	2506742	2434930	2565249	1598751		231
352915.5	679343.6	283943.3	251484.1	588823.2	1174080	[M+H+NH <sub>3</sub>	8
1726945	1362484	1690705	754865.1	1513289	0		1

48318760	35933306	38904156	41407327	38396228	13374130		2
36804044	31882957	37707910	30083829	22492847	5268582	[839][M]+	1
1584614	1211215	1288569	1158910	1304046	687308.5	[1412][M+1]+	166
2125716	3570090	1090665	1508979	3970850	6455686		9
8227563	9705111	11188579	4857954	1.89E+09	1.32E+09		1
5200297	2708071	3378792	4066623	4995766	1490572		1
294293.9	4224897	3012187	2919985	3612940	2671459		398
477579.8	33514.51	390029.6	634418.5	625659.5	410647.6		9
1369634	1153474	865853.8	1011334	856922.4	905283.2	[1438][M+1]+	235
11644992	10063048	11442548	5557590	9132374	4239812		1
1101889	1387724	907558.6	869122.7	279963.5	229827.1	[1476][M] <sub>2</sub> [3M+2Na] <sub>2</sub>	35
35462678	37110662	30702611	22925077	30365295	45965427	[1198][M]+ [M+Na]+ 6:	6
9674103	5846318	6021371	6341751	6170281	6345985		333
1143308	749622.7	59095987	38180238	1328169	1338333	[M+H-CH <sub>4</sub> ]	33
14037535	5237052	3764103	8345137	10149648	1766530		1
969259.7	979522.9	1087149	671883.1	789928.1	1074760		4
828731.5	887916.3	969030.2	1202519	817110.5	338195.8	[1026][M] <sub>3</sub> +	16
1733130	2460898	58675030	54001839	1.76E+08	1.51E+08	[487][M] <sub>3</sub> +	29
34123733	30161754	25527041	32181996	29349204	14384081		2
432392.1	94208333	97622507	61316022	330839.5	1.97E+08		50
602836.6	251968.1	465238.2	516210.5	324231.7	63236.57		309
1825638	1896421	7159230	10603106	2398622	2488476		105
1249028	877099.8	618204.6	155610.4	821206.1	533170.7		18
3019344	1380765	2858693	3179390	1198873	812470.1	[M+H+NH <sub>3</sub> ]	351
33927736	452329.7	29739465	35087001	27120117	5944073		2
559992.5	674807.7	551993	471106.5	589810.2	298468.5	[M+2H] <sub>2</sub> +	98
2905652	2869788	2408982	3046569	2759717	851158.5	[1339][M] <sub>2</sub> +	62
2697972	467395.1	4843051	1129073	2122498	1796385		6
2843604	282839.2	2391783	1915015	1182709	2678660	[3M+2Na] <sub>2</sub>	12
7688107	5614375	8743205	8540564	13251172	2289952	[102][M] <sub>3</sub> +	1
2609988	2652988	1084042	1511410	1785507	1466256		4
51776829	49673503	44665985	44223910	50680127	60240804		2
220672.2	184646.5	265092.4	157386	40875.66	155367.6		147
3085011	2431486	292267.7	785586.7	1331760	1494089	[450][M+1]+	99
534134.4	778494.5	74606.34	433225.7	390733.6	115824.3		81

15855962	10180629	12090931	12030290	8892183	1007755		2
5323921	5011472	4242114	4104479	4894168	1374878		2
2937295	1865106	3517811	2768624	4325299	711060.8		1
430302.2	199348	110308.9	156226.5	192515.9	285796.2		23
439619	489049.1	341644.2	270882.1	330279.5	208793	[M+H] <sup>+</sup> 38	5
651506.1	994855.4	692208.9	232940.5	462497.5	0		81
2365305	2679891	2087688	942371.1	2740883	1787179	[1514][M+1] <sup>2+</sup>	38
6594057	5564324	12362919	8891328	4954637	7199578	[370][M] <sup>+</sup> [M+K+HCO	268
67699.33	46919.21	183752.1	318472.3	68589.95	66391.17		118
4174458	2878201	3740001	3117610	3513477	1849949		154
4017876	3703967	2804965	1677353	2548574	2152869		4
5407542	1475997	3948819	4065925	1847892	6752793	[M+Na] <sup>+</sup> 4	29
3697810	2148363	1878957	2576266	4302868	3198414	[M+Na] <sup>+</sup> 3	3
8567202	9348648	1900227	7508924	6783948	8268302	[M+H] <sup>+</sup> 14	15
308286.3	289537.4	345266.4	832776.5	355881.5	994768.6	[378][M+2] <sup>+</sup>	33
274974.6	132030.7	188906	241993.6	213352.6	92443.14	[1401][M+1] <sup>2+</sup>	16
690708.8	2257722	18865860	9900725	2575715	5456434		15
923009	248976.5	1097997	823807	747730.5	585606.5		9
2849078	0	1921429	3025926	2681353	704219.9	[M+H+CF <sub>3</sub> O	14
1116550	344236.3	1178882	972956.4	1907521	1870990	[M+Na+2K	28
8294022	13865054	2224093	5791422	14308646	8634755	[M+Na+3K	3
432223.6	578191.6	7437326	2443561	4159392	8108271		1
1808017	607305.4	2059705	1692738	1961335	0		2
7139564	57973224	6766505	31318995	7017907	16470756		3
998332.1	1479003	4672985	624839.4	742639.3	3976474		9
166054.6	101642.7	345977.3	323068.4	271410.9	248873.2		87
8564340	9898718	7765911	8505167	7195543	3206144	[355][M+3] <sup>3+</sup>	2
435699.9	428500.5	1119828	1485146	494671.1	9770800	[M+K] <sup>+</sup> 31	46
6409286	3536016	4672201	5385578	4074617	2780570		2
11445659	533899.9	669682.4	1401581	670927.7	147616.3	[637][M+1] <sup>+</sup>	127
187919.8	218483.6	5840929	424220.5	781847.7	10509204		161
661687.9	346452.8	541488.6	542065.1	480900.9	103722.8		91
6103118	2542196	3826572	3966306	4646085	3726506		420
216209.5	479333.2	217124.7	16566.32	208475.7	520959.9	[M+H-CH <sub>2</sub> ]	18
531333.7	757164.4	1633542	2172987	1020112	182738		56

6402389	3065064	4457132	3998360	3101539	0		2
24213321	25503822	21251863	21237669	24540363	8547041		2
7751872	4779920	6777081	6210066	7926627	2460676		2
338555	432336.9	651789.6	459859.7	327855.4	190333.9	[M+H+K]2+	43
2034887	1158959	1423674	3124083	1989964	816326.9		2
3676157	6592743	2667724	4056437	1707743	1613737		2
4938835	4880230	4006049	4932697	2369564	5391645		57
14223938	12806055	11129663	14133428	11446857	6793757		2
62125369	38617650	39981275	38039546	40967175	32712719		167
36564368	9136145	6088892	14392622	15669352	8485907		1
366558	619022.5	535212.4	636267.8	455914.6	395750.5	[M+K]+ 786	134
515348	1.14E+08	649474.9	1.39E+08	1E+08	194360.7		61
3555493	2864545	2974002	2230132	3492347	3319740		9
1820907	2123704	1671251	1925577	1427165	3021410		9
4875805	5903716	4299141	4409518	4679940	5354847		201
1880516	2466512	1892852	1348721	1750825	1035383		9
1751413	2396326	4565070	2018742	1670256	6382442		46
86388058	65507108	79814853	71820722	42157267	29760380		2
1805863	6844815	6761995	1965687	3464082	6046134	[618][M]+	9
585915	999867	558829.7	727511.1	926698.1	406061.3		32
6539773	14576051	9347266	581315.2	12658246	1717615		1
5238360	3639790	1811316	3932664	2776312	601938.3		1
1104565	300811.1	0	334024.1	703110.4	0		1
188248.4	210788.9	226846	205337.9	85426.51	73243.38		61
6429291	6050438	5672251	5264059	5175245	6775552		2
10322646	11833991	10887660	7926001	15456568	10261334	[1029][M]+ [M+Na]+ 5	3
5677199	4852183	4728163	5115803	5184720	4985474		241
3099587	4355470	2289501	4969728	4654653	4326892		337
8709938	1181501	591872.3	411302.6	598017.7	7921871	[923][M+1]+	101
2626945	6619250	7015705	7123255	6991614	5188903		375
1098088	912034.5	3474475	751331.3	1416637	2408209		9
298073	213348.8	129551.5	248927.4	147170.7	91660.36	[1334][M+1]2+	16
4095917	4189986	2740994	3095377	3184238	3979673		14
3583850	939242.5	6149613	1220445	2366378	5049524	[M+H-C2H4	15
9.59E+08	3708212	3704384	5.56E+08	1.12E+09	2400923	[M+H]+ 43	15

2724108	1807182	2699553	3235057	2948711	588919.6		418
580974	1103255	685725.4	221479.9	626522.8	239012.2		3
617405.8	659481.1	593724.9	246382.2	640457.5	546010.4		89
23689853	20967220	21222083	17689574	18204001	11277947		4
16455376	1886879	23592766	9768410	31213017	12783318	[1136][M]+	2
2485728	2384150	2483030	2596648	1890624	1982822	[1327][M+1]+	150
1331085	465194.1	672164.4	705843.9	1027608	215255.4		4
8923962	4226162	11207157	9695193	9935296	4584852	[M+H-C3H:]	6
118680.4	19964.37	144497.1	180816.6	104050.8	121529.7	[M+Na+Na	42
3465237	2197575	2395148	1038023	2086780	1060289		129
2551934	1558242	2055250	2712022	2158786	468267.9		2
6388787	7290679	6083264	5597399	6828753	3368657		2
1202769	781918.4	905749.7	423065.5	848863.8	414583.6	[1582][M+1]2+	12
86119010	67320883	75678436	81488503	58781428	47958103	[328][M]+	113
3027178	2670811	2783267	4003618	5227977	3879848		333
6.16E+08	8593334	5E+08	5.35E+08	4.81E+08	2.37E+08	[91][M]+ [M+H-C6H:]	6
1617994	1266873	819671.7	943500.7	1522302	895519.9		7
6322121	3238883	5261597	5051531	3152585	5023414		263
3461643	2762035	4893593	4080858	3784144	4255611	[639][M]+	9
4787596	3344752	3239081	1016116	1825591	185982.6	[343][M+1]2+	169
5615360	5588497	6166952	3595285	3080075	987462.9		9
12510915	10612037	7148115	9703634	7027947	7280908		1
11167655	652987.9	1659597	10384592	2388357	9154627		310
0	374659.7	71388.85	24249.61	42261.42	173601.7	[1435][M+1]2+	18
3944166	4177940	2826127	3995487	3730614	2724463		372
3.09E+08	1.22E+08	1.42E+08	1.03E+08	1.1E+08	79959450	[1252][M+1]+	16
83257763	85448179	56661122	67022030	68504746	49614750	[626][M]+	119
452131.5	85213.78	113087.8	99479.97	203706.4	192631		384
720203.2	1037800	1104061	960763	913125.9	685893	[680][M]3+	112
6430377	6666480	5924815	5987702	4927584	6096729		226
805098.9	2944382	1123602	200833.9	544790.7	1446459	[1483][M+1]3+	18
1648058	2178599	468083.4	435870.2	913797.2	1575830		4
5053516	4953876	1952217	2182661	4961530	4150758		1
1136598	1832065	1066116	1121695	1257275	1224927	[2M+Na+3I	134
3291819	20454962	346180.9	3475120	7508815	6475878	[946][M]+ [M+H+NH3	20

2839010	559614	869352.4	565446.3	2421108	339937.5		4
7036746	11496439	11519839	6184136	6222224	4245154		15
341471	207756.3	461328.2	995311.5	471129.7	172464.9		129
869994.4	1008980	4235287	2037480	991827.5	1470738		118
1493691	4263058	1062314	411613.3	2329847	815830.9	[M+K]+ 50:	15
595825.4	585081.9	1440564	4059996	914833.2	2393853	[180][M+2]3+	9
8913119	6307808	5907611	1950504	8896946	871157.6	[1280][M]2+	1
54445.12	436713.2	171406.1	19302.42	200015	523661.5		18
388515.3	339377.9	492535.2	188219	370276.4	200393.1	[496][M+1]2+	42
1581048	1827888	5909056	4394992	1717373	2357867	[M+H-H20]	110
3552135	616982.7	1726369	3089668	2288154	0		13
2777595	4363458	2799451	2677813	3477136	1904481		9
1739904	2124284	1856964	1632282	1407267	2312601		346
1162966	112956.3	1789557	944386.9	1342929	278089.2	[M+H]+ 43:	14
5114148	3724830	9162737	11852605	7038974	5684133	[833][M+1]+	130
2030192	1817912	1983578	1435519	873273.6	511276.6	[511][M]3+	4
534717.6	369041	481231.3	401039.9	325484.1	78959.35		57
2640943	3188418	50522510	68503802	963316.5	1687392		1
8696470	8478066	6851136	8275776	7796192	4789457		9
1143840	5207057	3545820	4087496	8820249	4175880		383
44290337	20950735	1433510	6347956	37729836	8873037	[M+Na]+ 6!	97
958797.3	1630276	632486.9	3039517	1666474	3268867		1
37446478	26887918	30208254	31065465	29870112	1186459		2
63614628	76490978	44562336	47606142	78334688	80246852	[1293][M+1]+	2
2637233	2437688	1146619	1604402	2264167	1517751		4
10422957	9839424	12140270	2787142	18357640	12022644		22
816443.6	1454208	2083243	579556.1	2107991	326046.9		1
450308.1	219688	1345739	950204.9	536820.6	939146.8	[1489][M+2]+	302
2874938	3459623	2370785	2575815	3418422	2084304		2
6790811	7891458	4060758	3384161	7455418	8682124		2
229880.4	310621.6	331198	333827.1	308654.9	184273.1	[1184][M+1]+	23
1697654	2154344	3210328	3955160	9229264	14505517		6
12139151	11941977	11290675	4128820	12882937	6145078		1
1955876	1600929	1572328	1782794	38597.12	1262112	[1443][M+1]+	44
6537748	4660390	3515312	4441452	8158738	3393673	[56][M+3]+	2



878482.3	1344494	1045423	5685107	1228290	4405078		1
1386865	3850667	5677907	700107.1	1810039	3791265	[M+Na]+ 4	3
955399.4	587850.5	463314.5	391724.7	308794.6	453235	[569][M+1]+	296
266021.4	195225.6	492884.7	566862.9	332555.6	435802	[M+2H-HC	38
331132.7	232990.7	297059.1	223665.4	177846.2	146521.4		294
6080578	1565710	1209855	823397.1	433204.2	3054698		437
4309393	623014.2	9197001	4124037	648438.5	835054.9		9
2156582	2976798	2347183	2293345	2389622	1329067	[1480][M]+	89
512372.4	1150734	1352508	919564.3	996620.5	0		1
1124048	3116612	4127479	4639606	2439811	1667037	[406][M+1]3+	2
1731743	0	1509584	1815108	1177600	0	[1607][M+2]+	2
16575091	14517205	15162769	8924764	14300269	5098025		1
9667862	3787740	2907143	2328410	2249564	8113942		165
756931.5	1656365	1003602	13408001	1748840	10518838	[675][M+2]3+	9
4.15E+08	3.7E+08	3.73E+08	3.32E+08	3.41E+08	2.15E+08	[661][M+2]+	4
1642563	835517.9	221088.7	1348482	494298.6	881115.6	[M+H]+ 43	314
18365783	24787962	22019801	25075441	610924	8179057		13
4927991	3334596	3636981	3603577	2772248	4555519		442
6454006	3908644	4480895	7316905	5846370	2304066		2
5489125	6705642	6628127	7079083	4743663	6595627		272
375945.1	134350.7	190170.5	252858.4	274731.9	368446.2	[1589][M+1]+	134
3594077	2427813	3069274	2851351	2641148	1050376		4
1019067	845132.7	898960.8	926309	801202	499098.7		351
10406881	5706462	10000078	9780616	5585109	691144.2		1
1578205	197476.5	1563778	1359006	889593.5	595616.2	[1617][M+1]+	38
1430769	1287211	1443938	723637.8	1301679	476201.8	[1085][M]+	245
446610.4	84053.14	0	890729.2	257568.5	132290.8	[M+Na]+ 7	12
2481599	211740.1	211369.5	834847.4	1995788	468425.9	[1179][M+1]3+	1
189155.9	195922.1	101465.5	193751.5	231462.5	157996		210
1853504	1260786	388690.1	769480.2	652873.1	44424.99		338
1125310	747896.5	1438481	966302.6	1140686	453026		28
3723363	4417689	3077401	3025726	3551411	4814840	[1125][M+1]+	89
1056521	933769.9	391454.3	774183.4	566541.3	74324.52	[693][M+2]3+	9
291927.1	257938.2	262201.1	271454.9	169530.4	258509.5	[6][M+1]+	287
1347470	1258598	969371.9	914218.6	1187106	558554.2		4

16622451	8492360	10113002	8274093	7328499	11253370		215
1194256	936251.9	0	779691.8	1525092	510873.9		1
1125139	1407839	361737.6	1139760	1115345	2884103		182
2990868	3256103	1995608	2248521	3059534	1479994		9
8282373	11897606	6276261	7200706	7928705	7126560	[975][M+1]+	9
48275787	46690389	23202224	39961138	55044673	40879775	[M+K]+ 55:	13
14004812	10343663	12215875	12363403	10307095	3568590		2
4147429	5183406	850946.7	2473097	1286488	3534844	[M+K+NaCl	5
5139989	2390974	5230061	5180935	1882844	1282145	[1464][M+1]+	220
15041383	6313547	6669990	9286109	17694470	1786479	[94][M+1]+	3
1097176	2054565	865218.5	1249001	1723189	4330523	[203][M+1]3+	29
33201398	29960821	38121296	28034878	12553189	10649269	[M+Na]+ 1:	13
11058624	2016817	16951470	12480389	1521278	10633280	[684][M+1]+	9
846008.4	1079850	611076.7	122420.1	540156.4	859525.6	[M+H]+ 62:	18
1287568	1314387	1182326	628464.3	932701.1	0	[M+H-C6H:	12
1489499	1929714	2489541	1246485	1454711	2589562		4
3639532	3481022	4104788	2528367	4010621	3104279	[2M+2Na+I	8
3458964	4685101	3690538	3452247	3586519	3255134	[1264][M]+ [M+H]+ 68:	86
3544478	510449.9	2058995	4293134	2660235	509415.7	[3M+2H]2+	14
6722245	4484463	1451371	4957215	6680726	3047167	[M+H+NH3	3
5986831	5761649	5567877	2505784	7215564	3037859		316
2496691	1355446	1885252	2571332	710130	0		29
607552.7	6227806	1486607	8263928	6361241	2921953	[M+K+NH3	15
461400.7	798453.1	1921687	465037.3	534463.4	1133987		4
853997	1774263	3368079	564211.5	1222079	4737669	[200][M]3+	9
3380907	3195478	2300584	2317531	3009443	1533907		9
4309331	4190441	4622940	6042568	3792529	1119502		295
2449632	0	825021.5	840191.3	1321789	1929488	[1161][M+1]2+	1
4085972	4466779	2480196	2287608	3024094	3727835	[M+K]+ 67:	81
749278.7	770475.1	837293.5	592452.4	799383.8	947943.4		4
198906.5	190061	192430.1	150484.8	173057.2	35561.36	[1054][M+1]+	44
12796826	8341602	9576706	11619972	8115843	3790395	[1295][M+1]3+	2
444516	1799404	1907292	408955.9	772131.8	3180347		9
4332458	5132118	31391575	34473886	3813145	2118689	[1252][M+2]+	16
3764353	6874464	5487020	3457174	4720400	888089.1		1

65577679	59135394	63396390	46679847	49398155	16483385	[M+2H] <sup>2+</sup>	12
5025529	4897583	4949883	5073802	4444656	1498281		2
875590	1117056	956316.7	853211.2	663218.9	388623.5		4
1470583	1215515	1388227	1433588	1547987	2193149		221
5898724	5323858	4584699	4810696	3865799	2750987	[584][M] <sup>+</sup>	80
222361.9	59436.29	0	61459.33	196760.2	11305.43		124
13457326	17657327	9474121	14315438	12211756	4925200	[3M+H+Na]	3
3456387	4279437	2989727	2648191	4227690	3648895	[M+2K] <sup>2+</sup>	13
851429.9	802567.5	375650.6	625416.4	451729	301988.9		91
1595906	2731929	2655910	1309482	2555697	3814039		15
423273.6	1223250	848899.1	4636741	677772.6	2442184		8
832856.8	610509.7	238053.6	8909215	9897532	602068.8		311
22192920	23767926	20506917	16757697	19500761	15406364	[871][M] <sup>+</sup>	118
881138.3	1383663	1255832	596887.7	748919.4	1031247		9
5152266	2118714	843094	1867209	2598277	1723322	[3M+Na+K]	15
593568.5	814130.2	2028074	1422979	501567.4	560231.4		9
3359971	2915380	2796152	13578696	1919957	7456288	[366][M] <sup>3+</sup>	2
10734219	15398491	1492137	9469730	10733922	9093059	[M+H+HCC]	11
3758238	4669276	3866423	9679743	2274556	15022064	[195][M] <sup>+</sup>	173
3143135	2671910	3086654	2038684	3257551	876591.1		2
1.07E+08	83255554	83179216	91246290	63631398	11915590	[466][M] <sup>3+</sup>	2
7608522	6171177	6252176	7738380	5584266	2730012		2
1601079	893272.9	1887788	996398.4	1192080	314501		1
6318952	6174661	3300843	3355837	5542431	8060298		1
17319843	16331820	15685331	16028690	15996700	15429800		307
680587.9	409374	1654424	431220.8	832537.8	170560.8	[1579][M] <sup>+</sup>	47
1641908	3623661	1833449	500739	1199696	2600335		1
9450414	18051929	16303568	8854293	9757877	7479298		15
59426299	45900818	49398272	53105591	24538304	6527967		22
24080767	19727533	25292994	18162936	13391234	6869711		2
440946.3	632755.8	705781.4	817607.5	664051.5	351217.2		327
1285316	2088649	2118263	2384970	1649438	1169887	[2M+H] <sup>+</sup>	13
3872734	4479467	3240528	1993348	3421602	5894379	[3M+3K-H]	6
19474941	12967417	16541336	18172808	11886713	3046758		2
7782493	11980619	10808041	8202267	8529441	5630977		1

36759825	19784117	4905910	24623602	9918789	2904292		1
150699.7	228630.3	230010.6	214483.9	111497.7	106374.9		345
4513593	2738321	3806071	3944591	3273665	0	[3M+Na+2I	15
903814.7	2894109	1762317	1253904	4126664	10771609	[3M+Na+2I	29
5751514	5153250	5860577	6773926	1003956	4429165		409
7325920	5011725	4512293	4811963	4663479	5660911		369
195651.8	152462.7	166323.2	208086.9	133211.6	103185.1		145
591582.5	1058987	341253.1	506171	643850	253161		146
3160563	2015988	2212762	1865194	2073060	1037450		2
11520499	9902924	11135635	6326789	9323332	4247729		1
13032984	15757102	11529140	11209275	12719415	10758558	[M+Na]+ 50	15
2890937	3297525	4496118	1988590	3557712	489175.6	[576][M+1]2+	1
3534524	999720.5	343725.6	348516.2	3614399	4666759		91
7357103	6186676	1042254	6459082	6082102	5717735		11
87224.18	403344.6	397235.1	269423.4	331593.9	472075.4		25
32012853	26901428	26516178	23144357	39399427	17637961		1
3288176	1278662	2864711	2540528	1779807	2928865		2
974751.9	1251852	531309.4	724410.2	1348499	1836714	[3M+Na+K]	13
0	790317.3	896191	218498.8	575995.4	573731.4		2
976132.4	412765.3	511473.2	1225849	494414.2	1039218		9
2478284	419848.2	743173.2	2300392	1890857	0		2
13123580	14616565	11001381	12699107	13659279	4757632	[417][M]2+	2
0	942830.8	415772.5	286502.4	629039.2	1294089	[M+Na+K]2	14
3136423	2980093	3020130	2885648	2824433	2853803		364
1093508	1259605	1199345	859938.9	882742.7	706749	[838][M]+	294
297660.7	531210.1	196096	99483.68	157105.9	210582.4	[M+2H]2+	38
115288.2	352504.6	67886.33	17892.48	78440.24	353133.1	[1469][M+2]3+	18
2081803	1036701	962861.5	1405692	875943.7	181107.4		9
99293065	1.04E+08	1.03E+08	82778223	90632141	79705976	[811][M]+ [M+H]+ 45	98
354014.9	272368.9	266074.4	350106.5	253663.4	169537.8	[M+K]+ 40	42
2656419	2684582	2273193	2754010	2865239	550098.1	[M+H+HCC	14
18806966	19322069	12234989	14222738	15057723	10310989	[626][M+1]+	119
4508070	4963641	4839943	2311316	4348388	2172713		1
3546734	2724746	2353012	3887659	3125892	1233825		2
12548647	12570998	10182379	12780963	11470005	9125839		2

8333710	7018012	5955608	7338795	9126239	6838194		1
820087	1178690	1023409	607301.1	1067529	523411.2		9
3297493	8177872	227597.4	2516258	1988660	5393267	[819][M]+ [2M+2K-H]	20
3711486	4387662	2808729	2374441	3192917	3164148		9
11765379	8974823	10286383	11045274	9121919	3075065	[43][M+1]3+	2
19453018	18056329	295075.9	15986747	26456439	77111628	[M+H+CF3O]	11
1562539	790189.2	1455883	716717.3	816181.3	751268.8		4
249276.3	69833.25	247036.1	207874.3	99193.29	104624.4		214
22237857	37153055	36934247	23202625	22966475	16495935		1
1037217	1264860	1027874	584602.4	769221.9	363671.4		4
1594121	237564.7	1109561	1018752	1147533	1915058	[1484][M+1]+	89
1287083	1036640	1467847	0	891879.3	0		1
1419683	7922927	3363598	2804658	3812318	4375966		1
11613693	11510886	11071693	8775267	7996841	6210481	[1267][M]+ [M+H]+ 69	12
8504024	5711998	7304653	8383626	10536050	6174699	[43][M]3+	2
1121915	9252297	2090350	6538006	7958614	13864199	[857][M+1]2+	3
4796934	4174495	5015452	4612612	3282564	4011586		434
3.67E+08	2.7E+08	3.18E+08	2.3E+08	2.68E+08	1.02E+08	[1284][M]+	1
4307352	2066454	2898885	4263158	4152171	3345876		322
7691225	5913052	6685394	3677773	7687524	1785113	[899][M]+	1
12809153	5675809	4235746	6679637	10639348	2532460		1
131101.6	87945.35	146847.6	131754.8	110268.4	45203.81		169
343377	436305.5	242957.7	159032.7	297798.7	89124.42	[2M+H]+ 3	25
2949258	2554064	4120165	4280584	2340722	4398885	[M+Na]+ 1	15
2881937	3923456	118884.9	12236002	3832002	2259920		148
1878857	1867803	1195897	906813.1	2718286	686456.4	[1582][M]2+	12
6928158	15161623	8495084	10271684	16751027	17739146		2
1758170	2160106	1934609	1902248	1718213	549267.7		9
815195.1	0	731339.3	474550.3	488226.6	0		9
7529528	5965822	6558679	5963649	5411219	1170819		4
153617.8	99448.09	364771.4	1118108	87003.57	343167.7		207
9073736	12857526	11730990	5625751	8907762	657427.2	[480][M+2]2+	1
4294821	4589158	3165221	543333.5	4639032	2794520		333
299115.4	293471.5	229571.5	76636.23	194966.9	171242.7	[1158][M+2]+	227
391015.6	100860.3	0	0	409690.6	96430.05		48

39814281	1405545	2502041	31181237	1953994	12286252		2
6005642	2438879	5651657	3349192	3845089	5354569	[537][M]+	160
161382.7	212261.9	198684.7	264158.2	158447.4	76175.46	[1073][M+1]3+	51
14624277	9139020	18924112	10917402	13364589	6834647		215
861155.8	0	1305048	90708.03	406486.7	0		1
1838749	883492.5	3162109	1888758	2672345	250847.4		1
651248.6	671575.9	966797.7	930790.7	662167.7	511887.5	[M+K]+ 81	16
310497.7	301438.1	468413.4	652986.2	202687.2	407159.7	[1496][M+2]+	83
1146406	806974.7	1723153	89788.59	461937.3	0		1
11413065	1200959	8502174	10146156	11104796	12069275	[1357][M+2]2+	2
9719723	8073989	7201378	7594481	9563245	3593309	[M+H]+ 21	13
2.64E+08	1.1E+08	1.09E+08	1.65E+08	1.91E+08	55720948		1
0	669677	159660	0	158409.7	432580	[1479][M+1]3+	18
5678903	10493134	4274543	6641948	5407678	10742869	[1233][M]2+	9
3822536	2070430	3753204	2864270	3494177	3541494		121
327688.7	818848.6	1011025	2576259	705743.2	2949961		9
11181389	10466297	7441324	4670162	10779993	1355041		1
3127493	1634818	1204995	911276.1	2878098	2084020		1
5297055	8509408	4976644	2579359	3537993	3390789		18
676813.9	714285.5	794996.4	686770.5	604103.8	2104052	[M+H-COCl	8
1162261	1924716	1685607	1095203	1200153	2029048	[1218][M]2 [3M+2K]2+	33
231173.9	221845.9	100841.6	156151.7	281879.3	193796.5	[1524][M+1]2+	51
669003.4	66693.97	608387.1	982921.8	660883.9	649693.6		8
418051.1	375892.5	384689.7	531551.7	385897	1272184		17
530618.4	712303.9	394026.2	508156.7	659546.1	431618.6		9
11669963	1050453	20988.73	4600255	2589213	12958.06		90
4318613	4376877	4728218	3736638	5524205	8251446		1
3653054	3798290	3211534	4932321	4141255	4507075		2
403952.8	790910.8	1547900	670381.1	352395.5	2195309		9
2539006	1479470	2774756	2424269	2802290	5314380	[M+K]+ 21	97
1249479	909597.9	1145578	521272.3	1533558	374573.9		1
2078802	2088931	47450661	1.19E+08	4904629	4007524	[M+Na]+ 2	42
25277500	18149241	13183595	21255947	23159238	7582825	[M+H]+ 22	13
227254.6	151977.5	105917.5	836182.4	157668.3	352787.8	[117][M+1]+	16
4843483	4617138	3944432	3477874	4369926	4577666		2

11840809	7807365	7228174	9921164	6786883	8131641		15
1134381	723728.8	599528.4	610057.3	594588.3	0		8
1692980	2006003	1385064	1065430	1795768	926642.3		4
413320.6	2935024	1364909	1174798	2198023	2141697		2
2860287	2963568	2800419	2787387	2582367	1466620		9
4233177	3126385	3893598	2959075	4931463	720397.6		2
21471086	19450196	24477840	19137469	15512681	10733149		167
1242763	0	131526.1	105037.2	1068195	146278		1
6239097	3442479	3528954	5123880	1700202	1122493	[1177][M]+	38
3931189	2845697	4122924	4428368	4173020	4620480		253
365236.9	320838.2	164614.6	20836.69	66911.88	414219.3		215
1033867	1040263	1128092	1349143	3083967	0	[M+H] <sup>+</sup> 22'	15
4082495	3943681	3450419	3424902	2557715	180487.4		9
224677.1	892487.4	17812.37	0	127035.7	695557.5		15
298752	125408.4	0	62852.58	205354.4	30420.66		158
937798.9	799451.1	555164.9	1170087	679985	220513.8	[1499][M] <sub>2</sub> [3M+2Na+]	23
4164329	3496689	13433422	4433844	2749473	4548219		2
2475383	1560000	1691067	347218.3	2321062	746432.8		39
908675.7	69734.38	769487.3	549483.8	746508.5	0		9
1590240	1558070	1205575	805684.8	848109.4	1993594		4
2893170	2481566	2389231	2501534	2317407	1228457	[475][M] <sub>2</sub> <sup>+</sup>	4
675385.5	766898.4	735842.4	520426.9	543594.6	185473.3	[M+H+NH <sub>3</sub> ]	16
51048799	56367314	42948997	40684030	41255331	41322730		2
3639215	3089685	3721533	3184948	3808838	1133206		2
4784021	1804908	2957481	3585649	3024118	3806183	[1576][M] <sub>3</sub> <sup>+</sup>	2
29766881	24363820	49953365	61817480	40201638	33480715	[833][M] <sup>+</sup>	130
1944590	4713482	3886574	1426625	2781041	2844466		1
820691.2	916205.7	627126	756090.2	559605.6	579177.2		35
1212549	485620.1	120446.2	513505.4	1125214	497610.8	[534][M+1] <sup>+</sup>	1
4456143	4514842	1682013	5062704	3325653	4501368		256
2316615	1603841	675586.2	640666.3	1524345	1710141	[M+H] <sup>+</sup> 63'	6
1720282	1769779	1729089	1629737	968897.9	732774.6		4
2657096	935045.5	2310101	2017720	419115.6	1916206		4
206721	213069	207641.9	187623.8	174371.7	0	[M+2H] <sub>2</sub> <sup>+</sup>	35
12121164	14562061	11555499	13355682	11942816	4853222	[433][M] <sub>2</sub> <sup>+</sup>	2

872444.9	578998.7	491053	810149.3	365280.8	592776		4
14369597	13750143	15737187	12956962	229228	14133691		23
5296201	4495181	3835654	4583851	5106086	1459119	[2M+Na+K]	14
414787.1	330044.9	815584.7	468597.7	505275.6	595570.7		9
3184041	3153758	2749009	2916497	3839342	15809605	[1220][M+1]+	2
1660002	2116854	3703603	1622339	2183057	2229037		1
550457.7	1460243	992900.1	853675.6	173294	323174.3		391
27704413	30017557	23969017	22582191	26803220	13191298	[1150][M]+	2
1049537	1427387	1486813	1069658	860430.3	319417.4		4
123260.2	147638.2	48478.4	138447.1	181190.3	149834		51
15542882	19867744	13262143	12438991	13195257	16277030		119
1383387	1814989	3981941	3220633	5317120	2059103		2
470577	235920.1	0	31784.47	387578.2	91363.76	[1137][M+1]2+	68
122634.6	524320.8	234036.2	251272	471978.2	1432217		9
25853485	33236507	26621049	13800563	19216262	14697744	[M+2H]2+	20
378127.2	100493.8	722000.6	77286.43	256559.3	686307.5	[M+H-CO]+	18
8367584	8871125	2271178	4552872	9393783	5740737		3
21426460	29115126	3188009	19560493	21714270	20886343	[M+Na+CF <sub>3</sub> ]	11
917377.5	823393	735973.3	400978.5	173089.5	35988.79		67
68150191	580623.6	28818179	54715274	1529703	26715750		1
924635	867522.7	524096.7	840056.2	1211689	286179.7		21
3084426	3629556	2449033	3239545	2471806	2651823		9
1321072	1381093	1456438	1393332	886084.9	433659.1	[996][M]3+	16
417180.8	199417.2	8666475	16722206	484479.6	296359.9		38
9276218	13839774	15120867	7915810	9773720	5195765		1
1384691	1060297	311884.1	1002216	1251931	772515		1
25022253	8702327	10855116	15891563	16333014	2254902		1
1.41E+08	1.21E+08	1.03E+08	1.28E+08	1.14E+08	46970673	[3M+2K]2+	13
2228775	107850.1	4009433	1451871	2206889	1027519		9
23323342	23165757	22048656	18155377	19337210	12440695	[834][M]+ [M+H]+ 46	116
3633457	4335368	4050492	4316277	4108972	3789444		451
2992214	2892931	2680510	2961590	4346318	667218.1		208
1939162	1250574	2962905	1026347	2139717	0		1
13581709	22738921	17952695	20984740	20531050	15508038	[864][M]+	2
19013568	14226755	15646165	17025600	14285568	5126197		2



406628.8	830726.2	2013067	228748.1	661066.4	893389.2		277
1456598	1728173	487746	1316251	1192405	528009.4	[367][M+1]3+	9
6885091	8574524	7003593	7431544	8187900	14141349		2
8765159	875197.4	5203875	5627325	7893265	6872282		201
5922178	6518898	5797995	5384785	6473985	3546337		9
4887969	4778214	1083118	5015212	4483381	4047204	[3M+Na+K]	3
28207873	25401439	14764431	29633068	25987091	29283440	[M+H-H2O]	226
8440818	9581482	8517457	6962728	7606779	7438977	[977][M]+ [M+H]+ 53	98
5.84E+08	1.71E+08	4.93E+08	2.16E+08	1.48E+08	60811564		90
22789864	29253110	3922455	18940342	22223828	16321735	[3M+3K-H]	3
27724108	25461951	24725893	39515618	41629000	1.31E+08	[M+H]+ 43	3
1001208	1353593	1617724	1139421	918941.3	0		13
431038.1	453787.8	439156.7	322730.8	240903.2	202186.6	[M+H+NH3]	16
4534738	4759924	4903280	7774748	5012983	6149417		97
16391702	12275596	13482188	15045959	12774753	1773364	[41][M+1]3+	2
336258.7	232262.6	240434	389107.7	119780	286677.8		518
9848714	10196976	1532924	9143046	10214004	9744526		325
1367198	1874542	1505843	1061312	1764316	0		2
6777942	8939106	8198367	5856753	6886812	5260276		18
8829492	6717807	7709297	8070240	5453931	1540026	[394][M+1]2+	2
258295.3	207961.3	249232.3	328042.1	208985	50999.39		66
14149441	5543489	5542773	5714968	3026316	5654959		363
814302.9	1199446	1502886	633321.7	840713.6	1112083		8
3882636	2279946	1685461	1288064	3166181	3144745		288
860298.4	1571521	2090313	827022.9	12177462	4781338		8
2748443	1719426	2856956	1572849	2609558	1124512	[889][M]+ [M+H]+ 48	28
10962996	5856319	4926783	1765280	12807589	2760729		1
1023107	10586419	1460134	2790465	1339569	7078761		2
5304174	5393640	4468985	5380889	3658977	1050751		1
93063.2	47861.09	0	10681.37	113774.8	10873.57		59
194764.3	95064.47	242072.1	185523.3	216317.9	134199.1	[M+2H]2+ !	98
9326453	5584344	998066.8	7133303	2338305	9438407		11
274353.1	167026.5	196498.6	248642.4	168229.1	89194.87	[1088][M+1]3+	66
1181513	81811.84	481397.1	1096209	1046887	363333.8		9
10131214	5008665	4643475	7966415	5162949	536892.2		9

2028151	2349990	2123129	1621626	2039268	1775293	[977][M+1]+	98
1065726	1302139	1101723	828015.4	1021406	2023766		4
5141038	9092543	10078819	4609783	5587822	2388654	[M+H]+ 33'	15
15163484	5686212	2717477	4205696	1160191	2137892		114
883829.1	316819.9	256745.9	521824.6	701078.6	280075.2		183
3764504	3010172	3679184	3139295	3062952	2231077		2
6572048	3974940	5249676	5833678	3825697	972220.9	[42][M+1]+	2
2885665	4832430	4537719	3562931	4595222	3947796		9
736489.6	969896.6	877642.1	422106.2	725399.4	731484	[1326][M]+ [M+Na]+ 6'	86
438184	988138.8	514104.3	2845934	977564.4	3250396		9
8343271	8402938	7957062	8223133	8138115	7536323	[594][M+1]+	226
1519841	4459452	10923021	1933379	3095426	7789169		2
1002384	509396.7	452638.5	675140.9	726375.7	0	[M+K]+ 72'	8
14496767	12512318	11687498	14024790	10811419	3213950		2
2745335	2559087	2284251	1322437	2335279	1258707		9
2599464	937699	2109932	2167488	2587519	388636.5		2
0	678692.5	0	0	44309.49	439798.5	[M+K]+ 95'	18
4159518	3627132	2816160	2541815	3060388	3521320		9
35584966	10049980	12977740	9000257	29076296	7581905	[M+K]+ 17'	15
2083396	7360781	3483786	2205539	6579455	10723280	[742][M+1]+	1
3578488	3325300	3615982	4029308	3631701	4999140		265
6100221	3.47E+08	11612671	1.34E+09	1.16E+09	3.02E+09	[M+H+K]2+	8
919863.2	117242.6	1199845	700910.1	581694.6	0		9
224245.6	1360660	1405925	367794.9	613993	1247456		9
3193206	2294035	1646638	1696648	1682893	1218967		2
3452203	3145550	3050189	3133318	3892390	973202.6	[M+H]+ 29'	13
6459428	8576157	6923775	5606814	4961034	3478521		1
6172124	4402322	4347093	3516040	4612416	1590819		1
999153.5	1084111	677213.8	696675.9	932888.7	784840.3		179
3243628	455689	331610.9	147684.5	262519.8	597806.8	[705][M]2+	25
284385.9	557699.2	0	73782.44	227484.4	330955.1	[3M+2K]2+	46
1892782	1375968	3180293	1366857	1481185	721809.7		9
4289953	4116592	6171418	6528393	4682033	5146658	[M+Na]+ 4'	121
9377514	932806	10224963	7345324	589433	2323007	[26][M+1]3+	4
5781810	3371809	6383945	7541693	4921793	3050721		2

2141003	846722	1221814	867641.1	264157.9	14650.84		391
1422471	10233137	1602046	10183725	17642027	16589430		2
4370554	3932768	4670089	2266036	6371762	6411216	[3M+2Na]2	263
1860182	2357636	2001226	1547843	1849159	833728.4		9
155090.4	2325418	4039112	543025.3	306818.9	1125681		39
3641016	4817898	4609286	3651840	3161575	2916279	[1421][M]+	296
3238018	6240289	3219534	5185338	3378070	3241694		264
404526.6	310408.8	136336.8	160993.1	257076.7	170551.7		328
2626888	4907628	3639498	2084198	5066808	12753683	[M+K+HCO	29
1204878	1364957	753933.8	715653.7	1574946	683767.9		5
7692572	2723419	2585710	5770802	5368269	2275258		335
3245315	4136650	4341159	1503971	5025550	3405573	[1583][M]+ [M+Na]+ 1:	12
1690471	2493677	1613242	763051	1935680	4041321		155
2369006	3299925	1412180	2817990	1286088	323217.1		2
2183407	4307304	2711067	2129461	4862504	7343380		2
1511091	1598651	825373.7	829373.1	610824.8	978037.2	[676][M]+ [M+K]+ 369	72
725809.5	590984.3	811568.2	703574.8	558829.9	1181036	[112][M+1]2+	4
3357693	2944893	3548587	3398672	6139825	8133457		1
1189108	1139955	996978.7	372762.5	521190.1	0	[M+Na]+ 3:	15
14249484	13980564	13875848	11682764	10582314	8705352	[529][M]2+	20
14062698	11897292	10478200	11417181	10519071	6740912	[586][M]2+	227
11816707	8302114	9218926	11411464	8443509	2607779		2
45094667	2330243	29890570	31552741	55200762	14455437		1
7353969	60470277	39513864	30300570	1384734	67131474		4
248472.3	1075566	1201110	1152378	1134646	139608		61
6822285	2024823	2689359	2630445	2291999	2327431		267
4044644	6651098	3929599	4583236	3883719	3606876		454
1451246	1580393	1015906	1042702	677268	1138861		46
5322399	3375979	2451154	3187854	5407876	2398923	[M+H]+ 20	15
3091216	3610151	2796457	2192278	2700751	4351720	[1430][M+1]+	38
1315089	1113266	1693598	1267703	6630818	3851326	[84][M+1]2+	9
34030858	24535625	21556432	28802236	27086986	8828566		2
3340391	868173.8	752156	4389993	816217.7	746879.5	[M+2Na]2+	14
290526.7	204290.5	397567.7	520559.1	217635.4	123231.7		437
208951.3	205296.5	187056.9	176782	146179.6	123742.1	[955][M+1]2+	159

4410706	5342081	4813039	4380990	3407926	2959266		41
287812.9	294979.1	460606.4	425698.4	252750.7	266025.9		309
2365048	9820925	11264200	3798806	5463573	10052712	[1255][M]+	9
5839298	1210620	3572024	7608478	1391800	1627299		176
3572001	4982868	1872509	3007774	9269375	12388759		2
2648318	6355132	4288960	1015410	3952900	1943834	[1536][M+1]+	3
8021056	7877722	4951060	5561022	3548408	8824474	[1425][M]+ [M+Na]+ 70	38
11384515	6833393	11115857	11078892	9070734	1552868		2
1094907	498221.6	529527	1156522	786071	644280.4	[951][M+1]+	312
203400	1705306	550854.8	280167.9	1886590	2173966		97
3825753	1624916	4682923	1461605	4984469	3064137		9
995393.1	760674	460969	543372.3	568345.3	97394.53		69
529117.3	1196639	961018.8	414956.9	638686.1	1877290		9
1017505	1418499	14630098	854755.2	955904	6347821		9
1460146	1025254	855677.6	1176885	966391.7	79398.48	[621][M+2]+	9
80716321	81109332	74072012	67034947	65098598	47317528	[947][M]+ [M+H]+ 520	116
818829.3	807132.4	1016804	551850.1	458087.2	372513.9	[M+H]+ 500	57
451502.6	911081.5	958495	290904.3	224290.3	356719.5	[819][M+1]+	20
6344915	9582069	9962034	2729968	5491000	4337210		15
15330957	14188850	11655562	13477891	15904976	5071391	[M+K]+ 510	14
9716919	12057261	8577321	9732496	12729037	16380042	[1309][M+3]+	2
3193679	4247858	2842154	4686430	3219302	1142663		2
45430012	4035613	3474219	3217569	42594801	5681980		194
1971346	1308786	1572135	620374.3	1414195	506799.2	[M+H-CO2]	39
1246147	641594.8	398420.8	578368.4	1070682	379094.1		91
2432857	1716838	1388956	1668375	371008.6	569779.3	[1545][M]+ [M+H+NH3	62
3473591	6230043	3748985	3826194	4397660	3869159		382
1804111	1587167	769148	1927235	2205710	0		1
9394520	5300654	1436483	533864.5	349875.9	21926930	[M+2K-H]+	21
1900738	1243415	1584083	1616078	1082754	0		2
5188741	4475173	2092309	5258468	5268176	2436760		9
7409186	4970477	1049708	1141132	2079264	6619709	[M+H-COCl	15
1342661	688455.8	356186.9	582358.3	419363	350489.3	[M+H-CH3]	39
39843890	43474945	34146406	32226353	38015752	22187777	[1156][M]2+	2
2052643	2306469	393849.2	940976.8	1035200	2929268	[M+H]+ 190	29

10216261	10406911	9076714	8321618	8435822	4676911	[M+2H] <sup>2+</sup>	62
2917019	1733712	2796584	1393455	2102506	0	[331][M] <sup>2+</sup>	1
1133985	1144198	1710046	624199.7	842869.5	529725.4		4
3932994	4273799	15825509	6371346	3928678	6051552	[969][M] <sup>+</sup>	66
200162.2	81414.41	0	15872.96	156327	0	[M+K] <sup>+</sup> 113	217
1744434	180451.3	1038185	860922.1	931339.5	2147089	[649][M] <sup>3+</sup>	9
906543.4	620051.5	961275	1008068	844605.5	797296.9		340
1073532	1834960	337979.7	1378245	1706605	764201.6	[3M+3K-H]	3
8751722	6560159	5681704	8749703	7185605	4878509	[1212][M] <sup>2+</sup>	2
11591751	8520466	10788602	10629456	8087711	8482544	[1111][M] <sup>+</sup> [M+H+NH <sub>3</sub> ]	150
4214075	1515678	3535008	4242796	2638807	6230106		2
26307684	17627874	21936935	24140336	17394437	3692641	[46][M] <sup>2+</sup>	2
1.08E+08	29326699	19644703	23194526	3139078	89388452		84
960082.7	1023825	1159034	1736301	1559803	745244.6		9
246415.1	97751.9	10596.37	24234.7	311404	44048.85		158
41920.05	148057.7	4006096	1333559	15622.27	124144.3		30
4447586	5068569	5529519	5042560	5051454	2726749	[M+K] <sup>+</sup> 413	3
2739383	2128377	3232132	2184863	1930021	1423464	[1533][M] <sup>+</sup>	167
3854493	3430553	3899991	2991470	4066759	4198820		2
589930.9	860416.1	919517.4	679511.9	754601.6	1549562		9
1150999	706459.7	877854.9	627699.2	790606.5	390621.5	[1031][M] <sup>+</sup>	136
4998382	3903147	48087370	2793787	49876564	2767122		202
375815.7	189749.5	44079.15	47121.83	357728.5	53380.58		384
1223366	1307051	1124992	571667.6	1456179	198095.1		233
532819.2	771121.9	836355.7	525779.9	495254.9	730228.6		4
4643138	909178.2	913546.5	2643071	3426694	1703227		15
2235832	6210855	2026729	1670068	7063088	13992056	[M+H-CH <sub>4</sub> ]	97
9.19E+08	7.9E+08	7.14E+08	8.35E+08	7.96E+08	4.89E+08	[436][M] <sup>2+</sup>	2
6090037	6559628	7169352	4170091	4958233	1639585	[M+K] <sup>+</sup> 343	46
1039541	84462.75	1249393	1496454	1005706	248818.7		9
464480.3	159846.4	21057.11	13323.81	326518.5	46114.62		206
19573159	20019020	23667115	20439251	18925014	8871342	[M+H] <sup>+</sup> 213	39
3047183	4081218	3041549	2848109	3623396	1133567	[417][M+1] <sup>2+</sup>	2
1240235	4139509	7619727	2562910	2182003	2928765	[452][M] <sup>3+</sup> [M+3H-H <sub>2</sub> O]	18
385364.8	808724.5	1985855	1156573	547157.7	5276637	[103][M+1] <sup>+</sup>	9

3589872	17129162	3062755	2719162	37183341	86586363	[862][M]+	[M+Na]+ 4!	100
5381391	4436166	3411226	2834144	8122853	7954364	[1210][M+2]+		2
15865806	10358908	11550945	16907827	16397982	4700500		[M+H]+ 17!	13
7087880	6947141	6832578	5548577	91386.71	5516802			341
3898911	477137.8	344684	2917904	1485658	630014.6		[2M+2Na+H]	3
646688.9	634007.4	753305.7	394215.6	188794.4	0			4
1382142	1784056	3620521	4354792	1043436	13917317			1
155492.4	478500.6	1199786	541986.2	463372.6	1416461		[M+Na]+ 3!	51
4675797	623340.5	5730446	2908261	2924657	3106812			369
929062.2	1213071	1178421	1842768	3590407	1131980			521
2689924	5167367	1604663	2141884	3946916	8174052			2
453663.6	695009.9	428677.8	686610.8	361144.2	1100930		[M+K]+ 22!	116
1180910	6527568	5108608	3911141	3726797	7764952			233
7852244	8202533	6571501	5699923	2258518	8815240			20
15105277	3699550	3298282	3243200	4173297	7120866	[74][M+1]+		96
7393605	821210.9	1725688	5228965	1012109	3931893			1
1.09E+08	1.12E+08	76013909	93097287	1.09E+08	67901288	[1298][M+2]+		2
1346901	2356050	812154.6	2116216	3455230	1778631		[3M+H]+ 1!	11
3248877	394717.1	1085686	2211642	2170736	662069.6			9
1081884	1662684	804654.2	1779280	1531777	2795857			1
1839516	569623.7	440400.5	1047268	638616	10777.57			124
66093	122391.3	244086.1	0	165117.3	137324.4		[M+2H-C2H]	18
693589.6	1144730	7009737	17752896	460770.4	1010681		[M+2H-C5H]	8
2873114	2974810	2652027	1066337	2836320	2327590			380
3046092	3739503	1565894	2655762	3442077	592633.9	[145][M+1]3+		9
11766120	52279990	3464618	3605253	71971632	1.33E+08			251
3897065	3591879	4872215	3577398	3120024	2131458			203
3237707	2880880	2691603	2206580	2668194	214886.5			2
203860	627587.4	616907.9	338869.9	473862.7	599807.9		[M+K+NaCl]	18
12224848	10873019	10563774	8821295	9497199	6100456		[M+2H]2+	232
12208901	8594171	9776437	11628830	8874993	2873705			2
1849727	1462339	1552906	1634969	1816218	446287.3			13
144482.1	311940.9	171065.1	104137.9	497465.6	300219.5		[M+H-COCl]	222
700376.4	327048	1504316	882636.4	313304.8	553852.9	[1058][M+2]+		110
10741290	9485737	6447425	9861848	10509738	4219439		[M+Na]+ 3!	13

8494386	6155558	6014851	5861151	3195390	1293050		89
192587.8	1307056	395598.7	306869.3	556340.8	2197949		4
2501235	1290190	1561161	456130.5	1166376	178188.8		493
830951.6	904490	722804	575207.6	723052.7	369657.1	[M+H+NH3	16
681804.5	637599.5	477479.1	573422.4	255220	129173.8		35
647069.1	685307.3	345648.8	227801.8	459119.3	287760.8		12
14301977	4999469	13645526	16662545	10618822	10807550	[1609][M+1]2+	2
9198998	7785963	6409841	8819055	9647989	2955045	[M+Na]+ 1!	13
1396362	3182147	4953954	4383920	3884430	4007074		2
3601774	3634444	2451267	2531967	3598345	2869090	[177][M+2]+	4
5525961	3320678	4833601	5121153	3331701	2762444	[M+K]+ 43!	21
2859213	1359143	1743892	8684071	2821954	12722892		1
1117470	1098881	10740230	1894165	1450948	3221585		9
864426.8	616178.4	1920344	795240	625757.8	651492.1	[829][M+1]+	288
5614785	5734078	5695964	5150136	3828385	2059358	[M+2H-C4H	15
3963969	6168922	5040277	575200	3852696	2546489	[M+H]+ 29!	41
27077058	768717.4	4629652	4342507	31276146	5703315		1
2287591	4540191	5255676	1843468	1864543	4288207		9
47803016	19725477	69916323	38698854	32214362	4786985	[1364][M+1]+	47
39555471	1152679	1750853	2479977	2085397	7436491		2
872685.5	781497.1	918694	4515832	3078951	223288.9		436
9606455	4477242	9131722	8844783	1666422	7293376		241
241527.8	206590.9	83161.5	109367.8	246206.3	197694.4		48
2524319	3235478	1994648	1996162	68923.2	2643570	[341][M]+	111
1543510	1771405	1502565	1124121	1209723	710659.5		4
72696274	69205421	59858677	71597549	68618080	27245475		2
11715306	9856765	11472664	6466536	9544143	4304438		1
13033466	11445128	10135279	11813788	10535042	5575831		2
1017342	721364.1	2108271	8557518	1127546	7381971		11
116416.3	94025.22	109606.4	77182.44	122326	0		328
860760	2449707	3591361	6484262	3366947	3685123		191
900997.1	94727.2	1301425	1245888	866565.6	353639.7		9
2648503	3455350	2818605	2041637	2451358	2212376	[444][M+2]2+	2
9691122	6115793	5014802	6766787	4221231	1565243	[3M+3K-H]	29
2534812	2797807	2038498	2054859	2042466	1261609	[765][M]+	218

7400798	7515676	7083162	3097733	7518998	7056129	[M+H] <sup>+</sup> 60	257
2386249	3229212	2452736	2066817	3338173	2586739		13
12647212	773609.6	561987.6	399906.8	341731.1	736565.4	[M+K+NH <sub>3</sub> ]	5
1349656	933984.7	1012977	631711.5	540621.7	324522.8	[428][M+1] <sup>+</sup>	4
2094346	1328529	1303840	1734509	1116113	737711.6		46
758272.1	0	1171204	601044.1	493527.4	0		1
640462.3	421550	677456.5	875108	566542.9	865193.9	[M+Na] <sup>+</sup> 8:	62
358430.7	305902.2	281472.8	252227.2	90738.69	150328.7		26
29020477	27995797	22299356	13267699	28801870	23029727		2
24397617	23832393	19768670	22761999	23860872	17226697	[M+K] <sup>+</sup> 34(	13
13459203	14610068	12381063	9091684	11939793	6562183	[580][M] <sup>+</sup>	4
1836752	1110499	2138358	2039923	961791.8	0		2
1452624	1007840	1699673	1914338	2041498	5427822	[444][M+3] <sup>2+</sup>	2
706958	99303.28	373546.8	561843.7	534805.6	488469	[M+2H-CH <sub>3</sub> ]	8
2426492	2308341	1843042	1844654	1749069	1209011	[M+H] <sup>+</sup> 49:	73
1248564	1148809	1060914	805692	972224.4	867216.2		210
360742.8	161343.6	406664.5	316388.7	292409.5	407314.4	[M+K] <sup>+</sup> 11(	33
2902014	2196346	1885689	2037384	1490621	0		2
10923968	12369805	10082335	8595022	10757811	4993832	[159][M] <sup>+</sup>	9
2758439	4121752	3102587	2090793	3201133	1960124		1
5627398	4953258	4131687	4943439	5619661	1690105	[3M+2Na] <sup>2</sup>	13
3656599	3347737	3146889	3678474	3818489	1464830	[M+Na+NH <sub>3</sub> ]	13
1101250	1063842	606815.5	817794.2	1070099	1125225	[M+2H-CO]	33
13865372	5366163	5677501	7757476	9576285	3304706		1
21425416	22460640	18999592	19180734	21032524	4945269		2
4323752	2863858	3423045	3433720	3030242	464841.9		9
252069.7	156043.3	0	14035.52	145489.9	54820.41		124
292899.9	219288.3	214292.6	156067.6	182944	242502.8		520
4324634	7280157	5847339	1780246	3658213	2480186		1
15461253	13702324	11458679	13823914	15753018	3927847	[M+K] <sup>+</sup> 75(	14
3039881	0	1623119	2515336	3303707	499294	[1467][M] <sup>+</sup>	2
2535340	837115.1	711143.5	1838020	1857266	249917.9		1
525972.4	46481.52	651647.6	572086.9	248832.3	127428.2		9
10716992	2593755	4938376	10800320	5296968	155133.4		2
1.26E+08	92266794	1.12E+08	78227031	93659292	30890828	[1284][M+1] <sup>+</sup>	1



5849275	3228446	4077236	4226125	3957480	1306821	[640][M]+	9
455305.1	462824.6	323011.3	270568.9	369175.8	409687.8	[M+Na]+ 6:	351
3407672	373605.5	3465641	2927117	1764639	1466760	[1136][M+3]+	2
6517601	0	2875851	6198559	5001935	1291862		14
6423812	7091966	5254781	5599575	5685360	4439735	[1206][M+1]+	2
1075860	1468681	1032616	648738.8	930824.6	1539884		12
349760.1	226176.6	275346.1	242261.6	471144	286604.6		121
15778480	4867485	4361899	4861422	9415210	15709943		21
1549042	708858.7	289010.4	331131.5	1050198	214409.8	[M+2H-CO]	217
18559258	23629432	21206953	13000497	20343798	1713674		1
465199.1	767909.3	523201.1	409243.4	603914	379899.7		39
4817387	4872933	3793259	3850410	4964824	1609121		9
5505471	6332335	2705110	3896270	7132549	2494523	[M+Na]+ 5!	3
973790.3	668910.9	612832.4	769809.7	518101.8	416937.4		158
22106780	15683492	17321697	22362653	15033096	8965897	[472][M]2+	2
1427296	2002321	1252394	415451.7	1458914	1101347		1
286917.1	328839.1	207303.5	234924	212455.4	111014.9	[M+H+K]2+	35
3188203	318237.7	8210756	2341627	3346811	1322893		9
468968.7	1857012	2046217	2140256	1817172	4961557		410
315885.8	143114.9	10640.64	30976.04	370758.8	32839.6	[812][M+1]2+	83
710323.5	966029.9	895597.7	501685	829930.6	1336698		9
7673039	7952445	6782938	5947462	8781372	8222926		2
1455163	1374753	1830455	1392070	1130016	631835.4	[1506][M+1]+	228
759097.3	665050.3	363665.1	468189.7	342408	332769		16
248307.9	91095.17	111129.2	207611.6	97134.52	162207.1	[1446][M+1]2+	42
341354.1	188655.9	249472.6	166341.8	234590	92688.68	[1389][M+1]+	40
24347105	8479915	10805974	15474833	16161190	2150646	[477][M]2+	1
1329487	793481.6	256990.4	350567.5	972610.2	371539.7	[1033][M]2+	128
457704.8	605530.9	315883.6	331235	584065.1	0	[M+K]+ 33'	81
925302.3	643878.3	1133197	920720.4	574530.2	795529.7	[629][M+1]2+	38
3481528	2004751	1925580	2344542	2938834	642822.8		9
2037686	3044313	11162940	9929056	14864943	21740712		1
2127203	6720845	2290479	2782980	5543754	11108409		2
302803.7	184148.5	1299486	855045.5	1472204	3269689		345
5209442	5364701	5318688	5259276	9731192	4667812		326

2119077	7247888	2932539	2649809	3004493	5804463		4
1.14E+08	35973350	32525280	35791073	39411508	56082145	[74][M]+	96
17026381	12721044	14604760	13613259	14181071	14643919		2
237152.5	601248.3	42419078	1.21E+08	2437877	102613.8	[382][M]+	104
6812894	12043272	10260274	5567235	9481227	964305.3		1
3187064	3017692	2726804	3646264	2087189	1264681	[M+3H-C5H8]+	13
0	602843.9	0	0	122971	265357.9	[M+H-C5H8]+	46
493903	344521	244169.2	408918	367432.4	141850.9		67
550362.1	717851.6	703288.6	937210.5	675620.8	460119.5	[3M+Na+K]+	39
31696592	26962502	26323535	29213697	29970341	12042986	[45][M]2+	2
15253727	3370872	12252483	13114162	5901056	19125211	[M+3H-C4H8]+	97
829897.4	387667.1	929406.8	1216864	724226.7	300784.4	[1201][M+1]2+	33
510900.6	1028825	225871	139381.7	181015.9	184980.7		206
1735597	2026211	1860863	2001808	3895229	3116024		1
3598433	3457935	3006726	1789326	2030047	443558.1	[M+Na]+ 3'	10
1467174	752953.2	1375458	1491669	1612725	517121.5	[573][M+1]+	13
2148834	1587920	2219252	2797238	3984589	10742465	[M+K]+ 41'	97
751864.2	989799.9	973178.3	547970.4	763875.5	1592604		8
1891265	1698271	1626010	1696917	588871.2	2113867		210
34561737	38938953	26077175	27170824	25647212	22563519		1
1757604	1495377	1429386	1442425	1509973	658106.8		4
3598623	2928136	2919202	3174847	2637987	569764.3	[1366][M]2+	2
908807.9	956365.2	580858.5	114465.8	988401	767429.4	[M+K]+ 30'	39
432641.6	805379.9	4.24E+08	3.62E+08	537353.9	1.99E+08		4
6773282	6364669	10212683	32572972	25821412	734505.7		6
950960.7	862265.8	919654.8	744225.4	799176.7	0		9
45631840	17401122	15782816	17543680	18679391	24466411	[4][M]+	96
4010584	4070713	4129904	5914808	4217608	3572861		466
160699.1	33984.64	159803.8	177331.3	131128.5	9427.146		160
23821602	24254161	19832299	23121613	24062202	10049819	[474][M]2+	2
2025392	1678325	1845630	1513261	2058761	1260038		2
1211990	2361205	1785705	1156804	1011147	853483.8		9
2307573	2627364	2833342	1640497	2374037	579841.8		9
443448.9	1875454	2078593	489948.7	749138.7	4431627	[518][M+1]2+	9
1.07E+08	46913024	1.55E+08	86512513	72156637	12684535	[1364][M]+ [M+H]+ 72'	47

625696.3	160234	3810180	234059.5	3114728	51900.93		71
622475.7	1019712	2058823	525218.2	682387.4	2653334		9
1496870	2400496	1431731	897599.4	1472701	340434.2		46
865752.8	126675.1	662097.4	337568.1	156135.8	18815.21	[1274][M]2+	71
1294851	4254798	1523205	1575482	937015.3	755014.2		228
1367025	597120.8	253362.3	640835.5	407836.3	1391884	[M+Na+NH	15
2507587	603154.1	3526837	5470336	1648301	2356483	[106][M]+	32
5319738	61375193	2160941	1545798	7052925	15873107		52
1796987	1232691	1795577	1953110	1236327	1613775		2
596354.5	217357.3	17008.79	0	400807.5	87232.48		59
2288755	1870298	1593194	2205582	1512134	2232255	[M+H+Na]2	14
3914862	5918602	5069258	4168178	3496449	3866333	[1379][M]+	299
217016.6	1243301	1184786	479267.8	534481.2	2330124	[921][M+1]3+	9
2991544	6685157	6116953	2672679	8630915	12128311	[359][M+3]3+	2
2438102	1335537	3620440	3636488	1268884	915913.4		423
5220845	2722617	3920428	4591755	1516699	1466822	[M+Na+HC	81
235052.7	201683.6	17388.67	41842.37	186709.1	96306.32		83
5786765	2659184	411887.5	4273879	5302031	994744.9		1
103299.9	79235.85	448498.1	372935.9	408188	833836.1	[M+Na+Na	136
2785097	2341971	2177716	1539836	2023759	1913679		2
4799908	5298606	4585132	5142069	4057212	2137960	[M+K]+ 16	16
131557.4	161474.3	250660.3	639106.3	244629.4	531911.3	[712][M+1]+	319
3365550	3116693	2088907	2156027	2389248	653187.9	[M+H]+ 63	81
288225.3	3118016	3654720	139422.8	3833864	3292328		122
7282694	6987417	5909697	5273359	6636897	4312707		4
15724451	15949828	7021290	19538740	8701819	2796666		19
17641098	17574938	6435797	17511252	18917689	2503354		259
8589925	11773205	15541337	7313916	9978260	13832604	[925][M]+ [M+Na]+ 4	23
2004379	745425.2	787708.1	1311445	1644520	1803618	[774][M+3]+	9
10727191	5162987	9280859	8866011	6072858	465797.3		2
8175357	370137.1	7084414	3579172	366179.3	3322746		13
728376.9	130271.8	0	27050.78	443751.7	140637	[1033][M+1]2+	128
2934375	2499194	1359018	1942195	1543805	1191684	[536][M]2+	39
8585183	3969186	8152428	853450.5	12241048	9535759	[M+H+NH3	3
501996.8	944601.9	455593.2	226841.7	1847689	452942.1		17

1549077	1918338	1669858	971710.7	1630240	1620658		2
2979503	2635199	10339077	2571818	4448127	3436897		341
929963.4	740179.5	727468	607849.3	600243.7	907719.2		4
535238.8	1358077	1391226	93227.59	879531.7	1050718		9
43214918	33343228	34847370	37150201	30846249	9536441	[395][M]3+	2
8595927	7712595	3673903	5942045	4362594	5790383		330
3835404	4849315	3932498	3274130	4655315	3016898		9
166988.3	129743	122097.8	161851.9	202239.5	331188.5		66
2375565	2404944	1441633	2537831	2495583	2683107		415
218287.8	131065.8	9663.644	11188.74	251652.9	50979.51		217
395340.5	0	1117060	1142509	736487.6	0		2
1309519	866278.9	1256682	1109357	1120480	719522	[1269][M+2]+	62
3630809	3062425	3395018	3685871	3534889	3216041		410
2.78E+08	1.81E+08	1.59E+08	1.33E+08	1.12E+08	1.25E+08		1
74418847	68761071	82657921	57026968	74270335	94070694		120
4177434	3236034	7816717	3925652	3536030	6053291		382
617733.4	519722.3	564554.3	549628.6	332704.6	346459	[994][M]+	357
5256085	4712008	3069704	4486671	4554183	4590909		400
6093858	8493335	22697009	21469669	6172973	17892769		2
4126323	0	1938915	3695553	2657604	748057.8		2
1719944	2741266	2398715	1938236	1947150	3374380		9
756104.5	134754.5	1736317	5072095	1755754	1185069		64
671929.4	276299.3	0	13185.78	508621	55065.98	[874][M+1]2+	48
1513286	476469.5	1622300	1662067	1145958	260501.4		124
27261606	26279041	24538701	36207537	15994121	21060206	[140][M]+	168
16234412	21652398	18926343	8814932	13742993	8923397	[267][M]2+ [M+2H]2+ !	20
10030050	4026084	6730820	9179376	7538521	2302952		2
2374769	1499773	3176367	198178.2	1642076	0	[1120][M]+	1
3058434	862624.5	3079218	2872094	4071647	3297190		174
2357041	3821380	1134679	1070231	2013080	2613129		9
4044351	3999815	3636230	4017547	4137041	4445927		2
4487745	4583824	2822058	4432371	5544070	2072951		2
1289826	1492411	2326565	1617490	1134527	680344.9		4
53313085	31509215	21322320	10844982	39588237	41374055		1
4079134	5720151	4042641	3620255	3630133	5149925		15

6476366	6505879	3743102	5861023	4338536	4954818		322
888560	613571.8	846348.4	0	962987	312949.3	[M+H] <sup>+</sup> 280	39
4145934	4067876	2137797	2651401	3468952	2443488		2
3.91E+08	14923711	9105142	1718495	3.85E+08	6573778		21
515442.9	961899.9	595973	356335.4	547753.2	1517336	[3M+2Na] <sup>2+</sup>	8
1405307	495010	94021.9	474281.1	122176.1	655282.7		6
1395361	736917.4	6098432	732932.9	2772371	3557316		9
12752187	24416439	44259160	61185111	93176049	60594766		3
872455.9	264933.2	41130.51	64448.97	735178.8	189113.2		217
501209	1793463	630941.6	0	1498788	5062409		2
2159494	821539.7	119360.7	257643.1	1645016	351900.1		206
1205605	1107818	1387139	825229.9	835967.1	667707.7		186
577886.1	2190062	1444837	2362886	2086783	3936180	[M+H+NH <sub>3</sub> ] <sup>+</sup>	238
3812522	4296014	3269141	2067676	3495310	5696948	[M+K] <sup>+</sup> 650	6
5857307	7207245	5880452	3594742	3379264	7926790		430
28558601	28247603	21886006	12896917	28718846	23172054		2
1288988	1120560	586693.4	1046926	1363131	486799.6		9
5755188	5507869	5058167	4472018	5824777	4856295		2
7412935	7184217	6893814	7123919	12479470	6532694	[3M+2K] <sup>2+</sup>	346
343394.9	482229.8	507677.9	300393.2	60651.27	425214.7		4
22232136	45293461	16594981	19416180	22214704	25032073	[3M+2Na] <sup>2+</sup>	3
363532.2	70802.95	0	0	295048	14648.47		158
5972347	7781508	4083833	5944935	7664805	2805955		2
2158942	1693441	2192136	1194692	1649433	0	[M+3H] <sup>3+</sup> !	14
18946378	46382125	24302347	14252396	29199113	24291082		1
7558440	4246590	3650909	3870425	6361623	1953246		1
9823911	18966997	14219060	6499050	12290951	8733226	[M+2K-H] <sup>+</sup>	15
0	666290.9	270176	0	9862.392	350037.2	[M+K] <sup>+</sup> 650	18
750566.5	1253947	557157.8	717659.5	1217847	1567594		4
440632.1	614282.4	657432.2	721025.3	505998	831432.3	[725][M+3] <sup>+</sup>	9
2147460	2553912	7297764	2001914	1763095	5801441	[392][M+3] <sup>2+</sup>	2
13346912	18454218	12249313	11101274	19025045	34261547		2
206679.6	1478162	159898.3	323012.5	205808.9	175581.5		63
3493869	2430855	3803480	2021474	2349804	0		1
329261.4	796033	541886.3	341062.9	530942.7	574465.2		8

388492.3	945272.4	601230.9	50455.9	575722.5	1401687		9
23983273	7127866	9864147	17991843	20337105	2355995	[168][M]3+	19
4072521	3652912	58522694	1.64E+08	5645174	1772395	[M+H]+ 21!	42
2642979	0	2547377	1892822	782901.1	270277.2	[1207][M+2]+	2
18329083	23302937	11881841	11701411	16216648	17553013	[M+2Na+K]	13
1384159	383938.5	1619710	1513782	1197631	1252422	[812][M]2+ [3M+2H]2+	83
2.72E+09	2.48E+09	2.42E+09	2.15E+09	2.24E+09	1.46E+09	[661][M+1]+	4
316909.2	889672.7	656287	488804.5	635570.6	2662249		9
2617641	2558485	2352588	1663649	2767066	2544571		9
9.59E+09	8.27E+09	8.01E+09	8.8E+09	8.27E+09	5.13E+09		2
10987570	13708798	10661275	10033689	12322133	9397659		9
3467800	869719.2	523059.6	2167389	528362.4	1248298		91
8429515	9074643	54415931	1.48E+08	10248311	4990494	[M+H-H2O]	42
8707145	7299346	7353111	6031899	7041646	3327697	[1394][M+1]+	232
1497299	280001.6	1063818	1115230	370858	101771.6	[M+H]+ 99'	29
7269815	8572079	5639651	6089289	7423597	8386684	[M+H]+ 43!	97
20815992	38107491	10346380	16151490	19495235	25826221	[2M+K]+ 2'	3
2906872	916824.6	3061405	2902241	657469.9	2252474		8
466157.5	1237295	1078235	271074	353032.6	1473315		6
1739500	2326226	2096930	855164.6	1472569	1305408	[M+Na]+ 3!	39
451722.8	686274.3	561156.6	1309169	544824.9	712549	[M+H-COCl	8
1323664	1104145	1796764	886107.3	1412389	0		13
400046.2	227621.8	169224.5	237712.8	197226.7	127646	[1088][M]3+	66
326314.2	239890.6	13311.13	14759.24	382282.1	63479.73	[1089][M+1]2+	59
5368934	5534679	4053514	3646261	3677229	8083991	[1390][M+1]+	12
1365221	500613.1	3812523	6192926	529174.9	546865.1	[M+H+HCC	16
9984944	9440156	11020940	1830821	3077866	3890702		1
1387711	135338.8	1519624	695385.1	1485968	1132290		14
9295827	8392231	9386355	18128499	26204053	5349544		1
2756910	1911950	3202669	2102443	7433705	813489.4	[38][M+2]2+	1
1705619	1191066	986937.6	730809.1	1629837	450045	[1522][M]+	38
446612.6	376036.9	22650.75	26530.51	662550.3	91224.36		124
20260622	13626004	16884169	18925062	13136488	3394125		2
838649.6	244638.4	337301.9	486068.1	289412.1	0		124
2743767	2923599	2389958	2778427	2754352	1872107	[254][M+2]+	32

1762196	891823.8	1861913	2218667	932874.4	924911.5		136
5075286	5476477	5701692	4726982	4642188	12584054	[610][M+3]+	9
340920.4	372333.2	136178.6	172682.3	72069.63	208189.8	[252][M+1]3+	24
2502466	3319018	986823.1	1765580	3694259	7058557	[3M+3Na+]	21
3106479	3354551	3210405	3123136	3122412	2738058		189
889388.6	724250.4	507818.8	757420.1	691352	535481	[1574][M+1]+	7
8672233	6193724	6256184	6320613	5657179	3143628		421
2919198	3471642	1526251	3849373	5313837	12070979	[1341][M+2]+	2
5264921	4907807	5026233	8101632	4313476	8819297		241
10794884	9171922	6004533	9903813	10145915	3992214	[M+K]+ 356	13
238500.9	166183.8	24696.81	28224.74	133999.1	50600.83		48
5453133	771429.1	1085374	981431.5	1108490	3651683	[M+K]+ 346	13
579229.9	874826.6	1010464	2126575	1662822	5614707		9
6891141	7511103	22817185	4682750	25587647	2651959		2
4787372	4042165	2990199	4242570	4322424	3619047		230
2997239	2376289	1632368	2847577	7424862	7697544		2
69847813	10476390	62424573	7834577	58008630	11889229		2
1296624	1409759	1536156	1271099	1092244	814903.3	[1512][M+1]+	168
817427.1	327397.4	55102.55	69426.47	738350.3	115562.4		206
8133306	6207851	6403787	1924556	2693689	8022353		15
3.82E+08	2.84E+08	3.36E+08	3.21E+08	1.89E+08	1.24E+08		2
701667.1	98420.91	717697.1	519847.9	699453.4	356420.4		20
17422246	14134817	14029128	14263826	13080596	8520203		166
36207168	31666827	28860138	34541478	24965410	12955744	[1287][M+1]+	2
3835080	3029272	3730069	1823698	2987932	1033423		1
2704994	1810936	2134700	2301164	1496376	0		2
634403.2	1215017	5204402	476041.1	1103275	1978547	[1020][M+1]2+	9
1011399	66931.97	12546508	39555268	1244414	3618792	[2M+Na+3I]	73
3920929	3903235	3725638	5277043	3477687	3839993		121
1503996	1933599	958535.2	948634.9	1666835	1340570	[675][M+1]3+	9
826774	776081.4	987823.1	563111.8	556921.9	468042.7		9
1436544	1089456	1178742	1578780	352052.3	798227.8	[294][M+1]+	207
396998.2	865999.1	1683434	269477.3	575405.1	3247744		8
835862.8	957738	921209.2	1287136	674364.9	790191.5		9
90222475	75274281	68073006	87944284	51809014	54042749		2

422901.7	1414255	1797240	395510.4	691669.3	1497603		9
3158367	5576126	5829690	4133771	4785843	2871138	[1577][M+1]+	9
36847954	31514196	31347269	34133428	25540950	5811300	[1315][M+1]+	2
951718.8	1036435	1083461	830973.3	646753.9	367461.3	[942][M]3+	57
13305947	2053334	7457498	12658439	13236869	3029772		14
1379593	231934.3	0	505566.5	783525.6	860781.1	[656][M+1]3+	9
547631.9	521105.5	604623.7	652103	289281.6	365850.1	[M+K]+ 476	62
219461.6	123092.2	159923.5	110855.5	238131.5	220764		16
1685687	1761609	1836930	1167325	1145154	1336943		78
24141325	8827753	10559262	15431464	16023234	2055961	[468][M]2+	1
68067141	919268.2	65077747	41420103	57150003	91377059	[846][M+3]+	1
2927970	4792635	5789647	1667661	4440396	1983321	[1376][M+3]+	332
222414.9	334116.4	330728.5	528281.2	309709.5	11415.12	[M+H]+ 360	86
1991865	1189106	1502466	1960253	1562031	2212859		2
1451617	1610436	1319427	6050063	1263626	9793264		2
571805.7	490112.8	253932.8	230717.2	591581.9	535168	[739][M+1]+	220
789990.7	884496.8	684322.6	375788.3	688505.6	457867.1		4
604759.2	490665.9	560529.7	192862.9	416702.4	171679.6	[M+K+HCO	25
713164.4	631946.7	367286.7	521815.1	924667.3	619826		4
309041.1	744940.2	438350.8	311957.9	10116632	829768.1	[M+H-NH3]	38
1409170	1875696	1124856	1467109	2913586	5505419		2
13704310	7134657	2769021	9802006	4915587	11074424		250
102964.2	196602.5	34253148	1.19E+08	3683022	476597.7		96
611767.5	1463265	2036555	2460806	1111596	736066.6	[707][M+1]2+	15
33993127	23764723	26519770	32030895	16339662	11813122		2
1546630	1479098	2328249	4340937	721311.6	8522340	[M+Na+Na	46
575243.1	192673.1	466916	1340387	225287.8	416460.8		38
11097852	7977993	8026702	13248916	7131149	19723089	[3M+2Na]2	14
3867128	3881979	4985316	5843096	5066540	5108672	[1609][M+3]2+	2
1204208	1310995	1091269	640196.4	1012069	159438.5	[M+H-C2H4	12
6518967	11089386	17564910	16280005	19354360	9714140		2
25988387	18526004	20933952	23819763	19965068	8258699		2
193096.5	77555.13	13121.83	15334.58	220812.6	40837.35		206
3857117	4358781	2237080	1398882	3779266	5185133		84
478591.8	815641.6	519009.2	2019939	689579.3	845519.8	[281][M+1]3+	9



69974598	48982067	56736328	63318026	54192864	21520985	[32][M]2+	2
102975.5	235034.8	215487	160128.9	65579.22	52150.27		391
10295793	3359714	9252334	10085578	15005259	8906811	[M+H-C6H]	46
4227729	3034694	1460612	2579846	2191854	2259326	[72][M+1]+	152
180078.4	205264	261572.1	220374.3	173410.5	142723.6		118
1536970	1920506	1455120	763398.3	1460967	1688919	[M+H]+ 81	38
1087431	1121083	6531529	3335268	8666478	28429480	[M+Na]+ 10	6
1753687	1618338	3283282	1447052	2533137	2241047		52
1247644	976385	1258786	1966560	1668572	586967.6	[1148][M]2+	62
3.06E+08	2.09E+08	2E+08	3.01E+08	96911638	92272092		19
2974700	5095933	7220205	5059203	5058452	4755365		373
356034.3	519229	205400.1	341496.9	759265.2	446750.2		4
8045203	7063535	7767254	7236522	9111935	12188221		2
3127715	2089085	1354623	9170920	8647723	1110233	[1300][M+3]+	2
3508080	1370286	1545237	1499840	1386323	2987532		385
1307427	1402730	1747846	3797850	935274.6	2534746	[712][M]+ [M+2Na-H]	319
1747979	745761.8	1105057	1147600	1595668	1769331	[874][M]2+	48
2734056	4256984	2071052	2496329	2924164	2589119	[398][M+1]2+	2
21063401	3228618	6138854	2778267	22975581	1094002	[M+Na]+ 10	3
10430526	2114794	2566772	7122695	11933559	2308065		1
12095753	5445661	1100975	8939138	7586419	292357.1		2
373147.3	391553.8	592537.9	209864.1	216046.7	349160.4		39
936167.6	364303.7	3920485	1910465	915790.8	2596780	[655][M+1]2+	9
1812551	1065770	934431.4	1255067	943001.7	0		9
3909179	5851844	5243835	3484267	3840952	1548077	[M+Na+K+]	15
6768683	4676736	3920774	3811565	3680118	3569894		316
536766.3	1989392	771939.6	1013010	521192.2	581832.1	[M+H-H2O]	83
4827108	6781789	6456587	7627036	6195828	6066970		407
2386866	640823.6	703333.2	2476545	1495695	1236735		9
2756089	3424564	2137749	1644613	3758883	371658.2	[1625][M]+	2
4176324	2260131	3170852	3890602	2764089	872274.9	[1442][M]+	349
7293408	3441199	3480598	3077825	3198008	3078239	[M+H-CH2]	95
653254.7	398356.9	1101627	539148.9	1401256	165418		4
1458486	1689799	1400787	981995.7	1396085	542336.9		9
663255	1342312	1968541	736479.1	750229.7	3522124		9

944769.2	726810.8	991290.3	556378.7	904238.6	441512.9		4
597400.8	278807.1	1502421	1430079	310108.8	818746.7		245
12089517	8486271	9410371	11919022	8889763	1220577		2
1035913	1003897	1673589	720032.9	723546.4	2153136		2
1703544	2282118	2265585	1965572	1735096	1277244		49
7712315	4136141	4227328	4032184	676199.5	2738703	[M+H] <sup>+</sup> 35	140
2561186	8918542	8321311	4580729	3929698	13424169	[M+Na] <sup>+</sup> 5	93
316587.9	602135.6	590741.8	384329	513317.7	1255571		4
163770.9	281671.3	137667.6	6489878	1419960	963871		305
1558089	1361989	3587031	1702905	1673802	0		1
4769683	3830020	3030938	4080707	3299332	3011420		9
6558325	3275877	4191403	6269078	6503439	2337482		2
1395623	4636460	1222087	2327193	740598.2	3825074	[815][M+1] <sup>+</sup>	213
23393585	3035042	992748.5	9221239	5943836	458515.8		90
12798879	8570873	1711445	13576513	13586143	4042484		14
29104414	29940091	24112765	25629256	11020189	31146715	[1114][M] <sup>+</sup> [M+Na] <sup>+</sup> 5	134
631790.5	1539513	220419.1	349495.1	2727306	10111782		89
13765490	11696766	11650835	11951421	12266125	3525197	[3M+H+K] <sup>2+</sup>	13
5410328	3783803	720900.4	3968112	6375723	1058566	[M+K] <sup>+</sup> 64	11
844964.7	496527.4	774956.2	420610.1	603076.5	570099.8		35
1443446	1635783	1164010	1606707	1266031	710954.7	[1417][M+1] <sup>2+</sup>	57
2470287	1172443	586945	1687702	452251.9	2766597		4
19265107	9171994	5330056	606529.4	3803448	19696544		9
552365.6	869231.7	5251145	18001678	1347878	1258136	[M+H-CO] <sup>+</sup>	28
3032437	3435482	2150993	2258146	3094519	1276660		9
266643.3	389296.7	403748	274536.8	326221.5	34723.74		4
1709131	606503.4	747898.5	1507250	1332454	355816.3		9
5190791	5138177	6049142	4791406	4390083	2500867	[37][M+2] <sup>+</sup>	1
5480797	952751.7	5616189	4605520	5311495	3492769		433
8002237	8808732	7030004	7049033	8521356	3206000	[508][M] <sup>+</sup>	2
12929055	21657817	20833686	12812628	14887435	4856617	[758][M] <sup>3+</sup>	1
894197.2	250109.9	2506064	11711649	741258.4	1438748		166
8000356	100201.3	308954.7	222356	78153.99	115494	[1407][M+1] <sup>+</sup>	181
4959016	3503313	3352781	4005685	5372405	797517.3	[M+H+K] <sup>2+</sup>	14
1513998	1212330	0	1125886	2146797	954846.7		1

5935738	6644167	4889211	3929982	5053245	17197134		2
1193287	825302.9	495254.8	163075	532884.6	521460.7	[M+Na]+ 2:	39
361690.5	479409.1	433686.3	419743.8	376833.3	299360.4	[1495][M+1]+	62
1223613	952255	1383846	1113225	964191.1	362588.7	[1547][M]+	169
8238594	1980458	3627382	2365883	7506061	4042697	[M+2H]2+ :	15
13651133	18824291	10725355	8834714	24463938	14046954	[M+H-C5H8	15
18209765	13019454	17219323	18205291	16228976	3978764		2
2241114	0	487904.4	1060047	1173662	1116371		84
3971156	0	2952748	2791894	4354186	5873267		14
3840629	5297631	2846541	1937018	2438232	1447478		4
4060538	4177034	2700746	2688671	3965668	3020385	[231][M]3+	4
522446.6	2527014	1042559	485856.8	965923.7	1738089	[M+Na]+ 3'	3
1665809	6624065	722359.6	805045.6	1822518	1123410	[2M+2Na+:	15
8318310	8782502	7364845	4444322	5894597	5215825		350
4696917	4139088	2421658	3526354	390832.9	3111052	[M+K]+ 13:	226
17463946	12038803	16245543	15273400	3763673	10725967		1
1751567	1883379	1509860	1303848	1609990	330488.4		9
1389899	80066.62	0	819872.9	985174.1	868382.7		9
7133062	2097082	1795864	10398344	10811725	6188696		2
19774294	185955.6	160427.5	546735.4	353645.9	390410.8	[1407][M]+	181
1978010	904818.1	2326981	1460414	603628.8	1818200		8
97895551	71738911	58098625	95504001	67454046	71847004	[630][M]+	22
208511.3	93246.51	46963854	1.66E+08	3712337	125038.6	[311][M]+	79
1763324	4996846	2092188	1749797	871122.4	5327309		2
32579601	28971319	31287152	2897005	2144993	34712603		2
308751.6	331263.7	17328740	55879766	832813.3	298144.5	[M+Na]+ 2:	135
1042686	798205.5	1136865	894274	659802.9	286692.3	[996][M+1]3+	16
4245926	4110055	6300493	3596936	6062482	1246263		1
12616059	9326029	10200707	10855487	7894427	8405123	[1207][M+1]+	2
221869.2	162209.2	160112.3	122101.4	109630.9	109775.2	[1488][M+2]+	100
77472635	1834070	29190758	3496883	3799839	2104877		11
9834414	5789337	2431995	4811223	8647635	6549953		15
272858	173572.1	97242.21	124255.6	224486.4	159416.7		105
3969107	3507105	3279354	3208794	2407084	185244.6		2
2485566	2700701	2243370	2786949	4230799	15881068		2

3725063	4473840	1848868	2241410	5299720	3709271	[1238][M]2+	2
2569344	2672875	2613116	2690201	2778538	3919142		4
16653772	11479113	12611445	16308353	11738033	3360591		2
4656639	4830039	2585242	2787829	4947944	3595168	[1270][M+2]+	1
2541974	1498237	3270166	3332847	1270855	1346787		329
6318425	3788753	4547730	4525807	4519329	4307159		190
2301510	8495644	3268789	4435410	5639439	16557412		2
1240004	867364.2	500081.4	613982.5	556850.4	682975.5		285
1966057	2145870	2259221	1936559	1486661	0		2
18403857	2602130	5404723	5131349	4393877	3134988		412
3384855	322498.2	2171776	2559599	1732204	156021.3	[702][M]3+	81
2169306	1448933	2473220	2852174	1055093	7442343		3
1738388	2308569	1574348	1175885	5574134	3980784	[M+K+HCO	351
233649.7	92857.81	29299.95	42907.39	223278.3	35134.7		206
160424.4	107268	94686473	90743626	54309277	60368152		61
13332392	4910258	3318020	8483830	10329127	1735539		1
6059455	7170710	25049053	68463363	6598669	3712281		118
64468828	53769270	48152377	65165273	55023212	23359693	[432][M+1]2+	2
500826.7	489528.4	47705512	1.67E+08	3737614	339152.8		79
716468.1	9908791	3788423	3782417	3951012	6411351	[M+K+HCO	264
3214484	2760886	3020634	4083115	3687787	3293591		393
1474356	801877.2	919387.5	798879.4	1105450	420175.8		91
14744695	615322	817903.1	13016823	401330.1	913960.2		4
20775965	23600421	19086737	16601851	22665488	16668739		9
4101482	6940964	16719876	6261268	4896676	7657720	[301][M]+ [M+Na]+ 2:	16
20085771	988232.1	3886407	1142118	2543370	6864156	[M+3Na-H]	21
2.03E+08	2.02E+08	1.91E+08	1.66E+08	1.67E+08	1.14E+08		44
664599.7	478556.1	5311164	18422953	381828.6	24906.16		118
15508376	4648222	4258202	5222262	6704465	7362707		96
1366315	6678015	4.05E+08	2698243	92822722	25623655	[M+H+CF3O	21
1364594	2653207	1969031	1663627	4817756	12245593		2
1985973	1607443	1742478	2630510	1530022	748320.6	[1410][M+1]2+	33
4873589	3773405	1122126	3508510	4411109	10898870	[M+K]+ 54:	11
4216170	4213422	4317399	4038173	3976067	3687098		414
2379442	20402462	15293287	1020325	19570650	5798330		1

11637920	11988051	12167847	11933584	11381146	8139200	[1072][M]+	13
625937.1	0	1265271	396988.8	487482.3	81429.14	[M+K]+ 130	8
3473362	3904388	4269794	2319664	4155303	1341822		12
199185.2	276013	461252.3	32302.78	335315.2	329946.1	[816][M+1]3+	39
190170.6	997726.1	1265241	175684.1	0	4694004		2
869642.2	827541.2	1237022	346937.8	354704.1	551069.6		1
5140044	5359729	4436199	5047495	6076748	2544795		14
18793849	9769932	15220559	18115723	14311018	3302754		2
841958.9	1308224	1131775	359620.7	1116795	776545.3	[997][M]3+	16
3952938	1729089	3714840	478165.2	2711651	1099518	[3M+3K-H]	15
1009164	1297979	446060.4	536802.5	1227545	606107.5	[M+K]+ 29!	39
171680	6946.309	13812019	47175613	617793.8	0		104
1918052	2703550	4833482	7364330	6502410	4526106	[M+H+CF30	11
5386556	5553927	5201635	5430725	7581996	5188488		209
892037.9	876307.2	666520.5	698817	676458.2	584298.3		31
579870.9	90658.4	1349302	544909.5	634161.1	583266.4	[M+H-COCl	39
555512.5	709753.1	845854.6	501105.8	532250.5	0		9
13716508	7519565	5550926	9544410	8338022	4437537		1
39392997	18347791	29159056	35361565	25179709	11245309		2
1896845	1329607	1555371	1653143	1284475	705012.2	[M+Na]+ 6!	5
2264783	706106.4	1578592	1001937	1081526	72361.9	[825][M]3+	71
181041.4	125282.6	24800.75	12628.13	148592.4	12881.69		217
3088029	8067948	6262026	2977674	9267981	14490906		2
2194511	1837481	1316655	2351575	1301063	0		2
991171.8	198996.9	1785386	464672.4	640163.1	0		1
2216795	2920073	953812.2	663403.7	3115964	1500596		1
1.37E+09	1.23E+09	1.24E+09	1.18E+09	1.22E+09	8.3E+08	[548][M]+	4
43306697	31604201	20150821	28772874	30566447	26397428	[72][M]+	152
909351.6	662575.2	36259517	1.34E+08	3482983	503471.8	[323][M]+ [M+H]+ 31!	88
275603.7	471799.3	1208184	357919.1	440947.1	342923.5	[301][M+1]+	16
1154344	847842.8	15056381	54399916	1652144	1277391		118
6686665	2041295	3493794	7563605	1442559	1320708		16
42391003	10783311	9103885	9861387	11587130	18589956	[123][M]+	96
1202120	1700216	2103806	671283	2632318	1692377		1
2.71E+08	2.23E+08	2.27E+08	1.67E+08	2.36E+08	1.21E+08	[426][M]2+	65

113270.2	892135.3	0	0	637202.2	1850594		9
1996073	2428213	2607469	2329118	2341766	2432801	[1621][M+1]+	2
2140032	2422387	1376613	1382832	2428236	2150665		9
1149103	2361666	748749	1386565	6870164	19241628		2
2947649	2016491	2403244	2161763	3455819	0		2
5.38E+08	4.92E+08	4.96E+08	4.63E+08	4.77E+08	3.21E+08	[176][M]+	4
11200339	12480650	10368816	8511839	12012786	8254455		9
326258.4	279732.4	393062.3	125947.3	325730	110977.5		507
2943145	4764143	4891271	11321564	3610721	3231779		9
99363316	41451342	38893364	60043675	73161888	17815926		1
1329513	1267574	1757334	989815.3	722164.8	1026529		4
7580295	2804554	6808206	3299302	6950905	2289592		310
9863321	4253866	7270054	9315445	6868438	10664156	[430][M+1]2+	2
58508489	14411849	16790139	11171354	13538048	19623261	[612][M]3+	117
1581190	3181941	2487608	1788282	3923285	9259597	[1216][M+2]+	2
8280041	9150042	12821520	8901200	6309706	18173503		9
5516445	5539786	6900992	1021884	4285516	159249.1		1
8068248	10015399	10601045	5245605	7217754	7644846		1
4405781	4852067	1916688	2092167	4861428	3635303	[1292][M]+	1
8118101	8658478	7392229	7030354	8705262	3458020		2
5723506	5888756	4032105	6581407	6054700	1312459	[M+Na+3K]	13
674501.9	586597.8	944962.3	3350186	612761.8	1142543		9
18966619	31623095	23433752	17791022	18893276	24565555		1
89147.63	368435.6	420589.1	27667.27	221613.9	217063.6		20
2.33E+08	1.69E+08	1.87E+08	2.18E+08	1.86E+08	76356872		2
133769	136929	2466541	3089898	2747349	240494.3		246
1803389	2453690	1302539	1499051	1251632	2205802		4
18227257	12104349	9164201	14120632	7493522	11143254		172
416248	585099.1	325605.4	415670.2	2981275	1663913		4
4784059	4748645	4046495	3983042	5409149	2227381	[227][M]2+	9
985004.8	0	1091464	798984.4	542945.1	288883.8		9
1507599	1361926	30415953	96214760	1479618	992039.4	[M+H-H2O]	86
564800.2	409777.9	428742.5	106611.8	273454.3	151884.5		107
631450.2	849380.7	332183.1	593306.8	1257485	364609.4	[M+K+HCO]	21
50248927	56633140	45656701	41287842	55153617	40266385	[71][M]+	9

7828728	1163382	1915551	537805	10249579	7008209	[M+Na]+ 70	14
4879008	3793599	4047165	4801893	181833.2	2906588	[1443][M]+	44
23407040	29658161	21510896	23066351	28804528	16228436	[572][M]+	9
3555573	4567635	1413335	733508.5	4996836	757300.9	[574][M]3+	11
937737.2	629402.6	2421797	778885.2	875385.4	1343976	[M+Na]+ 4!	98
2781829	10643830	9648022	1788904	1108386	1039002		1
662386.1	598637.2	285052	121138.3	408081	287345.2		4
570295.6	897910.6	267413.6	0	411732.6	220424.8	[M+2K-H]+	18
1791712	1347882	1597443	1494516	1543469	2350943		4
22962874	22899023	20733125	18361662	18189295	12478518	[947][M+1]+	116
3892121	3887295	2834865	3827916	4371886	5539838		317
23549039	11927670	7810688	9984753	9181718	2913940		2
79499556	1.14E+08	1E+08	55808375	60591558	56504727		20
2859130	7946310	3761103	3084825	13218582	30216115		2
326960	948457.1	0	694252.7	1627460	1014557		1
591813.1	667282	504330.5	661275.2	463213.3	430788		500
285951.9	308857.7	327389.4	390002.3	269636.7	198651.6	[M+K]+ 880	42
116762	959944.1	1418416	0	567341.9	4935678		9
1185626	1432627	1118958	1209456	1175827	144667.1	[257][M]3+	24
0	1106221	101935	0	0	0	[3M+2H]2+	15
8753996	5968363	6817137	8642080	6069835	1023949		9
81669.37	837047.1	25268455	7127046	10999551	293290.9		18
2049253	1699675	2381924	741410.2	1596517	224966.6		1
1.84E+08	1.32E+08	1.5E+08	1.7E+08	1.46E+08	59347621		2
3686461	4659685	3361023	2290733	4257666	2878776	[1067][M]+	9
42527139	33852525	35040358	35671092	33561627	5464822		2
36927824	23214836	4867506	18716910	75753998	1.07E+08		3
5339868	4298697	5775684	3754612	14332509	5337973	[M+H-CH2]	15
3.59E+08	2.74E+08	3.31E+08	3.61E+08	1.81E+08	1.49E+08		2
7194494	718550.2	5157449	5418242	5077382	4875248		377
531810.1	565610.6	159435.6	425602.6	696640	163557.3		4
1248134	0	1843050	1017866	607268.1	0		9
375315.2	527442.8	468678.1	367368.6	333928.9	264771.3		35
406683.6	228161.9	382616.8	611952.6	513890	241170		83
1217076	603189.4	798525.5	2841808	634680.4	2048340		6

192991.3	303638.1	290329.4	369918.9	257476.1	124347		100
260006	481472.9	1355357	442243.3	408709.5	155483.6	[957][M+1]+	87
432419.6	218761.3	219824.6	320254.4	199386.8	205014.2	[217][M+1]+	76
896056.9	1059092	5357432	3220473	880697.6	2452066		4
3229776	3185168	2200194	2136268	2135720	475820		81
8535070	13712206	14808023	8389999	8169563	4912796		1
2922447	2036234	2865187	3378975	3090307	2928397		257
978087.1	4607833	3524608	975467.3	2121534	6774329		9
26816536	2794676	2485721	1610543	30085524	4658554	[M+H]+ 180	15
125064.2	766991.9	694893.8	445683.9	398961.7	394498.2		4
157359.8	158754.8	11161480	39661384	310288.5	24467.16		134
1286692	1519896	2159369	914855.7	1326518	2750519		1
1.32E+08	4.55E+08	1.35E+08	1.58E+08	4.06E+08	95728150		124
5176750	4099069	2605612	6755985	5095630	4809776		424
7081288	3716522	7360000	4435712	5078048	4627701		2
5090445	856977.7	830441.8	805630.6	843248.9	1546140	[123][M+1]+	96
4366184	3516367	7966284	3016330	7638241	24768964	[1310][M+2]+	9
682719.8	868445.1	1832505	538355	786469.4	3291790		9
276874.4	191032.8	282628.9	450050.3	173588.9	86130.57	[1545][M+1]+	62
5593339	7301385	6835995	3309953	5343717	2713392	[M+H-C2H4	46
3901223	2977383	3697051	5051183	7941533	3684843		333
3676600	3090679	3113050	2246281	3676377	991629.4		1
321727.4	63370.22	0	266294.3	120030.7	568349.5	[M+Na]+ 20	12
1894957	2038961	2225224	1718800	1764807	0		13
2801454	3176433	3037842	2800946	2237711	2269556		375
1582969	6230404	737885	12537596	2212195	2072269	[M+H-CH4]	252
864817.9	920726.3	1001452	674109.4	875957.4	648039.4	[M+2H-HC(	23
1004735	653150.2	912551.3	7831955	1118069	14013274		89
482752.8	711698.7	379438.4	435371.3	473853.5	468791.8		23
10303055	7404074	9079028	9592199	7716122	1605310		2
697214.4	492758.7	3412621	1558591	954591	2779853		9
311152.4	268135.5	3460242	1244637	325328.7	180570.8	[312][M+1]+	212
2269675	3463452	2350698	2062781	2602542	6647704		2
573843.7	307439.9	4487017	15248701	612323.6	392895.4		243
609564.4	2240936	441142.1	324792	796053.8	1015576		1



1339575	4029049	1947139	2785977	1991678	511882.7		1
272267.9	458472.4	1548584	7704748	490536.3	610452.9		247
10170060	6702934	5406737	1336198	8803453	1199256	[1297][M]2+	1
1072952	966089.4	875272.9	598130.4	663035.1	179634.6	[1118][M+1]+	302
945663.6	947757.9	1710461	1705140	582641.6	663592.2		9
97232418	82177911	78345162	93459305	77574681	36140091	[399][M]+	2
13530715	9309412	8607947	10805024	9915759	6353185	[22][M]2+	2
2900656	2532168	1965142	2282198	2230421	1478087		227
95353577	1.24E+08	1.2E+08	58498565	67187461	1.12E+08		70
818083.9	894149.6	733005.6	256453	631263.5	0	[M+K]+ 314	81
1783422	2371665	1625924	1691442	2288149	1508085		14
7162306	8369083	6347682	6962301	7232798	2156617	[348][M]2+	2
70473.14	199796.3	190310.8	112513.5	113981.1	94684.33	[1004][M+1]+	305
7757508	6711043	6160926	7142949	4531479	2753280		210
20804429	23335667	19526891	16853638	22574380	17236966		9
1503629	2077275	1855038	1301388	1540429	773502.4		9
811730.6	1495235	750545.5	421122.3	1022890	2871030		9
2.15E+09	2.03E+09	512332.6	1863908	1.81E+09	3155196	[664][M+2]2+	4
2966563	2766185	2889146	2076420	2065404	1764856	[737][M]+ [M+K]+ 392	25
17126816	11690355	7971059	7333953	8647933	8502043	[M+H-C4H8]	15
4648668	2684446	68412.07	4573394	3258513	3893136	[792][M]+	90
2314150	2136391	1925901	2483303	3402619	1415659	[M+H]+ 382	13
2441125	5176470	2258359	4465330	6023269	5798582	[M+2K]2+ 3	14
9726296	590292.6	638223	698854.9	491820	455552.2		16
2540621	1696346	2765330	2870182	1775507	1644057	[46][M+2]2+	2
283354.3	448265.5	286262.4	371281.1	360521.2	336795.2		94
5305016	542058.1	3464058	6825143	977727.7	3498320		1
1368173	1236401	1822900	1611553	1307822	3557624		9
483202.4	644831.8	564944.4	0	416689.2	338206.9	[M+K]+ 369	81
6093003	12071456	11921784	6122553	7962951	4021089	[365][M+1]+	1
4315436	2676589	2390311	2708972	2534592	491465.9	[1007][M]2+	9
15120526	13979204	11731100	13946580	16199686	4938010		14
6464839	4694596	4513112	5471025	7355858	1708276		14
11589333	8925922	9383861	12621675	10926797	2849780		2
3668942	16038075	3490152	5718378	3655648	3668233		226

413509.9	1142190	528535.2	9532277	945415.4	2944386		4
812311.1	2001468	771417.3	542028.2	2452461	5257071		29
2106877	1388741	293771.2	473583.3	2942308	1190758		1
17682359	10840665	10524427	14201024	1269105	12452519	[97][M+1]3+	1
275341.8	216647.2	245057.5	127671.3	161651.2	154706.8		277
1538269	3040459	921502.1	1754371	2189133	3250703	[766][M+2]+	4
2944373	1692020	2870321	1469772	2026776	240446.3		1
1050166	294178.9	886471.2	793590.9	923564.7	427152.2		62
550453.6	238606.6	461002.1	662604.1	199490.7	100375.7		518
1786224	4550179	2357635	3011394	4055152	2201070		1
241404.3	366118.1	780737.3	421161.8	462539.7	268613.9		4
468305.7	63032.62	992623.9	192283.6	182801	0		9
4913099	4822521	1081689	9173083	4708722	5076909		3
2992206	2946560	1981955	3180848	1572790	3839079	[1546][M]+ [M+Na]+ 9!	62
195670.9	25138.09	298659.6	312792.5	134498.1	131118.1	[106][M+1]+	32
685291.3	803666.9	833139	551973	733825.6	3118807		9
9013732	3044353	2696445	4941472	5401989	2752860	[477][M+1]2+	1
2898625	2612829	1908870	2555605	2855668	2311252	[M+Na+HC	404
1275892	1755356	297677.4	709451.8	2339201	1180996	[M+2H-CO	3
1152270	1409589	1497814	923595.9	980445.5	1634082		247
211992.4	243428.9	693768.7	712734.9	271793	833000.3	[M+H-C6H:	42
4213277	3181114	4376641	5042683	5044522	3791611		396
1259240	2668710	5207826	973210.7	2063524	12019977		9
7908101	6888941	2759715	6517472	6184117	7142011	[3M+2H]2+	11
247583.7	272161.5	221559.7	326882.1	251325.8	177918.7		104
2.77E+08	2.49E+08	2.52E+08	2.41E+08	2.5E+08	1.71E+08	[548][M+1]+	4
1470868	1167686	1315342	1158795	1077389	2538690		9
316041.6	273813.2	197122.7	341673	13808.12	263529.6		519
85951.64	173190.7	4780760	17083504	147457.7	0		243
1245806	1434093	38172084	1.38E+08	1845047	1758572		102
11924530	28673250	26736878	19084999	34128655	26109200		1
3825377	3533405	3022116	3593935	4113982	940711.3	[M+Na+Na	13
1919973	2001488	2456325	1378917	770861.7	352832.8		1
3094302	1923825	2023644	5531935	3751855	3265978	[M+Na]+ 4.	6
567115.9	541461.7	637225	581370.7	413586.9	1189563	[M+3H]3+ :	33

3972553	4603117	1070619	3471965	868376.8	1026892		1
1226310	1579539	1227394	430803.6	1282206	2503456	[1127][M+1]2+	38
307191.4	616297.3	435538.5	268860	430690.7	634026.5	[130][M+2]+	4
126987.2	441662.8	461084.9	439914.3	443671.6	375408.1	[276][M+1]+	292
4001451	4422652	4353347	4891563	3384623	4218357		409
4040529	2126386	3556587	4921167	2231186	1501907	[1556][M+1]+	304
488784.3	514542.5	43632085	1.84E+08	4364169	430422.2	[324][M]+	32
1098691	1570184	971253.8	696528.9	709833.3	1051667		4
0	1040891	0	0	681418	780252.2		1
1.12E+08	67012867	69487921	51914232	52764490	47837172		1
1547699	1733116	1632120	1291896	780306.8	2065343		42
1940436	1308243	1805506	1364437	1110474	0		2
3183495	2678326	2744870	2499605	2374331	0	[775][M]+	9
877487.6	1062719	724638.5	751021.6	1142757	610162		4
2329262	2331279	1244734	3757139	1910647	1924273	[M+K]+ 31:	252
9238782	6354431	6325742	7400562	6951216	8781153		2
85718.52	189731.6	186340.3	175211.9	95175.96	148799.4		70
3375247	6237207	3043842	7512109	5927842	1734962		1
11341818	12780106	10756031	12606776	10556471	5940133	[1606][M+2]+	2
395261.5	770500.8	612985	445855.3	463253.7	992418.4		4
20504247	27874620	20799983	7988012	17507525	19338025	[849][M+3]+	1
14463697	1458443	32937590	12007787	894874.9	12008763	[514][M]3+	9
3331441	5095410	4445671	1979370	5819767	3098596		58
3233608	3091390	2923438	2446593	2447953	7719107		2
66457.56	851088.1	875478.4	232402.2	518207.2	2133442		9
98680.53	87015.94	148430.8	360691.7	36956.9	170859.6		292
10384677	9326818	9226380	12153817	6906679	5214806		1
2001285	2056654	1597067	817620.3	1798628	243716.5		1
2150018	2528396	1644329	908018.6	2107459	2188433	[1555][M]+ [3M+K]+ 3:	8
15822573	20011483	23737304	16238564	42698805	18795017		269
224199.9	199042	107865.9	155108.4	93208.7	339439.3		523
1130799	909876.1	1404139	1703393	433152.3	353663.1		12
135448.3	28179.25	0	0	97184.12	12326.65	[813][M]3+	203
2086348	9730894	1591972	7999777	3450536	14072700	[M+H]+ 45:	11
819411.6	873477.5	579411.8	460402	475530	0	[M+H]+ 71:	81

12309612	32268950	21025161	20223665	32811444	57649739		2
23908792	4088614	1480698	2819383	3144848	3092107	[414][M+1]3+	2
3.51E+08	2.21E+08	1.72E+08	1.63E+08	1.33E+08	1.41E+08	[752][M]+	1
479465.3	447517	565386.5	225403.7	319633.7	296894.4	[M+2K]2+ :	38
2425609	4304281	4043041	1217533	3326250	2035605		18
2495416	2335298	2033355	3885588	2431109	1632809		2
14164519	6482804	14007186	5139371	11336015	12419017		2
2686743	4166388	4091285	2303717	5883973	8849462		93
9374942	10371176	9538654	9429472	8915362	13479693		156
17642004	17746711	15184474	16690831	17051752	11946859	[66][M]2+	4
16708977	11754244	13337740	16547784	11934403	2181033		2
3939087	2345299	2882984	2405697	3482700	2073460	[M+K+HCO	15
8119532	8896473	6577233	6024617	5819863	4596778		1
387262.1	1332033	641071.2	409881.9	356816.7	225720.6		4
4555343	4199467	4151266	3723455	2900960	481328.8		2
8581869	10717314	9948426	8565635	9541674	12890293		365
741056	586611.9	14223067	49375242	444485.1	627026.4		148
641608.9	725173.7	450661.9	473530.9	421945.8	379003.5		179
75159.98	639728.1	141157.3	58487.25	243690.9	928811.1		4
1.69E+08	1.85E+08	1.8E+08	1.76E+08	1.55E+08	1.3E+08	[255][M+1]+	24
40650076	28853695	32364013	38049441	31450222	9023239		2
3860025	2928923	2367649	3640387	3198695	1457837	[M+K]+ 37:	13
8570282	9073241	5076377	1566417	8271710	15775838		1
2564496	2453848	34271163	1.43E+08	5363969	2156945		59
899998.5	738247.2	839699.4	499085.9	576560.9	0		4
839650.6	1202903	648675.1	1144458	1004506	219432.9		9
15910984	27571832	27893425	15914486	18427529	10468576		1
846967.3	2032835	1816579	1488379	1564417	4043351	[M+Na+NH	13
6812629	1266114	13262169	11992283	1002115	2850946		9
235392.2	275265	236872.1	167271.2	161630.7	157459.5		118
50071833	56964079	45740338	41287276	54973686	40575474		9
640421.8	211806.6	420359.7	1185648	657189.8	469850.6	[1089][M]2+	59
141901.7	142485.8	28725.48	11851.71	218229.5	44731.54	[696][M+1]2+	105
192401.2	541614	817904	318283.8	178994.7	903040.8		4
1097092	1039613	673661.5	974412.5	1053078	305225.8	[M+H]+ 37:	8

1243323	1522371	2205842	1210504	740112.5	629153.3	[M+H] <sup>+</sup> 15!	6
327468.9	570578.8	499912.7	301455.8	735119.7	286573.4	[1028][M+1] <sup>3+</sup>	16
2608061	1785065	2272707	1759161	1837798	0	[1354][M+2] <sup>+</sup>	2
409672.1	232877.9	560558.1	270369.8	68104.76	333640.1	[1416][M+1] <sup>3+</sup>	72
2195348	6704315	6448691	6552856	7233588	5183442	[805][M+1] <sup>3+</sup>	1
109313.3	104242.9	17383203	71775338	1006188	40766.71		131
31515403	49014243	21162248	31795372	28633921	32327363	[M+Na] <sup>+</sup> 5!	3
7150635	8404550	5940358	6946591	7279728	6084582	[502][M+2] <sup>2+</sup>	2
10048731	9432523	8116847	6852954	5551126	2118117		2
1852936	2730657	2788782	2744856	2669589	2542383		192
120852.6	81684.27	43099664	1.81E+08	3000079	138654.8	[M+H] <sup>+</sup> 31!	86
1779266	2966540	1623212	1327351	1253775	2089985	[3M+Na+K]	8
18945052	19150626	14055251	12688263	13496557	28054069	[1390][M] <sup>+</sup> [M+Na] <sup>+</sup> 7!	12
5745144	9073762	7799229	4175091	6506119	8449623		9
5339418	5014588	9128093	5219441	4947610	6366182		368
1881928	2313295	2045058	1724712	1607987	1489707	[1203][M] <sup>+</sup>	299
240415.2	443056.9	181493.8	71819.75	283052	295983.7	[M+Na] <sup>+</sup> 6!	18
2394063	1905085	964085.4	1433231	1112048	1557710		330
397798.5	443486.6	291326.8	213947.2	324864	459184.8		91
1387776	1215214	1220079	828505.8	1004455	306639.4	[492][M] <sup>2+</sup>	490
1161298	1536238	1097742	3535394	1063685	1632698		4
3379635	728404.5	2933470	3327204	2528200	788587.2	[461][M+2] <sup>+</sup>	2
78765.45	8464.422	17142218	69819208	772386.8	0		161
9856382	4968141	4404449	6770799	5745029	3576633	[M+K] <sup>+</sup> 81!	14
561716.1	125419.1	36400613	1.64E+08	4723999	723985.2		82
2841935	2574503	2285012	2003841	2444571	1233673		4
7002895	6273151	6385802	4879968	4383761	3115162	[133][M+3] <sup>+</sup>	4
1671379	1579069	1906009	828095.5	1175959	565752.5		4
505114.3	743220.4	618213.5	457482.5	679431	397451.8	[M+Na] <sup>+</sup> 5!	134
14132023	12296323	12211731	11892535	12740216	8283036		4
5670384	6103967	6347241	4682928	7210460	1547826	[M+H-CO] <sup>+</sup>	15
24187687	24855340	20314149	24265154	24721769	10592595	[390][M] <sup>2+</sup>	2
7387564	8724076	1579515	5342307	9348502	55849632		3
5731667	4265389	4913509	5223548	4878050	625487.3		2
351166.7	223121.7	457802	217370.9	274943.2	231371.2	[M+2K] <sup>2+</sup> 6!	38

3193962	5233329	4063879	3859828	5812000	7877872		2
7752700	6911259	7075478	6966848	5968411	2743929	[415][M]2+	2
296214.9	387622.1	654634.4	410692.8	370143	212949.3	[M+H-H2O]	23
10014305	18482547	12577867	12155011	15247287	24089301		2
10614444	18247069	19511729	10340849	12376428	8961280		1
9448129	19173626	29312257	10835446	1903875	14115252		90
692593.9	1387121	148570.1	197474.4	290770.1	172066.4		124
3561566	3698297	8425135	3928911	4139784	4599534		191
1922342	3029678	2350033	1423721	2043626	790818.9		9
2265525	899489.8	1542770	3013992	1724662	8536433	[1253][M+5]+	2
667446.7	496222.2	531756.4	566018.5	370004.8	316075.3		9
1576791	1502753	1986188	1234350	1066351	3369161		9
3815340	4085339	4383521	2957599	4282688	2678496	[529][M+1]2+	20
1119452	2060968	1980455	10194735	1266924	1958136		4
4186014	1487304	1865962	2921699	2570660	89634.44	[98][M+1]2+	1
322219	631549.9	366276.3	234740.7	418606.1	464164		91
10337189	17883704	13371761	10197482	11739565	12857284		1
7047912	4899460	4528387	7168527	5020098	2367013		2
8298706	3688751	26438994	4.74E+09	20847208	3.46E+09		9
1202005	1091523	365696.6	681551.9	1058096	354405.5		9
26626113	28602455	28368239	22135898	25018540	21643361	[811][M+1]+	98
843225.8	414700.4	855386.4	971759	276305.9	192289.1	[1464][M+2]+	220
9938.19	13002.01	7664660	31803822	283900.9	8665.056	[311][M+1]+	79
2998702	11551974	6356458	4966459	12354972	65407951		2
3056980	3289379	5492761	861421	2502786	1541283	[3M+H+K]2	6
31616466	29062771	31647652	22773623	29412136	9677071	[M+K]+ 53	13
4301194	4667565	2860006	2934492	4267587	3777942		4
487707.3	437160.3	359955.3	432686	85406.05	391958.8	[M+K+HCO	16
192880.9	312256.3	345871.7	352346.9	201286	259083.2		480
7190051	4409868	5665202	6319798	4872994	535042.3		2
9102289	7700421	5610207	6889295	8592587	10178541		2
12674990	6171887	11514775	14673357	6435139	7970017	[448][M]+	181
12926823	8073146	10440523	5705526	12334186	10131196		2
1144110	1410068	568999.2	3610260	670043.6	1623747	[M+H-C6H:	46
960626.6	1686965	482799.9	233912.1	1070693	1515168	[M+Na]+ 5!	18

72471250	50254713	23384508	66868038	80731774	1.41E+08	[M+K]+ 51:	3
4131847	1418620	1412074	1468380	1478165	4781225		407
8963365	6184499	1262976	5968914	6597241	7921726		3
649600.1	792739.7	613688.7	810626.7	533546.3	894933.4		190
7144485	782788.3	8585258	1193303	585266.9	2192752		9
1670917	3627587	2631796	967680.6	1969715	4715004		4
1970905	2424705	1490106	1128389	2115526	1955365	[M+K]+ 72:	12
24824869	24294445	25149656	25112375	23436309	24073163	[495][M+1]+	121
79487.66	320409.6	71599.71	131267.6	207721.3	132987.2	[M+H]+ 35:	20
144262.2	100139.8	8155850	34197510	495647.9	16404.98		179
1710050	2593887	1450692	1666967	2969414	1772584		4
645186.6	313168.2	454877.4	269901.6	628610.4	16021.61		338
1772043	1815390	3059529	1526757	1750691	2622357		2
671817	1487765	1932585	637156.6	846833.4	1581307	[M+K]+ 19:	8
4757689	221378.9	4170575	4447416	1977789	0		2
5636910	3726160	5605422	5980552	4100460	4968986		192
2471324	4938888	2370374	1935772	5638909	13131344	[M+K]+ 42:	97
4367169	6439622	4465311	3444387	5376125	10423308	[M+3H-CO]	319
724090.4	717056	17045387	67979271	1056806	577585.9		133
4271406	5631604	3995647	3759923	5482998	3798180	[2M+Na+2]	13
458453.9	695062.4	335110.2	282571.8	599519.4	134530.2		4
1529155	2505770	3206255	4811853	1743028	2367658		337
1361484	1449644	2977312	1229119	1511790	1501394		1
906482.6	2192394	1720462	1868548	2464448	3088804		9
4000768	4423262	4247107	3923842	6001022	3727044		398
44574650	28382942	56091752	5194282	87237097	54266674		1
44668958	35114049	36006764	37998920	38976874	38067381	[469][M]2+	2
6448330	4443392	4587256	6172872	4690577	1838767		2
15271842	13915597	16657346	12559232	17099337	17484173		2
389581.8	495305.1	317247.6	165570.3	452289	2979021		91
1947837	100961.2	2105436	2493156	1814696	0		13
5025308	3654070	3097804	4710600	4164091	573704.4		2
335858.6	1537943	1232515	738995.1	725955.5	2697522		9
5857636	6529365	5574890	5785301	6378622	1699715	[1363][M]2+	2
3135341	3231166	2147784	2199798	3117293	1392082		9

5282736	2963372	3085271	1165757	5456641	5622483	[M+K]+ 412	15
871881.1	520985.4	460604.9	723311.5	3847023	3379558	[862][M+1]+	100
4.04E+09	3.46E+09	3.4E+09	3.68E+09	3.47E+09	2.16E+09		2
300501.6	559237.5	2992139	12672960	240615	128052		118
353574.6	0	846914.8	951664.6	568946	850551.3		152
1456922	1035543	1285444	669888.4	713722.6	0		1
2345312	455108.5	1371320	804477.5	1075574	0		182
394083.6	781472.4	896440.9	347131.3	407693.9	1685758		4
3445163	2654482	2958465	2771555	2725595	363694.4	[753][M]3+	4
1827074	5126480	5716465	1726232	5036365	3275475		332
15087429	3924962	4773320	8248188	11057579	2869770		1
447289.1	604232.2	234147.5	317802.1	632667	147875.5		4
2302895	3012415	1702518	1424315	6054650	5331036		157
946445.2	869033.7	5360702	15559285	734918.3	698621.2	[M+H-C5H8]	12
4598743	1481201	4306672	4910121	4777744	3280574	[M+K]+ 418	93
2123509	1976258	1813270	1801690	1772550	0	[M+H-CH2]	13
27235482	18834812	23054681	23763631	22499071	7659201		2
61554.5	255377.6	0	0	179957	233219.7	[M+H]+ 861	20
187365.2	938195.6	476220.4	248612.1	498454.6	288030.1		20
1133613	1119198	2923410	1254125	1850023	1140204		250
2.99E+08	2.18E+08	1.97E+08	2.54E+08	1.47E+08	97621936		2
748880.6	1266587	840530.3	631280.9	1080100	201836.3		9
1267302	1263171	1524075	951249.4	989745	949248.5	[1232][M]+	210
5789788	7473301	11553026	1832689	1423232	6159258	[M+H]+ 518	15
559493.4	1433905	312980.4	507707.1	650825.1	2909647		4
3831835	1973339	4305730	4333388	1784419	1136168	[1459][M]+	74
2719007	5835706	4888017	4429249	5385098	5068932		2
5230702	5926810	3246410	6981456	11926956	9003211	[3M+3Na+]	3
1018435	736811.3	1254056	877748	781630.3	1101870	[M+Na]+ 81	23
3491700	4018041	2160248	2756451	8103502	22758046		2
269079.9	442207.6	550895	207025.9	378985.4	91065.1	[M+H+NH3]	25
2875007	3147632	3803654	2225671	1421160	2717864	[M+H]+ 191	6
36869549	9.8E+09	13917169	9.97E+09	1.1E+10	8.27E+09		2
4846132	5664325	2831918	4172252	3829188	3392192	[972][M]+	9
47354201	25465166	41915408	52713558	25215859	27004019	[501][M]+	141



34338069	52638259	28685927	21162221	54098489	11600854		1
37781477	47389081	27714022	27778776	34417126	45009539	[695][M]+	119
3368768	2406036	2623971	2876729	1562212	493001.4	[1236][M+1]2+	2
13832256	6291328	6660866	11322774	8524782	975529.8		13
12706152	19346549	11084886	8836577	24719070	14738913	[M+K]+ 41:	15
1.28E+08	1.3E+08	1.25E+08	1.26E+08	1.2E+08	1.22E+08	[495][M]+ [M+H]+ 35:	121
363603.1	108146.2	313995.1	386790.8	378107.5	294379.4	[16][M+1]+	116
19350766	17493835	12228070	17397403	21519795	13015624	[1311][M+1]+	2
6432020	7731758	6338153	5298976	7055940	5251240		9
192699.1	309605.8	168870.3	93243.85	158713.9	81393.69	[36][M+1]+	18
2530948	3842597	2035545	1000016	3218912	4478808	[M+Na]+ 8:	38
23907825	25752722	30045336	24380441	27956824	18979126	[M+H]+ 38:	41
15766556	15402352	13780155	13123825	12679794	8283749	[1138][M]+	23
4881423	3890796	4423957	3692341	2930811	1168732		2
1120755	1630714	1233314	671257.3	1330516	2345544		4
4855859	666498.2	599838.2	4520550	905359	800112.5	[M+H+NH3	38
8260788	6687764	6550386	5030085	6848123	6684391		419
1757543	2110260	1912880	1355508	1839028	482167.5		9
1503852	1374471	3275164	3075670	3664054	2677028		2
21164404	30381662	123014.3	19844369	22082169	21065904	[M+K]+ 43:	15
1075431	391418.4	526909.9	512577.1	644153.2	372630.6		4
2537920	2644684	2181440	2472428	1892079	1136261	[M+K]+ 70:	23
3041255	2380842	3040255	2920676	2920916	160137.9		9
15886408	20862740	22674941	13354822	22361174	38989323		106
111474.5	468937.2	299574.7	119397.6	297737.6	1464655	[785][M+2]+	9
11939360	14177834	14396740	7191693	10405028	5203854		9
5966743	5520913	5105070	5507195	2746048	5459633		421
0	982813.2	25025.38	0	788940	339312.5		1
777813.2	1101502	955796	866319.4	939574.7	0	[845][M]2+	9
5477482	9242190	6213363	6558237	5274387	10404211		241
932281.3	905956.2	410479.4	676576.8	867723.3	90403.91		9
635913.7	1383339	843311.1	1783678	1047155	649006.9	[M+2H-CH:	20
3912692	4902430	14690007	5063742	5548707	4682402		341
11742924	18062631	13275178	7998953	22353148	15187904	[755][M]2+	15
4854536	5490991	2020353	3713918	3071312	4752037		2

8486736	2440472	1826085	1287315	2963391	1643547		53
1724573	1388797	1574745	1235232	1090019	1154093	[987][M]+	55
24593204	7453893	739880.8	1540585	9136194	10471598	[M+Na]+ 3!	15
5131943	5258771	5182157	5131637	5475014	4767207		183
1098736	670363.4	1437909	987213.4	594120	2002974	[225][M+2]+	9
315376.6	310338.3	496425.1	659755.7	239410.3	128087.5	[M+Na+CF:	57
5292206	3970800	3495669	215348	3862936	2553828	[217][M]+	76
914376.3	541107.3	946239.7	27470.33	1102083	324471.3		20
1551405	3011493	3750732	2093160	2272616	5318322		9
184601	437602.7	48196.55	55513.56	99536.76	299524.1	[M+K]+ 28!	12
6508257	3769521	2361490	4373122	2382535	3210000	[M+K]+ 63!	112
10821501	9684371	5659139	8545371	8487713	10890418	[616][M]2+	9
822721.5	84453.59	1761845	951472.6	1131612	150657.8	[142][M]3+	9
32917623	42579022	33071236	30045835	39896184	28572456	[1356][M]2+	2
1232936	1070663	1416017	1467829	1165054	1050013	[27][M+1]+	61
5256401	5575416	7032794	2022231	4232910	281008.2		1
2164593	4560073	3355297	631254.6	2968987	926570.1		1
453199.3	809784.7	644108.2	3792179	502139.6	1763941	[M+H]+ 20!	8
938853.5	734744.3	1079380	339783.4	353839.1	502657.3	[M+K]+ 20!	20
208824.1	1414872	5032100	832975.8	753876	247382		277
1060548	1563135	2044528	518823.2	1160295	2891161	[1090][M+1]2+	9
38170459	35990109	38654225	41231244	44741776	1.08E+08		2
328910.6	434268	417804.8	337743.9	493984.9	141566.7		91
6258153	9826409	9345698	9972665	901921.8	9562851		380
1162920	701529.1	626030.2	612784.3	1039478	553520.8		128
1893419	2057189	1500464	1263036	1352651	0		81
2876662	2802779	2516443	2107936	2701965	1681872		4
1183650	1310309	1084935	1319516	1085587	0		2
3124038	2760464	3775732	3703756	2785128	2939238	[524][M]+	410
3962555	2197834	1777958	3898308	6195216	1522468		2
15307659	15946095	16273579	13354729	610199.8	8789061	[666][M]+	4
836283.7	1172326	731979.8	573213.4	511874.3	326870.5		12
5707541	4795888	4559790	6306511	5153844	4764255		2
2091050	1434832	1746580	2506991	1552761	1636274	[1251][M+2]+	10
1697016	3032111	2738918	1001585	2698373	0		1

651291	521975.4	159227.7	908909.7	375675.5	809500.1		81
1155497	1318266	898869.4	821780.5	150414.6	458976.5	[M+Na]+ 3	423
10101885	11283535	8660082	7824434	7612023	14038042	[1430][M]+ [M+Na]+ 7	38
1727313	1485822	886864.7	1480655	772704.6	1065111		387
332786.3	222234.7	326408.2	288196.4	457160.2	481677.4	[1081][M+1]2+	134
1027462	992799.7	323749.3	770935.9	769080.6	0	[M+K]+ 34	21
279416.3	336312.7	292361.8	404718.2	255637	95148.47		16
2463572	2112273	1921164	1920904	1438023	1368754	[M+Na]+ 7	97
7775750	9756760	4995260	3368694	6448850	3375780		114
7106987	8885793	6612057	4669313	6086427	11661990	[1302][M+1]+	81
89728.3	39384.99	267549.7	67232.89	192442.9	775623.5	[808][M+1]2+	33
2351698	2499789	1724241	2225661	2201456	1858132	[66][M+1]2+	4
36547517	61734075	62429852	32976589	41909107	24054604		1
4246607	4367772	2375403	3043831	2907375	2702734	[821][M]+	137
1.17E+08	68602935	50077011	88553825	50080774	64536333	[146][M]2+	1
1318869	1815397	1367381	1181852	1811583	1193812		2
8.93E+08	9.77E+08	9.48E+08	9.36E+08	8.21E+08	6.92E+08	[255][M]+ [M+K]+ 24	24
1357942	248089.8	973762	678005.3	1120590	0		1
284038.5	433246.9	302420.4	224428.8	340225.6	428901	[M+H]+ 83	16
2688438	1916177	2589451	1000002	1991954	0		1
17222825	1666605	981022.3	5329580	1405178	7239995	[446][M+1]3+	2
590143.7	191392.7	157737.1	666729.8	406342.3	342229.6		33
1770711	2168722	1916139	1364632	1675410	912387	[1133][M+1]3+	9
980651.6	507410.2	443704.3	660211.6	931533	561803.5		89
4447742	4797430	3366298	3537610	6128700	3799135	[M+H+NH3	13
8499378	9626195	7725007	8111122	8635961	3713709		2
1916637	1912196	2064606	2037986	1976369	753617.2		366
8201517	540204.1	6205854	8092002	6997413	1866324		9
15284944	15763644	11338511	7584498	11166815	8318347		37
845753.1	1686286	764642.3	613298.6	396674	746271.2		5
400447.6	252851.9	250643.3	355077.4	275064.5	488378.7	[M+3H]3+	23
17293165	25659654	22437246	12031015	21957778	8970978		1
36313295	31906323	25508935	35583195	32534812	26049199		2
4449442	2899818	5627012	3333071	644558.9	2989950	[606][M+1]+	9
69869.31	58126.23	102708.9	56569.67	96570.09	21407.76		17

5195791	5379521	6682570	1323972	4223232	171502.2		1
411985	420974.6	450464.8	174784.7	777260.5	433333.4	[1620][M+1]+	58
9389864	3220986	9945523	7381192	10051548	1549797		1
3158357	2321350	2528126	2505305	1852876	3551087	[1187][M]2+	2
2337205	4911816	4821633	3077427	4596725	2480088		2
6655792	6436315	5870811	5118702	5791685	2672227		4
6131305	5725605	5727012	4388903	4803673	2224708	[710][M]+	4
60600456	66463392	1.06E+08	1.06E+08	1.21E+08	1.79E+08		114
7214413	6363247	6852408	7011104	4647116	1312964		9
596128.9	258428.7	476588.9	380554	296116.2	247238.4		255
6760757	4801405	67351158	7030738	14290886	26249325		1
6837214	417029	1199790	3479947	3561690	2635563		1
3189659	3514616	2753121	2115593	2611767	2774333		4
2019134	904337.5	2336421	2034286	1649545	914105	[M+2H-CH:	29
2500597	59693.93	1941319	2981941	2537098	557687.1		9
5481025	4660409	4039008	4374433	3982655	2744715	[586][M+1]2+	227
1589654	862160.4	551415.7	1440923	1157834	0		9
31969177	21831634	23065461	30910026	21843479	4352274		2
293492.5	628988.5	595823.9	237027.6	104768.5	787104.4	[723][M+1]+	336
4002313	6251749	3019313	3303636	6848782	21966206		2
65843352	71096812	48069416	51587470	30033040	23972353		44
579302.8	96609.91	617751.3	466267.1	489499.4	863108.4	[3M+Na+2I	8
3.87E+08	4.09E+08	4.03E+08	3.04E+08	3.08E+08	2.62E+08		73
289642.1	238826.6	200011.8	242474.6	252232.8	351156.4		469
2083233	2005706	1708940	1529243	1913522	1244120		4
4884244	5469502	4144688	4271221	5146704	3413945		2
5210850	5226058	4990663	5232685	4634418	5228284		400
10121917	6663382	8957991	10766486	5591770	1637114	[460][M+1]2+	2
580343.4	13632397	58893239	634548.5	1018581	1124121	[M+Na]+ 3!	58
6811333	7413278	6988098	5814905	6965478	1930010	[1625][M+1]+	2
715653.9	58515.02	515769.2	686716.3	1388331	176806.3		9
996005	1814879	2927201	850158	1286760	5404783		9
1810971	469529.2	611108.6	336485.1	1466030	2750191	[M+K]+ 38!	5
2160191	2100340	2276955	3531128	4200319	8588945		2
51079	72002.05	5167875	25066024	378025.6	7015.753	[323][M+1]+	88

289429.6	326346.5	470415.7	272558.5	273563.6	990216.2		64
12886568	12235586	11422272	1870704	10348624	17883496	[M+H-C4H8]	15
3449189	3423509	3044846	3247787	3070788	0		2
1457051	2074724	1515156	2582224	2064541	7148267		2
576415.8	1158442	1231904	1645433	789231.7	7517747	[75][M+2]+	9
1.54E+08	1.57E+08	1.33E+08	1.25E+08	1.79E+08	1.07E+08		110
1069370	5007068	9831427	10963102	8334691	2500751		2
5433519	4879329	3863762	4838428	5796708	1766389		14
118809.6	113781.2	6502482	29232091	264721.3	44020.39		86
44614369	35196844	28485402	46474310	45377643	34435944		2
18778383	18426266	16241684	13513733	14606689	10214980	[635][M+2]+	25
16410735	11080140	8034911	16834915	13046466	7450107	[3M+3Na+]	14
663873.5	0	604680.8	664776.9	467378.1	0		9
2085364	1675933	1780367	1986011	1961116	748660.7	[M+Na]+ 6!	185
104498.7	0	0	0	47839.47	9415.753	[813][M+1]3+	203
737665.6	759514.2	615685.7	215697.4	583509.5	74325.71	[M+Na+K+]	81
2134952	10779216	3781812	3763727	6487563	5168418	[M+Na+HC]	15
37456.31	0	6233807	30175044	318769.4	13080.7	[M+H-H2O]	88
813756.4	1097104	1350986	576802.7	727224.9	3910838	[M+3H-C2H4]	8
3783176	3232557	37584231	39179661	1290623	2668403		201
2824996	2373949	3317641	2167658	2353251	4809578		1
5282943	1175595	19224538	5914877	5959537	428716.4	[M+H]+ 33!	39
1.01E+08	1.02E+08	87482726	94543532	93263666	51957002	[1315][M]+	2
1863051	1242788	2172162	1556220	939753.8	0		1
4451707	6355432	7874078	4056861	3695775	1073228	[694][M+1]2+	15
3.75E+08	3.78E+08	3.8E+08	3.21E+08	699356.9	1.89E+08		4
1281593	1233497	1601986	970244	1057246	645895.6		70
1346272	1645270	1562498	1143987	1076678	1092017	[1433][M+1]+	338
851467.7	1208204	494164	536295.4	904735.1	122398.4	[997][M+1]3+	16
2058583	1670965	346236.9	706062.4	2135945	443606.6		1
2173077	2872270	3693776	2031850	3437236	1072909		2
3210811	3499267	2513010	2212943	3111858	1322626		9
6214464	2454287	2997777	3623329	4270982	2226222		2
4495924	5339661	3974223	3460123	4200561	2750152		9
5459250	3775913	3644380	5374217	3210433	1630467		2

457779.2	802551.2	383812.6	149910.5	181594.8	844443.2		5
3242200	5458933	2133558	1778555	9298202	14523403	[502][M+4]2+	2
554909.1	731797.4	88216069	28630612	764706.1	13889154	[M+H-COCl	3
299154.4	173242.9	357247.3	391596.8	136294.3	255773.4		17
7066367	3013390	6540978	6767616	6210712	5729211		307
503606.4	708361.5	354247.1	399082.9	388091.2	505534.3	[1613][M]+ [M+Na]+ 1	23
9575102	1916765	7949379	789129.7	2081793	4518846	[665][M]3+	4
14898901	6569102	10098647	13763156	8414052	2570194		2
1094691	350938.2	1051000	534083.4	352242.5	1007387		4
4886720	4320826	4375866	4351251	4424739	3929458		174
4347423	1027159	2996087	2551529	1426448	3471362	[M+3Na-H]	15
2891821	3531089	3080342	1722721	3186985	9561613	[1626][M]2+	2
4157068	1569056	1.35E+08	38589203	4380990	292866.1	[M+H+NH3	35
1785644	2195390	1856117	1261682	1891676	911317.8		9
11849023	277132.7	21016060	9927626	14554061	2757950	[M+2H-CH <sub>3</sub>	6
2892662	584345.1	1246101	2075292	1380343	759754.5		14
9074456	9086807	4868604	9995947	10141577	8797227	[1572][M+1]2+	2
334760.1	395081	827605.5	917684.8	606673.2	699801.1	[M+H+HCC	23
1260982	1947727	1564015	1446575	925273.6	1199406	[1413][M+1]2+	33
7029384	3787845	4625941	5462234	6877101	6589168		174
1658384	1872481	6055886	5026895	1718720	6276750	[412][M+3]+	9
1301358	1273551	463870	295487.7	415178.5	273226.6	[422][M+1]2+	4
2082073	2234649	2304408	2248978	2761565	2134078		390
3043438	2422167	852921.5	1535504	3945031	1719762	[3M+3Na+H	3
4809348	1856752	1982001	3573762	1472606	298191.5	[M+H-C6H <sub>5</sub>	6
3420931	2305201	3120909	2006891	2652264	1140294		4
625732.8	904179.3	0	0	896848.4	0		1
327413.7	118431.2	291541.3	481243.3	350399.7	308695.2		489
212107.3	999057.5	1256056	222233.4	559868.1	2450006	[2M+2Na+H	13
9892162	7704048	6813191	11358579	7471532	2705012		2
5689874	12037913	7596104	3634424	10824589	9755323	[3M+H+K]2	15
66730.28	79484.04	6613854	34960936	532330.2	74974.88	[324][M+1]+	32
1275467	1966170	1590108	923022.5	839619.1	1626768		134
12904915	8821176	4435358	5700557	8889456	3242783		2
905802.5	802248.6	5082021	811830.8	758803.6	1605426		9

5464142	9912927	10221133	4416545	5814655	7611387		1
4.27E+08	3.87E+08	3.88E+08	3.75E+08	3.76E+08	2.57E+08	[51][M]+	4
834888	594433.2	255728.5	807698.6	364099.5	478156.8	[121][M+1]+	298
3230874	2222079	2623084	1771993	2240347	886569.2	[337][M+1]2+	4
3210376	3297923	2269503	3032461	3076345	2790498	[1175][M+1]2+	190
908227.8	1269077	2043622	715701.4	1104539	2306320	[673][M+1]+	3
10897478	17958059	10510145	8806242	13372872	34738078		2
2942676	991087.8	2277313	2223041	656322.6	1441687		2
413981.7	329018.5	465691.9	148706.6	390461.2	193558		283
1152824	1525688	1606183	598173.2	1028658	547803.1	[274][M+2]3+	9
2212300	2463883	2981318	2230028	2002191	1552665	[1531][M]+	37
6895576	5283195	9798928	5719533	12983676	6824145	[M+H]+ 50	356
16077530	27781041	29124746	17678651	17896461	11102878		1
3435711	2022485	911545	866533.9	1610353	5943164	[M+2H-CH <sub>2</sub> ]	3
21721723	29922264	25597914	19189538	18517232	14413693		1
26332847	17193717	18357148	7535462	18346009	12921607	[471][M]3+	319
7834558	9921972	9559100	8918872	8316172	6177176	[255][M+2]+	24
33217756	29088616	28501934	32125471	28705994	10604548		2
1037593	1145476	958780.2	405521.8	779249.6	824423.3	[M+H]+ 37	12
4860597	1.42E+08	3518414	5159284	2293099	1456483	[1205][M+2]+	2
2124896	1199870	1359359	2158055	1363186	33991.58		4
159548.6	2093068	18406647	1.05E+08	2652435	270607.1		89
2314774	5.69E+08	5.27E+08	1766213	4.8E+08	3.87E+08		25
18906448	15379038	18420605	22038473	23600844	21311666		2
11709982	9523480	9003847	10013294	10490290	6284141		9
2057172	2195343	5862372	2558130	2153520	1855050	[896][M]+	22
2065548	2668748	1400863	1156620	3564356	124823.9		15
7298854	8204542	10341188	7768609	14558699	24749707		2
925466.9	1795983	1212478	800600.6	1953211	2927553	[M+Na+2K]	97
5131007	5837267	6187716	5580782	8108183	5776932		310
8558131	5210541	1715252	8096839	6114931	16090871	[M+Na]+ 3	97
659772.8	668627.7	559251.6	269176.2	519833.3	289120.9		89
439130.1	885836.2	942528.3	293057.1	736624.6	536313.6		4
1312272	1346857	6755889	3296440	1229553	674057.5		118
1888805	1801387	5077376	5789755	1688268	1001985	[M+K]+ 21	16

3350623	5384691	2642088	796854.1	3758101	1677868	[M+K]+ 32:	3
4412850	4256155	4313872	5683901	4287666	4188543		321
6438184	10985184	10407132	6113387	6861659	5915620		15
936229.1	619110	1096668	860862.9	790674.7	342515.5		28
204458.5	1471704	850147.2	1138843	858932.5	943972.6	[M+H]+ 54:	18
6630765	9597447	5741439	6067682	7263034	3871704	[1167][M]2+	2
784139	1158812	3588045	505445.8	870115.8	1764862		9
1830355	3210094	2831522	2265443	2453292	2984749	[1447][M]+	7
5802097	4440509	3299295	7467862	5345462	565850.7		2
3350902	1985001	4594249	4532805	6322065	2823580		1
2594799	2334248	2175278	2486947	2467377	467150.1	[8][M]3+	9
0	1234955	768358.9	381034.1	3216524	11685470		2
1296911	3377907	1904468	1391493	2598080	5958603	[1101][M+1]3+	9
4116909	3110542	2906484	3254836	2556689	569731.4		9
1.08E+08	1287395	53079145	694675.4	1.31E+08	1.56E+08		11
522607.9	610831.6	186201.2	431822.3	505236.5	673018.8	[M+H+NH3	25
915477.2	2792859	870963.3	2560793	2984455	15014283		2
4888831	39724436	3568605	3341358	11162251	18827663		2
1535928	867078.5	1286489	1619599	534692.2	416024.3	[1452][M+1]+	42
2670835	3218037	2505581	25210799	2932132	7425360		2
480053.2	669444.8	51727.32	544985	169339.5	161230.6		41
2877061	4237861	3006204	2226649	5118917	6782034		29
4953704	4032945	4146623	4873800	4056738	13567280		2
601756.3	2036830	1011805	125168.7	373832.5	760974.9	[1483][M]3+	18
0	0	628470.6	0	114711.8	393234.7		9
2620323	2619583	2286688	4266623	5499352	5513710		2
1158416	1663941	826075.5	1162861	1050269	1462250	[M+K]+ 10:	62
1003466	2324881	1436062	850004	2976673	7739729		2
2259501	2536634	750367.2	1503951	2413469	1995414		9
3178726	2903596	3008136	1847046	2525695	1000966	[1118][M]+ [M+H]+ 62:	302
3329562	3473746	3366192	3052915	3194184	3964442		208
11598824	6848854	14010094	9357967	9108319	9921165		256
2.67E+08	2.97E+08	2.4E+08	668181.3	369776.7	2.02E+08		31
2467099	2592699	1797904	3879816	2157986	54608510		2
1851077	6136718	3253367	2603115	6952290	1513556		1



7710983	6971255	7267247	6809326	6291398	1551473	[444][M]2+	2
23154894	19539285	20228339	17367690	18797642	9589597	[1394][M]+ [M+H]+ 74	232
5055714	9345805	10221290	5546125	6654566	2767565	[358][M+1]+	1
2950972	3636392	2663775	2404673	2981033	2135384	[330][M]3+	2
398734.3	382361	194713.9	244757.6	311794	164530.3		273
54440899	1.04E+08	97643350	55440289	54422091	50880882		1
20248554	24123757	13941480	16551457	22986267	16385848	[1064][M]3+	9
45058246	41989270	41749432	38857569	39327944	26284963	[9][M]+	4
13930258	11653116	11440516	11844296	12266451	4133197	[M+K]+ 77!	13
4623573	1741992	2996680	2559558	4053803	6302684	[M+2H-CH:	97
3833701	4696171	5310185	3144783	5278942	2349787		1
41750757	37722718	36424351	36672846	38459740	23849542	[593][M]+	4
1781804	847002.1	816118.3	1494589	1305524	249294.7		4
15665533	13210546	5261432	3940475	10707891	3553762	[471][M+1]3+	319
1699690	1804605	1728649	215685.1	1856746	1473676		75
2097013	2208345	1880227	2175319	1898556	850246.8		9
13903811	7843058	8311868	14676326	7689260	209425.8		2
9.23E+08	1138117	1.16E+09	2427748	9.45E+08	1694235	[M+H]+ 33!	13
905494.9	1417602	896248.5	1046588	1215014	1294789	[1450][M]+ [M+K]+ 76!	38
307056.5	2794502	4105166	3421511	1830012	246086.2		46
8217910	1153968	558410.7	1148751	1564390	2665041		89
14496140	24503537	23417722	11377858	15872432	11450657		1
1230249	1082654	994092.4	693187.5	715262.6	176841.5	[307][M]2+ [M+2H]2+ (	302
6995355	7335866	7014492	6416101	931762.3	6959543		419
1517273	1008579	1601501	1268020	1051664	577350.3	[1525][M]+	203
6837310	4889397	7027395	5114205	4417283	2638051	[136][M+1]2+	215
480825.1	1243072	934660.2	163219.4	598139.1	147696.4		9
22297510	15821105	15283600	19081715	15230515	3169731		2
3415585	798963	2207989	3019747	2321378	2836041		2
7619165	6351424	6713103	6125906	7390541	1096513	[289][M]+	9
9141911	17928265	19284738	9488967	10458740	6501799	[50][M]3+	15
4585830	3588039	3033982	4852431	3221915	3506303		2
4473892	4374390	4333974	3297816	3370104	2454078	[1121][M]+	23
66719760	55676548	57699245	67034337	68050454	37961743	[436][M+1]2+	2
4442557	3253050	3298524	3625144	3113848	5583630		2

1731036	1475612	837747.3	1649067	1835542	1036579		9
758081.4	799769.2	20709898	21117845	719753.2	7121573		9
1177196	1290367	1225310	752206.4	992806.9	221508.1		4
3940907	787598	4420947	2079875	2429381	199427.3	[924][M+1]2+	1
668730.4	367059.4	179272.3	310259.1	460863.7	11344.3		338
5270529	7364385	7071594	3227436	5605268	2648698		46
1626017	1866994	2319223	1090152	2081314	1008826	[3M+2H]2+	39
711446.4	175080.6	895261.9	1070861	521462.4	951519	[696][M]2+	105
1293297	1022408	1175950	1426564	1453144	2192769	[M+3H-H2O]	14
1572359	1687534	139276.3	968915.6	2010218	345373.7	[M+Na]+ 2:	3
1.37E+08	1.22E+08	1.26E+08	1.08E+08	1.08E+08	68153756	[M+H]+ 56:	42
1528244	2574914	2253576	1152293	1469184	2686213	[428][M+2]+	4
6123408	3147152	7937042	6091678	2387035	3212715	[131][M]+ [M+Na]+ 2:	297
20901593	10521578	5498979	11827001	13979238	6649100		2
18720578	18265198	14088586	16610325	21150810	15979005	[41][M+2]3+	2
3623506	0	3391883	2110604	1891939	2037838		2
5263819	3426323	6376577	3974169	4037188	3771631		199
4304302	5945694	4009144	3522754	5074190	4179265		13
3004322	525730.6	483290	704276.3	740867.5	1099922	[4][M+1]+	96
1640878	3078818	1255304	1777355	2253816	5346588		4
70004917	1.2E+08	1.17E+08	73779782	85793237	51796503	[849][M]+	1
1147563	929579.2	950743.9	1232809	1321240	259596.2	[M+H-CH3]	5
18769113	28299227	19201378	16920933	25209304	49396735	[1154][M]2+	2
4050906	3796981	3933518	3032419	3472714	1762040		4
3987896	4759738	4716505	3918238	3978331	3779000	[M+Na]+ 3:	382
1.5E+08	1.47E+08	1.31E+08	1.38E+08	1.33E+08	60439869		2
15411370	28653984	24868464	7383024	13627581	10555494		1
335314.7	1434237	1172792	5265397	621615.3	1108494	[1388][M+1]+	46
1079642	394117.7	439327.5	495531.6	423194	341030		152
5645682	2375728	7086413	5095602	2096165	1947654		256
4376426	3562365	3949019	4009973	2695653	1108916		210
10192566	16998297	904655.2	7764927	6183965	5135841	[M+Na]+ 4:	41
179619.8	414563.7	483884	224015.1	199857.8	410597	[1519][M+1]2+	16
5446948	3096476	577161.1	579829.1	485744	8097726		341
831938.2	2227986	935480.6	38775.23	291379.2	1150307		18

3278421	3636362	3338029	523985.2	1130708	3032035	[M+Na]+ 30	136
2936044	2805852	4065471	1812775	3009622	1871521	[999][M]+ [M+H]+ 54	57
2869118	6598431	52626343	1693808	5329886	11152413		9
2651809	2075890	4527460	2378884	1460816	882451.5		1
1307628	1448104	1838593	0	932121.4	0		1
1148263	675498.4	1369105	919099.1	788008.9	0		9
3304958	10563759	5046286	4335765	689885.8	7869051		3
648480.7	400912.8	591026.2	731430.6	211228.8	216181.9	[1554][M+1]+	497
684485.2	1100850	3368508	469992.6	962565.8	1853550	[M+Na+CF <sub>3</sub> ]	8
67801680	1.17E+08	1.24E+08	66061652	71653546	51331012	[M+Na]+ 4	15
861232.1	4899944	1524750	2328532	4145074	19948159		2
1948791	1905780	2598252	1298479	1362655	220731.6		13
1134324	1129534	830721.1	917469.5	806484.7	619353.4	[317][M+1]+	161
2406872	1542240	1415282	2376490	2985152	3344242	[M+2Na-H]	13
6057147	10098962	5149231	13495871	4971206	15201293	[M+K]+ 48	15
17868574	11536669	21677063	1705589	32507061	4455719		1
370632.2	929342.2	1461974	276788.4	1369893	4808685		9
792529.1	931392.2	617349.9	256161.4	574731.7	516487.2		9
37615353	32199528	31794016	31399498	28989250	19811526		166
1313515	1018833	987056.9	459746.1	1296167	1969230		4
217314.5	230993.4	548394.4	404161.6	255391.1	336996.7	[128][M+1]+	69
1146651	735722.4	1098215	1454592	633833.1	305414		9
359378.5	1083210	574530.2	227152.5	595695.2	2319720		4
4198341	3812995	3831518	3530916	3966860	710713.6		9
5094119	9365141	10199115	6000207	6810963	3291819	[2M+H]+ 3	15
2869540	7078386	374136.6	1610524	5852731	9869629	[M+Na]+ 4	11
1792328	2002234	1607351	1510532	1125384	1112134		9
3464528	1935651	3159598	2409517	2183026	151690.3		1
6218784	5321406	5624008	3165145	4577747	2250239		2
1281212	3267959	975548	1143792	2424429	4462773	[M+H+HCC]	21
3180273	5637762	2879710	6825557	7625561	1079651	[M+Na]+ 4	398
155648.2	164102.1	309446	265227.7	139006.7	33032.82	[2M+2Na+H]	16
1366243	1322705	1182684	913078.1	570961.1	765144.5	[1121][M+1]+	23
344953.4	296812.3	2733652	12381605	89413.52	258591.3		154
293858.2	3143489	1827887	14918984	3393327	4259597	[431][M+1]+	2

2.24E+09	2.33E+09	1.95E+09	2.56E+09	2.25E+09	2.09E+09	[1247][M+2]+	2
3624781	4628298	3121134	2728736	4592300	3568959	[1044][M+1]+	13
15213672	323931.4	293382.6	806381.1	504119	1605143	[318][M]+	59
1853476	705110.7	1421397	1485285	366638.4	208883.9	[M+K]+ 78:	58
1441471	2003202	2944108	689298.1	1872729	1052848	[1376][M+1]+	332
64157768	53682068	51895499	65163848	55429781	23110459		2
33300214	44484805	46377505	26611648	29998561	12953723	[M+H+NH3	81
424756.9	7569811	3302983	7611488	7272568	7266111		333
11110418	9885728	9216542	12409658	4110279	5826693	[294][M]+	207
2928626	1024266	960249.9	2028067	748224.5	1363014		1
162142.5	170425.5	67037.07	147822.3	160166.4	134364.4	[1541][M]2+	110
6576174	4991915	3268495	5821479	7130853	10439239		363
33496159	60737781	63929520	32342835	41824404	23994737	[365][M]+	1
575064.1	315544.5	231390.9	591815.7	315814.3	159465.3	[M+Na]+ 5:	42
147632.7	39714.82	0	0	62355.98	37148.41		59
10445525	14090302	13447510	10439171	10209940	7048901		9
1466675	929902.6	917900.8	1005667	921977.6	196749.5		4
1836317	0	1412186	1688442	715848.4	0		2
35609334	789384.4	9486051	2202600	34875600	4394188		21
4010515	2025820	7434632	2719944	3517218	832391.7	[3M+2Na]2	47
1511788	537267.8	8541114	7400407	3341982	4045955		2
36523728	28863828	29954943	35454904	27711856	6899665		2
3604035	7754195	3986482	1134031	9868028	12558147	[23][M]2+	1
1206078	1491171	2653771	874160.9	1552120	1515848	[M+H]+ 53:	38
1268731	3051352	1409746	1867981	3262297	4423504		2
5882236	2059138	1649330	3924644	4968288	3356483		1
1.18E+08	2E+08	1.85E+08	1.09E+08	1.37E+08	1.08E+08	[846][M]+	1
484099.5	448461.4	8073260	3177860	2649848	4010755		9
6522929	6343201	6338477	6239136	5879480	5766982		301
4030942	3884748	3846792	3172040	3487365	1679607		4
17494360	13700990	17518300	16498369	10322355	307451		1
49461058	21304375	48590553	43541732	13187682	73837023		4
2078671	2863944	2809270	7263538	2874077	2604038		396
1566686	519405.3	165158.3	460233.9	2672727	273793.1	[1466][M]+	406
310959.1	463825.2	379536.5	230845.9	117041.5	2198590		38

15678510	10702802	11635768	13964545	10502397	4335531		2
2618536	2318198	1976184	1569603	2474447	2080575	[1151][M+1]3+	2
6009510	5958290	6042028	5550548	3223982	3124809	[M+H]+ 45	14
3265959	3955955	3944444	3867048	3782945	3489745		196
108274.4	725099	2137046	0	363510.2	1156234	[M+2H-NH	13
9476178	15760347	8493809	5671837	7936314	10311760		9
2424782	2328264	3254934	2133341	1071319	0		9
1777167	2203270	2342675	1861315	1672170	672337.7	[M+H+NH3	134
1876650	2425678	1092930	1932248	2806493	1314353		9
1439938	1361834	2216545	1455866	579409	3007861		9
1163788	469921.2	553952.8	932613.3	812714.9	162647.3		9
687971.7	780348.2	1134008	789476.3	405086.1	241231.5		9
508467.1	627566.7	677246.5	392115.9	302642.5	414398.1		4
5434274	4645570	1610910	4882961	2182226	2150751		111
935326.4	1410186	1036661	774562.2	631090.1	933737.4	[M+2H-CH	20
2506793	339728	4877425	3023221	2927683	1549595		279
1624633	663526.3	1293548	2159318	1592246	1141371	[M+3H-C5+	13
2820489	3404965	2421802	2029313	3661429	10014538		2
1080850	970356.9	965377.4	1037087	787245.7	2593069		9
3151799	1370871	2494724	1939744	960925.7	2228998		2
161740.4	323110.5	146272.6	218894.8	146099.9	325498.7		254
2465109	1789434	2854645	174967.4	1499880	251587.1		1
2129612	1785377	695766	3133837	2501601	2268716		9
1034030	1329742	1146432	1199521	2939747	2469376		1
649845.3	0	239837	346110.3	665574	0		9
3412708	2880642	2148788	2392878	2164705	200595.5	[M+H-CO]+	81
334278.4	168459.8	64279.49	143229.9	658519.7	77528.45		453
1661973	2061734	2745147	229626.5	1854690	127339.9		1
3709313	4974259	3943570	2543419	3448692	1749703		9
9182518	11948817	8282103	8891787	14700624	20575999	[359][M]3+	2
2841129	5236990	4602919	6747931	5890090	5427770	[M+H]+ 35	314
3355058	3424258	3450649	3518950	305023.9	3694942	[155][M]+	173
798195.9	911682.7	509017.9	537866.5	1060667	521734.3		4
3293857	4113799	3573865	3125988	4193848	2903652		346
1293305	668492.3	1393050	1800061	1651525	3643217	[M+H]+ 30	136

2799048	5205834	4957673	3617984	3744223	4167992		1
2033124	1553908	3352870	3946646	4636654	14849860		2
1436181	1970601	1202139	1113050	2365834	1944215		8
3204373	4736528	3249959	3631497	4552950	7763816		2
9.67E+08	7.33E+08	7.71E+08	9.23E+08	7.27E+08	3.55E+08		2
28224182	23350146	24582213	25298009	26178364	6600510		9
1278978	1455700	932376.4	928891.3	1223654	0		9
1983588	2158436	1686276	801719.3	3663317	2318247		1
5753944	5281293	6041656	5058142	4748013	782713.7		9
814623.1	687043.1	725071.8	1250153	237852.1	174613.3	[1557][M+1]+	12
712368.3	694159.8	468192.3	89125.64	467465	315842.7		81
1.91E+08	1.33E+08	1.55E+08	1.73E+08	1.52E+08	56237924	[1253][M]+	2
21836801	18459009	19358288	19270144	20201967	5115034		9
812160.9	1150018	685861.7	933569.2	1130036	1100641		9
1204332	324620.6	533845.9	668834.9	470188.2	48238.36		91
39910.22	10781.49	3542433	21207939	212101.6	0		96
339461.9	586168.1	542716.2	688154.5	524813.2	487817.4		99
3415831	7469827	3698840	3422735	8473867	13816561	[1162][M+2]3+	2
810158.3	1029615	647511.6	441143.7	492359.9	1195740		16
5379657	4829377	4099439	4737196	5534819	1145691	[M+H-C2H4	13
364635.5	518254.5	592631.6	681224.4	665615.8	464737.1		366
2596542	2396659	2319234	1863528	2451690	1544619	[113][M]2+	4
429897.1	232403.4	268823.3	225954.9	196506.5	10798.29		86
336083.4	1492062	221572.6	128544.3	1570284	2612975		14
70113122	63405573	64835584	60190430	61506810	41280047	[176][M+1]+	4
12015700	21169514	10077110	12736621	21223615	59618812		2
1474873	1388838	1898366	938634	1405775	208925.7	[1534][M]+ [2M+H]+ 4	6
1319981	1554948	1334644	398221.6	1271491	913208.1		24
14473683	10331134	5879867	13810409	13568963	3841115	[M+Na]+ 3	14
934171.5	347323.9	775700.6	3925068	430588.3	981046.8		89
7569301	9143730	3760219	6234822	8491052	5946251		9
1051529	1383154	873469.3	986581.2	588021.5	643063.4		355
3301340	3431223	2959625	1688761	4313536	2095491		2
1029026	1576116	1699409	1844680	1278779	0	[M+K]+ 41	13
808498.3	865407.3	635373.8	559058.4	554031.6	0	[M+H-CH4]	81

401316.3	37345.48	3457062	1809644	539264.9	451767.7	[M+H] <sup>+</sup> 28!	8
3243437	4370994	7988525	6366250	55753245	7234993		208
20481335	23682766	19136255	17187625	22887945	16402447		9
13631757	358127.1	287955.2	774295.9	416454.6	1260363	[381][M] <sup>+</sup>	59
15496845	35155907	30647658	8244959	98403900	51595083		1
479829.9	415120.7	330368.1	414167.9	114729.1	325229.5		217
3469123	1511210	3471774	2867472	1276108	1913740		127
3038031	8209347	10280704	9205838	7497079	7934100	[M+K] <sup>+</sup> 13!	13
1.13E+08	92263289	94783979	1.03E+08	79601074	33946671		2
16891166	3785883	3387896	16376624	15738891	473010.3		316
13488246	6904721	10417712	12854377	9650335	3206014		2
4590107	1537140	2937395	2635979	2482050	73474.22	[1178][M] <sup>2</sup> [3M+2H] <sup>2+</sup>	169
505672	717362.1	1508993	560303.3	575198.1	768343		9
78544.28	96927.05	139537.7	455617.2	100791.6	182001.9	[M+Na] <sup>+</sup> 2!	342
2059462	2293341	2267654	1399007	2518551	6957410		345
6049323	6133060	17412912	3630541	4063459	16487403	[M+Na] <sup>+</sup> 4!	12
350127.2	461841.7	337835.4	191613.8	151547.8	201643.3	[1613][M+1] <sup>+</sup>	23
6120976	4635920	5602754	6244680	4550417	2070930		2
12267666	12455891	7667971	7973456	14033798	4093563		15
2127929	2265946	2152779	1000729	2137141	1415850	[M+Na+K] <sup>2</sup>	16
248442	469433.5	275045.7	249357.4	327349.4	367546.5		157
739247.6	558487	511468.6	631646.2	598833.8	438850.2		4
6941618	2765059	1823735	3802785	3770649	0		2
76805291	60514473	14711855	10958494	11439348	69001429		1
1668745	881995.6	831402.5	864807.6	701005.8	336225.2	[738][M+1] <sup>2+</sup>	294
8027098	524100.4	431466.8	7563376	4318301	3201253		2
3758283	3256578	2913473	3126463	3201246	1433009	[M+K] <sup>+</sup> 34!	14
1467117	1775533	2631678	1175561	1430455	2562179		9
20502923	19755829	17457671	19546752	16252652	3827718		2
834808.1	1859446	3703218	550467.4	1892858	928522.1		4
7470412	5015302	6921556	7240210	5739255	3391008	[M+H] <sup>+</sup> 48!	323
9452586	9552326	7361976	7235875	11164792	11062470	[M+2Na+K] <sup>+</sup>	97
925847.1	1121308	1085514	377797.2	1052170	2209077	[354][M] <sup>2+</sup>	17
42926.7	39568.31	4550865	27387629	106174.3	7606.344	[382][M+1] <sup>+</sup>	104
2323694	366568	1629619	1542842	2185955	0		9

1474638	996081.8	54260465	703475.8	513036.7	3.11E+08		40
3979022	3979127	5936922	878432.1	8654115	6927172	[M+H-CO2]	356
3237804	1933697	1213612	3104075	2703355	223527.1		9
6746804	3970354	4399495	6868449	5483538	2028746		2
4292015	6803594	3735607	4001913	3826707	2431055		2
30435089	25271156	2661350	24610192	25945663	26254919	[M+Na]+ 3'	11
511106.9	643734.2	1343811	473221.3	480248.3	1235546		9
8452706	6504576	5917017	9746061	6824088	4366442	[1215][M+1]2+	2
19896507	40508891	37889432	19720953	47268671	5949425	[583][M]2+	1
1317819	3965813	43557774	1515105	1508110	4903294		20
1499821	1796942	1492494	682192	1478672	308763.4		12
2239998	3640063	3808238	1371367	4374641	476876		1
2182282	3619601	2142797	1503183	4132839	6885886		9
845087.3	651137.6	804903.5	916359.4	345139.2	574019.7		17
1354203	67800.58	1553838	906155.6	737617.4	0		9
693708.7	606240.2	562828.3	614894.4	456781.7	119377.3	[1548][M]+	210
4140603	654469	5228498	849355.4	3849376	2084263		1
3656402	3093887	3620796	2226982	2888625	755644.4		1
27307029	13455451	7787622	23073122	6264098	6759809		22
1.42E+08	89330486	78033213	56770258	54318484	55053688		1
912047.7	775224.8	237150.8	459016.7	747834.8	116141.9		9
877067.3	791810.5	1458330	830765.8	704185.5	1999600		9
148001.8	666087.4	610994.9	292954.4	182063.4	669330.4		4
19513598	19312195	18847603	13892893	15453337	11659847	[714][M]+	4
687477.8	82822.93	542306.4	472250.2	300931.9	255145.8		33
454821.2	103394.9	499635.8	532755.5	342332.3	280921.8		100
1066985	2726522	3031851	4514116	825298.8	10815390		1
429768.4	547505.6	336442.5	482875	468458.7	205921.4		8
3593299	3122628	3657242	1710711	3064137	1008125		1
418676.5	1250648	531484.8	0	125257.1	379115.4	[1483][M+2]3+	18
6582383	5797027	4839123	9972119	3930229	5749315		364
3035334	2762292	2518038	2764527	1743576	2830541		2
3418064	8060490	3526481	5778320	5394069	5533225		449
7166499	6127075	5453319	7709310	7759695	2311799	[973][M]+	9
259517.4	1682493	1546812	1621926	230185.8	156288.2		481



1281550	1115097	1917628	1418196	1282383	1027457	[1539][M]+	338
3118734	2280605	2456277	1763562	955544.6	182168.6		145
49930.66	991489.3	17355924	1.09E+08	315838.2	70056.92	[M+K]+ 14!	93
551946.7	299366.8	384486.1	389014.6	320294.3	176595.6	[M+H+CF3O	342
405551.4	546556.8	1472443	403070.9	651077.8	2125707	[M+Na]+ 5!	8
942982.4	1093596	1022084	383323.3	873406.7	4045140		203
1084562	3281582	1227391	262997.1	2234666	702082.2		1
2300136	1983319	3876219	4759914	2742591	5975572	[1278][M]+	130
13500685	332371.8	638472.2	518204	607428.1	6621550	[410][M]+	59
17098391	20500179	13243159	12187650	14055471	15102010		1
67544557	1.17E+08	1.22E+08	75593577	70963535	51353581	[750][M]+	1
1.08E+08	79194253	84875420	1.03E+08	81009883	33324013		2
2856406	3111524	5481655	1768663	2808545	2722476		337
9649007	4113191	4580623	9839246	5033603	783529.4		14
806097	734030.1	1081973	804818.2	974664.2	960269.4		79
11584500	8847102	13701875	8400950	7152621	3601805	[M+H]+ 22!	116
4504774	5836341	5461704	5379436	3782181	5098490		320
17210780	21473151	18394910	18906829	29204143	2818755	[M+H-COCl	15
3861384	4176348	3443120	3486491	3843566	3994534	[M+Na]+ 2!	253
25559759	16249671	41618707	42076451	11480399	34906482	[215][M+1]+	12
1115506	794388.8	944320.7	874549.3	663242.8	193431.2		9
584971	691934.8	503220.7	491928.1	780555.1	1259201	[539][M+1]+	281
2060621	18156202	7992613	12528952	13217255	10820604		1
1176058	1131114	1205927	945161.5	1593188	1580363		9
4881094	3345018	4115487	3680163	4455414	4580284		333
7795450	6850642	6660935	5108524	6093015	1509716		4
371558.6	186233.2	330718.3	395128.1	137214.9	58897.01		114
3181857	2639611	2336108	2977183	2732619	714141.8		9
4918589	6579296	6836041	6695263	6750397	2538887		236
323274.6	491243	373531.9	489603.3	292020.7	355322	[816][M]3+	39
5.02E+08	4.57E+08	4.66E+08	4.4E+08	4.49E+08	3.04E+08		4
5780188	5884013	5342020	5245248	5142931	1542651		2
961981.7	1469540	641296.2	290234.2	804565	1307936		4
2178650	3419279	657459.7	1109249	1960792	1609072	[M+K]+ 24!	11
905484.4	678903.9	796880.4	595829.6	606215.9	368475.9	[M+H+NH3	23

6150635	3436709	3809933	6528515	3534736	5914167	[M+Na]+ 3!	199
236081	121728.8	626091	236458.5	575775	131003.1		297
4034091	6358107	6953215	4012212	4005928	3996751	[M+K]+ 40!	15
2441406	2970020	2576889	1484922	2481357	1643518	[7][M+1]2+	9
1.08E+08	79723638	89796903	1.03E+08	80854376	33401745	[430][M]2+	2
185089.4	418694.2	109217.8	96207.76	127913	94618.41		24
8067277	5576604	2477577	2627295	813352.9	3690276	[M+K]+ 31!	3
61031213	50970517	52791460	54556769	54862253	19115499	[M+Na+Na	13
1373642	3474338	1539105	1057787	3143981	6653981	[3M+H]+ 1!	93
982715.2	1358906	1971333	842248.5	776929.8	3934586	[M+Na+Na	8
1335843	0	709888.8	874489.6	283660.1	90082.62		46
8402887	8734843	10017728	8104569	6401155	18721688	[282][M]+	61
585484.6	385159.1	460898.5	90476.47	606306	151777.2	[1522][M+1]+	38
21688832	22262237	12194782	16041154	10555943	6485015	[875][M]2+	1
1646179	1668377	6600234	21194139	1249706	196656.1		27
754059.6	777636.1	351447.5	784220.5	202056.2	163995.2	[900][M+2]+	115
26302586	47457019	38149116	26535585	32539280	71520035	[M+H-C4H8	13
667738.4	806919.6	584302.5	423696.1	584980.7	134767.1		4
1313055	2106761	1166605	1729965	2842178	5297572		2
8945512	7229260	7738868	7861328	7788474	2408484	[M+3H-H2O	13
4782977	5848159	5151484	5670048	5713926	5740815	[3M+H+K]2	339
939370.8	663185.7	597152	906497.8	828876.7	135268	[304][M+1]2+	9
5542929	5400652	5501082	4175944	3714017	1222022	[728][M]+	4
893113	1686582	3338988	5606122	1129344	1197495		46
6112769	4770118	4593032	4376887	3366475	6203409		5
3485258	3595734	3899643	3826185	3572761	3220206		335
621761.9	468186.3	336576.9	179538.3	504156.8	370177.7		91
1463373	1987043	14608989	1.03E+08	1241879	3544731		89
4736146	5505354	4917616	4223885	3495632	1868570		2
1553734	893613.7	904687.1	894350	1415998	219343.5		4
823219.3	722284.3	1209637	611468	560100.8	1121546		2
2997144	2039190	25354474	10115861	2958970	2878859	[312][M]+	212
1956603	1013813	3872333	1900225	1750262	1000241	[145][M+2]3+	9
504112.5	1059721	1023154	551009.5	634589.9	1342668	[3M+H+K]2	8
1520380	848683.4	1273368	418115.5	560691.1	10766.58		475

489119.8	1119874	1267443	410877.3	239679.9	528503.8	[M+Na+Na	8
3651981	4431333	3343448	3054964	4020032	2587521		2
3525417	6008801	4566677	4567736	4111782	1572254		398
4791210	4625906	4536487	6135146	8410327	4378115		363
2235082	4199118	5148604	4477811	2536468	815885.8		1
2162179	1660441	2048965	516306.8	1836343	2050556		4
4388254	6097197	4215711	4061905	4850853	3553792		372
32274351	20705940	24792397	31796922	19845973	5203553		2
2515922	3055068	2809929	1835285	2748567	1407965	[749][M+1]2+	9
1915099	2676475	1874747	6165599	17562797	17618228		2
6379087	6280328	3335118	3126192	5324285	8677262		1
3882368	5780790	4112700	2401350	8973581	3880686		404
5518307	2918130	4266858	5568785	2698882	0		2
2862327	2702899	1421337	1673195	3083300	3409204		258
8237263	7985462	6897507	7349988	7655535	4583774		9
3130198	3437498	2026806	2686592	3307400	1882480		2
6098741	4390650	3827474	4872962	3083412	4457730	[M+H]+ 57!	15
369906.7	95845.94	538572.8	551450.3	351199.8	353624.2		238
108068.8	196028.5	1268109	7580304	201746	137773	[M+H]+ 23!	26
2168210	1514333	1954667	2261084	1729277	0		13
916229.4	1385803	4859862	7712261	2739953	858124.2		61
458647.5	1168538	1042554	373783.4	771501.9	1667708	[M+K]+ 18!	8
1285147	966707	1119489	861070.4	773279.3	1097855	[1211][M+2]+	101
59693191	55896129	91872137	74978955	1812889	19848576		1
326415.2	1093597	964932.7	988033.7	884717.2	596068.6	[M+K]+ 24!	24
22353852	19236350	20085604	19951665	20408248	5126159	[606][M]+	9
3535078	2243954	3314953	2305241	3495758	470215.1		2
3452693	1454472	2744771	1658066	3178685	517068.8		1
6043186	7502050	1197014	4481008	6205668	10547167		3
1152266	1389183	956975	615099.5	1029979	1080295		159
1437559	3772425	3286155	1388178	7047083	15701291		97
196954.7	346216.6	472657.2	413046.4	344999	84731.77	[1308][M+2]+	275
4397437	1632372	8177895	4548322	1920823	2278138		2
1564950	689465.3	540996.3	553617.5	567029.9	262278	[1389][M]+	40
1.59E+08	1.32E+08	1.28E+08	1.64E+08	1.35E+08	56221012		2

1466894	1456145	1431267	1244324	917297.6	1498761		1
756501	4005668	1654479	15407729	2462325	4273268		2
1561094	1362063	873609.9	1386610	1361619	385735.4	[1191][M]3+	2
1839283	2649657	3034727	1858120	1232982	1689570		1
1128230	902722.8	1478191	1014708	832594.2	678046.6	[778][M+1]+	9
655034.9	349729.3	742248.8	342124.8	428197.6	635203		312
5747562	6752588	3909335	3934337	4263803	4141359	[923][M]+ [M+K]+ 466	101
2318167	3132134	16765356	15144949	25436691	27774718	[852][M+2]+	1
6117643	4983211	6460153	11216301	8484057	5348789		205
36803372	38096877	41564009	31124830	31080889	22277240		234
202039	994258.3	2410810	14017955	109856	466778.3		245
10561618	9586592	7993123	9292370	9498871	10817503		13
3395971	5568473	2959929	4286020	1688848	38225984		2
1793252	5.52E+08	5.19E+08	4.51E+08	1146456	3.41E+08	[M+H]+ 396	25
7141979	5394334	5493514	5891573	8349716	18400247		2
1449349	2901185	792442.4	666514.5	2594779	1979152		2
2815060	3011579	2783552	663003.2	3186131	963040.6		20
896010.9	268128.5	592975.5	404117.9	302022.5	118674.3		291
1990560	823922.9	1664029	1943122	2217027	0		2
1368995	4303750	9943762	15851498	15233328	2697901	[3M+H]+ 10	15
14684002	13962264	12407865	12243774	19457892	18040013	[1296][M+1]+	2
3793632	4222174	4137714	3166927	4503498	1437154		1
2981999	3597310	3251197	2494932	2690977	4479099	[1388][M]+ [M+K+CF3C	46
6158696	4525973	6378151	3524296	4410659	852832	[1270][M]+	1
3260413	3099899	2272378	2161342	2170204	450347.2	[3M+2K]2+	81
3544267	3737636	3590483	2810205	4459144	3676426		396
1012291	2328156	1560573	1213940	825109.2	626985.8		4
3987341	3834799	2305873	2696100	2155363	3200207	[638][M]+ [M+K]+ 356	16
818818.9	771835.3	959799.8	526785.9	502115.4	299338.8		54
3641620	4077753	3836084	3797500	3733866	3447204		393
3754928	3516871	2515402	2978314	2719735	1738445	[391][M]2+	118
597299.5	550844.2	717334.9	561145.7	428485	230518	[1168][M+1]+	371
1374341	348893.6	1653503	839547.1	2555943	9202647		2
1645333	2599086	735491.1	1623652	4774916	7602944		3
2454063	2404543	2449855	5750810	2174114	2181517		404

310136.7	843926.6	1039535	4945472	363604.4	714580.3		35
1983447	2000010	2668038	1453465	1717860	679200		9
1169500	1632855	1210301	1238533	1043969	2191539	[2M+3Na+I	42
1017082	402467.3	1131673	1056027	328472.8	419901		336
4736434	2467407	933654.7	1031176	1234734	4727666		148
35737528	58492994	51332190	24781828	28580435	29713264		20
3379189	790394.8	3644928	2536400	628833	406960.6		91
1922601	2551935	1829079	1459256	1493869	1191135	[508][M+2]+	2
3440139	3345002	2088502	2596653	2837630	1411837		2
13335602	15005368	11383600	12750698	14295379	4843003	[423][M]2+	2
2406506	2647750	3067990	3263163	5473393	6381085		2
3600120	3048167	9484495	7910322	3478094	3834258	[M+2H-H2O	302
268593.5	269571.9	371058.8	190610.3	276367.2	412488.9		23
0	797637.6	839380.2	2070529	565715.2	0		1
10147870	9114660	6935162	7653822	9815774	8482710		4
5052263	4752049	5123350	5891189	5630079	4065918	[M+H]+ 56:	195
7902944	3923495	4679081	5038770	4883235	4179302		441
635102.8	542199.4	920927.4	978334.5	664414.4	0	[1535][M+2]+	38
38425838	17576596	22852739	24539902	27964505	8811932		2
2797847	2826222	3530347	2877450	2739333	5297296		279
1464606	2979706	3142095	2101457	6572974	15265002		97
4076462	6061652	2999218	2981615	4530927	571570.2		13
1047120	1569389	1813207	1970979	1191390	168364.8	[M+2Na+K-	13
2163380	5369328	2282057	3797876	6704446	14431753	[3M+H+K]2	97
1574969	1077614	1815444	1028947	1238022	0		13
16683786	28663993	29854052	17502986	19028097	10188601	[750][M+1]+	1
1193543	3254291	2199991	1616911	2112931	1741149		46
13484554	10071953	7125233	11787770	12942937	836169.7		13
2739758	2819801	2050893	3300474	2075780	426801.5		2
6440495	12103291	7546368	7047235	5596586	12317857		15
11018216	9425414	9569290	10189762	8845102	1882142		2
133668.8	175691.6	174821.7	130626.4	146979.6	135971.4	[M+H]+ 96:	16
8779571	10834955	9872994	8263166	8621357	6396079	[689][M+1]+	35
597302.5	1357404	859683.5	560901.1	865120.2	811594.6	[M+K]+ 14:	62
225171.1	591528.8	631757	617416.5	723448.8	528241.6	[1137][M]2+	68

1004007	1264278	2024576	3880564	5563500	15597710	[691][M+1]+	15
1824707	1724448	1794899	1615275	1221209	1234373	[1392][M+1]+	99
607486.5	4680886	2730576	2888091	5146537	10667723		9
1192308	1011709	811671.8	787975.5	948120.5	97301.94		9
3008333	3139925	2433951	2197752	3015453	1155883	[291][M+1]3+	9
7722821	31509188	45689243	43439758	47601524	28529356	[1234][M+2]+	2
615740.9	1227823	2000316	389414.7	1218095	487340.3	[M+Na]+ 50	18
4031625	2269423	2278756	4403313	3652726	619961.8		2
7379283	8652780	6447818	6422111	11067999	17917722		2
457398.1	656376.1	667473.5	715065.5	409632.8	378413.4	[1002][M]3+	16
3600650	4048803	4024216	3692329	2289512	4567877		63
51932461	43233587	44553564	48707734	37784753	7453871		2
5077179	5272948	4802828	3732581	4223735	2193438	[876][M]+	4
4100966	4066390	3135408	4128454	2989146	4426098		63
196657.2	104647.3	236022.5	199633.9	127336.3	175104.6	[M+2H-H2O]	18
16076320	26643018	29856261	19132815	22133591	6214961		19
990612.4	1375853	1358715	12447307	1032910	2218901	[1285][M+1]+	9
116351.1	108499.8	85067.13	206970	172259.7	170001.3		387
1049670	1799321	2792014	1883204	3107533	2589187		1
1455713	3291248	1290637	865250.6	3006691	8166421		2
35482988	51558466	33597077	18688743	69148382	1.72E+08		2
21523545	20376772	21968783	15664417	16739627	7155808	[1424][M]+ [M+H]+ 77	12
35889.69	574888.9	277253.8	495372.8	179595.8	318826.9	[598][M+1]2+	20
2522505	5457747	2846911	2245284	6123038	11385163		93
965646.4	1743328	1200319	362557.7	857195.2	1357881	[3M+3K-H]	20
598254.1	1.01E+08	586035.9	632663.3	670139.1	1024903		10
24708230	16237877	18558634	23697856	17933082	3620886		9
728927.1	693065.6	333111.1	457465	584798.6	227275.8		4
281462.2	256428.2	1905687	9279287	64768.38	279521.6	[M+2H-C4H8]	43
734166.3	257935.1	852822.8	936321.5	627398.6	450498.1	[M+K+NH3]	371
2329803	1710339	2285647	1670164	2094390	711323.4	[1257][M+1]+	283
33593062	60498323	63204645	32308718	41522981	23471617	[358][M]+	1
3622049	4616648	3006946	3481486	4006011	3483486		429
54270852	42697905	58221837	32109357	39235172	10958884		1
2698061	2701751	2411260	2094035	2650772	1698866		4

1171676	1669764	1062492	1471162	763239.3	1378542		1
3691240	3571815	3793557	3509978	3376545	4867031	[M+Na] <sup>+</sup> 5:	95
3.16E+08	3.42E+08	3.33E+08	3.32E+08	2.79E+08	2.36E+08		37
11853976	8580942	9320583	11847459	8334213	2320753		2
527729.4	916417.8	1588950	847042.6	709200.2	824072.2	[1313][M+2] <sup>+</sup>	9
1478226	1874049	1695936	1568189	1382035	744903.8	[3M+2H] <sup>2+</sup>	16
8816057	6464781	7181677	8589500	5748211	1261516		9
551434	87009.32	25562350	2.07E+08	3245372	645265.9		101
2027384	2157454	1671984	1424493	1313036	296570.5		81
4862257	5432706	5524562	4076875	4958665	3428813		119
6472191	9196565	8335927	2144823	6303264	3702125	[241][M] <sup>3+</sup> [2M+3H] <sup>3+</sup>	39
1468266	2380220	1433670	753482.3	2116551	2509414	[M+2Na-H]	21
5008383	3862812	4833622	3660665	2740149	1977292	[347][M] <sup>2+</sup>	2
562846.8	462436.2	533373.5	502823.8	549737.6	185491		76
493192.4	864048.7	70634.51	655283.9	938765.3	418615.9		52
644631.8	573324.4	558410	481580.1	398332.6	378595.9		4
430314.2	355173.2	686881.7	458140.3	369057.8	227462.1		16
2731781	2942608	3302127	2554954	2242321	1918573	[1461][M] <sup>+</sup> [M+H] <sup>+</sup> 81	357
230309	268272.3	264108	375901.5	40137.7	255252.1		147
615003.9	664248.2	700309.5	274165.2	509874	213012.8		224
330334.7	544153.3	356313.7	127095.6	321098	598139.6		58
1154352	2158772	1764126	935150.4	1580995	780834.9		13
1620036	1645810	1578968	763986.9	1323223	312368.3	[M+K] <sup>+</sup> 49	12
1062417	1038273	602243	835756.5	719002.2	522404.7	[1146][M] <sup>+</sup>	66
408412.4	848483.5	449170.4	371782	582865.5	1664280	[M+K+CF3C	8
11121527	14354399	2147891	13710375	14400448	55862441	[M+K] <sup>+</sup> 37	21
140230.7	201493	584393.2	469307.8	159194.2	82085.23		387
394635.6	1064451	324035.2	427416	406308	105487.5	[965][M+1] <sup>+</sup>	83
16470838	17450369	3661369	5889900	21823482	62485294		84
4819147	1912426	2870900	4734558	2510440	728416.3	[1612][M+1] <sup>+</sup>	13
3525794	1493463	5805984	6588077	4260548	11524063	[1144][M] <sup>+</sup>	96
0	632833.6	74267.07	350345.3	721620.7	103055.3		1
2875920	2664246	2343364	2386646	2293921	1755619		440
591748.6	780749.2	579367.2	309226.1	383962	41898.75	[1329][M+1] <sup>2+</sup>	4
1169995	541978.4	1021317	371610.1	974160.3	209703.3		1

972524.5	1324262	1337566	690211.6	1044229	995393.1	[666][M+1]+	4
1552198	2215671	2562833	1541996	1866444	5718576		9
672482.5	310167.6	281161.7	571771.7	377972.1	779043.2	[M+Na]+ 3'	62
1450457	1003963	2561274	8435059	1100651	165740.6		129
5574830	4345373	3397422	3825026	1289207	1759117		2
646772.7	1247200	804089.7	339360.2	1354287	4031321		9
151997.4	295336.7	515422.6	2388779	97811.7	219473.8	[3M+2H]2+	220
48418933	52649145	27860212	59697310	43410067	29502725		186
6219249	6578925	1292885	5035147	2857981	2049616	[M+K]+ 18'	6
2043479	1685389	1656372	1268480	1539587	613008.9		4
443694.7	113818.5	462570	82010.76	369754.2	56403.68		102
1228622	1153932	1249155	787682.4	1062459	485565.8		4
3076458	2195399	2457751	2527869	2481060	702431.6		4
1249237	2134218	2166153	1145686	3231346	5977178		21
226339.6	373830.6	377436.4	65770.05	298020.9	288967.5	[208][M+1]2+	18
20445831	5963914	7403601	10944612	13310532	3269346	[935][M+1]2+	15
4202352	5396007	4312387	3276476	4357606	2608189		9
16164123	11931664	13963819	14326925	10158195	5236371		2
5172326	5347710	5203928	4476542	4095249	1136152		9
14924740	3699492	5289797	2160479	14498726	5090466		1
14669403	19089901	15327197	6126685	6870451	23765471		69
9169663	4340664	7927016	10518607	4434757	4562932	[501][M+1]+	141
4527270	1714767	2592310	3677360	5795339	218144.1	[90][M+2]2+	2
1268123	1908302	1438778	868407.5	1336030	832399.8		9
4019204	472085.7	3611172	3930820	6729875	4084128	[M+K]+ 53'	14
1362219	2050139	1464839	357704.7	1057384	879161.2	[1171][M]+ [M+H]+ 64'	101
2390410	1913639	2497353	1949117	2063945	0		9
626940.4	274019.8	633620.2	346861.1	172385	532568.3		33
33282035	32869306	35958215	29283075	26972013	16814936		274
2813026	2307440	2333629	1735762	2093924	1429274	[1057][M+1]2+	42
675687.5	473867.3	609458.9	468324.5	351682	353592.1		378
4162000	4066977	4263761	3423294	2504582	484438.6	[288][M]3+	2
2287224	2585234	2486427	2562300	2367580	1765650	[1441][M]+	7
3005987	1308550	3257303	3473870	1475769	1116542	[558][M]+ [M+H+NH3	136
3484080	1341045	1511356	3105732	2530702	0		14



7372681	4151279	6994600	5999489	9071042	7067158		2
1149678	1034522	6754350	30557488	318814.1	635417.8		224
502786.7	1939876	796378.2	434149.7	523050.8	388777.7	[297][M+2]3+	38
4160671	3051319	1173899	3054784	2085063	5828660		191
4922571	2755707	2767047	3737812	12037383	814932.4		2
4768036	4480375	3953165	4546017	5908321	6899205	[1368][M+1]2+	2
3387413	9480683	8785915	8669128	9214757	8809872		407
93278076	81990440	80092493	93061172	79640745	21182760		2
833760.5	1122640	687107.2	544865.3	410837	629286.9		4
12440599	2567157	8390203	1981380	2197264	7432941		11
3770033	3066300	1389883	1979204	2155010	3542223		155
827203.6	1256722	2373375	940358.8	1622231	4831590	[1357][M+1]2+	2
1648806	1626154	1396970	673079	1414262	931208.8		4
6772514	7922638	7106349	5535402	8046828	4641175	[248][M]2+	9
9404905	5544388	6791049	9622616	7338241	1511763		2
4200888	4317081	4299010	4632786	4166345	6820476		426
41724821	37843509	35997426	32289243	33532585	18836601	[1251][M]+	10
2557650	1029200	2445895	2671593	1054817	652971.1		127
945818.2	8810800	0	7889607	7354741	5693098	[M+K]+ 15'	53
1402541	2038533	1113297	1320313	1580476	1040375	[104][M+1]3+	9
1277221	1668627	1134337	652674.6	665533	438159.3		4
313913.7	118129.8	411026.2	816224.6	384833.1	0		182
1327127	5903786	393215.8	8164565	2855184	2683116		266
1422679	1454246	934446.2	408822.5	979519.8	1290006		4
356934.1	139399.2	325213.8	335533.2	322407.5	202659.8		31
4381310	4243831	4882990	2777643	2906186	6465491		2
2680239	3486150	2767606	3033697	4327997	6836135		9
22748076	23268456	21158816	20104783	18728556	6220729	[234][M]2+	9
2312770	3140811	1871123	750129.7	3493145	604623.9	[M+K]+ 13'	15
2323845	6548049	5457506	3412135	3018028	4919162	[M+Na+K]2	62
4622354	5111404	4468384	3197547	4062824	3056414	[871][M+1]+	118
1784914	26578033	2289150	1336486	1045361	4127492	[M+Na+2K]	11
50630558	38985343	41004958	48068503	35367017	14627993	[791][M+1]+	2
1044089	252819.4	436490.4	624077.5	558359	173771.1		4
1814974	2220354	998973.1	1729237	1378388	2162530	[1574][M]+	7

2114783	1803289	1856445	1332325	1194045	454489.5	[1619][M+2]+	38
3474953	4049821	3671125	3258270	3628492	3071205		52
6639308	7114462	5965382	5904256	7129207	3394104		2
1686589	0	1072579	1991860	780181	0		13
940266.8	1567713	811008	1280378	1184689	706515.7	[1495][M]+ [3M+Na]+ :	62
12078084	9693309	11529858	11044187	10501624	2998745	[617][M+1]+	13
4452919	4186556	2660693	3313472	4179406	3912348		2
1.2E+10	1.07E+10	1.11E+10	9.1E+09	1.02E+10	6.73E+09	[661][M]+	4
618028.4	1058903	727993	372760.3	411320.5	498481.9		39
9237597	9103059	7978129	6524743	7093110	4529663		127
4249096	2047328	7932621	6880987	8201885	22439249		2
892734.7	319400.6	128915.1	63740014	4049558	4041156		1
2867567	3942921	2726597	2366324	3290101	5070580	[1360][M+1]+	2
8431711	22580775	20728558	1344652	29262240	3830658	[88][M]3+	1
7251092	9203430	3768827	3793796	7146090	8443733		1
4320332	1893721	22725257	16001863	15223554	9927861	[800][M]+	1
3186872	4886048	5329890	1968685	4115107	2693691		1
282813.8	834817.8	799847.7	350979.7	209949.8	962139.1		4
5329412	5817023	1228953	4780128	4291483	4225425	[3M+H+K]2	11
3079796	2750986	1880643	2056207	1627525	1762824		170
94287271	2.15E+08	1.59E+08	72788081	95396878	1.34E+08	[M+H+NH3	15
608617.3	1514078	898751.8	436746.1	908632.3	2342092		4
2297566	2889289	22482889	3452355	4554521	2582646	[M+Na+NH	38
3597853	4976049	6422853	6519168	6561228	11073643		379
60621898	50958671	52891809	54312450	54965376	19194085	[M+2H-C3+	13
5160989	90830762	54392465	49560240	5225452	3945994	[M+H-CH2]	5
996410.1	1617623	631996.4	337644.7	1368035	2988199		9
1280236	2380319	1171511	1769375	1153683	12895543	[1217][M+2]2+	2
32971572	38889263	29647099	27403492	25983848	23969252		1
4540695	3045123	834349.5	4047840	2615012	4432062		90
3801301	2880129	3092724	3230071	3199191	984307.5		4
126878.1	474207.5	364084.3	183051.1	376030	534718.8	[M+Na+K]2	38
5675426	5836105	3747368	4827153	7746302	3722500	[M+Na]+ 1'	13
612797.9	313383.8	757786.2	180621.6	517502	71531.55		283
358163.1	1073448	490749.7	231643.7	327945.2	2895592		4

2401685	2970576	2698231	3317042	3022378	2460423		413
1430394	1800463	1397587	1262401	1042965	1253726	[932][M]+	285
4047609	2006261	1705670	2526496	2844732	242131.9	[M+Na]+ 3f	15
2172659	695297.2	983930.4	727221.8	1781968	719151.5		4
558821.8	613223.2	272652.5	449235.6	264678.5	163180.7		20
17426123	17504196	13734269	16175150	21230244	12918276		2
861185.9	753718.6	667393.4	582193.9	632790.5	464559.2		94
1800032	1981449	2189798	1297127	1274470	963971.3		4
3618584	2721452	4023007	5305880	28397891	4961473	[1282][M+2]+	2
3387839	1557361	1266644	2035761	2869365	0		9
2839877	5118338	4414562	1988952	8309618	16248129		93
6368442	9718451	11318257	11144911	6346109	12581638		1
74788463	81660897	65607123	64257479	89647245	1.8E+08	[1303][M+3]+	2
951671.2	963300.1	2681209	2449408	706299.4	503682.9		32
2553238	2475645	2733395	3259421	4384596	3411844		52
24981489	63276645	14661386	27646328	52964224	11876667		90
1.43E+08	1.21E+08	1.23E+08	1.29E+08	1.31E+08	46976046	[M+H+NH3]	13
3902452	1.11E+08	3093572	2785704	45582197	3653732		2
975457.9	645608.7	739769.8	801745.7	955603.6	968751.2		9
5117263	10993835	11697406	3152832	2701208	5980584	[654][M+2]+	4
6273694	3993992	3342458	4163585	3217335	1161931		9
2504546	3327131	2978440	768795.5	3133105	787667.5	[1161][M+2]2+	1
5776681	1035271	956234.4	4693081	5645991	1005851		9
810227.7	2600832	1764464	942382.9	2194484	4377492		9
2919533	5126234	2892211	3443256	3293369	3441187		1
4718250	4445192	3592647	4049149	3451791	2652029	[M+2H-CH3]	309
7475026	5716387	8879723	3568199	5134753	429547.6		1
9418491	15143408	6292856	8721986	20096496	34152465		2
157671.1	882218.8	554891.2	3094381	370034.8	281095.3	[3M+2K]2+	6
17498614	951269	33796109	1030371	13056386	11935746	[233][M+1]2+	9
1410396	1704972	1388523	1223362	3083559	7449718	[2M+K]+ 5f	29
26537712	27481691	21620947	25607044	30072915	16127088	[392][M+1]2+	2
874674.9	3088248	1427433	723719.7	2865322	4223237	[M+Na+K-1]	6
490605.5	563963.4	478563.1	407196.1	156847.8	277442.1		232
22476666	20757959	8918133	20804104	23372054	13544438	[M+Na+HC]	15

5631247	5806940	6487529	4726796	6310519	6242027		381
601605.9	528963.6	842383.2	363689.1	526749.3	188958.6		9
934872.3	643033.5	1093806	679817.4	632848.5	3461.174		493
91168242	9884124	1.12E+08	60276934	76199191	1931023	[M+Na]+ 3!	6
5722830	5367112	5937561	4754403	4330690	4123005	[1584][M+1]+	42
1864262	1344553	2255646	1486589	1926936	869047.6	[1324][M+1]+	42
47024265	41934099	42663449	36936799	37059450	23061312	[M+H+NH3	42
13863865	19585857	15993628	7516716	13641486	3508829		1
609040.5	1057338	746705.7	2155354	1095774	747884		9
3208217	3610078	3161038	2928614	2821755	1914827	[M+2H]2+ (	35
700020.9	4393605	546760.7	1582499	3042055	23424096		3
2490820	170045.1	1891930	3135084	1180480	1167917		2
446836.4	430266.2	252521.6	186288.2	314001.9	173064.4		7
4135825	5791774	8426987	4360514	15485058	3942425	[M+H-C4H8	140
6.7E+08	6.68E+08	6.27E+08	5.48E+08	5.67E+08	4.53E+08	[635][M]+ [M+H]+ 39!	25
17449639	25448863	15562018	12828951	32408324	77337282		2
12667369	6081070	9737345	14233684	7538859	94134.85		2
601100	751214	876767	2089664	1507642	634507.6	[M+H]+ 27!	62
3315355	11588597	1.19E+08	3315037	12481086	68796062		2
11506897	7215974	12211539	7175295	7430620	1228537	[1276][M+1]+	1
389234.2	1210030	1014892	181950.3	776015.5	1265897	[1578][M+1]+	9
4245432	636455.5	4697722	3817917	1554164	1018951		2
125399.1	254700	212579.8	229048.3	228506.2	77668.02	[1590][M+1]+	366
1442030	2333235	1531864	1552164	1662994	3623149	[510][M+1]3+	2
78116342	22333467	73251735	9728192	5338661	5522484		4
1082652	871668.8	872482	981212.7	858277.5	115333.9	[953][M+1]3+	9
361665.6	885084.4	660651.1	196330.4	465419.5	737185.4		4
26648921	25947249	36197957	26889058	1344221	37252638	[38][M+1]3+	1
2287858	2209179	1123449	1495824	2526989	2218926		9
7665945	2438527	6366528	7917648	4683033	262278.7		2
1208243	456351.9	1588776	908711.2	539721.6	273433	[2M+H+Na	39
1767126	2384850	1301279	1185153	2216442	1606495		9
679792.9	1003357	458343.6	594501.2	475560.2	514794.8	[259][M+2]+	4
1867843	881495.6	923234.2	894572.4	1127975	291917.6		4
828972.1	1255919	1295694	1144807	1308831	5093680		97

5899554	4392329	6233212	3380372	4386281	1443075	[1301][M]+	1
4.81E+08	3.5E+08	4.01E+08	4.6E+08	3.6E+08	1.49E+08		2
1617834	2477861	1744113	2220036	1990258	1068617	[262][M]+	24
9604914	8228131	7561655	6739762	7010189	2521404	[337][M]2+	4
5709226	7303758	7512671	4599881	4659817	1763817		4
1787775	1810012	69674.12	321480.4	1637552	639042.1		52
7872320	12937507	12700035	12080363	12382676	738085.8		76
2796480	2385647	5020763	3115558	1410588	2764955	[887][M]+	318
1463417	2330129	1932247	653830.7	1242028	1022129		9
249839.4	280368.8	178835.2	328953.6	221587.1	223574.9		146
2178949	2214196	3736929	935374.3	1678133	733906.2		9
5950196	6610146	5373063	5123750	5116958	3551815		444
96919.32	72128.38	79722.45	129177.7	115943.4	101952.2	[M+Na]+ 40	342
6056193	7581899	6992239	5075275	6591176	8556284		4
373242	231922	930982	1005900	264560.2	352257.3		54
934767.5	1088558	1161367	401023.3	724459.5	715288.6		4
1179593	1011822	1340026	1582072	814173.8	1387769	[1566][M+1]+	329
2367761	6049758	1210050	858468.9	3935053	3580587	[M+H]+ 37	11
818009.4	684395.5	571209.7	658274.1	781385.4	331734		23
4596308	266768.1	2363560	4474553	4030148	1783846	[M+K]+ 25	14
45628042	57994162	26702582	38815288	42354529	53108152	[809][M]+	15
3678042	4714208	3102295	1964771	3626279	5978124	[3M+2H]2+	6
4490593	5455245	4123111	3592742	4332291	2858297		9
18247901	30605079	34739575	20785899	20762737	4877479		1
155136.6	416560.4	359957.3	318592.2	336771.9	191234.7		245
3.05E+08	2.8E+08	3.03E+08	2.39E+08	1592041	1.33E+08	[668][M]+	4
1.43E+08	1.21E+08	1.23E+08	1.29E+08	1.31E+08	46883924	[M+K]+ 77	13
3122372	3212397	2454154	3330347	3223176	2846730		335
3313539	1993059	2682840	6567954	5294900	4516036	[89][M]3+	1
5548884	4366723	4455273	8568507	3082013	2311415	[M+Na]+ 20	288
8415531	6783521	7708148	6219846	6387375	3404463		42
1641079	1786543	1541389	900495.5	1448250	69627.47	[3M+H+K]2	12
693461.4	820039.6	843277.7	460380.6	479172.3	233355.5		4
1398248	1079553	1844392	1527691	905974.4	1418036		329
1441916	1602669	1215496	854428.1	958447.6	1515370	[541][M+1]+	4

1264964	1174941	1248909	864650.4	1002658	995189.6		218
1286821	1442252	1123167	1021251	1219608	822057.4		4
225967.1	280159.3	264140.9	202040.8	269971.6	326153.2	[1402][M+1]+	101
5630925	5748195	5055865	4618467	6884869	14271934		2
4346358	3371161	2320764	3628373	6669382	3917787		2
2094336	2508013	4209174	1753872	2655225	2928339		9
522173.9	784214.6	465731.5	799145.7	1003789	2141604		4
11210287	11776030	8604367	4371276	13613736	5489341		3
4615057	2.69E+08	4.83E+08	206900.9	326079.5	1.27E+08	[530][M]+	27
6429817	6071837	2271866	2938144	3253993	2216589	[305][M+1]+	34
116482.6	782367.1	2376290	15095126	85184.05	814741.1		51
1283512	3245385	4652597	4072151	2305829	1023970		52
275957.2	463846.2	582985.1	353730.1	174674.2	542801.7	[M+H]+ 53:	73
9770144	34316363	25135770	11984198	45531510	2.84E+08	[1295][M+2]3+	2
4782978	8547374	4750965	4855796	4606639	4290275		385
373156.8	965196.2	37487.69	123430.5	654773.3	137297.2		52
895372.7	0	919626	810469.6	838640	121585.4		9
6972604	6472959	6205864	6648635	5174643	1779496		9
92295656	70530740	73349689	84259778	66910341	28986852		2
9166011	16099326	533207.2	493166.7	2192847	11969659	[M+2H-HC	29
132445.1	289182.6	784936.5	6445295	216968.6	280643.8		173
572651.5	1060947	5082840	2617997	4514558	793437.8	[M+3H-NH	39
5103138	2386107	4771479	3160881	2465538	601304.8	[358][M+2]+	1
25751445	30699103	27800999	23864736	27687995	17741782		9
5485528	7520404	6840307	3290265	5354639	2697411	[M+Na+HC	46
848377.4	211188.1	231297.9	342260.9	259171.7	0		453
7451760	4867162	4252182	6805616	6369213	1757872		14
595952.7	1047494	278508.3	463094.2	301950.5	1154097		161
1543260	3842702	1582982	3182681	5367899	26030934		2
4696415	4470914	4930516	4102980	4260976	451066.6		365
5028600	3829214	3954770	4188622	4114473	1155314		4
9160145	2942305	8698545	11841495	8759568	10638858		2
5450222	6650033	4955953	4798686	5024268	3511278		407
12317096	3507352	9419970	1309659	8129254	2170611	[941][M+1]2+	150
3515904	1880463	3047824	3032506	1937802	0		2

3018288	2304613	5045596	1940477	6582317	4294309		2
3983496	2614501	2798163	2542423	2711764	1425061	[669][M+1]+	4
1844395	2496608	7155408	6853416	2783950	2159271	[1457][M+1]+	302
2480988	2665318	2601593	1267508	2049537	4766960	[M+K]+ 32:	11
3982966	6503474	4900646	1898078	4406508	3200670		9
2149264	2833048	2256414	2207299	2964325	1565597	[3M+Na+K]	14
4349358	4714584	3362427	2963166	4736525	3503560		9
3785492	2633709	2671124	2590696	2811905	525182.4		4
2899326	2599459	2048239	3626295	2907429	1964976		2
834403.6	464460	476980.1	420360.2	146863	0		70
7818927	14371023	15043402	7678158	9664356	5083337		1
153542.1	194337.5	135464.9	189608.6	14168.78	172083.9	[3M+2H]2+	16
363086.5	391099.6	333714.7	387199.8	312984.2	104845.5	[866][M+1]3+	35
2659492	2328235	2768549	2788807	2562212	1416795		9
1279432	1075722	1114793	1032377	1060091	415482.7		4
125407.3	731656.2	104348.9	0	489267.3	1120289	[M+K]+ 49:	3
16412282	19506912	17090164	11770386	17007701	40871391		15
650976.9	731928	2693344	922343.7	532623.1	440041.1		469
7631491	6689157	6735183	5109226	5957150	2530177		4
0	0	143637.2	63155217	2674024	3801226		1
1436150	2590442	1814585	1177267	1562447	1037270		9
65483872	1.2E+08	57030556	72717455	1.49E+08	3.77E+08	[1250][M+1]+	2
1590025	1619417	1628414	1375087	2071630	6331896		9
812706	1753941	13874203	646208.9	1795288	2992770		9
26681806	22248630	23887703	25631688	18627956	4958258		13
4219670	6381026	3302053	2272279	5996237	5757096	[M+H]+ 36:	15
465289.5	909521.6	810203.3	406496	492806.1	1096782		4
2642504	4942352	2598911	2944497	4092511	11076105	[M+H]+ 10:	13
67205424	6302633	90665627	16031292	67596239	5750213		9
130634.5	332234.6	580168.6	48132.64	293855.5	588207.3		4
13777219	11914440	11463187	12075046	12438635	3943138	[M+H-CH2]	13
3948905	2580778	2511108	2609573	2870333	724352.9		4
1880536	1490684	1408917	1172378	411038.3	1539363		311
127310.3	2225673	2218264	536543.1	2303317	1017546	[195][M+1]+	173
1351106	1375151	1335928	826088.1	1098312	699181.8	[1272][M]+ [M+H]+ 69:	110

470286.6	543155.2	331384.8	620207.9	331634.5	167706.9		89
4362618	4802121	2970327	2469888	3449748	3166893		9
1688932	1850817	1741003	1013345	1037223	676709.3		4
15867152	39601872	29140147	18243190	27676149	12650404		15
2828059	5101882	1990921	3391475	3143178	8983549		9
860143.8	1519496	1498329	756001.5	772083.2	591226.6		4
28071157	24827917	21665785	17918757	38398457	19797661	[M+3H-CH <sub>3</sub> ]	15
5314566	6426912	4887182	4021923	6509687	4987661	[565][M]+	9
2289479	2292446	2021617	1527169	1865063	1611842		4
3224238	3738430	3998761	3274234	2859304	1637001		213
136152.1	199043.7	229377.1	195498.7	184538.4	158328.3	[127][M+1]+	99
2203711	2746614	4078535	2189834	6314421	1980314		2
5497144	3637421	1.75E+08	1.21E+08	897089.2	1.41E+08	[854][M]2+	1
878599.3	845943.5	699065.7	1120663	755342.2	295295.7	[1047][M]3+	16
525120.3	2479914	3535643	47810595	3723597	5992406	[M+2H-CH <sub>3</sub> ]	15
629972.4	197502.5	1562678	1243752	152322	717302.5		76
3663088	1569583	716418.6	703045	3416325	6282358		1
2566425	3250112	2891400	1933855	2754117	1133259		9
1319618	2373015	5641177	1217815	3075988	2485638		2
1879743	1920764	1031762	457241.3	1947004	1610743		4
1504698	3578457	2503582	767331.2	2404625	743119.7		1
2761238	582045.5	626538.3	714434.2	575099.3	55165.52	[M+K]+ 206	220
34497660	25967929	29959386	25377153	36079006	9271170		1
6588225	23779289	6601078	6575474	6463531	6327101	[M+H]+ 566	425
2025986	1659327	1466027	939097.5	1484508	354064	[927][M+1]2+	4
3154174	3517214	3685811	1891781	2613550	6852110		2
553059.5	3122383	991152.4	324781.3	1370780	1271450		1
18296892	14243319	20208340	10846826	13414453	3322079		1
6441635	10618636	8473149	3101955	14778356	36254713		2
23277281	20803290	21662337	19993465	21657603	12962652	[411][M+1]+	4
117416	266823.4	89851.5	65588.49	130330.7	757090.4	[M+K]+ 496	42
13461520	5420908	4683864	5707069	5157263	3321034		307
210223.8	468095.5	407061.4	250650.9	375009	915820.3		91
5517112	5654100	5941654	2739473	4429775	1052598		9
4760804	6021233	5130060	4292760	4049788	4186080		421



16704969	7100809	3382787	15312527	13580668	1309899		2
9205946	1901988	8905021	1.38E+09	55636643	88946572		20
8918139	5816085	5913819	11602526	8277312	7285981		2
31979910	27887604	31074369	30717304	28888089	8124337		9
1243021	1227595	693385.8	368819.6	1504829	129971.2		1
135951.1	182756.3	334320.6	128698.2	273842.7	170220.9		134
9535498	10814208	2308966	2377406	4557786	3818899	[309][M]+	37
2288988	1409213	2784334	2412376	1187959	1887693	[1468][M]+	74
738374.7	298621.3	872742.5	979661	473860	171656	[2M+3Na+]	38
1.17E+09	8.54E+08	9.69E+08	1.13E+09	8.73E+08	3.56E+08		2
6131650	7387935	6784288	4916647	6727549	4417316		9
9130782	17657831	19271731	9707915	12182865	6994048		1
1833877	173152.7	235578.6	188611.8	213058.7	153245.5	[318][M+1]+	59
1168099	1014754	1480403	6918955	1086836	462069.7	[M+2H]2+	16
1908733	894090	457750.4	294102	362009.5	480156.8		101
3579244	4915649	4746585	3088889	4484707	3975781	[M+K]+ 37	15
67953229	1.17E+08	80196908	54941002	68039368	88662872	[M+K+HCO	15
4942003	5334712	4748971	6470480	5380008	4862243		325
1.96E+08	1.77E+08	1.86E+08	1.59E+08	1.57E+08	99827747	[M+2H]2+	42
1660926	1638901	479297.2	2135167	917410.1	687324.6	[M+3H-CO]	81
10720586	7774819	7882214	11323314	7441987	2257743		2
5271468	5374043	5497399	4662928	4175125	1181245	[959][M+1]2+	9
1136421	1689658	1462164	773143.1	3045255	9318441	[M+Na]+ 4	97
320694.6	375100.8	548566.8	591736.9	328423.5	412374.6		299
1612795	1755499	1686890	466108.5	1375288	311299.6		81
262613.5	847834.9	1674806	275936	351912.4	1236988	[734][M+1]2+	9
3457800	1403625	2453489	4320874	1625679	0		2
600922.8	910818.9	961871.4	578479.7	511964.6	6362589	[M+H-HCO	8
217740.6	196107.1	860726.8	4509236	191379	70507.05		296
14399007	26376196	25110040	9109988	17452266	2490160		1
667304.4	795370.3	919805.5	461268.7	827423.5	236580	[970][M]3+	16
373082.8	494047.9	415867.7	274456.5	126020.2	393774.9		4
1379731	1531685	2070584	1173326	1472137	562522.1		9
814326.6	731116.1	1277153	731107.5	631573.4	1635804	[350][M+1]3+	9
638026.6	162884	786265.2	671041	656640.7	11031004		73

485243.2	1534579	0	185585.5	1204347	314036.6		1
1832842	1519777	1715010	2455518	6942238	6669055		1
3054193	1986894	3097333	3524555	1318949	157207.3		97
6488822	7163148	9363225	5947191	7992386	8924960	[1145][M+2]+	23
6626496	6787981	6783342	4309467	6966447	25347468		9
1241465	1119149	1470403	336535.4	1504353	604384	[496][M]2+ [M+2H]2+	42
10825688	4575587	2876032	4219762	3232270	1582905	[M+K]+ 34	14
1740347	1170665	1739555	739505.4	1203146	0	[1270][M+1]+	1
57452035	49901066	52629216	55905848	50400269	16981574	[617][M]+	13
3371082	5239180	4157462	3618158	5238102	2923494		1
3434865	6127741	2292754	3349397	4141945	7967480		4
4874445	3593556	2780049	4097066	3609132	306577.4		9
143353.7	518579	457037.5	19994.42	346510	567868.2	[M+K+HCO	39
1355371	729896.9	1605052	1413094	394810.7	847930.4		26
807636.7	920211.5	972659.9	976143.6	1353657	871001.3		4
858167.6	4343156	3086681	684775.6	3471840	9841424	[2M+Na]+	8
1245253	1049712	682783.7	21588.03	1178654	413000.4		18
4313339	4625242	4154654	4468069	2203156	2728790		194
20656056	14016569	17451408	19052739	13407868	2027873	[1190][M+2]2+	2
461068.3	1639378	1483126	378692.2	911887.8	538655.6	[683][M+1]2+	20
4514683	7576043	4683759	4103259	8257071	5303789		184
2594758	3441983	1867690	2346788	2453765	1962587		2
93944087	95332169	92917385	78793593	63136661	27625893	[1241][M]+ [M+Na]+ 6	12
88484924	2336308	49816725	893701.5	87051465	2853744		3
1487145	42976.36	49287.22	43369.66	103899.5	453903.6	[410][M+1]+	59
38726.8	122333.8	101098.3	191356.2	100716.7	167773.9		44
13761407	5852067	10034927	13283388	6309813	1328446		2
11672882	7447683	11337920	13315165	9201549	3471864		2
1092375	1891372	2.74E+08	1.87E+08	2901407	7081527	[M+H]+ 47	6
1595985	3775526	4028988	1207137	2348350	2994602		9
2353803	2652102	2297280	1986831	2629389	1843806		29
3133597	1846205	1720551	2568371	1617870	3048807	[1306][M]2 [2M+Na+2I	134
1730493	2446271	2527208	955287.6	1708234	518791.8	[M+H-C3H	13
317506.3	715085.7	1155316	514085.2	296770.8	140631		4
4420768	4576761	3314903	2338066	2122946	1961672		4

1608367	899966.4	902578.6	1715584	744759.6	1003935	[2M+3H]3+	20
14706287	6023675	12057501	14092534	10328773	2820866		2
4483244	7811361	7695604	6594115	7857883	6159564	[M+H+CF3O]	199
1646854	2306438	1024057	959879.4	4011434	7336882	[M+K]+ 30%	97
11067872	8460110	9378410	10048769	8280474	1787024	[460][M+2]2+	2
3140084	912935.1	1316900	1533971	930654.2	4460005		2
4554382	4099091	4718474	4441708	4104432	315564.9		4
1030310	1475206	1431178	749766.9	1965414	2125179		15
7043828	3147438	5874814	6077376	2323469	789385.1	[1288][M+1]3+	2
67757671	69557111	55098561	68888620	76534772	48476914		2
443835.7	396614	500219.5	491292.5	372456.1	474446.8		483
2500016	1881340	1985512	2544284	1727080	1411222		312
69676265	70626318	55489265	68913483	75501801	38913954	[393][M]+	2
1065915	601776.3	6286810	4561529	1207775	6707051		4
9499150	13029502	10687879	9972582	7248970	16110869		1
2767335	3448378	2195859	1989955	3340428	2880937		9
1287720	0	1158798	1433209	768950.3	0	[441][M+4]+	2
11062566	12449802	10284040	9075053	11936949	8245275	[75][M]+	9
8290327	8235429	8114605	5167704	12760483	42530817		2
9614996	7527063	7456332	7514796	2014260	7534067		184
351998.4	436873.3	628206.3	612447.4	1246224	224127.2		296
963369.5	1664006	791872.6	6435699	1611478	3710721	[356][M+1]3+	2
32409792	17141872	26159049	32632038	28531268	10679654		2
2625833	0	2396865	2281682	1205026	0		2
14053912	35606436	14319156	7047463	24323056	43686090	[M+K]+ 22%	18
3063213	2533062	2402379	4190259	3857744	18644623	[455][M+2]3+	2
5492189	3887606	5549500	5653729	10214715	5957093		321
1943504	1632855	1880366	1512174	1093985	656799.5	[1581][M+2]+	42
5585930	5424231	6532617	8576380	3313503	7619676	[M+K]+ 37%	226
1025476	756077.9	1068366	3988332	444884.8	870122.9	[138][M+1]+	173
1403079	2148608	7744783	701635.5	1621040	1599171	[M+Na]+ 5%	81
9470362	18766738	9221524	8180202	26272239	90399388		2
342427	765548.3	770109.7	27174.47	195554	417139.5	[1542][M+1]2+	39
2007308	7194855	3531821	884614.5	8698210	11620568	[18][M+1]2+	3
2277951	1887716	2586529	2390856	4662042	18137914	[399][M+2]+	2

1617517	1748074	1834170	1638583	1213599	2322267	[3M+3Na+]	57
5336321	543181.7	1748478	1851659	5431562	3363526	[1059][M]+	1
795092	1062112	722911.7	738794.5	770528.4	316166.8	[1226][M]+	303
1255019	4844769	3385790	953010.3	2738352	9739658		9
1219060	950709.5	2059000	733154.5	861648.5	2702126		9
2756252	3951491	2563239	1785417	7698559	4460962	[787][M+2]+	4
3378599	2217388	1789783	3458036	1482300	0		2
1424004	990975.3	1934094	1047874	811368.7	0		9
938303.2	1692657	1227722	0	139692.6	0		1
32317402	28288273	30780781	30632034	29389091	7946287	[82][M]+	9
5758170	7282973	3232554	3016553	7181503	5785846		4
3761508	3533530	3934216	4101149	3632583	3496764		252
485059.5	122506.5	562890.2	139073.4	635014.4	1312837		9
1386025	932184.8	3036560	2275808	1100309	973309.1	[878][M]+ [M+H+NH3]	288
887314.6	1560310	8658235	475435.1	1181673	1868007		8
394131.7	962053.9	960599.6	869070.2	54436.61	718215.8		387
593838.5	3511772	1360124	1157492	3394975	14076595	[1341][M+3]+	2
435385.6	582897	308089.6	329844.7	423113.9	268229.8		4
18570297	12696596	14896559	26323457	888163.2	4271079		1
9100694	10403058	8436547	8414275	11419031	20663531		2
5321486	15920093	4391478	9924132	12119318	1.29E+08		84
1016140	1045421	1234695	1277424	1132916	1394898	[1594][M]+	366
423169.6	813965.9	842292.7	625641.5	741944.2	398841	[M+H]+ 350	81
539754.9	443685.3	469982.5	280721.7	431993.6	287892.7	[1039][M+1]+	61
237003.6	0	338706.2	477571.6	253243.8	667169.1		446
4115124	3538581	5314893	4285507	3004639	3570355	[916][M]+ [2M+Na]+	86
551211.7	490206.5	385068.7	452916.1	737446.8	861179.9	[286][M+1]2+	9
1078172	1184095	1479545	543648.1	938985.8	1336702		1
2191877	4231399	36820706	2489597	2802204	5904092		9
220430.7	241194.7	292715.9	225918.5	191116.1	164496.4	[1272][M+1]+	110
8681316	7560656	3400096	6179555	9948143	1140451		15
6418425	6698449	5848555	8098032	6694029	4553776	[34][M]3+	2
103516.6	803272.8	650595.7	0	624785	357783.5	[M+H]+ 350	39
6307014	5505877	6199631	5931470	5562932	1239230		9
9220135	15398066	7095751	7920037	21667278	50705576	[389][M+1]+	2

8918390	11991720	4385621	11865545	9516650	9715552	[M+H+HCC	3
217303.8	313399.2	965401.7	418248.9	188599.2	172708.6		212
388784.5	114593.6	46969.48	232445.7	423281.6	80914.84	[1466][M+1]+	406
556434.5	830992.1	731078.9	334839.4	621859.9	743437.6	[1266][M+1]2+	91
4928867	11189022	2901119	4504777	8081007	3025478		1
11368622	4784033	3388403	2928944	4595495	5813632		9
1196236	1991307	5020789	24001584	1390306	1015863		111
2251452	1989751	3010267	1952724	2377867	516003.9	[1183][M]+ [M+K]+ 61	23
713268.9	221035.2	177761.4	487791.7	677686.8	249334		1
387149.7	1282041	813400.6	353666.3	864279.7	2410781		9
2615732	2263977	3343118	3597133	2065034	3018175	[1566][M]+	329
3355979	6272802	7216000	3543829	4836005	727218		1
26821966	43193436	39746195	15480379	18805199	50239805	[905][M]+	1
370441.2	1511577	1510005	954742.6	824740.3	829606.8		9
1087847	696305.6	599110.1	593421.1	1023622	978444.3		4
7335073	6734547	7498049	6917921	4804466	1564309	[1607][M]+	2
1028015	909192.9	742802.5	216017.5	674104.4	499872.3		9
145008.9	183140	163378.7	90533.68	113501.7	88794.12		503
1791156	5168025	997102.2	4863702	5010994	4623258		365
1955132	2082252	822072	1489024	2644019	830079	[M+H-C6H:	11
232007.3	277131.8	235894.6	270225.8	303102.4	208161.3		436
739746.9	735129.2	751687.5	1046145	724026.6	1040393	[1427][M+1]+	12
54954.88	1300729	621907.2	12177.08	110283.4	876162.1		215
57322249	51021417	52407735	55779955	51029871	17273229	[605][M]+	13
479698.1	1183561	1742734	11037743	725072.6	559267.4		9
810908.4	901755.3	905698.1	604951.5	303556.9	24883.85		4
2682519	5265914	4629196	1233940	21842337	20739568		3
12896256	18790340	18628199	14974718	77212251	13131851		1
16766440	37979395	19779960	15916421	39857546	66199850		2
6366052	4457617	5499499	6335648	5374167	3995218	[951][M]+	312
46666613	59355077	37034186	40099972	45401891	42475372		2
1023938	1475749	1156994	663203	654529.6	898085.6	[1028][M]≡ [2M+Na+2I	16
663260	1219126	538286.7	397806.4	680191.2	1552150		9
25925939	30996157	27888296	23982753	27810180	18180323		9
2442391	4817677	2390258	1027368	4635735	10822268		9

908538.4	1562294	656239.9	992696.3	1447759	1382238		13
1241226	2044538	709167	740830.7	1431745	194654.2	[391][M+1]2+	118
381385.7	104187.2	865602.7	1278331	684428.8	1286637	[1385][M+1]+	36
3742902	3402899	1568582	2363886	719422.6	4443261	[M+Na]+ 5:	38
5428460	7046351	5061220	4725270	4807696	2940325	[1247][M+5]+	2
3328615	8232440	4572572	1971691	6603225	16525638	[203][M]3+	29
1061303	1475936	258038.8	3995985	1285234	8407706		21
568687.2	772067.7	3721567	379937.7	969340.3	3199425	[M+2Na]2+	38
439108.3	279346.5	433412.5	235941.4	253460.5	319593	[M+K]+ 14:	57
799042.3	1520468	744643.5	1652416	1061060	271862.5	[963][M]3+	247
10067563	10994404	9976541	7762014	7790264	4636257		4
2314593	5407867	4232419	3818242	3310898	5703179	[1352][M]2+	7
3226885	298205.1	2780307	3103592	1471919	580899.1		2
2292588	4045282	1563411	1860978	1235173	2531660	[3M+Na+2I	38
3009468	3188016	2991464	1747921	2501275	2228979		4
1094041	454902.1	410009.7	408625.9	677905.9	11863.81		105
1710885	2032666	700618.8	1713043	1975716	0		2
1.71E+08	1.71E+08	1.59E+08	1.39E+08	1.45E+08	1.14E+08	[635][M+1]+	25
1868968	1324157	834199	1563485	1896802	658873.1		6
826823.8	973022.6	511652.7	741746	628721.2	0		9
3766797	3799517	2626226	2590771	3702352	2929118		4
3605129	3290442	3540016	3128378	2855852	1319208	[308][M+1]+	72
472401.5	1229345	1220633	168405.9	1201781	1140242		63
16125680	10956857	15516654	8376277	19497992	31792949	[M+H]+ 49:	46
3204472	5038317	3781634	30277942	301580.6	1253435		91
9814845	3987441	16874719	7619816	6295922	972408.8	[1364][M+2]+	47
5903462	4148938	3831255	3113637	2565158	300951.8		286
114867.8	102017.4	586561.1	5385295	118612.7	0		306
9275024	15448216	8316511	7676915	21328814	50603990		2
1259945	915527.5	1263631	659518.2	786751.8	882313.5		1
770591.9	761248.6	268745.2	535575.6	613901.3	567401.5	[3M+Na+K]	276
1753487	2677199	1817448	2395428	2121295	1141145		24
284899.3	1864093	33539587	2846671	217309.9	524931.5		18
6517701	6312376	6300178	6551710	5801710	1462263		9
1210968	788237.4	1165065	1048049	820075.7	151341.2	[623][M]2+	51

191604.8	55553.35	33962978	4.53E+08	1765343	49050.57		26
1029213	1602566	2103831	4850700	5121884	3393247		277
701824.8	3161328	1166191	551668.8	1626143	4174338	[1154][M+2]2+	2
24965815	15081209	15564379	24221825	11205479	10987498	[803][M+1]+	1
3463459	2247140	3604810	1898266	2376159	0		1
6114042	3395735	2542902	6291706	4990081	0	[3M+Na+K]	14
4918919	4562215	4620271	5026905	2845783	6275912		293
6728002	6073259	3032369	3488484	5432536	8986615		1
170427.9	1268095	21146744	704632.6	295758.9	795869.8	[M+Na]+ 3:	12
663918.2	1694996	2886328	517159.2	1200470	0		1
850087.8	1199148	0	833920.4	1772973	604370	[M+Na]+ 1:	21
1596696	3656853	1954948	189995.5	718811.6	2003231	[M+K+NH3	18
32018511	25734174	34200175	38222646	32187940	10892108		2
4687194	2955311	2141155	4272330	3640887	1194039	[3M+2Na]2	14
1083363	2298893	332754	710456.7	1711774	8387997	[1604][M+1]+	9
1680292	3972384	4980397	965269.8	2173306	6821995		1
178091.1	162884.3	417259.6	3216705	314162	563757.3		416
872123.2	560698.2	930232.3	869602.9	376109.3	194477.7	[1550][M]+	71
9489245	4453260	3281387	3897112	4797437	4894713		341
41664731	15671525	6843038	18086155	39422597	16438890	[M+2H-CO(	3
245374.6	211410.3	341866.5	307528.8	357483.6	139101.6	[1071][M+1]+	17
485680.8	510405.2	174989	460738.7	897248	1063668	[269][M+1]3+	9
9928507	18646476	10080888	7843597	18988855	34249814		2
78983.57	548517.2	563147.7	91271.44	355988.2	9457753		14
6014792	1210441	8854244	11660958	6499666	18095071	[1065][M]+ [M+H]+ 59(	238
3127851	957196.1	702836.5	4034672	1593461	9311266		1
2142941	543454.4	1460496	1106721	982432.5	0	[1553][M+2]+	129
778032.5	573585.8	806792.5	744219.5	576713	330659.3	[M+Na]+ 6(	8
1903395	2240211	2452996	1686294	1499653	1720824	[1262][M]+	40
886295.2	1247402	1527288	733751.4	2233346	6108192		9
81041956	70452824	75850347	79224624	73534020	20085372		9
3734632	3547951	3640963	3204741	3520526	1449366		385
7984230	2711258	7736440	14130714	12563521	7597972	[M+H+HCC	121
20058622	3031482	19065097	19692449	2879112	8954421	[M+K+CF3(	14
72516999	51331971	54858743	75963584	58002646	17438088	[30][M]2+	2

5095707	5008516	4865247	5152267	4724383	7001895		241
1314914	1450674	1392421	543758.2	847581.9	548062.1		4
6686218	3745529	5002159	6085197	3660173	476769.9		2
492385.2	821872.5	978577.1	971376.3	690588.1	1090217		62
7692946	9334427	7646170	6271687	8814428	6382370		9
1714347	2670925	1055100	1159587	1991050	993878.6		3
3.21E+08	3.13E+08	3E+08	3.34E+08	3.03E+08	2.24E+08	[M+H] <sup>+</sup> 220	13
4315119	4349582	4194253	3844123	3751707	2221339	[681][M] <sup>+</sup> [M+H] <sup>+</sup> 400	220
1852651	116388.7	1955599	1526451	907087.8	482140		46
2941665	3884281	2511255	3431906	4319177	1818083		2
1400339	2935049	1177422	723339.1	4419547	17299949		97
32929938	20543646	23846575	30914836	24883746	5501965	[84][M] <sup>2+</sup>	9
4343530	7109660	4280752	4648445	5641166	4065131		259
311678.2	324784.1	283181.9	243013.8	233279.7	112329.2	[M+H] <sup>+</sup> 580	16
3441180	5284959	4319911	2721307	3294815	1993677		9
243286.6	476533.3	539515.1	616131.1	226837.4	337541.5		176
348072.3	276062.1	508806.6	124684.1	404742.2	100807.4		102
3256610	533514	3971690	3892818	4744871	3759905		421
11536879	4717251	8386624	10190691	9344337	3893798		2
1.93E+08	1.38E+08	1.42E+08	1.76E+08	1.52E+08	63263160	[1242][M] <sup>+</sup>	2
125113.9	95578.62	498010.4	2588049	35274.04	66760.89		304
3220175	2151795	3841677	5104509	2199100	2418660		54
2126572	5860827	481889.1	4235461	8202155	29591991	[M+K] <sup>+</sup> 360	14
5815869	4621533	4398240	4644124	4669482	4634861		368
6255122	2056513	5792527	6246970	1004985	2658164	[1616][M+1] <sup>3+</sup>	9
4726635	6022951	9494232	5955502	2769394	5763789		194
1235983	0	595295.9	930111	530577.1	0	[1024][M+1] <sup>+</sup>	9
628042	408515	702740.5	450830.6	512743.6	266123.2	[1525][M+1] <sup>+</sup>	203
2607393	3441495	2320948	2156480	3488655	2636901	[M+3K-H] <sup>2</sup>	13
1402736	1183535	1671873	1239514	1302728	745242	[1445][M+1] <sup>+</sup>	203
824601.6	318350.8	264738.5	552664.8	416638.3	356268.9		41
3295090	3057846	3609176	16286579	2460643	11649963	[3M+2Na+I]	12
4929691	4800436	5240175	3873736	4513938	3221072		4
2988798	3661273	3113853	3009115	3470284	3044517		9
531708.9	17593.12	18357.35	28055.06	12175.14	30471.59		59



817656.4	1218264	2006069	529519	858721.5	12602045		9
2.95E+08	2.14E+08	2.09E+08	2.69E+08	2.42E+08	87890842	[614][M]+	14
26885.28	920900.2	254416.3	32046.26	497237	380464.1	[536][M+1]2+	39
1572090	1746762	1667022	1284204	1001753	938957.8	[1017][M]+	78
9192228	10456579	13106142	9862834	6894926	1739791		1
2901795	1619248	1949171	1152273	2023024	1801762		68
8792447	16167730	4064024	2.06E+08	9904606	23828097	[M+2K-H]+	11
1013531	1454882	438098.5	3572267	268369.3	870711.8		61
7484473	9391831	8984111	6422521	6886919	2453198	[517][M]2+	9
30070236	36317300	30371743	26745341	32577482	24838151		9
341463.7	301621.9	370420.9	341316	248204	164020.8		48
10250902	9344443	8209803	9485777	12371137	12692617		2
953323.7	939681.5	737999.1	592133	790367.7	447105.7		91
44141759	37302747	41724831	39075196	33035319	25565796		2
1035043	663453	1353959	97587.41	0	138705.8		1
111602.6	345343.7	534464.8	67260.43	48557.71	409876	[1052][M+1]+	20
564290.5	1618800	749424	417537.5	1459960	2984851		9
200396.2	13922840	192003.5	145471	166160.3	7316703		78
6094245	3724108	3586788	6146533	3158529	389784.3		2
4876919	4354115	4740959	4856987	4980244	1043616	[11][M]2+	9
0	1379997	150654.1	0	995307.6	122956	[M+H-CH3]	15
1015938	4821991	10327363	9532003	5051199	12535403		2
762454.5	359656	444263.9	509842.3	313859.7	23015.06	[M+H]+ 320	276
727157.1	1196148	1568889	1840227	1399761	746002.4		2
8761019	14746786	10625823	7243080	8161301	10271771	[M+H]+ 43	15
1214006	2183749	1203013	1681662	1698358	6192177	[1018][M+1]+	9
1078917	784963.1	530992.6	979397.6	766698.3	181732.2		9
8824226	9446690	6940827	6496462	6777670	4200946		2
4434929	5081709	2863336	7469926	10495948	5376691	[3M+2K]2+	339
1153668	3051387	425790.6	881432.4	1242541	5723809		41
1800600	3970042	3961696	4010573	3718268	3523150	[3M+H+Na	382
888131.5	1418730	841488.4	951516.1	916819.2	1248260	[M+K]+ 79	16
784633.5	1083031	576292.9	706045.4	933060.7	659406.5	[3M+2K]2+	8
5319511	4190926	4761527	3972695	4018887	595469.7		4
1333376	1330332	132899.9	838920.3	1725727	2002643	[M+H]+ 18	11

431839.3	1288035	766241.4	622692.6	650208.1	1087085	[2M+Na+K]	8
434457.4	494918.4	492382.2	293763.8	462101.9	702361.6	[M+Na]+ 4	5
893508.3	1969739	1660229	799338.9	1159568	2118443		4
394339.1	656593.1	344233.2	314536.8	395474.2	300584.2		125
1562975	2707529	2612095	1292595	1310022	2918953	[M+Na]+ 4	5
692000.1	2718634	33294012	3360159	1213615	763449.7		38
379916.6	2122298	2442033	24781725	754269.5	1071853		9
1319420	1284098	1346243	856022.4	795557.5	433365.2		4
485185.5	799409.7	918548.7	521416	524277.2	0		9
130244.1	152382.8	160852.6	118358.4	107362	29155.93		318
1771344	5246554	2221166	2470840	5173021	11262561		2
4621016	4211495	15012658	3834118	5682366	4445377		310
405433.1	135012.4	349505.5	262717.3	285160.1	506569		23
25285854	24430842	21608153	26271801	22829653	11262674	[1258][M+3]+	2
6705734	7980829	6233269	5180269	5379372	6611580		183
12198880	20176388	14117209	14309569	30510081	74961091		2
834566.9	1836472	1516387	527315.6	1113753	0		1
3270838	3317026	4327365	3337288	2064246	11294552	[442][M]2+	9
3020853	1963627	1005973	479617.6	3157055	3465472		1
523306	949602.2	832189.5	949922.2	366107.9	686951.6		9
3516068	3905962	4163801	4256165	4403179	4186297	[M+H-CO]+	322
5044537	5165402	7749373	4022333	3106954	1444043		1
8995096	5535277	7717584	8374160	5557488	1796491		2
891086.1	926728.3	630043.5	560893.3	671278	838453.5	[1482][M+1]+	38
20926967	23361800	13877370	16293774	22657013	16525449		9
23057579	34347064	16655774	23719797	37778315	40398694		2
6435775	4655006	5455410	3871724	9375265	3598717	[950][M+1]+	15
4.82E+08	3.51E+08	4.02E+08	4.61E+08	3.6E+08	1.48E+08	[435][M]+	2
3780308	8670635	3498316	3974952	11214527	40292675	[1221][M]2+	2
6326589	7289266	5100628	5176034	2545767	4835113	[M+Na+Na	81
93556163	65867727	69428791	98847779	74644742	22107629	[29][M]2+	2
2310966	2842816	2288789	1834757	2114146	795932.9		9
13261014	14598083	14364885	10508534	11908048	8133901	[802][M+1]+	57
548483.5	879669.6	55492.56	430484.4	498136.4	314815.2		224
10851070	9954488	9760640	15530062	14910169	6701510		19

630931.3	598656.9	18872331	2.96E+08	1489717	453630.5		32
3572576	2565587	305346.6	2792600	3163164	18617101	[M+H] <sup>+</sup> 17	11
6545053	13322912	8765603	3558644	2959177	11019929		1
489040.5	1792078	565450.3	235704.5	1365107	3152344	[M+Na] <sup>+</sup> 8	13
35624091	32992666	31970426	32722430	28616279	12077746	[1320][M] <sup>+</sup>	2
1949232	2071887	2305412	2349298	2143300	1946663		2
5189367	3293616	892428	2700952	2083897	1939283		208
9215210	6570411	9367763	8572379	8263446	4995981		199
47909597	19712651	37153212	46857830	43812332	28338153	[1242][M+1] <sup>+</sup>	2
895294.5	1272235	541055	561753.1	906036.2	61595.84	[M+H+HCC	81
4886767	4722734	2672578	3255439	2373194	3046463	[28][M] <sup>+</sup> [M+K] <sup>+</sup> 16	86
12675851	12504417	12254017	12317651	595284.9	11306749	[M+H-CH <sub>2</sub> ]	264
310793.9	140923	314263.3	163451	133982.1	62015.17		83
1012985	568901.9	1116614	3401709	505011	496695.9		41
3430532	2048757	3305622	1070448	4345861	9260455		2
1117183	1249491	609651.4	1179851	962836.6	780308.1		119
2072388	5391177	153868.7	542167.6	2775593	8297711	[M+3H] <sup>3+</sup> 1	3
2939671	2691987	2055550	2255061	3617867	1258491		9
110694.7	9997987	10508988	4024628	1097182	8646583		5
9875103	9949200	7859034	9507753	7695148	5932310	[171][M] <sup>+</sup>	128
6394970	866948.1	3808434	9.75E+08	36073530	29887118	[M+K] <sup>+</sup> 62	6
1443953	2240896	1896135	1019055	2810962	5865608		422
4638216	866277.8	4356717	768582.9	6217510	2489346	[3M+Na] <sup>+</sup> 1	6
7275677	7320273	7036951	6424994	8016190	6771469		323
1562942	1982726	1133804	752691.6	1450538	2674349	[M+Na] <sup>+</sup> 3	81
8211838	11435035	5908475	6839442	9542996	8773049	[968][M] <sup>+</sup>	9
2187123	2842923	3495210	2696484	2478580	1519042		2
6571910	6643788	6471985	4317082	6170897	7493089		393
1559791	589354.5	452692.9	1151954	1084640	332247.2	[82][M+2] <sup>+</sup>	9
5094875	2980689	4290288	4323735	3915895	451249.8		2
3270969	3396523	3326044	6581643	7085315	6090321	[3M+Na] <sup>+</sup> 1	13
1285655	3658194	2812934	1617171	6112267	15401086		93
3418235	2071683	2642982	1578833	5642285	1054235		1
2554688	2969379	1800907	5867254	3514807	10964429	[335][M+1] <sup>3+</sup>	2
3209545	4154558	2329557	2095531	3114227	3849520		9

1846522	1608047	1810273	1204260	1601791	518724.7	[1498][M+1]+	16
1308693	2320559	1535066	1264162	1555118	2267689	[1192][M+1]+	23
2979139	2858188	3455541	3302826	2737868	233179.1		9
132802.3	401264	423092	152030.6	251715.7	877304.2	[134][M+2]3+	4
877561.3	948722.5	343902.1	518011.2	211716.9	1067889		338
6344630	6163776	6019908	6484046	6409322	8263599		339
5452684	7641224	6133691	3964605	354265.5	4522711		5
4733714	4468259	3879806	3685030	7104063	43520387		2
2204911	3709598	1795511	2043095	1004128	1609495		97
466144.3	1260395	363461	323736	174451.4	938947.2		330
1111216	2451412	1793909	890539.9	1913054	5904253	[1101][M]3+	9
1019868	1020787	1041338	812586.9	858695.6	204103.5		4
2079049	2906941	2122180	1586592	2580589	5519688		2
722274.1	1602825	37792332	717042.9	4897250	815659.1		1
1.1E+08	76277817	67244163	56652357	87449762	37225983		1
1268687	1130703	2794315	1096854	1018228	3582698	[640][M+1]+	9
2264812	2749273	1127890	692961	1574518	510785.6		9
1973868	986597	1412724	1761907	1107494	0		2
4897329	3224458	4374078	3704994	2370694	0		2
81496596	71051994	76417886	79869195	74227212	20105987		9
5513810	6330070	3560050	3963571	3871944	4081929	[M+H+CF3O]	15
29824465	36385758	30558414	27146533	33617375	24831158		9
605662.2	5470743	271298.5	3550790	2186858	8583584	[M+H]+ 46:	42
867756.1	1138964	2130783	581790	811048.1	17330910		9
2615350	7793921	1625549	1732027	10813212	59117888		2
1054922	1399728	575894.7	1488265	1347242	1600214		4
149587.1	719835.8	591191.4	647223.5	311822.6	22931.56		32
9291178	6436650	8018043	6372769	9000314	6182794		2
986294.3	1268070	1018653	768878.2	643117.8	0		81
3460369	2490528	3333829	2998941	1902144	429131.5		2
3723455	26341464	4135055	4595598	7683282	5112414		2
3379253	3654310	3349508	3099190	1836739	2026577		4
4520441	4.53E+08	9.27E+08	1.08E+09	10128971	11117730		2
513518.2	639673.7	535492.4	228164	377272.4	0	[M+Na]+ 31:	81
2322714	2627967	2275970	4132521	5953142	1536336	[M+K]+ 31:	398

0	1146309	182848.4	0	674049.2	0		1
6294623	5207957	62557954	64655973	74469824	62434559	[M+3H-CO]	29
8550032	6717508	8331774	24287558	4386176	7963215		173
160203.4	474172.9	225490.2	70144.53	558852.6	381548.1		218
1356967	3310167	797339	555739.5	5412502	17483169		2
12239124	10969881	12850886	8535863	7344603	858105.3		9
2926872	5834580	4022009	2226893	4326408	11546761		9
1225526	0	1240440	2382626	1973693	2666087	[3M+Na+K]	13
4044488	5514962	2259742	2364031	5300808	2173130		1
3681166	3890306	781926.5	1049318	4480578	1288397		11
8228236	10153695	7837803	7293960	9523640	7696715		9
820065.4	1436529	911969.8	498819.3	1352478	1815224		89
1038173	832548.6	582734.9	685115.2	740196.7	693556.1		4
3824511	2776777	3272144	3239223	3194877	942335.4		4
217073.4	299735.6	370202.9	1510767	235300.6	171351.5	[M+Na]+ 40	35
2642140	3390403	2964975	1997831	2819209	3784528	[479][M+2] <sup>2+</sup>	4
481279.5	339670.7	267675.4	103351.1	153460	120744.2		40
4054516	3430486	2084965	6025120	3986967	25484351		1
1461095	4047798	1876827	1084111	13189279	4192847	[2M+2K-H]	3
1366853	13700627	780553.2	1212973	918653.9	3451601	[M+2H] <sup>2+</sup>	12
287055.7	782115.9	996640.8	0	101632.5	158094.4	[267][M+1] <sup>2+</sup>	20
2748992	3427402	2055936	2266377	3537632	2868523		9
14014258	25426819	25780324	9334284	14044472	6868288		20
154397.7	251940.1	269182.5	400379.1	240081.2	195363.5		136
441312.5	1026729	476153.5	336635.1	368760.7	471758.1	[1396][M+2] <sup>+</sup>	101
901528.1	800396.4	938646.2	539577.7	573273.9	578415.1	[1346][M] <sup>+</sup>	210
479650.3	1122586	903311.5	672982.5	802120.3	1035283		1
1284747	1686733	1109084	681085.7	1354909	823089.8		4
3085968	1900543	4761255	2072721	2268637	1908535	[319][M] <sup>+</sup>	256
3023177	755821.9	2501876	2815608	2888224	15017459		2
1027488	687868.8	714040.2	604743.2	142242.8	51278.11		309
13232979	3676808	10582755	11537838	3579235	7877986		2
777755.4	202252.3	444757.6	215034	109699	551027.4		294
916667.1	815783.7	917745.4	883253	840151.2	182350.8		4
1693604	1350244	1952239	1470034	1482918	562760.9	[361][M] <sup>2+</sup> [M+H+K] <sup>2+</sup>	23

1480691	1426732	1356765	941966.6	1899338	2561910		2
17308912	29785043	13344081	14195558	34378651	94455538		2
36457127	38873600	22841428	26640549	31992160	37545273	[275][M]+ [M+K]+ 256	56
338710.2	7993216	5229562	5150088	5880676	13245128		9
3528916	4430818	2964723	2846586	4394375	3778178	[M+K]+ 776	13
988877	970767.2	1110650	3.81E+08	11822702	10118306		1
2756413	2225388	1002301	1059059	852020.7	2390139	[903][M+1]+	281
572155.6	154272.5	2296606	537163.1	631818.6	5371050		9
10177301	20683972	8472133	13437580	20929768	21911394	[352][M+3]3+	2
2674401	4581569	2600934	2569593	4345069	16811139		2
1562586	1741839	703051.2	493678.4	1376015	1402838		4
8451958	10483320	9101920	7702076	10015070	5929502		9
94274834	1.28E+08	680506.9	69695334	1.75E+08	1.59E+08	[M+Na+NH	15
4264671	4281526	3923857	3677948	3581149	3682152		295
33932489	29470947	24190961	26723493	26464294	11474000	[327][M+1]+	75
5178577	5261667	5007173	3895784	4277864	2121560		4
750596.8	1653006	1509506	604809.3	1852896	275725.7	[M+2H-CH	15
2436093	1252400	2085263	2440400	1904496	170948.4		4
883600.9	666039	265431	461484.1	401030.2	624510.3	[1493][M+1]+	289
5359679	6936189	5667666	4852353	5892049	4705961		9
979519.7	1450838	1246117	405060.2	993576.2	1202068	[3M+Na+K]	6
20952823	20805629	21133853	16742126	18304777	9290322	[479][M]2+	4
7350061	31644354	17557449	4189244	1.25E+08	32588169		1
201618.6	747438.1	805430.7	651603.1	533387.8	886685.5	[2M+Na+2H	16
484938.2	618035.9	2418881	438694	1179800	5157692	[538][M+1]2+	9
3076614	3995427	3112291	2950751	4189646	3182555		13
536899.2	769260.9	391211.8	539806.8	847143.5	670383.1		9
2368692	3770626	4131866	1676995	3155965	8157374	[2M+Na]+	8
1.95E+08	2.42E+08	2.46E+08	1.48E+08	1.58E+08	86320272	[M+2H]2+	20
2.76E+08	2.88E+08	433658.5	485231.7	623509	87567353		4
2548113	3977448	4175549	3930051	3831195	6039635		396
2.94E+08	2.13E+08	2.09E+08	2.69E+08	2.41E+08	88806852	[608][M]+ [M+K]+ 347	14
9255086	8702220	7563760	13182852	4212196	1998699		13
553197.5	626530.4	763773.5	567783	517823.6	464372		9
9946181	6963559	8880075	8531832	8762095	1433497		9

935326.5	1126651	1008245	878290.7	554118.4	835600.8		9
3332029	1230244	2398013	3841947	782959	621788.6		2
216658.9	1476670	1193276	166246.2	497586.9	2711868		9
7869314	13726774	7527202	6508247	16989357	42987469	[1398][M+1]+	2
385714.6	428118.2	270165.2	335556.1	294649.6	120616.1	[1047][M+2]3+	16
41674041	32011585	29137303	43873898	26806727	13551186		188
4265552	3083174	4230384	5386535	4002377	0		14
15221947	4559864	6108729	2019907	19162463	22899452		3
23121452	19059271	20536687	20219305	21337192	4875923	[615][M]+	9
395514.5	263991.8	853465	936920.5	405231.9	1717034	[M+Na]+ 4	135
6315755	4802053	5676472	5943572	4799571	15773834		2
41349494	22417181	31330110	38546445	25907126	7033368		2
211698.6	519217.1	256309.7	316637.5	212374.7	271356.4		4
745432.9	916465.9	1336111	575693.3	671210.6	2702282	[M+Na]+ 2!	8
538683.1	786965.9	1034881	1192543	562390.2	1111347		2
3275300	3357790	5012416	2169992	2456815	4425861	[199][M]+ [M+H]+ 26!	276
4339091	2096296	1557175	1041824	2357590	4717110		294
1176102	2882972	1608801	873174.2	1452248	2486457	[1048][M+1]+	101
3439068	4047366	2577132	3261211	3967164	3143131		9
725716.8	197880.2	419303.4	620439	549829.7	0		4
2254197	3056875	12238933	1852239	2657480	3246213	[M+Na]+ 4	23
900315.5	2612634	1747360	511373.9	837699.7	1875333	[M+H-CO]+	46
5676352	12403603	4393924	3693241	19578348	91013602	[1353][M+1]2+	2
828342.6	942383	458634	909043	343679.1	257970.8		4
520258.3	907693.7	677543.6	0	375064.7	157940.4	[M+Na]+ 2'	81
4386112	3375912	3535857	3225458	4378163	1636683		9
972917	690495.7	653166.4	1006716	1251159	585626		8
146095.1	1149690	1380052	0	592441.8	10028136		2
3449038	1663385	1836671	2164188	1956861	647827.4		4
8601409	12050815	10760776	7018281	8834229	6181400	[562][M]+	12
0	2255544	0	196520.5	1732728	5375006		2
987681.6	1896964	840111.4	1785064	1475236	8895381	[1281][M+1]2+	8
32062224	28448208	29822018	22804986	41486419	17368459		1
11713509	14783006	9044183	7283810	19986165	38016204		2
65376208	50143517	53456559	57854611	53015145	18243366	[614][M+1]+	14

2410163	2210387	904129.3	959030	2746827	2338252		1
669877.6	1948280	1168550	919530	2025488	1768700		2
645371.7	549339.4	356016.7	255119.4	373586.2	270433.7		4
46794047	46594992	20190858	27730192	29525653	21642690	[305][M]+	34
5237752	5280642	5545533	4594859	4327716	1223981		9
785307.1	841258.7	1181099	857495.1	869253.7	656157.2		68
1676609	2275274	2076472	2755674	10683049	792860.2		1
2372139	2312318	2227091	1921297	2183979	1825947		4
1316567	1555728	1603663	1028149	1161983	677962.3	[948][M]+	299
2671653	2084433	1489908	2425611	1763840	0		2
163508.4	818793.3	1424631	1639028	834512.7	588645.7	[M+H]+ 66:	8
980381.9	2455902	1179373	1428632	4729544	11747789		2
78233203	1.29E+08	68640004	73068306	1.63E+08	4.42E+08	[1357][M]2+	2
1086251	1096492	418056.4	587001.7	2176126	1070811	[M+K]+ 37:	21
2185550	1587133	2282042	1801348	2131457	1297860	[706][M+1]3+	20
286253.6	662054.4	233902.8	267050.8	161245	211806.9		91
391334	213313.5	628548.6	135641.7	324267.4	194109	[1263][M+1]+	203
959254.3	843595.1	382226.3	793926.3	649809.5	240704.9		4
546730.2	1710894	1863964	426313.9	791647.6	2480188		9
1062493	223979.9	708274.9	695836.3	897191.9	220480	[3M+2H]2+	42
16526051	8558371	10322013	18490672	9004258	1790433		2
1351002	661003.3	677678.3	617989.7	637075	596036.4	[381][M+1]+	59
1929794	1728960	1474266	1023198	1238402	201080.9		4
2312651	3153623	2718034	2754482	2506086	3131277		95
1156931	1110899	1364713	983890.6	843003.5	853382.5	[1461][M+1]+	357
3620548	148711.4	978734.7	988128.9	2900493	930591		1
1391883	189915.9	751487.8	1393075	1064645	2072376		295
10186854	4423227	1475018	3724337	5793193	5424204	[M+H-COCl	195
619587.8	748482.8	2664196	427737.2	1146098	1074297	[933][M+1]+	20
17933567	2416800	2239423	1965892	2470388	1592847		4
6033977	4493778	5311698	6204858	4022230	50927822		2
3750158	8774248	1910775	1210359	6860624	13386055		15
10659232	14194252	2727060	8626456	12462046	6994946	[M+Na]+ 3:	15
12500138	24507791	13086644	11605720	32565033	66537239		2
3519959	3306619	2996996	2103331	2706576	1399762	[422][M]2+	4



7013611	8430644	7556297	5960557	8175007	4239555	[677][M]+	9
682658.3	1416066	321392.3	414479.1	2121746	8801508		9
5484313	4080744	791216.5	1909754	857965.5	5078825		11
2938021	139377	2368437	3119744	2586128	257153.2		2
8856530	8414028	3264194	985257.4	14070014	9305822		6
1028749	472750.2	2575536	1012313	906018.4	429303.5	[M+H+NH3	6
965596.3	773048.3	1332592	755710.3	499123.5	752436.3		9
15526967	12408984	11789553	11486944	13956989	6427488	[661][M+3]+	4
12432388	7535743	9102261	13501090	7011602	20764818	[33][M]2+	2
1534168	1035352	1805752	927513.7	1822116	2101707		9
5385452	6379445	4947680	4187076	6611500	4659480	[658][M+1]3+	9
931849	1442663	1782071	796133.5	1017884	0	[M+H-C2H4	13
1111771	2114677	1807916	855945.1	1184529	5447489		9
5956178	4718100	6056438	5078483	3936103	2054525	[1581][M+1]+	42
636168.2	1764979	1240408	552597.6	1010653	3024504	[M+3H-CH3	8
211089.1	123230.5	201362	185027.5	76264.63	108506.4		100
1283660	1361230	1501740	3671975	790158.2	1077399	[M+2H-C2H	13
571930.6	1192809	263639	0	1747522	8546997		29
707156.5	385101	615081.6	1364800	653691.8	1293383		152
71114214	1.16E+08	61930345	66570870	1.44E+08	3.65E+08	[1360][M]+	2
3900203	7575294	3962769	5918684	7218373	27165725	[M+K]+ 39	15
1478226	1206201	1633853	1066753	1365119	7056014	[1103][M+1]+	2
2371830	4570850	2501852	1268620	79523752	7264197		2
5172654	4782466	4827659	4736795	5030943	4527810	[M+Na]+ 3	121
3.69E+08	4.64E+08	3.62E+08	2.71E+08	2.69E+08	2.55E+08	[863][M+1]+	1
1353818	1574589	1366774	1186102	740879.5	1450687	[333][M+1]2+	18
161407	247129	1272143	204607.6	236494.8	286696.8	[M+Na]+ 5	38
2601387	2295285	2769491	4.91E+08	20696481	1126724	[971][M]+	36
14821727	15411166	12605254	13180851	12470634	5926954		2
498055.6	416485.5	339207.6	312703.3	347145	69356.85	[492][M+1]2+	490
11814400	11288184	10196018	7441434	9363404	5631681		4
4104126	8457157	8963479	4397607	4867304	2485080	[803][M+2]+	1
4911595	4271776	9200176	2601450	5226609	2565885	[M+Na]+ 3	6
902442.4	385277.5	4067773	5373332	1547174	1487488		235
32611653	28729866	31820239	28325568	29703895	9880591	[M+H]+ 81	13

1110279	2885302	3697229	771469.1	1405884	903145.4		1
14122460	12051684	13286472	12272357	12075228	3772367		13
3669873	5660112	4855816	4761199	1403325	3406792		2
23133080	20671188	23166880	16589856	20177147	10776864	[622][M]+	4
160045.8	141483.3	104582.3	3098743	1063709	2168823	[273][M+1]+	166
7297695	8113989	5689370	5912069	4165498	15613232		392
3659779	857937.5	2185693	1986666	1468815	7578942		93
438387	0	1013875	655343.5	909266.9	1792594		2
2924474	2299275	2238852	2374407	2202506	1589860		245
705220.3	555890.5	678031.7	806836.6	221748	481493.1		43
559775.1	833612.5	667525.3	507476.4	834140.3	893207	[1174][M+1]+	23
1205712	1244670	860557.4	669771.8	6193372	30606944	[3M+Na+K]	93
31903335	21379278	4509940	21837195	38039479	15822085	[M+2H]2+	15
2701203	3595321	2788489	2285150	6748088	40517492		2
27916923	16934298	12678052	12777927	23855554	10451344	[906][M+1]3+	1
512025.6	903126	1041339	1004803	452820.9	1366741		9
7766858	4462217	6100374	8250811	4647289	847922.8	[45][M+1]2+	2
3369628	3275668	1297417	4994839	2906753	3233921		435
1808469	0	1458748	917345.2	556295.7	143113.7		1
811813.8	158663.1	1123418	250575.1	787702.7	881237.1		9
3901880	3769826	5900756	6868465	6316185	3046339		364
7693327	4395621	6139202	7211777	4665440	1482181		2
32544255	29154241	31746607	28548502	29574810	9779048	[M+3Na-H]	13
1267154	2332443	3937111	796087.9	1372711	17347046		9
463472.8	631125.3	446190.4	330655.2	587050.2	904292.4	[1511][M]+	328
11174908	7499215	9459004	8551752	10325081	12521147		2
1859795	1821418	1892389	1396575	985471.4	1054671		4
3988617	3436113	9408363	42935218	753419.2	2654914		71
255359.4	635547.3	333564.8	654118.2	482558.1	1371977		9
1914616	3617638	2196843	737042	3357092	0	[628][M]3+	1
2771553	1956073	3081484	2950423	1327444	3986336		224
1020523	1338958	1090935	846738.3	866496.5	249947.2		9
2729889	414513.9	879971.9	316994.1	2367110	1519251	[1060][M]+	1
10490642	11848440	12942259	13647492	9441335	5002825	[328][M+1]+	113
1238009	181703.3	954069.7	559920.4	820808.2	1496592	[962][M+1]2+	62

1416011	1126122	1655560	1453254	1357627	0	[M+Na]+ 2:	14
57162944	76891231	51367164	48793120	79338677	1.35E+08		2
494791.5	268272.5	97290.34	345007.4	196769.5	246390.7		228
3638002	3343460	3070055	2165684	2752828	1429455		4
1780167	3076287	3824759	1421725	1802726	7478618		9
2417804	1445937	2238983	445636.7	1370186	973498.5		91
579503.9	981116.1	808070.1	0	417684.2	0	[M+Na]+ 5:	81
623941.7	614058.2	2528690	592328.7	843181.4	757581.2	[M+Na]+ 2:	8
1501469	1322905	374879.4	4609133	1496645	2719141	[M+H-C5H8]	3
619214.1	1088809	1291923	989892.3	993181.6	747073.6	[1082][M]+	145
1672507	3347443	1576020	1956569	3217194	15499508		2
54574161	52314655	10515913	1368981	34611693	6739707	[M+H]+ 40:	10
363897.8	235448.5	219939.6	140609.2	198303.5	43275.01		42
8104147	8644460	11515604	33149672	7263292	5449354	[303][M]2+	76
1130520	1459429	1085859	496761.6	707674.4	559688.9	[3M+H+K]2	11
3967278	2188450	1346448	884184.7	2171745	4011067		148
806239.4	380189.8	582896.6	1270310	333251.2	645505.5	[M+H+NH3]	95
1648021	2130948	1274419	902988.7	1374578	1128101	[M+2H-NH3]	81
13145140	7167834	8708142	12227531	8391724	2476287		2
13423487	26100967	15848985	15434465	16680583	44922050	[M+K]+ 13:	13
9.15E+08	1.78E+09	1.62E+09	8.97E+08	1.08E+09	8.53E+08		1
29624333	18520722	23710958	29130142	24866489	2388715		9
16961203	10366336	9641292	13901876	9037991	0		2
334737.7	1643033	1011837	148174.7	1231572	119099.5		1
2873128	2505337	3705590	3937394	3934035	3466895		383
68598763	83444872	37164726	60846171	68367884	54451615	[M+Na+Na]	15
2534601	2523835	2559844	1871781	2101190	1473752	[303][M+1]2+	76
659166.2	1283956	3562686	503994.5	796610.7	32570755		9
2678783	2656669	1125384	2544881	2693727	2734725		375
2059357	3736926	2107772	816153.6	2685777	2186816	[161][M+2]3+	9
23466233	32279642	21099901	20257204	32889528	58473110		2
1790372	1391596	1138478	1517507	1041879	420078.8		2
5465280	5057457	5300389	5821569	4131778	1301396	[1607][M+1]+	2
1.13E+08	1.18E+08	99757225	93698230	1.24E+08	1.12E+08	[485][M]+	2
2119619	2592751	2414975	1950618	1836788	1489072		2

3289441	2839416	3460735	3608372	2535499	910451.6		2
9609478	3899133	2639499	5219619	5010014	2723907		14
57151347	77428281	51381504	48670626	79682952	1.35E+08		2
66638392	1.1E+08	81346929	58309391	64245361	85138779	[M+Na]+ 3:	15
1241803	1895292	1969303	989361.2	261220.2	880140.2		4
5825025	3093172	4866822	5230278	2287155	1230599		2
1.18E+09	8.58E+08	9.67E+08	1.13E+09	8.74E+08	3.56E+08		2
8851576	8868426	1487415	8264715	7889876	6569162	[3M+2Na+I	11
664971.7	681019.3	1084981	605547.8	779966.3	506548.1		4
6137051	2133689	5213416	5830054	2788519	590217.4		2
4373265	8405548	3344232	3501506	11193686	37857796	[1273][M]2+	2
2849995	2724652	2283168	1706535	2354002	1328054		4
36878406	26583938	31096851	34854459	25665374	6139547		2
1041778	932745	794482	1153021	962377.6	925590.3		49
11634950	11204379	10193309	7349046	9449169	5754591		4
1116936	158673.1	1430562	1124943	2847025	5904788		9
138719.4	327934	335452.5	333783.5	441251.6	548763.7	[M+H]+ 63:	18
402848.3	976006.7	978164	91583.7	365329.2	133428.4		9
17558594	14986864	16918991	16557829	15458500	3649405		9
842258.3	362528.6	1206712	533629.1	2390536	932952.2		9
2609580	2377578	2368945	2133013	1714274	4097047	[M+Na]+ 5:	42
7750524	7417724	7413033	5435083	6599944	3037030		4
1239589	1126840	965334.1	1904064	828500	1257011		9
3815647	35918762	46245414	2963308	5288130	22656689	[M+Na]+ 3:	14
2354580	3269242	2668884	1638468	2425668	952405.8		9
20788934	8650529	23275523	9950149	19084106	34140290	[793][M]3+	1
1022068	1344970	1203977	696298.8	1030527	421273.1	[2M+3H]3+	8
1033926	1149254	907887.5	655954	846961.5	445620.5		4
490970.5	419812.2	531969.7	2035773	409630	639454.2		469
35133166	23944790	36765929	22469593	22701854	4638763	[1276][M]+	1
122828.9	364498.3	349820.8	152534.1	366195.8	145523.3		28
13157726	2451432	1510640	1471349	2146601	14713235		93
9122010	3130002	2870476	8507556	5646963	0		2
389861.3	297625.1	116133.5	353005	400643.6	47477.89	[M+H-C3H]:	64
307987.4	1695830	590963.4	388907.8	1593583	824311.4	[1055][M]+ [M+K]+ 54:	24

3066309	3056774	4832362	3399275	3106322	2372416		385
1902866	2004017	2254817	1316269	1614238	1254010		4
2758395	2736566	1179716	2602256	2036323	164983.5	[2M+2Na+]	97
2153757	263777.7	1035938	1108996	1595494	746596.2	[1161][M]2+	1
2457864	1973362	1866553	1898683	1952750	414469.4		4
2197060	470221.5	2826782	2198965	1695737	2417601		2
776205.5	1067845	760579	232466.1	450470.6	0		9
829774.8	541478.5	506142.9	558363.8	276796.9	604482.4		9
8965589	9176369	26896361	15118365	40028660	6158808	[96][M]3+	1
1126690	1735047	1393489	1167642	1153406	1253592	[2M+Na+2I	62
66601654	1.1E+08	81633625	58338725	64211103	84979592		15
2854643	2872836	2031275	2730330	2903653	1826260	[M+H+CF3O	226
2318036	4211927	3783177	2129536	2898851	5449607	[687][M+1]+	9
227173.8	700370.4	294855.2	335024.3	570337.5	1211391		8
3941246	3601213	6628573	5615918	10100066	22549709	[M+Na]+ 3'	3
2188906	3116801	8840033	1879466	3214820	3323432	[2M+2Na+]	14
4932217	3625803	4317369	4655951	4462279	507943.7		2
12799324	13598052	50631365	18817618	22980002	13791432		188
35677125	24457616	37843204	23023433	23435874	4940796		1
5772907	9459381	4104522	4523297	12561449	39928699		2
1374633	4598959	3239774	893032.5	2105021	6632207		9
292392.6	820892.8	992736.4	779880.4	718458.1	555613	[M+H]+ 24!	5
16425182	793235.2	10135202	10237743	721424	841786.8		9
8151395	8602243	5820726	7052662	4912943	4366047		2
328898.4	388767.1	1477071	309886.6	369084.6	258475.6		148
5479117	2847014	1766210	4932423	534771.3	6354123	[M+K]+ 53!	46
902597.7	844823.7	930906.2	1094553	813117.7	8657330		210
824646	2322188	2261901	1271522	1124960	2084552		9
961254.1	1166251	1170770	1240365	1127568	1431840		30
473543.1	492014.5	1291131	385462.2	410372.5	870918.6		91
979534.5	1178281	271236.1	877026.2	876147	1989090	[M+Na]+ 1!	351
468920.4	1598109	1220343	214099.2	495451.6	4279166		9
718746.1	208470.1	632231.4	169871.7	659875.7	134735.5		17
8982435	9047090	8706254	6887901	6902137	3587493		4
2799973	3558955	1639562	2202455	2963764	2905476		9

1481636	1108546	160424.2	2755820	888191.5	7120465		46
827910.8	1721129	1110134	549257.1	1049743	1846204		9
6976525	8364628	7869188	5418777	8760296	14730115	[539][M]+	281
1436687	1646576	1137592	644489.3	1099198	1701798		4
108676.6	0	714333.3	0	506615.3	221163.9		9
1498261	1936503	2077342	1064154	1461923	1015348		4
11835093	4130694	3019255	5001701	10862982	7574049		1
24473662	32361058	20733584	23545635	38333986	74671175		2
561321.9	78062.91	1269933	1227706	541387.3	5924924		9
203125.3	944544.7	1462761	0	658987.1	2605058	[3M+Na]+	46
997566	2141020	1411179	634488.6	1310355	1830131		9
486529.5	0	882809.6	1134169	549177.7	1171807		502
1147136	6947412	4461343	3522502	2799594	7614555	[M+H-CH2]	15
4306244	1762105	2600559	4382179	948204.8	514291.6		1
2240780	3632836	2622150	2957709	3751692	0		2
1688162	1550143	1842756	1406180	1070670	1011575		80
4178911	7075853	11165180	3813753	10647737	7906542		33
536182.6	683605.1	403578.8	688219.7	445098.7	414486.9		57
6937604	8149910	5743261	6205463	10787904	20297145		2
318535.8	0	395244.2	103064.4	429620.7	761161		9
333424.9	158858	278572.3	2.27E+08	6060184	1223070		66
910973.7	421380.8	583973.4	239383.1	830855.8	833716.7		4
2320507	2533848	2350342	3063918	1920448	0		14
1360489	534167.8	1469922	1382855	1047345	938054.4		1
1734775	1589778	1477188	1565498	1505622	727762.8	[523][M]+	248
1450636	1558038	2824170	1027719	1917331	2118996		9
768934.5	1441518	2126727	668605.1	777322.2	1293876	[M+K]+ 232	8
1753505	1205848	1161500	3394371	1544376	1743590	[M+Na]+ 30	15
606424.1	6227025	3348940	8079539	5683044	8288602	[M+Na]+ 18	3
429601.2	275835.2	498782.3	674560.3	249806.6	333457.7		103
7695514	11900134	8682955	9725163	14888936	11850319		3
5153026	4573582	4509438	4812826	3951183	260189.9	[1159][M+2]3+	2
4674112	4539036	4347212	4087621	3407957	6754891		2
2414036	1607628	2350132	1866481	1627969	1654555	[M+Na]+ 40	95
3884143	9707093	2850593	2898186	12874363	42525850		2

1353289	394345	327940.3	568241.7	551014	4395933		17
91325038	8684258	8453950	6487038	6015460	3070487		91
1154505	1428961	1419409	825482.6	1029416	1170414		4
29086621	2720516	21898735	27329377	2496621	2541373		2
1178608	170581.2	1364341	1189995	536033.9	1449601	[M+2Na-H]	13
53214725	47075629	47782283	45733727	45654440	30183340	[51][M+1]+	4
26122768	27591788	21465941	25939665	30939805	20794286	[467][M]+	2
5928260	3645994	3671765	6247332	3232697	273531.6		2
2730861	2650081	2028207	1689260	2006765	1398884	[943][M+1]+	110
3869807	6322240	2622973	4456759	1872720	5064250	[1234][M+1]+	2
3512217	4434998	3026742	2835805	4664121	3794554	[M+H]+ 570	13
6420662	4846631	5770196	6193421	2867779	1037315		2
7823307	8060740	3572284	6708918	3516414	4088028		191
2215198	1731543	2140993	1585857	557852.4	137850.2	[227][M+1]2+	9
2134755	2278608	2661583	1622866	1960267	5027622		9
3572810	3391331	3148454	2920770	3360619	1644734		4
882465.5	1091607	770872.5	1237491	801413.1	4101146	[716][M]3+	4
6486772	3788781	5391304	4466022	10041133	9818119		2
1796911	815573.5	4259385	1605387	1926071	656754.9		1
36364424	20124368	42302066	42080622	20275593	22429674		67
3134148	431530.1	7605144	2814683	1754013	3173276		2
3325381	2321614	2393070	2010776	3879820	3154508	[M+H-C2H4]	14
3135204	5041895	4156626	19349559	3965678	6749987	[746][M+2]+	1
8081081	7808590	5612606	7751605	6610252	9002291		325
1912220	2315269	3925319	27269894	2767583	2379586	[1062][M+1]+	142
7742744	2989974	6604342	6435441	5614432	2424664	[M+Na]+ 20	121
5.18E+08	4.19E+08	4.3E+08	5.14E+08	3.89E+08	1.57E+08		2
227779.2	157440.1	133673.6	67480.03	192988.3	165861.5		145
3895803	4037078	6469208	4016797	4238525	2958286		346
477452.2	705439.8	712219.1	11415064	658262.5	82642.27		9
3731041	4071708	1166584	2365792	3975979	5969539		84
3188983	1894943	3217301	2624106	18470877	3796568	[53][M+3]+	1
926625.4	3528770	3733430	6964850	3330217	3334908	[M+H]+ 560	369
4183460	403754.1	14109256	16640016	5871220	4088190		2
835019.1	822380.9	1720501	501040.8	1447488	262906.5		1

4591670	26989631	3090122	3784272	7488769	20605667		18
4060736	5058581	3513737	3028987	5018992	4560804	[M+K]+ 840	13
548556.4	596580.3	491626.3	392382	454505.2	399198.3		4
1134027	1749014	924923.6	1162468	976575.7	703359	[M+Na]+ 10	29
16303716	16329721	15552097	11416867	11326779	5562182	[463][M]2+ [M+H+Na]2+	38
1208100	0	556922.3	897105.1	799367.6	0	[M+K]+ 870	8
5171323	7526170	4665262	3850747	6983876	24831588		2
8307986	10096081	8010972	6562612	9603770	7745712		9
2577500	2521846	1479405	2640580	3602364	1305783		4
771824.9	812307.3	1086887	453596	786208.3	1061584	[M+Na]+ 10	8
238988.5	846706.2	769705.5	398581.4	227949	1014363		4
3712738	3138874	2242899	2811100	778779	2586870		15
2871580	1621980	1991326	3694534	1921984	0		2
2555611	3062796	1455719	1691055	1503190	1525118		387
901485.5	2431987	680842.7	257995	1664607	5073323		2
411277.7	858111.8	1026540	20984266	542352	477754.5		4
1767920	476914.9	464222.7	420161	362082.3	160622.2		72
6331890	6202039	6571529	5209243	5514935	2834247		4
7102032	12681757	6828648	7157245	1352155	3728172		270
305436.4	298165.6	276344.9	2.15E+08	5331127	222944.8	[971][M+1]+	36
739384.6	1186723	8408898	433943.3	1059609	691677	[M+H]+ 540	8
2054745	4057778	1999691	1332923	3826693	10925071		97
2598532	2072430	1910364	2007395	2044164	214973.6		4
538184.8	974656.4	677388.1	608881	880154.6	1177127	[M+Na]+ 60	110
2342760	2447470	2174931	2123860	2447199	2122006		190
1544773	2168120	1546222	926698.4	1179960	1460924		4
2954978	3110077	3321184	3559772	4713433	14995183		2
480887.1	600680.1	543393.8	298942.8	310171.4	214608.9		4
2643399	2985306	2374581	2577951	1748543	2200792	[355][M+3]3+	2
5196397	3523651	3724042	4628394	4668745	1883686	[48][M+2]2+	2
6039507	3255468	1049402	4937750	7109858	3598691	[3M+2Na]2	3
138570.5	114860.1	162871.6	122881.2	58469.48	76727.57	[994][M+1]+	357
9122421	4332800	3740643	8273870	6291594	1602221		2
30382487	1332236	80567905	27396843	671720.3	4698502		9
0	0	0	1.91E+08	2592993	1426571		1



4023458	3427705	2975546	2835804	4325461	2504881		1
3515586	4132146	2784895	2045045	2260247	3169001		29
957921.4	2202362	862299	639917.7	4218791	11233505		2
257269.6	1329244	64673479	1088637	217845.7	1032347		12
19540421	32567735	17728589	15101498	38317865	96318628		2
63853726	1.08E+08	1.04E+08	75109339	79555656	1E+08		54
426134.5	303452.8	448903.2	527714.2	391487.6	362818.6	[1002][M+1]3+	16
5792144	5694444	7698775	7673120	4672098	5180653		241
0	530236.9	624132.5	26510.54	304349.7	153667.5		18
5010245	4599901	6263089	5985443	3356695	6012861		403
10373417	7842439	7309154	9570080	7142604	1526407		2
735366.4	2007491	3298412	649037.9	833023.7	999023.2		9
2381583	730664.3	2657821	1906858	2192624	1058947	[M+H]+ 34!	46
2961832	3693738	4056997	1346000	2254194	3473708		1
2342846	1421888	2541000	1412161	1980106	695736.1	[1286][M]2+	4
4.13E+10	3.68E+10	3.68E+10	4.05E+10	3.6E+10	2.75E+10	[1247][M]+	2
350834.6	922820.4	535296	287139.3	628620.5	2046008	[M+K]+ 47!	8
32646254	45342242	20465318	28267897	46646458	1.05E+08	[1341][M+1]+	2
5455467	2459437	2174928	4898208	1772160	394035.7		11
8980843	2900126	9396156	8436445	1549671	1856915		2
16030865	8341581	20974888	17802385	9034074	11533491	[111][M]+ [M+K]+ 19!	86
617215.7	5222727	4166495	7409331	1168932	50717895		1
2502167	809097.7	699606.5	1000805	2076452	1692842	[844][M+1]2+	68
5362476	6968722	4157299	3864110	4219769	7880219	[M+Na]+ 6!	93
4514695	950479.2	795034.5	2835901	2926432	1526199		1
21581854	21081644	21598339	16773869	18720905	9900979		4
205274.8	856411.7	884779.8	660747.1	636243.6	315613.8	[M+Na+NH	39
20977802	24198470	19642631	22689380	23983680	16963789		13
9675339	7182429	18148117	1.04E+08	13570746	8958605	[1062][M]+	142
15137310	16016085	15384866	15362620	13976889	15060712	[777][M]+	190
2921825	1657932	414005.8	2421549	5165444	5228980		5
3501708	6102125	3751327	2407219	4998418	22819016		2
2576993	2264933	1784939	1785956	3970758	4940414		2
68633854	51207958	53315111	76642628	56426889	16459642	[1253][M+1]+	2
1242706	1307313	1014006	1175271	1214524	0		9

3311170	290886.8	2815051	807832.4	1877418	0	[579][M]3+	397
2135368	843469.1	203165.9	944801.8	1639394	98894.45	[M+2K]2+	11
19498235	19453476	22496907	29392974	21933584	22221248	[697][M+1]+	83
1072443	1517144	762235.9	472658.6	897858.9	1193158		13
16375545	11920388	13760079	15870377	10220575	5629565		2
713426.9	572689	484490.6	500217.1	364647.6	310877.7	[3M+2H]2+	16
3565070	2576314	2884315	3087736	2853108	789099.4	[80][M+2]+	4
13586055	10917814	9950357	12522608	8803542	8103378	[1305][M+1]+	2
2298418	2156051	3180537	92002.44	1482789	458755.7		1
3804726	4687338	3293014	3083185	4879776	4118015		13
564224.2	622397.2	550942.7	438631.8	550714.5	376131.4		8
4953272	3459809	1543214	4216484	4248235	987486.8	[3M+3Na]+	14
23367784	38404600	19814029	21988669	47554551	1.1E+08	[1361][M+1]+	2
117720.4	405580.8	251872.9	0	417531.9	121920.1	[1426][M+2]+	38
6276633	7833998	986398	2977747	8287803	3278349	[3M+Na]+	11
5.45E+08	4.95E+08	4.76E+08	5.44E+08	4.69E+08	3.1E+08	[1247][M+3]+	2
829531	999472.6	509049.6	727596.6	986403.2	602009.8		9
3910267	0	1187366	2388201	2333981	1310270		2
548110.8	426154.1	700631.5	494532.2	449378.1	529078.3		134
113238.3	0	136881.6	1.46E+08	1629787	901879.1		6
7849439	6903481	1680048	7679522	8615317	10694548		3
2905931	1453824	2880017	2628935	1155411	2821702	[1277][M+1]+	2
42168865	61755096	31497613	29793053	73144807	1.78E+08		2
1236599	84474.97	1091887	1231314	743664	421835.7		46
3678159	4688929	3886987	2975131	4402270	2983011		9
9820138	8232472	10185737	7135594	8387775	2239081	[M+Na+HC	16
61225356	55038497	48263905	53021856	65851680	54036523		2
1865217	2052305	1904095	1959131	1743628	1372328	[260][M]+ [M+Na+NH	24
1756692	2550484	1640629	2453595	1213713	2166245		9
3451944	3408569	21705283	7508187	3110476	1358282		98
1198175	1423582	2852374	907432.1	1028382	1652943		9
14483825	9765974	27339534	8951226	8617808	15353560	[673][M]+ [M+K+HCO	3
2032965	1627995	1519729	3893073	1721790	22616472		1
10262002	14230805	8742168	8172443	18353411	56351824		2
6145729	10914194	2284060	7719417	7319798	9077694	[3M+Na]+	3

1918294	1761086	1544826	1132754	1520464	312218		4
205971.1	191853.6	509227.7	191921.2	130419.4	174377.1	[1567][M+1]2+	110
553938.7	2149683	0	969990.7	1667429	12630402	[M+2H-NH <sub>3</sub> ]	21
2569925	915242.3	4622466	17504227	3060506	409494.9		262
1030753	485415	757941.1	685870.5	915935.6	0		4
53424876	28916525	39491118	51196720	32370821	8889950		2
3749332	3585049	1.02E+08	4072837	3321446	3699143	[M+K+CF <sub>3</sub> CO <sub>2</sub> ]	3
209866.1	210961.2	194567.4	472513.6	90014.28	808397.4	[M+H-C <sub>2</sub> H <sub>4</sub> ]	16
365111.1	295347.8	1258370	6801523	321020.6	318562.8		12
502289.3	0	1239866	355727.7	710659.5	0		9
1232744	1555652	1229327	778506	1187138	1603735		9
698456.8	0	985817.4	1608104	1933940	2768017		2
3425959	2401785	1517718	2661950	3648797	1221334		4
1983672	2395777	1770721	2006802	2109578	1325584		118
5526621	7271258	7215337	7403618	7134938	22469481	[757][M]+ [M+Na]+ 4:	83
984192.8	893942.6	954409.6	1.95E+08	4361489	304645.5		74
138911.6	112653.3	226962.3	91189.18	126648.4	36213.94	[1571][M+1]+	394
6250181	5693269	5299688	3924581	4281042	2482091	[M+H-C <sub>3</sub> H <sub>7</sub> ]	20
1078474	1574048	1593650	1100370	1258740	1020967	[1486][M+1]+	394
12909240	15904826	44377784	20787892	21347704	8945898	[M+K]+ 56:	29
2092041	2428061	1228797	2237317	3737972	475654.8		2
170690	901618.3	776900.2	309559.7	517996.5	712734		9
416595.3	354131.7	445820	402793	434898.4	282835.2	[765][M+1]+	218
403488.7	518143.3	425473.2	385022.1	213062.5	311502	[M+H]+ 14:	23
227279.1	110887.4	243490.8	179108.9	169265.9	118165.6		148
16635323	19713300	17554797	23799790	24850977	12953103	[53][M+1]+	1
745499	994494.7	791472.4	492620.5	517780.3	621243.1	[3M+3Na+]	8
881665.2	76016125	11201177	74795276	1.02E+08	10224706		1
1146170	1410185	1966971	1261511	1332446	4107793		9
6565653	2547354	1195054	5716349	5414189	9377139	[M+K]+ 69:	97
12273971	82463872	33531918	8298154	34510800	2.18E+08		9
17398741	20361368	15984778	15834739	12387255	12956842		1
4761034	2736932	2599993	2575732	2571127	2410412		140
644771.7	950994.8	0	675307.5	989654.9	14223360		53
4623629	4640720	4072350	4057533	4298135	1779733	[335][M]3+	2

324259.8	365446.7	632535.2	280961.6	924766.9	496917	[3M+2Na]2	47
518055.3	1278846	1483648	339871.1	571060.4	568316.6		9
29488028	29011943	29733598	23732213	22953799	9280401	[1241][M+1]+	12
4305867	4292914	4085205	3349721	3493717	1993858	[834][M+1]+	116
6469780	10046414	5872816	5346341	11670339	24425537		2
3581314	6339594	3470237	3038399	6521518	14045526		2
1565954	628270.9	2162447	1748847	441498.6	479297.2		4
1116116	786549.9	1038327	638026.2	564199.4	492818.4	[M+H]+ 28!	81
561273.4	1293016	1208189	0	817007.3	466876.2	[M+H]+ 51!	46
2875134	1646187	2219542	2012471	1939630	453339.7	[533][M]3+	58
1004933	2166097	3347564	749341.1	1238676	778548.7		9
3.1E+09	2.4E+09	2.67E+09	2.91E+09	2.29E+09	1.16E+09		2
3576283	2531006	2935969	3097905	1891512	0		2
812120.6	713467.1	939831.2	690034.8	696749.8	285480.3	[158][M+1]2+	4
2.98E+08	1.1E+09	3.32E+08	2.52E+08	3.14E+08	5.49E+08	[M+Na]+ 4!	16
1434186	1850235	1087085	1124602	1850292	1553173		29
10235642	1048164	12150910	13861021	9173999	8657902	[M+H-NH3]	14
1863436	1820902	1515772	1582299	1447432	1270146		117
1895437	5303276	1264430	1886309	1458741	7320062		2
1946608	18167402	5925484	14988768	19987175	12918234		15
136008.8	721213	597626.4	279438.9	308599.1	661706.7	[M+H]+ 50!	18
2382664	285711.8	122867.3	1902278	1121145	0	[M+2K]2+ (	46
2695017	1369515	3276760	3172792	1295281	1209921	[559][M]+	50
1804039	1520763	364759.3	1677309	2143057	3094875	[M+Na+NH	21
475257.3	1300734	1233082	374406.7	871375.7	2420457		9
1436757	5213392	1676611	1576567	3259746	7708439		2
1050010	782989.4	606489.9	498511.4	556959.4	0	[2M+Na]+ :	81
29418049	24895712	28984218	22594805	23356033	6820012	[798][M]+ [M+H]+ 45!	44
2357262	2524982	2342317	3380158	3651812	6352767		2
20373693	19348955	7810409	9176232	17676231	59197509		218
1070897	2450918	2427863	2100357	1251066	5183072	[M+H]+ 51!	14
329695.6	427501	288858.7	191672.2	202329.6	606354.2	[1516][M]2+	91
8526407	1003854	1727577	3657395	916875.9	10494685	[M+H-C3H:	159
1.07E+08	1.02E+08	88408032	96856667	1.12E+08	1.01E+08	[1309][M+2]+	2
2157443	1690197	2606826	1789989	1577816	752684.3	[1538][M]+	169

390896.2	560914.1	349708.7	373414.6	290597	642018.9	[1331][M+1]+	101
19905984	5196821	3482696	18075252	18743270	4293715		321
1016096	1500202	1525421	809593.8	475602.4	632383.5		5
5903864	11615537	12224214	1366064	2842680	8122585	[2M+2Na+]	15
6265738	3130670	2864134	6605161	4375290	0	[M+H-H2O]	14
3696046	5169510	2619106	3182632	5163211	9810812		2
2528867	4252725	2322400	900981.4	4171361	34685996		2
442338.6	500887.7	667641.9	459820.8	405884.6	179000.7		4
11261430	9189966	9246655	12142932	9981696	7559493	[1215][M]2+	2
26150709	31415335	11200032	52801924	31277339	69007025	[378][M+1]+	33
64801299	50603556	53665961	57317195	53174481	18966624	[608][M+1]+	14
7894242	4305186	5267843	9568606	13605439	5028521		1
1789632	1155123	1127901	1072260	341678.2	0		70
484456.7	792007.8	0	266199.3	470371.2	308451.7	[M+H+CF3O]	6
786775.6	792478.5	689981.9	730488.6	693368	3866260		9
535247	0	1164683	434112.9	597958.4	676800.1		9
19112189	9013671	15273637	18159195	10296048	3617360		2
895262	1148576	1201085	659812.9	817021.8	349247		4
5226321	3848264	1229389	2711887	5249666	1975076		11
1513254	1592349	1099925	1172088	1254900	419965.6	[1424][M+2]+	12
904257.3	1549597	1464121	81616381	1021859	1120491	[M+Na+Na]	8
1458833	2485967	1351789	1569743	1364468	10519543		9
2010575	3232875	3176632	3066379	3243488	3166591		439
360161.8	2998110	174931.1	0	3946768	15605414		2
336053.9	0	355843.1	170264.1	274693	381665.6	[M+H]+ 180	8
513934.8	571193.4	371645.1	401929.4	317448.9	685735.2		128
2702942	2938963	2938677	2203067	1797048	1593909	[806][M+2]+	4
3449994	3915521	2740871	2988933	4066147	3531581	[M+K]+ 194	13
1076194	2400108	302124.1	947964.3	1384520	12380925	[M+K+CF3O]	15
59167798	57184248	49604626	53085058	55915406	42126317	[184][M]3+	2
1383388	399722.4	1899452	1310484	237973.6	283375.3		4
2658180	1793335	2872724	1962904	1802033	12446930		1
479063.2	698363	648875.5	263681.4	595493.4	3823657		9
2189031	2054972	3331979	1821921	1083605	1019869		4
77995333	94636377	77162805	70160321	86079966	72349091		13

480259.3	1.58E+08	236930.3	751489.5	242112	84029958	[326][M]+	55
752089.1	1148166	302181.8	844322.3	917585.3	4176277		9
4366668	1969679	1740581	2530301	3248318	460401.3	[M+K+NH3	15
681767.1	266991.8	208910.9	219543.3	363338	9892666		17
149053.6	120930.1	188693.9	147102.2	151050.6	96143.84	[M+H+NH3	450
721239.9	2486506	2909895	2353268	2148957	7485836		1
2757238	5768875	3771161	362767.5	1735638	1957173	[M+H]+ 200	58
2885600	5743079	2892816	2441557	3868451	2973881		344
961405	930445.2	538366.6	585458.7	804125.9	65361.69	[M+K+NH3	12
3946818	2021973	2177810	2128680	2451956	1125813	[1204][M]+	436
881163.4	738831.9	469839.5	757117.3	567436	395651.7		55
1803109	1786588	1895081	1491342	1437093	923181.7	[947][M+2]+	116
7631600	7598663	4529408	7697463	3443139	7608127		183
4128112	4256604	4580460	4405701	4834361	2783083		316
1642893	1494793	2648457	1844305	2638964	1097319	[224][M+1]2+	2
812792	525931.8	498218.1	688943.9	779700.3	0		1
1097926	2268754	1451883	694322.2	2914412	2647324		2
1170235	799176.5	744876.2	641712.1	938607.1	2447642	[M+K+CF3C	46
497306.6	870335.9	570976.4	360248.5	412452.4	97436.48	[3M+2Na]2	12
1450796	2059773	1301502	852107.9	1309196	3890387		117
62212846	63295926	45288718	65164877	68014098	75316348		2
4108877	1952158	6233688	5413266	5830319	5265399		2
2981383	1867903	2260573	2463232	2163774	323239.9		4
4750398	297019.8	2553719	5332634	3545649	4800585		9
68807631	1.02E+08	61115365	57657533	1.21E+08	3.04E+08	[1367][M]2+	2
13817735	8921474	6909161	13971520	8037033	2028570		2
4912292	1809615	4510102	5413771	4110919	1157112		2
3176377	3957128	4497861	2201101	1683828	0		9
2480599	3446309	5075775	10141458	8459219	997069		15
819730.6	1129530	891042.3	639229.4	865104.2	517120.9	[2M+3H]3+	42
660964.4	878272.6	1072986	212974.6	665045.3	1044702		9
2314965	2482507	469432.7	575115.1	3937894	3878415	[3M+K]+ 15	11
4354228	4151541	3713115	2759642	3146140	1929135		4
3290432	3045510	4535682	3032327	3094112	1718833	[1445][M]+	203
7295272	9090799	6210717	6718572	9506674	5697160		2

1.26E+08	1.27E+08	1.17E+08	1.11E+08	1.05E+08	75375468		4
533554.3	1429991	28582560	1658096	980749.5	414245.9		89
3207219	2508579	2773249	3084956	3575595	979747.9		9
544819.2	141341.1	1189995	256019	271829.7	78544.55	[M+H+NH3	136
3539194	3394696	3134252	2319069	2743349	1075628	[872][M+1]+	86
1.51E+08	1.4E+08	1.4E+08	1.39E+08	1.37E+08	90158537	[411][M]+	4
8241841	17641714	4145932	27898125	30804023	15175487	[M+Na]+ 4:	46
176391.2	422148.7	604606.6	349040.8	231599.3	339322.1		4
2784888	2807234	2773635	1851480	2225615	1862403		18
29893833	26189453	24567348	24088502	25172108	9944286	[1070][M]+ [M+H]+ 59:	46
415147.8	484980.9	465851.2	47811213	455565.5	579104.9	[537][M+1]+	160
169211.4	1670611	1.14E+08	1552753	1542535	455149.1	[M+H]+ 48:	58
0	2065962	462728.3	158489.8	1642197	1180562		93
4997438	6497483	8334312	4445453	4480124	5125768	[M+H-C4H8	15
5014863	5021670	6769477	5951496	4878010	7068263		2
105770.1	200471.4	205370.4	235587.2	190945.9	752919.8		517
18287101	16300401	14998948	12798361	20554013	7023144	[849][M+2]+	1
851492	1621111	1352450	392274.7	501460.5	0		2
1096130	970506	1182936	852024.2	539577.3	16909401		9
48464727	68093674	51388100	32292929	39978709	67392713	[852][M+2]+	1
1.92E+08	2.75E+08	1.74E+08	1.61E+08	3.24E+08	7.81E+08	[1365][M]2+	2
769111.5	597508.7	718891.2	399677.7	967361.7	814956.4	[1222][M+1]+	17
742456.7	898802.4	528526.2	4544754	154764	27372870	[M+H]+ 22:	135
11263363	7195833	6460509	5550418	5478804	3177854		40
30654747	16954306	17894145	12118203	8932801	15220174		178
1534990	2008434	944257.7	1130213	2582942	3025906		2
737294.6	4175717	3997897	760658.3	537503.5	1488446		4
4918742	993439.3	880184.8	4689400	510807.3	1635780		106
2899739	1928329	2739657	3436507	6386441	2827057		386
1377959	7558450	6083283	1821766	838105.2	815195		4
6567965	8978721	4401573	4173283	6276344	8521712	[695][M+1]+	119
914222.2	1149355	730358.3	836636.9	1275397	0		2
2.06E+08	2.91E+08	1.85E+08	1.73E+08	3.48E+08	8.2E+08	[1361][M]+	2
780658.8	962979.9	370163.2	646853.5	654220.7	1371544		9
235768.8	99373.55	302072.7	315494.7	316242.5	299041.2	[316][M+2]+	48

5424822	5782135	5197881	13800809	5260193	4913975		226
2127034	4005946	3787537	2906336	1.36E+08	3825328	[M+H] <sup>+</sup> 20!	11
8556826	9014738	15370255	9303396	6352825	8022781		380
599569.3	1104881	688266.2	454151.2	681721.8	820258.4		4
431887.7	889909.4	21770731	1444075	628407.4	1282287	[M+K] <sup>+</sup> 36!	46
5919832	5514431	5396879	4381346	6667606	3005143		418
1428158	634149.6	1445927	1199245	2945272	4506049		93
1354775	715319.2	1240698	16541715	153926.8	7822575	[M+H-C4H8] <sup>+</sup>	41
904815.8	1224286	1107658	2237599	2112452	6660463	[M+H+NH3] <sup>+</sup>	3
2278264	2854346	3035261	2608964	1067964	2016649		35
4528154	2592242	3813771	2401330	880437.5	2677138	[M+H] <sup>+</sup> 42!	15
650085.4	944989.4	2764325	508805.8	452492.6	832507.5	[1275][M+2] <sup>+</sup>	38
1706551	1245386	2019241	354884.4	1374091	119106.4		1
13086570	10885831	10137805	13800488	11569414	7604171	[432][M+2] <sup>2+</sup>	2
15002630	38205543	8511827	5235552	24337180	32403902	[18][M] <sup>2+</sup>	3
9229296	8023540	7620730	7260980	7280055	4693085		2
1563660	1065250	2125323	128761.1	1010435	580688		1
1312239	2459766	1534042	1577660	1676614	3734364		4
260172.6	898612	962226.8	162722.3	385715.2	2031008	[843][M+2] <sup>+</sup>	9
1185727	896642.6	1248574	1141755	1197854	973840.9		28
3466407	5115830	2052098	3379531	5539954	7822310		2
33031043	19013231	24325399	32626396	25832831	8373448		2
37417083	1617300	1988525	468656.8	751577.1	881455.6	[M+2K-H] <sup>+</sup>	13
493117	480882.5	605726.3	216134.7	533840.6	202268.6	[1074][M+1] <sup>+</sup>	284
2115402	2092557	1713553	2251887	1721549	863905		9
3061030	1735561	1931140	2001482	2619673	2291718	[M+H-CO] <sup>+</sup>	15
2230157	2518881	3613955	1105086	3481131	732242.9		52
2697098	1618643	1742278	2094931	1922550	456936.2		4
905883.2	771721.5	474764.1	657744	669632.2	2283500	[M+K] <sup>+</sup> 35!	8
8093972	7768699	6267676	8303573	8832370	2153234	[M+K] <sup>+</sup> 54!	14
1693668	930148	1199802	1296205	1223405	1072457	[M+3Na-H] <sup>+</sup>	13
5191167	4770647	4891766	3322694	3922912	2002208	[1256][M+2] <sup>2+</sup>	4
1264746	1090468	2972815	349296.6	2433165	0		1
1008114	2573990	1434220	760615.4	1565579	5325958		4
2304117	2723026	1529157	1465236	2454280	2232344		9



2255987	1947008	2088816	2109487	1861256	12466048		9
1254807	507444.4	5338757	966299.9	805467.7	843047.9		9
3323628	2151359	2148469	1610429	6079910	2197289	[M+Na+NH	20
18598505	32790193	24979986	17466125	21823358	25785105		1
2900072	8273661	3370486	2676530	8802716	14383075		2
3397188	209623	2790143	4034158	2628605	297968.9	[3M+2Na]2	13
25952084	17731256	19162229	25988061	20232557	5650894	[31][M]2+	2
17870392	13193446	14348207	19510482	15489595	7751987	[519][M]2+	2
7669973	48349002	14278959	6564603	10408619	53582050		144
10295453	9939550	8952399	9886409	12630701	12460118		2
4666569	5163934	4896707	748278.6	10340119	50632857	[M+K]+ 43!	29
471820.3	489387.4	122342.1	145956.2	440297.2	61955.65		67
36125753	44178582	42193576	30358892	47623957	60652917	[795][M+1]+	26
90820.27	152244.9	97712.52	200269.5	104408	658724.6		44
3227445	3153717	4842367	4682415	3662493	4270458		385
2083119	1614345	1766616	1413507	1511986	642498.7		4
10710272	4720023	1.28E+09	6211778	6577292	1607800	[M+K]+ 34!	14
29986724	3844783	2836831	892582	4062923	4900039		2
4476781	5160998	4911557	3497409	3645958	1926168		9
1360205	608213	1282214	684931.9	1032421	259798		9
1054393	318210.2	945133.1	1070782	683618.1	782772		4
9803560	25872912	24355928	4555658	4.02E+08	38609432	[741][M]3+	15
2490597	1778012	1005544	959630.5	3273347	5.68E+08		4
6727909	4924003	2597631	4208714	2939458	4055316	[M+H+NH3	26
9783251	11159023	8577218	14072985	14498117	12430809	[M+H]+ 47!	15
3899223	4380918	5197024	3099415	3233867	606986.9	[M+H]+ 53!	46
2830414	2506355	51545727	2481740	4456677	12054108	[609][M+1]+	9
5764583	5120062	4479424	5391308	2796821	3708997	[1440][M+1]+	35
5140439	7300148	7196344	3651832	5233016	2722305	[M+Na]+ 5!	12
2793679	2585126	1998805	2327653	1639488	175718.1		9
4577054	12379291	11813313	3027818	14862737	21346620	[M+Na]+ 4!	33
535910.9	7586243	4317990	3009206	9558382	7034420		2
922571.5	1028801	1124091	781146.2	820591.4	479703.6		4
4257673	5742881	5992742	5417401	5235876	10352505		293
858355.4	572715.4	451515.2	406670.5	425460.4	130776.8		81

17745431	15242821	17236632	16957634	15901675	3764555		9
4667242	4544826	10421141	40723483	819216	2991932	[M+K+NH3	86
11770444	842674.2	1694821	2014592	3825850	11528804		2
10493828	23463770	16026322	7478393	10434139	27904401		14
17957037	28258884	15322985	15002413	37234974	88883029	[436][M+2]2+	2
7324363	9693564	9291080	9566741	6026211	9255959		267
19711557	11301256	15466944	22243092	12397137	7179109		2
13402498	6313833	13998496	37967033	6516564	6411076	[499][M+1]+	136
1.17E+08	66890663	94103431	1.09E+08	64341050	26886300		2
663401.7	1331582	1295564	0	454566.7	1547883	[M+H-CH2]	6
14136243	4980444	931360.1	7268965	517394.9	24495145		15
5703924	5318146	4792557	3709152	4812413	3014488		4
2595423	1719502	2637715	2244494	1899835	246447.8		155
5583810	6620665	9417110	4567013	8624314	8972563		2
14197001	12460255	10079360	9922671	11193047	3507274		97
1086178	218887.1	2085034	2961610	1458669	2876064		446
654000.2	879741.7	784956	626292.3	444882.6	259172.1	[329][M+1]2+	9
239989.9	377115.2	420233.2	8066952	417905.1	141911.6	[M+2H-CH3	18
468791.3	421801.3	479246.7	292978.6	563028.8	228831.1		4
1592704	1863764	2332023	1491630	771700.3	416273.2		4
2307302	3647181	2294843	1411079	3823528	6235594		274
338696.7	683407.6	400906.9	0	371461.8	0	[M+Na]+ 3:	12
10390219	8497313	8970115	10111326	10338703	3352229	[3M+H]+ 1:	13
448326.5	431463	481041.5	44775225	515572.5	144202.9		66
8048719	2463354	7801805	10479200	2856080	11640343		2
2680859	1445171	3844473	2372850	3261974	3491677		14
837711.7	842578.2	535532.8	662187.1	560914.6	162610.1	[M+2Na]2+	81
643075.9	0	608205.9	510099.9	505451.3	370175.1	[M+H]+ 19:	8
2149303	2303809	1598442	2226167	1357704	0		1
1788915	1209149	1966079	2618972	1558906	2193511	[M+Na]+ 4:	33
4628930	1204716	1151055	4571470	1130684	2686194		2
678805.3	1020956	642839.1	369237.4	664530.5	158547.7		81
1032869	122010.3	1479513	923649.8	1675167	0	[1006][M+1]2+	9
9160620	4874528	6904107	7061772	6081459	2886290		4
2661027	1583704	1658145	2660222	692050.8	888422.4	[1209][M+1]+	57

2029378	2376107	2017069	1280169	2755896	5481429		9
2161981	3445107	3575410	2466398	4362197	1240454	[2M+H+Na	12
2629365	1045000	1341208	1105619	1233484	0		182
982660.9	2447143	3370561	851117.1	1047515	6990087		9
993752.4	920029.8	774471.8	639782.8	1067553	5714652	[M+Na+NH	8
1240413	626681.9	536327.1	456548.5	526333.1	213790.7		5
12427118	13198936	11079829	13903250	8293149	5042341		2
808320.8	1154105	778762	605356.3	658972.3	2070566	[M+Na+HC	81
960964	808595.7	1235156	956056.9	1008282	294820		4
6970010	6975703	6523190	6170668	5938749	4063263	[M+Na+NH	33
2318993	4215720	3206710	2769972	1734251	2138597	[M+3Na+K·	18
1604496	2587417	1510639	1114599	2094152	4405141		214
66422061	60943002	62667405	57645689	58702805	39255983	[133][M+1]+	4
5422416	4940534	4840185	3426456	4207447	2233577	[1239][M+2]2+	4
12381233	12010660	8610472	12697519	12159675	7919379	[1609][M+2]2+	2
5486255	9985037	6707227	8127979	6658821	6406589	[M+Na]+ 5'	15
1241391	1005741	996305.5	1262976	1039351	385104.8		4
4832294	5749893	1423065	1825461	3833588	2173120	[10][M+1]2+	3
470826.2	761339	10922416	530155.2	471887.4	421207.5	[M+H]+ 37'	41
9732477	4120621	9127088	4611492	10783267	719219.7		1
2952623	3154537	2861195	3704037	5016873	3303206		95
5688625	2987249	6519795	6848122	3559662	8211229		300
82449795	1.17E+08	1.17E+08	60744841	75338866	38452543	[3M+2Na+I	20
4063672	4613254	4316410	4110017	4317199	3862739		325
1178413	1057097	1092264	865666.6	2465121	1540575		1
1222520	1136234	1048954	772308.4	580384.1	7712515	[M+H+CF3O	38
27853812	28695911	6023169	4750433	31448762	17930259	[M+K]+ 14'	11
803223.6	482672.5	222307.2	555359.6	302725	347265.3		355
4467344	4541062	3413090	3866841	5683135	3802194	[M+H]+ 87'	13
752647.5	1687990	1930246	370317.2	746268.3	2429797		9
568435.7	1835905	1324204	446584	1148827	1897354		2
879808.4	965544.6	1030723	682536	978894.3	662654.9	[259][M+1]+	4
7770684	13008121	8559482	4639950	7751863	6802467		3
169942.5	334625.5	130167.2	45661.23	354498.8	224178		91
82606374	78116133	78129803	75736263	75140139	50656611	[99][M]+	4

7359853	5263016	6253963	7218207	6952372	1298289		2
8323011	5994994	13670696	1.04E+08	10237269	7153531		151
38536333	28942818	72462302	84845605	53690844	23750223	[900][M]+	115
4688078	6372238	5194628	3730925	4554482	5423300		257
2756508	9242781	8743128	3154663	7248084	4674841	[345][M]3+	20
913916.1	624773.9	258383.8	733116.8	740774.9	930531.3		9
903952.1	1994622	3410246	728606.5	1213040	1327855	[3M+2Na]2	46
1884643	1187352	1257152	4084467	2205402	1399668	[1527][M]+	463
176836.8	346542.9	182457.7	248472	220467.9	70866.39	[262][M+1]+	24
4449346	1661031	4453793	2545737	2264701	0		1
885234.3	403553.4	568963.6	496306.1	822119.8	143850.6		51
1380193	8875615	90299490	1854628	1584307	1296510	[M+H+NH3	20
6243493	3515853	5538200	5600443	9917533	12679139	[427][M+2]2+	2
20436161	18537283	25532182	20347113	15839158	14547458		145
1321636	429054.7	2150100	1795193	1485992	1673507		5
2036428	3491687	2894492	3674401	2649722	2201035		2
41403.97	287083.6	107522.5	36288.98	252145.6	100749.8		24
1746561	2245052	1822054	1128903	1792509	16097543		9
2987616	8917697	8846532	33817733	2190659	2849639	[M+2H-H2O	41
546144.2	1171492	1276018	480982.1	455786	2348415		9
2569986	4388720	5152738	1691743	4710824	2343974		1
1308894	1717736	1496408	1004861	939003	393066.3		4
3116169	2871873	2894119	2991850	4558666	11787154		1
1533170	655954.9	1267824	344307.2	1605306	1754767	[3M+2Na+I	6
1344069	1339691	1270012	1068646	1143963	887228.3		25
6885263	757698.4	2331128	6703547	4690491	3789153	[729][M]3+	1
459578.9	1294304	2298541	839190.2	403203.3	803103.7		9
368416	437360.5	382368.7	642512.9	353157.3	420401.9	[497][M+1]2+	16
7717616	4731237	12899889	8913111	11239380	2248445		1
362562.7	291603.2	416688	322890.1	265602.2	204354.7	[948][M+1]+	299
4089453	3991072	3741862	4415162	3599133	3109715		202
2053424	2284424	2521756	1924176	1548536	672532.6	[1417][M]2+	57
6823395	4793684	5115787	3603727	3532741	461148.1		286
733726.1	982158.9	932241.2	492156.4	689671.1	486975.4		4
3200649	3043046	2706784	2573979	1691208	42609354		2

25822633	20939348	29597648	37803914	19515487	21395287		2
1.77E+08	1.55E+08	1.3E+08	1.44E+08	1.4E+08	68435345	[327][M]+	75
1228165	758337.3	850638.5	745610.1	1298079	2829967		4
58979031	1.01E+08	69333137	50733813	58453128	72688017	[M+H]+ 430	15
3947504	3681835	4088127	3202738	3399820	1731385		4
41293307	46572098	34968147	41256475	42745759	24809313	[1217][M]+	2
8997788	8596657	8687526	8585679	5699270	8328184		335
63393221	1.1E+08	81065922	58822154	64675126	85683277		15
386959.2	405915.8	200512.8	408457.4	305255.8	204701.9		394
13987692	13132292	12941806	9080636	10688817	5609668	[1256][M]2+	4
1145198	1707926	1485782	1144580	633642.6	2646600		9
1275778	2775688	1393680	1930768	1128402	3068224		2
18307431	6908680	1750041	18679644	26839214	5876145		1
1166477	0	278682.4	986206.1	550069.6	0		9
2123236	1871637	1821638	1560082	1547067	765610.7		4
232165.8	168592.8	260995.1	194218.3	273645	218272.8		124
5545952	4764334	5456136	5840787	5471609	6084297		180
531354	956745.3	1424255	1869910	552990.4	1575060		9
3002925	3349976	2871137	2227147	2825864	29937835	[1351][M+1]+	2
18312510	28212966	14816568	14787929	37193974	88188568		2
5172168	596681.5	4840434	5358353	4845179	1472347		2
339342.5	582128.6	1103982	3404827	455229	260600.1	[M+2H]2+!	12
1270928	504001.4	1121795	175885.8	900286.3	1263986	[3M+2K]2+	12
3209003	3891772	4388390	2266688	2100096	11811652	[2M+Na+2H]	46
1879176	22972511	29863965	2626911	3799884	44976192		2
554663.5	404210.8	581348.6	628636.2	448930	259370.5	[1042][M]≡ [2M+3H]3+	16
154911.8	594513.1	4061238	104319.7	664415.8	1665129		15
2338759	3681538	2708851	2111119	2791477	5972801		227
106077	869283.5	540137.8	132673.1	586347.1	439291.4	[3M+2K]2+	46
2210959	2161491	2465116	2433083	1198443	2709145		483
4515351	4411725	5361895	3153561	3917213	1339066	[1010][M]+ [M+H]+ 550	16
392428.4	677103.7	2597312	1619724	529975.5	1109573	[M+Na]+ 300	8
1334867	1726120	1329672	1282807	1047363	488914		2
1428942	215719.3	651436.2	1515961	826283.2	0		9
3573044	1896543	3592291	3342860	3451533	520935.9		2

603396.7	754943	615580.6	5421033	478226.5	240337.7	[3M+H] <sup>+</sup> 1:	38
3685072	16340927	1.54E+08	3325069	2556226	6869952	[M+Na+NH	20
984234.6	0	1657662	850451.2	618587.6	0		9
11018084	5704510	5238533	11045440	7913568	2665004	[M+H-CH3]	14
8759895	7759297	7044463	7494953	6248485	4525381		2
3710023	3456374	2944109	3500117	2707804	2043355		169
2086588	0	1633106	1571878	779005.9	608534.3	[1001][M] <sup>2+</sup>	38
1803071	2864478	1975437	977807.6	2135292	4431689		2
7887207	8652768	7829980	6304405	5387338	4749511		4
3571768	2679553	2123430	2329970	1496388	5226408		172
2617492	3360343	5517248	2109211	2295958	4381484		9
754426.2	994553.4	792012.1	598805.5	786094.9	1334529		4
3411588	5315564	5434674	3079714	3664463	1454011	[M+H+CF3(	13
1446618	812278.2	759503.7	835079.6	1104566	1752990		155
0	1311990	887688.3	0	205971.8	1474436		1
77883833	94633596	76744331	69738662	85569965	72954862	[M+H-COCl	13
828905.5	595993.3	1918801	2277705	1927241	9339813	[535][M+1] <sup>3+</sup>	2
4334762	4046981	3205305	5783878	6218194	249332.4		1
2076807	777185.8	1169549	1812375	401808.2	82803.18	[M+H] <sup>+</sup> 87(	81
1272899	5936631	3745137	1047421	2271672	2467021	[683][M] <sup>2+</sup> [M+H+Na] <sup>2+</sup>	20
1589055	330940.6	628461.7	646928.2	1089712	152722.7	[1230][M+1] <sup>2+</sup>	150
28298547	31119063	30116512	19903285	23298670	15277724		4
257814.4	59976.97	189486.9	137364.8	233601.1	105408.8	[991][M+1] <sup>2+</sup>	220
5237051	9260779	4962635	4307538	7694284	25194654	[1212][M+2] <sup>2+</sup>	2
8612817	9152321	9104714	6074347	6954869	4561039		4
6887242	3253987	2770290	2615412	3331773	2821866		410
619548.3	767720	304085.1	491789.1	483700.4	960672	[M+K] <sup>+</sup> 72(	38
1099490	2377854	1933023	2034655	1902718	327968.2		2
329512.7	873938.7	208417	69797.69	548544.6	2474046		9
1200169	543534.6	1182526	905313.5	944194.2	5963990		271
3569236	4332055	2863731	2418250	3779594	2649199	[356][M+4] <sup>3+</sup>	2
1309177	1059555	1482398	1052896	935099.1	311936.9		9
345379.3	1708196	706446.9	7801308	1070056	1192973		65
2386534	3112790	3370837	1787446	2535356	698228	[344][M+2] <sup>3+</sup>	9
4021788	3155179	3072567	3442014	2736752	1691425	[3M+2Na+]	93

408759.2	330968	396583.1	372145.2	221055.4	183129.7	[1042][M+1]3+	16
266684.6	272812.9	316531.3	14939525	74408.97	47386.88		224
4233384	1605118	3841884	3671356	4209164	11956297		2
5944368	2294536	1481567	2118553	5640659	2573771	[3M+2H]2+	15
2953478	752697.3	314539.4	1054406	2500167	5096002	[M+Na+Na	11
1770281	1743338	0	1245359	2425524	1033504		1
1255653	3152975	1988788	989923	1748799	3942416		9
5639133	7636350	6219601	5040551	6314359	4591063		9
15080601	24031779	13854042	11718302	29612848	77468853		2
6482403	6060653	8275635	8749393	3873352	14534869		168
1231404	685496.4	486686.5	703692.3	579789.4	101975.5		4
5216468	3904844	4228336	4992453	3800936	1782938		2
6874320	2726743	7418839	6094862	2490399	22670916		2
793992.3	486814.7	898400.8	979563.4	466073.2	293630.8		477
3963151	3844861	4122696	3266777	3370774	1843641		4
2312977	4779477	2464473	1639738	3865763	5964680		2
123596.2	1875676	1199559	512866.6	1435019	4166721		4
1980876	1287292	1296631	1531786	1046338	1619196	[M+H+NH3	38
12503460	12970194	11036307	12421284	10101295	1632101	[1321][M]+	2
2189242	2651530	3104780	896973.9	2446059	3757082		2
3543796	4807504	5154047	2093828	3761439	3.59E+08	[M+Na]+ 30	6
17601677	15741254	16099584	11731568	13735795	4344356	[1149][M]+	4
330688.8	1139261	651111.9	275362.1	707099.7	2987213		4
394500.8	478791.3	425807.5	81881.3	370543	265914.7	[251][M+1]3+	24
3232697	3651618	4623608	3886894	3388576	1822624		213
1883929	4258493	3619663	1530422	2090738	1814774		13
5247990	5466312	4551972	3705574	4343413	2259659		4
271023.7	320723.6	167753.3	243547.6	262039.2	100306.9	[838][M+1]+	294
2324285	1748748	2153816	1965300	1344088	350496.6		2
4022467	3397182	2661413	3095346	2960285	365432.8		9
918182.9	1462049	1499277	512462.6	1006438	484733.8		4
3443447	7774658	3520211	5523237	2789630	3430126		341
6349276	6517868	6121890	1152887	347702.7	843604.4	[M+H]+ 40	5
7854507	6857297	6282267	5050855	6208152	2329972		4
4014410	3742740	3584932	3001701	4571492	5318045	[338][M+1]3+	2

2242757	2850737	2826959	1785878	2120717	904582.8		9
10338367	6585986	8401029	9292537	8385876	961391.7		2
7598928	21650816	10477407	7657644	23927909	65955928		2
2662860	2928021	1892926	1088610	2160624	976845.2	[M+2H] <sup>2+</sup>	18
1192866	1002772	1229582	938901	901944.1	0		9
4234760	4014952	3957298	2190684	3290754	1636594		4
11704604	8011491	12763622	7731460	7642019	1352877		1
3334355	553502.6	1155929	3028849	2501305	810852.5		9
3325029	2464686	4229119	1248113	806036.9	2944211	[654][M+1] <sup>+</sup>	4
6774612	8571692	5731993	7623320	6897642	2595971	[352][M+5] <sup>3+</sup>	2
925544.7	3692660	17871927	3415341	3784993	876294.8	[M+H] <sup>+</sup> 59	81
12194654	26391511	10036362	12275630	14530329	51643901		13
3715467	3415018	327190.5	4038392	3983461	74792026		52
790614.8	738004.7	595848.1	479524.5	659482.9	3743419		46
794741	1090307	827436.5	346448.6	830352.9	832675.2	[1517][M+1] <sup>+</sup>	4
8822117	11286607	10799726	6368392	11597229	6354509		1
1564512	1497614	1309665	524644.3	1482280	112637.4	[3M+H+Na]	46
2597519	804508.2	2195190	951966.9	297987.2	38534.46	[1603][M] <sup>+</sup>	115
1467073	2204939	2828618	655646.5	1446775	40241185		9
86021.21	82018.17	468558.1	486629.7	423833.8	344247.6		24
1628715	2798319	17161.09	30480823	43715763	84449649	[M+H] <sup>+</sup> 19	11
71072432	70574891	67847812	60904983	60078404	42803911	[802][M] <sup>+</sup> [M+H] <sup>+</sup> 45	57
1071585	0	1574530	1061536	1329348	0	[M+Na+CF <sub>3</sub> ]	13
2987840	1843778	2503852	2244733	3024235	8385071	[3M+2Na] <sup>2</sup>	97
678350.1	792778.9	940766.2	976299.4	233807.6	1017959		57
2.01E+08	4.77E+08	661795.4	545479.7	2.11E+08	529905.4		18
940620.4	2396883	1374417	650308	1931151	9728731		9
1199119	1559272	1196836	705298.2	972889.5	439482.8		9
7813570	9112335	8274310	7019599	7572492	5970226	[1113][M+1] <sup>+</sup>	35
5384497	5308177	4498561	3994620	3986454	2988005	[897][M] <sup>+</sup>	227
3551395	0	3893385	3964747	2291732	0		9
2106282	2664237	1677563	1290448	2021827	3523216		4
3308562	2106731	1978010	14634182	4626925	4456857		2
453556.3	892908	1079304	452140.8	494314.8	4267336	[734][M] <sup>2+</sup>	9
725835.7	582739.4	696140.1	351890.2	528746.4	503775.3	[M+Na] <sup>+</sup> 5	23



15247590	10225914	11016196	13752183	14996632	8680915	[352][M+4]3+	2
4040258	3421301	3658680	3635186	3265953	1750605	[1325][M]+ [M+H]+ 70	16
419502.8	914075.2	887263	13289484	259207.2	4956047	[218][M+1]+	100
327114.7	1682003	1673283	157285.3	485387.9	305360.6		46
2309064	2156576	1674886	1732137	3031017	8314801		52
786249.7	1043079	3934929	1499266	1137874	2372069		9
415065.1	729971.4	556657.9	279318.6	193340.7	265731.8		4
546495.7	738357.1	5386044	3747976	712969.3	5318555		9
3056402	1526480	2688957	807861.3	1457162	1251756		1
1493004	705268.5	914067.9	1007513	828296	474673.1		170
213221.8	1064524	261307.6	353539.9	110282.3	233491.5	[M+H]+ 35	56
32797631	19951537	24598524	33310599	17898758	1979862		2
1918167	2207820	1906642	1377401	1613876	1168162		4
860276.4	732039	786205.6	605933.5	1335156	6171483		4
3407670	1943502	4460776	4155990	4483129	4108421		377
4898448	5107240	5246067	5281274	5582476	5299406		365
186646.4	461765.2	534291.8	328438.5	144372.1	352996.2		4
580284.1	491608.9	431305.5	234023	341992.4	291107.6	[638][M+1]+	16
12573784	15590968	6963214	12458825	12017418	24588518		3
8014160	2640618	3068733	5075069	5273465	2112793	[468][M+1]2+	1
17068234	13928475	14951825	16611632	11797610	1327900		2
7524824	2127411	3677394	3392786	1684914	7776783		1
1020489	868493	767733.5	502483.1	273072.5	86520.94	[670][M+1]3+	77
1597902	2051754	73157.91	1481007	1459929	35191398	[M+H-C4H8]	21
1333197	3431218	1631731	2256770	2180660	1858442	[M+Na]+ 7	16
3515138	2465382	2897516	2988495	2931253	737029.8		4
1601122	0	577843.3	1298358	1120838	0		9
1228633	1383937	1222235	1374127	981169.6	770846	[M+K]+ 79	16
3615397	3131372	3755578	3139058	2643518	1307071		2
1264409	3712449	3803382	1377628	2395757	3120644	[434][M]2+	9
11652784	12958313	12129460	9152847	11266138	6102003	[243][M]3+	9
693580.8	1381298	1294495	419790.7	1027317	4863570		9
745842.3	1680654	994031.4	632640.4	1018233	595550.2	[M+H-C6H12]	81
4272816	3603298	3072732	4826081	4635809	152882.8		1
11301046	10715091	11649510	9652657	10165745	2958713		9

1614006	2539893	1751904	5634570	5374802	1305353		4
9908179	15421780	11765634	23536911	12029755	4254740		1
3154247	1666129	2430786	3097054	2768445	2611503		2
1531363	1356412	1382069	1646597	934022	961181.1	[1306][M+1]2+	134
9093353	346227.9	7885586	6812421	8203864	6198417		34
768391.4	935339.3	1069596	844026.3	516268.1	532676.3	[1551][M]+	225
4323520	5884182	4073042	3051986	5466339	7757390		170
8556581	2917742	2799583	8448492	4739969	1472376		2
261584.9	1122856	1033935	150915.6	531906.9	2279713	[847][M+1]+	9
162686.5	115217.6	117816.7	189773.3	44619.23	132434.2	[85][M+1]2+	302
52704601	49039966	60395670	48535039	49211274	32587407	[1110][M+1]+	43
1169656	1449523	1274504	1255824	978672.2	1633818		89
666831.9	1093005	319858.5	586180.2	689147.9	6099060		9
951038.6	1573203	684711.8	503722.2	2022322	6407366	[3M+Na+2I	29
1306696	172748.2	1087513	1774500	216910.3	0		9
400050.3	1210106	0	0	632556.4	2714278		9
53621057	1326051	52133110	35690084	87118178	45305543		1
1804783	1874810	1486718	1720754	1426209	6182366		255
1241881	1488231	1126426	1738564	1056869	0		2
12119151	12462857	10153179	11740454	9836381	1791837	[1277][M]+	2
6865233	11187453	5853627	5681552	14697435	30697018	[1365][M+2]2+	2
4256649	3160606	534520.2	2241081	6193612	2225526		11
1442769	997621	3246158	1546930	2573103	1239245	[M+Na]+ 3'	18
848752.8	730300.5	607861.1	674635.4	786993.2	468327.8	[M+Na]+ 5'	12
2311251	4863301	3554621	1781049	6357154	12328375		9
10519219	5684110	40768640	5049808	4168197	11181390	[M+Na]+ 3I	14
1255084	830025.2	1227808	1134168	482443.4	970055	[M+K]+ 43'	6
6147145	4702836	4756094	4036784	5490641	3956752		389
1.47E+08	1.78E+08	1.67E+08	1.25E+08	2.09E+08	2.5E+08	[795][M]+	26
95406.52	738267	389576.6	88919.3	162662.5	401323.2	[M+H]+ 60I	39
4854698	8607927	30087260	3494106	6651146	6000827	[M+Na]+ 5I	46
818537.1	433388.7	1100922	388878.2	485949.4	625166.8		9
285738.7	689242.4	288406.4	65474.87	211306.9	329329	[3M+2Na]2	39
5794336	3447394	6227088	2577758	4119425	3685807		192
324640.8	506989.9	474841.3	372870.9	349902.9	31671.89		64

2538280	3337841	3106738	1941610	2807043	1180400		9
1898976	2461088	1445323	1838154	4573159	458347.4		1
13314561	8734014	10423944	13392562	11084942	3469254		2
897371.9	1496774	1358771	400326.7	457101.5	3536733		81
567500	0	427881.3	636635.4	708318.9	1300583		9
734387.5	712335.2	1091651	1890627	713793.8	309814.4	[M+H-HCO	72
6288269	2399756	6426555	5976156	2294779	4265751		2
783254.4	733186	469649	432439.8	597140.9	206507.7		4
3857843	3970920	23865858	3637020	3313386	2092891		38
333440.1	160926.7	443078	399793.4	267702.8	120136.8	[164][M+1]+	48
442282.3	126749.5	0	564818.4	113934.9	681164.6	[M+Na]+ 8	81
4697640	5068207	3292111	4181035	4540314	5083378		402
5403706	4471464	4450547	1128404	1879617	4112952		1
1024568	934312.1	5329085	423551.9	603497.1	853323.8	[M+Na]+ 3	136
1275137	860083	1763990	1303919	583177.1	39790681		2
3123169	2175406	2512724	2651304	2491562	599026.3		4
1832160	2304737	2561289	15070945	2452904	6117086		1
262949.4	223164.5	724226.1	3453894	178300.5	131934.8	[1141][M+2]+	138
1840205	1912069	1112932	1072166	3393815	8556372		2
1750012	0	1949649	1834323	3059611	3811643		13
1.42E+08	1.32E+08	1.61E+08	1.31E+08	1.33E+08	91821180	[1110][M]+ [M+H]+ 61	43
631560.3	2218339	1820477	620423	1429374	819012.5	[3M+Na+K]	46
1604903	66198467	1075427	1256908	910310.6	849011.4		156
3954533	5941056	2792029	3914643	5962336	8813917	[1347][M+1]+	2
1.65E+08	1.8E+08	2.27E+08	1.58E+08	1.88E+08	2.11E+08	[1145][M]+ [M+Na]+ 6	23
260863.8	185355	445124.3	122681.6	138867.9	317583.9		243
1233686	2247698	1083637	1295760	714492.6	3394907		9
2904653	5842409	1656159	4669529	7911658	4571648		1
703902.5	208658	423480.1	536951.8	485174.4	262136.5		465
7244579	21972694	7092661	14583080	16024255	33186262		2
2901233	1267513	2309952	2997378	2233261	827911.4		93
664698.4	805863	523235.3	407660.1	576606.9	573646.9	[1419][M+2]+	232
1325882	3726365	1271817	495761.7	3398117	7356262		5
3205670	2726757	2641259	2355729	2577216	1310382	[1329][M]2+	4
1.27E+08	3.14E+08	1.36E+08	1.81E+08	3.44E+08	8.2E+08	[1250][M]+	2

3815206	661626.7	2106184	3546736	621674.1	1811700		1
257382	622141.2	216981.8	260651.9	228364.6	220043.6		217
1373985	4685403	3931357	233115.9	3086367	27069930	[M+Na]+ 51	3
12527791	11026983	11641563	8007141	10264530	6315079	[943][M]+ [M+H]+ 51	110
7553484	9242175	7395266	6350464	8599931	6381460		9
24633920	17727947	23823254	27306516	25119030	2106658		9
7590894	10292612	4628573	7058307	12207026	14319376	[356][M]3+	2
1329802	1030375	493136.2	1080802	999381.2	759090.1		9
10949336	9380824	9269573	10264158	8994500	2364970		2
1292529	1039839	1193993	1136300	987295	1298277	[M+Na]+ 6	29
306811	1596609	1091940	809778.3	1257073	793361.4		9
213272.7	587000.4	346515.6	65918.38	573617.6	2447006		4
3369925	3171455	2960626	2655373	3266868	1573518		4
603781.5	499263.6	427840.6	210631.6	249294.3	310849.9	[M+H-CH2]	5
7070062	14029546	13208772	6995072	8843692	5658173	[803][M+3]+	1
852540.5	829698.1	983060.8	768376.6	1027730	1048103		4
9922693	12217378	11013596	8989611	10776659	7307123		9
366284.3	252119.7	413478.1	1669281	295313.5	58156.58	[307][M+1]2+	302
9783161	9464201	10377276	12089065	8811665	8323480		214
724623.5	1390844	1195395	1040645	2607065	2021770		2
672971.1	3319476	1112115	947382.4	1965200	2255410	[M+K]+ 47	3
1031865	364730.8	851609.4	846702.8	877827.4	6147133		9
406134.4	1396987	2313834	900520.3	594287.4	1101508	[1501][M+1]+	39
514380.5	1673793	1175715	395415.1	908259.8	2912614	[M+K]+ 13	8
169671.2	1001015	516749	437759.9	318040.2	768293.8		4
1279169	4703462	3524490	957730	2119830	9701688		9
4103503	1437691	3520136	3551212	1644715	0		2
27089005	22303628	26748576	19719167	22951522	5372062		33
613583.6	190168.4	5416216	6678415	1517327	3154428		13
818796.1	833701	796345.5	1072143	682633	945964.9	[M+H+NH3	159
12064079	25002380	217834.5	10372086	29046260	38239293		2
23279.49	195610.3	58288.48	32400.87	27581.23	10834.61		67
2554481	3210360	1683403	2521881	3059119	2147307		14
2471021	5648805	3957337	1445093	2348338	7039551		9
15728115	10384908	6754518	13827607	8862838	3149583		2

5645481	11186321	1033615	2476639	9374199	55054172	[3M+H+Na	11
754956.1	2668202	2058988	683104.6	2255137	7438375	[736][M+1]+	8
441388.6	651981.7	838522.6	523757.7	554905.4	788419.1		4
14177981	13856987	15307311	70940952	13357994	9564247	[M+2H]2+	43
3617382	2163217	4412458	4018839	2042085	2699451	[M+K]+ 316	371
923064.6	1398719	33608941	496582.2	1656651	605298.9	[M+K]+ 149	84
717375.7	204418.2	460237	456423.9	550734.9	31381.19		133
8519845	5491992	6895349	5744065	5867726	5892847	[45][M+2]2+	2
3844682	10547419	10753183	4174615	6269793	11461373		9
2248500	3071605	2468531	1718705	2513043	1390012		9
6115172	6480047	5474320	5729434	5956843	2994726		2
6422548	5844444	2091371	4679951	4448178	1009962		1
2017571	1910886	2070117	1991429	1833866	1358227	[273][M]+	166
4259059	2165647	2018353	2432826	3039608	290585	[M+K]+ 498	15
6397745	8780789	7998996	4766619	6912779	3380548	[810][M]2+	9
1368493	70399.4	844116.8	1086925	972715.8	0	[953][M]3+	9
569837.8	670927.1	532805.3	239494.6	239338	220211.3	[M+Na]+ 4:	25
4520094	4369520	4654121	4449242	4369794	4261020		436
1343265	7813158	3763041	736142.3	6479182	13480074		1
48059045	42793211	38487455	41507311	51398512	42477522		2
16344109	16200351	2308135	14641783	16041521	15389393	[M+K]+ 510	3
1029867	1816254	1832399	2101490	3414698	2667204		1
7345635	22027336	3154955	10761599	6513512	4463226		3
2516932	2671927	2540924	2000227	1860485	1188940		4
1318373	1733772	1381951	1175244	1128295	14399447	[407][M+1]3+	2
3325290	4379734	7534423	2134356	5091334	3058902		293
2933817	3919996	3039498	2171559	3499630	2715336	[109][M+1]3+	9
3485130	5166524	2491687	2764994	4957141	2634474	[3M+H+K]2	15
22989705	24224219	33603881	17018505	18810216	16570518		147
11673501	10026876	8353932	10246944	7000856	8288473		113
789522.5	1427276	1132116	477374.1	803804	538299		13
727501.5	1509808	1269144	1129399	640318.3	985786.9		9
1582460	1060714	713885.9	1312055	1140411	0		9
3155510	2860590	2894320	1.34E+08	1408253	132102.5	[M+Na]+ 3:	86
34902487	34052648	27777677	34575914	29304272	19426273		2

2138489	134292.1	1845455	2098804	1754023	11959163		2
491868.7	985851.5	570649.3	317945.4	770093.9	904685.1		8
6493948	6847946	4166050	3176309	4633596	3764753	[M+K]+ 278	18
18105068	27316005	19307346	22244309	17116498	18472892	[909][M]+ [M+Na]+ 4	147
3864605	3721021	2929314	3352584	2927131	3148196		266
19541584	11103661	22093026	21787254	8696278	11416846		239
3804180	4195698	3577547	3762931	5226692	3355197		252
18043704	17256796	18323235	23194947	13372894	4886516		1
7577036	7000746	5367741	6504179	5458414	5297692	[193][M]+	56
13694262	4968219	5728106	13198615	9028870	555026.8		2
2644538	1036037	603288.9	1327853	3969221	517507.4	[1422][M]+	367
3125905	729746.2	882769.4	2309769	2642569	1690122		46
1616118	2026426	1860542	1696136	1856238	0	[M+H]+ 150	13
5331361	5083419	6238569	4778859	4541126	4728974		209
2200437	2190252	2119033	1426838	1900390	778048.9		4
847513.7	2086451	903699.4	674866.7	1469644	4407487		4
13869009	40948135	30948630	26164950	24970144	4745676		3
424361.7	277624.6	354424	270723.6	267682.1	43066.78	[1498][M+2]+	16
549184.5	823653.5	616871	371927.3	705675.2	595908.8		4
8913357	7931400	31184811	12288601	6398799	3910801	[938][M]+	66
3043022	1246397	3785401	3367598	1497620	2515651		9
3284307	3916462	3325674	1621063	3159780	1691110	[M+H]+ 560	58
1982100	2340378	1368028	2549296	1623662	21319173	[1410][M]2 [3M+2Na]2	33
1034233	1358074	1324047	573597.4	1043595	0	[M+H]+ 530	12
674148.3	951582.2	5537099	669525.2	766439.6	376553.6	[242][M+2]2+	9
2727417	3430764	4308010	1599813	3197849	5274280		9
613905.2	476646	371818.9	289077.2	278410.3	12382.3		476
472676.8	611419.1	457080.3	343697.7	526652.6	811321.8		89
13015198	15205005	7212717	11485201	11341379	23739037		11
2087331	2916784	3104164	993645.8	7110151	15087457		2
512556.7	658628.4	628826.9	418566.8	445082.4	488036.1	[1601][M+1]+	33
2582855	2956715	2610424	2342323	2729002	5911426		484
2786011	3738600	2454190	2100389	3282794	2925291	[467][M+1]+	2
10265673	12892364	11564110	11201122	8814286	6197361	[531][M]2+	20
1459529	1878973	1167867	1159972	1638097	774875.3		9

542925.5	1167333	535929.8	446006.4	350345.3	670778.6		5
1535488	1369255	4631573	550516.9	752565.3	1901338		9
221736.9	123685.4	148733.5	238212.9	119705.9	188966.9	[1596][M+1]+	154
2350545	7086270	4703323	686587.3	11256083	13272489	[39][M+2]2+	1
2110848	2125165	103685.5	775100.9	4067737	13557129	[M+K+CF3C	21
4165116	4844270	4440862	3307948	3403725	1707527	[1528][M]2+	9
5546077	5117127	6086737	4511708	9076808	5002317		241
1449473	1703613	1774741	775493.9	1557084	1020082	[591][M]+ [M+Na]+ 3!	23
196132.5	174198.4	210974.6	189245.9	432187.8	288860.4		17
1.91E+08	1.57E+08	1.61E+08	39260512	1.35E+08	96436778		120
752663.3	484597.3	446737.1	423676.5	211340	414287.3		4
536714.1	1077585	393758.8	341250.1	459598	1461359		91
6823574	4963692	8086349	762676.3	5717805	936278.4	[M+Na+NH	14
630992.7	513655	1000595	594702	341469.7	365830.1		4
4004462	4961246	4297640	3109808	4045558	2992787		4
3056638	1522925	1261843	2238383	3335136	482618.9		2
2970072	3678992	2410351	1551879	3051349	3236818		9
6328537	7365124	5886455	3310240	8256147	7987072		2
160587.3	675120.3	2026389	86057.3	172397.5	308903.9		20
2098162	2255355	1667091	2221111	3019996	243851.3	[3M+Na+K·	14
1309958	1737840	1358384	1040300	1352819	272189.7		9
1192690	1571451	1134144	981503.2	585231.1	1392622	[989][M+2]+	116
11368537	10664434	7957342	7851447	8339474	6507785	[634][M+2]+	31
8089196	8071252	8640127	6597823	7088779	3533561		4
2767414	1356409	2653642	3074979	1372449	1432096		141
1050009	833493.2	1049913	679467.2	918106.2	0		9
3489793	3071963	2945625	2509780	2887004	59855893	[1159][M+1]+	2
17976645	4783099	1356964	14185895	17256543	34725291	[M+H]+ 39·	11
1680576	3122000	1677966	1739258	2338061	22755895		2
553948.5	801184.1	419729.3	193019.2	764354.6	734294.3		134
1793920	2294861	1887727	1431313	1839368	5309207	[180][M+1]3+	9
4413661	2051410	1453335	2722927	4061922	6766747	[M+K]+ 48{	81
168173	2254324	370440	0	1933108	2198511		2
5517324	7131335	6053080	5598839	6163495	14337564		9
12093527	13303779	9802418	12910702	17756324	18529037		2

4053197	3592549	4636100	3744716	3528418	3791502		455
2096684	2284818	2141257	1675983	1792159	259197.2		9
5217961	6496448	4997014	4112296	6607641	4801502	[304][M]2+	9
424993.8	722151.2	326240.9	193256.2	825280.8	1075560		9
2137558	3369288	1521191	1737824	5949264	12144737		2
15218342	11552402	13818945	38468862	7392129	12706939	[138][M]+	173
1729652	1075999	1039458	2500988	979502.9	1626441		9
820823.6	1513956	17386688	675048.2	1421896	388598.6	[488][M+1]3+	9
1345147	26890222	486958.1	46552055	61337295	46474234	[M+K]+ 30(	6
1045018	1570711	1513001	698411.7	1640138	1102181		2
11422941	8753152	10019289	10376873	8051731	1972600	[355][M+4]+	2
13815020	10512324	11755559	12589873	10523357	33635225		2
4164343	3156357	3320462	3347207	3253827	4555580		326
11901547	8572448	3337564	6080609	12915674	3167758	[M+2H-H2(	3
14950347	6550618	6420813	6667631	7283891	3938969		196
2876331	2701677	2499666	1624892	2204735	1452772		4
0	1526036	120201.7	120502.7	1047001	0		1
2313028	0	388439.5	2206951	1270921	248732.3		2
9011176	12238865	8135705	8492236	14606354	21047976		2
313942.5	325355	129024.1	843923.8	264829.9	520023		159
640210.2	829354.3	645848.4	430582.9	669030.2	348527.4		9
2034354	3308279	2920368	1554892	1992552	11738680		2
2432325	2129478	1804807	1782639	2459253	1064601	[1375][M]2+	4
3176085	2358770	6207120	27561905	2892237	1412374	[M+H]+ 18'	18
4854944	4183151	4299094	4377533	3842555	205694.1		9
457731.6	1040385	1370713	527236.2	483821.6	582199.5	[3M+H+K]2	8
1453215	4286509	4112325	1087372	2007663	6256908		9
3454215	3805138	2910863	3916726	4151627	1125121		2
459424.5	580754.5	441889.8	485344.1	461176.3	506487.5	[M+Na]+ 4'	73
1288927	1604986	405227.2	7758960	333554	2431440	[M+H]+ 38'	5
7351539	1906131	1973575	5374347	3300897	11536908		1
1796005	1830602	1814281	1408553	1490555	481314.2	[1235][M+1]+	134
21217791	15685710	11708141	7363809	17832446	9134016	[M+K+HCO	15
210114.4	225417.2	219668.2	371283.6	266243.9	667379.8	[2M+Na]+ '	83
1620448	2670047	2837124	2131679	1410028	3192491		2



3264363	2788495	2455603	2459157	2051027	2230436		97
2787571	2440112	2107583	3066964	2674797	145933.8		9
2551767	2004535	1795035	1858644	1634012	1621035		2
195464.7	597761.7	566454	131865.4	774841.8	2730809	[M+Na]+ 9'	5
4322946	2501594	5642894	6342956	2961840	1369249		2
524186.6	1164148	1074534	2104171	1744712	2754597		9
95875971	71360161	79418091	89585781	73172013	33070664		2
2841373	2270730	1234853	2207536	2441268	208794		9
2016915	833804.6	1995427	1628119	254466.5	241861.1		91
421583.3	1225103	395148.6	331989.9	685363.1	3290013		9
1590587	2065256	1329065	1480917	1599837	1294413	[1387][M+1]2+	62
2442432	1003960	3554507	4515861	2291894	6385615	[1246][M]+	130
1.24E+08	11079058	4154193	2367698	6208421	17773351		2
3842872	4580055	4309441	2907232	2831662	3129466	[M+Na]+ 4:	5
1119283	692304.4	634002.9	856547.9	1110332	234700.4		91
998834.4	805135.3	1270185	915968	778984.6	617295.2	[1497][M+1]+	203
2909284	2609895	3868273	2510346	2659028	1213062		169
813192.7	1297658	1285282	1035728	3155120	9733403	[M+3H-CO:	29
5697928	6057563	5670485	4499385	5966992	2615869		9
1281415	1292237	627434.7	251371.8	998518.1	765096.9		4
3160206	2972758	2338045	1564510	2243812	42275774	[351][M+4]3+	2
427927.1	220075	632842.1	266888.2	240404.7	141768		71
1221497	3695649	1686339	621298.2	2689827	14127309		9
45369079	64327313	40748825	34518604	81114012	1.89E+08	[451][M]2+	2
1164885	908412.6	1128307	918571.9	827277.6	1531341		9
457828.2	501431.1	674250.7	764309.4	1864738	870209.2		299
34661395	24231850	37001417	22152709	23383831	4951406	[1294][M]+	1
0	385643.2	52114.02	29826.71	546641	317369.1		39
1953192	1915574	2042149	1777806	1961792	615389.7		4
0	539859.3	75856.43	122695.6	383146	63246.8	[M+K]+ 35(	81
33370240	19839464	27408403	32991102	19441803	3796542		2
971606	861016.4	842400.9	1008957	817435.8	154511.2		9
8703589	7534247	2435427	12968782	11456050	24865735		92
4176901	1388468	5061337	2969548	2887200	1449169		1
8318671	7686952	5556531	5017362	21599846	7772542	[M+H]+ 47:	226

9273356	6469215	7560721	5139371	7536088	12965465	[419][M]2+	2
3735795	3736292	4176706	3040577	3351505	611961.7		9
6470087	5415823	2402725	2827905	4422682	5965931		293
1508225	5253011	6085015	5823235	1112061	1801992	[M+H-C3H]	93
16809368	20601425	17283276	14872341	18380427	15221972		9
172186	95652.41	73711.36	634725.3	136637.6	95124.32		173
1.2E+08	95979199	1.16E+08	1.04E+08	61250713	41118319		2
6678503	10127501	6354701	5057887	12762905	31501236		2
901827.6	673007.4	716979.9	736003.9	589968.3	370643.9	[M+H]+ 63	351
256719.5	547668.6	418983.8	66710.32	757985.6	2696136		4
3580762	4018143	3849222	2504809	3340358	2812038	[647][M+1]+	110
2680666	3307805	5321112	3191913	3367565	2953808	[1506][M]+	228
369389.9	766505.3	208160.2	195688.4	433741.1	1297136		9
3.79E+08	4.71E+08	3.48E+08	2.67E+08	2.76E+08	2.8E+08		1
13659455	12364235	12995983	9158041	10181272	4829418	[1239][M]2+	4
10466728	7611417	10297086	10321747	9432819	6974791	[1040][M]+	278
4640704	5315937	5060585	3445133	4367733	2185809		9
5542990	9244167	4822084	3411582	6205850	12424872	[M+H+HCC	21
3703041	4114869	4435608	2162969	3320709	192885		9
5687676	2161647	44076390	1913663	4569460	1530601	[M+Na+Na	12
1.6E+08	1.32E+08	1.28E+08	1.64E+08	1.35E+08	56268618	[432][M]2+	2
2312293	1953949	1899324	1556990	1773790	789931.7		4
612523.4	709213.9	814668.2	648274.6	468265.1	119086.6		8
1634522	1919684	3349440	850719.4	1710679	11830543	[334][M+1]3+	1
343583.6	502397.1	348172.8	604503.7	518004.8	470869.4		396
28619970	38635306	44700602	1620137	22579303	18092869		15
711866.8	595292.6	1298667	182913.3	614068.9	882224	[M+H]+ 32	136
4983823	4133761	2844534	4520727	1901824	1229530		2
2394477	1971141	3140720	2229880	2210066	1293538	[1497][M]+	203
2264253	2036093	1949747	1487718	1722261	1145535		4
18348804	26878660	16077470	13629374	33077400	76886131		2
1914277	850021.7	3032566	2819946	2644902	206647		2
1823474	2360594	2667138	1573121	1483683	896889.3	[1371][M+1]3+	9
7091299	10487628	7041374	5552582	7241747	9914607	[3M+H+Na	3
4163188	3950695	4943901	3973962	4302017	5648756	[3M+Na+K]	264

1789898	1884389	1964211	1458805	1677949	882080.1	[881][M]+	160
2162564	2849658	2830787	1722798	2271634	764843.6		9
1616077	429888.1	956151.9	1216689	338573.6	456438		2
4102331	7458943	7689502	2659149	5418410	3050379	[258][M]2+	18
1702673	333426.8	793971.3	1192591	946822.6	642195.1	[130][M+3]+	4
1270953	1333276	653596	1547959	2318126	4238834		9
4335203	333803.2	389083.5	4379596	3687046	738515.7	[M+K]+ 18	13
194349.6	615590.2	626651.5	107295.3	0	234236.1	[M+H+CF3O]	46
607750.4	1266474	1519010	367218.7	579478.5	1592037		9
284760.2	426666.1	371197.9	387859.6	422762.9	279815	[1343][M+1]2+	39
15653312	4276576	7590117	8160505	10407294	5078000	[984][M]+	258
3625523	4886260	3633102	2137343	3643114	2129184		233
5646604	5268787	4983491	4226294	6772961	14059932		2
2405129	3450535	1829915	1352380	3185107	3874348	[M+Na]+ 1	29
5630824	8540894	5633615	6149812	7656056	8390472		2
13571008	14855480	21127066	4973414	6281684	10517813		18
560132	51664670	47798534	629017.8	50519394	1.2E+08		77
1414160	1082551	1642009	1912222	1543831	751886.7	[M+Na]+ 6	209
1340360	1785795	786330.5	937121	870172.3	1284830		1
11904147	6456357	8933754	11067804	8831608	572141.4		9
11584556	17752747	13216548	10104256	10977488	13129642		15
671014.5	1403542	730905.5	1886320	860358	5720309		9
1667594	2136508	843053	1067639	2020425	11801700		2
8682423	4796919	9327379	11493215	4729215	3114547	[1556][M]+	304
4651934	4576957	4527213	4813325	3238464	1252222		2
2019023	10918687	10386492	10733945	6878859	6158136		195
10861869	3372955	1.19E+09	9.49E+08	1.43E+09	1.08E+09		1
23072295	15430423	19851179	18151652	21888582	3521842		1
2530150	558520	1842161	410257.7	1407282	0	[1230][M]2+	150
5068383	6462299	6624931	4747202	4917498	3155236	[832][M+1]+	38
166920.7	140785.7	114348.9	137592.5	139102.1	14803.2		75
348314.7	0	475319	415584.1	657938.3	435210.6	[M+Na]+ 8	33
262668.4	218619.5	183287.3	242938.4	321448.7	134306.1		16
10358280	14988094	17890910	22393899	16444714	7278993		2
769808.1	691348.4	1063345	700895.2	362152.7	285973.6	[1538][M+1]+	169

877261.1	1057876	1914648	447025.4	1044466	218818.8	[1465][M]2+	4
5495138	3832452	6235299	3161973	3486435	631093.1		1
1412079	3078433	2091084	589700.7	2034832	7341178		9
6763180	12714495	56438322	8206750	6967938	5770353	[M+2H-CH <sub>4</sub>	18
430149	575092.2	589673.9	300656	303275.6	595264.1		4
1729896	5741419	872989.5	879553	1243857	26186844	[500][M+1]+	57
6271978	6105283	6624511	5181611	5309104	2738607		4
5593461	8207501	1509286	4307044	13240112	36035072	[380][M+2]2+	2
1198529	2435899	3484565	781727.1	992623.7	4881111		9
2875059	2459903	2696716	3100376	2539684	300946.4		2
6645881	9608636	8282443	10870209	7161099	6928725	[M+K+NaCl	15
4284826	1256825	3722449	4018172	1964132	334724.3	[169][M+1]3+	2
1919740	1777763	0	1620458	735430.9	526460.4		1
969893.7	4337616	1409637	1025169	722766.7	404016.1	[563][M]2+	282
627923	1256876	1237591	651934.3	519330.1	1323732		147
9640483	7275190	7518778	9024992	6410613	1189221		2
4563802	4328421	3160875	3936485	5257170	8210310	[1190][M+2]3+	2
2348286	1545272	2490014	2486834	1055136	929870.7		154
1898836	1754472	2387895	2565626	2540873	2447397		411
2087411	2559534	1237435	1470913	2428918	2219893		9
5755562	5147026	4903342	5535022	7486279	7111179		2
1199965	1497016	2413420	733449	1098333	3523908		9
8109496	8163492	8816086	6613409	7147156	3885837		4
3310715	2119911	3667702	1922822	2446667	0		1
472137.4	954268.7	12901813	574606.9	978790.2	720268.3	[773][M+1]+	9
5765646	5393041	4639660	3811176	4875954	3026918		4
22059334	31704971	17833869	17944098	36372627	85830094	[1368][M+2]2+	2
1763901	646877	1474744	782856.1	1350421	509557.2	[762][M+1]+	4
1231299	2012469	1330462	964061.9	3476151	4597086		2
1387643	944730.6	1197671	1027468	1146872	4795655		9
370485.9	1386419	256125.7	591081.7	1316751	7937490		9
661882.2	7418409	19992972	29956314	639544.1	2326222		9
2593494	3887806	2623913	2034879	4408357	13117368		29
2982166	516095.7	2947917	3070989	1271375	5046164	[44][M+1]+	2
4905240	2712879	2091100	4473485	3262526	2417846		2

1917420	1415101	1594002	1957533	1374267	508883	[1442][M+1]+	349
1734395	2273304	2089366	1251278	1575739	765356.9		9
2663506	3305146	1766114	2230846	2621356	3267499	[M+K]+ 38:	14
5291027	5469325	5915356	4596111	4901206	534889	[1372][M+2]2+	2
32715221	46912747	9871919	30122236	26658035	1.05E+08	[781][M]+	157
7191525	8299764	6382841	8493569	8584081	7389035	[M+K+HCO	226
1820056	1758380	1836167	1489245	1435780	771940.4	[1507][M]+	99
1788733	2191717	2190083	1714551	1450416	1584529	[1460][M+1]+	79
5447082	4030017	3890347	6468831	4287704	1919333		2
376974.6	19672464	19305337	10287961	18590460	266465	[M+K]+ 66:	57
3076518	5811341	1460902	1953485	5311306	29615306		2
5479629	3726759	6338194	2353521	3583573	903089.7		1
6537554	6516523	4104657	6529457	6950533	6708450		236
18011712	8991799	9315932	17002247	12133636	1911376	[2M+Na]+ :	14
2712501	2357880	2125645	92633.18	1388205	987678	[598][M]2+	20
803390.7	609042.1	795377	465459.6	803040.9	416825.3		9
45591047	64486428	39240179	34644454	81047668	1.88E+08		2
2359764	1906291	1895874	1848593	2391136	1049433		4
1724084	3170154	735854.4	342554.2	1068778	840957.7		4
1350684	1318548	1366358	813407.5	1192363	685391.2		4
1449255	621045.7	5730166	1407518	513219.6	410337.3		58
25200496	23819084	26209749	22347805	20571150	12974789	[1269][M]+ [M+H]+ 69:	62
7844211	8775225	7462387	5504004	6571749	4584356		4
1113119	2082571	2247150	1087464	1378342	989446	[1201][M]2+	33
4407192	6612379	5721410	12031788	5917590	5649778		190
764141.2	853188.4	651387.3	747459.1	385755.2	192092.1		4
786989.1	1677809	726409.5	793338.5	1459693	1941213		8
3693647	2091657	3102905	4649961	3408498	2991606		2
3088605	1514967	3088458	4208726	1252218	1043155		98
4163707	1795428	20937036	1882589	1572818	679035.9		9
1108575	1854233	977946.4	377389.1	2275062	5054869	[528][M+2]3+	2
563970.2	1132543	1264414	555692.2	862141.4	2719886		9
4064872	4390186	5729936	4317392	4333817	4515241		352
9301831	2103762	1564565	8112963	4533450	3998425		216
182148.2	321015.8	339080	301139	214786.5	292111.6	[M+Na]+ 5:	42

4046934	684210.1	970343.2	802585.5	4649958	4592456	[M+H] <sup>+</sup> 38	15
1604619	4129248	2909240	1420382	2512835	8880996		9
1550362	2113199	1505276	912764	728695.8	1102552	[M+K+Na] <sup>+</sup>	57
906163.1	1865440	367363.8	1166460	2394191	1588316	[M+H-C6H8] <sup>+</sup>	3
3894899	2380864	1671993	1114253	2630451	5328125		294
661436.4	861960	440044.3	475421	297721.1	793434.4		33
4963286	7200070	6664754	5709756	5357214	8866950	[462][M] <sup>+</sup>	166
669859.2	2595213	17134.13	754615.9	1683825	5228426	[M+2H-C6H8] <sup>+</sup>	21
504988.5	1124174	1538391	498680.2	995255	4544554		9
1362707	744156.3	1863407	4698781	699467.2	0	[560][M+1] <sup>+</sup>	1
6719381	2741870	2782828	5614284	5597761	1857679	[M+K] <sup>+</sup> 30	11
522285.5	889996.9	706128.8	397857.1	1237051	112276.2	[51][M+2] <sup>+</sup>	4
4707223	6108337	3989918	3898752	4598156	20599545	[1258][M+1] <sup>+</sup>	2
714148.3	1142116	1288537	402969.8	672342.2	2073026		9
486700.7	994304	518024.9	575216.6	1176949	1169304		4
1183264	660356.4	1086339	921955.8	764524.8	524357.4		9
368823.8	117674.7	163670.8	58948.32	314566.8	447119.4		462
3757083	3865149	3805445	2871988	3346389	2316359		4
71207666	2167480	21448596	68927999	2142564	7903905		2
5229312	4458121	4759960	4956671	6792570	0		1
2964952	921445.7	3002602	2673968	520172.7	0		2
11050663	25069838	34258087	12329142	8690665	20773839	[481][M+1] <sup>3+</sup>	18
2252164	3484380	5097976	1436842	4232850	1216980		1
1121024	1441791	1168937	1197840	651394	3789353		81
2880172	3387723	3473108	2571156	7781857	24148873		2
1820189	1656286	2452436	1873691	1146294	1605482		2
4354169	4748583	5484630	3633145	3975919	656259.3		13
1994345	2918079	1784385	1155859	1921086	851652.6		4
1697962	1999169	1542921	1043031	1516112	1667607	[787][M+1] <sup>+</sup>	4
7638603	13505079	30544081	12301090	11574213	32113941		13
2082847	1483138	1453771	1145273	1479517	222336		476
2175619	2613335	2606007	1587272	1982063	743111.2		9
2629082	0	946044.4	1772737	1700413	0		2
13136740	10570003	10676087	19523041	10354132	2299104		2
5387224	5358176	5222727	5456533	4854680	3835570		410

603583.9	633888.9	259663.6	289294.4	301724.3	396546		456
161672.6	1853633	1292374	33377.41	608909.9	479252.8	[261][M]3+ [M+3H]3+	20
3284809	4617677	4090695	2156684	3292052	2401398		9
4512754	76395.8	1950092	4667671	2146874	307154.9		2
85888253	66549764	1.63E+08	1.63E+08	58471109	69798664		165
834198.2	1217675	787541.9	746786	764882.9	2158623		37
623544	1114374	1096748	272201.5	1189419	1063736		39
4954459	1866642	3188645	4157123	31243673	3860187		2
405258	522916.3	514336.9	316198.1	524543.3	223955.4		9
685864.7	117245.2	510085.8	462746.5	269391.5	12526.29	[1274][M+1]2+	71
1.16E+09	61375598	34576910	32665252	80123892	1.63E+08	[429][M]3+	2
3040246	2177786	3714421	3175698	2474121	0		2
1214833	5912557	2705762	2346709	2441461	4769853		180
3004660	1541972	1743405	3762373	4419456	17077578	[M+K]+ 32%	93
863165.3	1426897	539810.8	816586.3	2312602	3398004		2
278649.4	1519151	672716.6	825845.9	248040.5	3524247		193
5943852	4704734	5211220	4617302	5439782	924639.8		9
6783832	5496988	6147416	5372807	5456709	792740.1		4
1594370	2693828	2040133	87718847	1.3E+08	4.49E+08		3
56316540	44288480	47395037	55926372	38840568	14123811	[1247][M+5]+	2
2201017	2972795	2554305	1821607	2372754	1238184		9
605164.1	862111.9	691779.6	425405.7	627451.8	632866.1		4
338095.3	366860.4	345885.9	311153.9	338327.4	245794.8	[M+H+NH3	72
2863222	2600078	1526464	2525324	2670887	908172.5		9
4043077	2429956	2569631	4768096	3036733	0		9
8977994	6681113	4784981	7509846	8096331	2094238	[M+K+NH3	13
53094882	51478403	48156819	50803185	49120311	30118843	[870][M]+	123
13100254	7035118	8768289	13351233	9164320	2834622		2
1423276	514276.3	2544046	1115181	1962536	980119.6	[M+H-COCl	6
4340892	6063025	2756165	3629346	3025396	17353736	[781][M+1]+	157
804727.8	1740842	2547184	695624.9	565384.5	1017589	[M+H-HCO	18
21088833	20747097	21169307	16867641	18551447	9334317		4
2239357	0	2556453	1462279	1926298	0		2
7436665	4991508	4669866	5369336	3358799	4894040		158
8.84E+08	1819778	1.56E+09	8.25E+08	6.02E+08	4.31E+08	[92][M]+ [M+H]+ 22%	18

4394146	5435334	2683251	2867328	5303323	16419842		2
2.19E+08	2.38E+08	1.13E+08	3.73E+08	2.46E+08	4.52E+08	[378][M]+ [M+Na]+ 30	33
2155925	3349558	1935733	3812902	1817479	7034376	[1210][M+3]+	2
1347086	1486056	2371661	898789.3	1043502	0		9
9360998	5982971	6317526	7399769	7177217	3950620		2
1189122	1011064	1058251	1353691	1301896	1219782	[960][M+1]+	150
646096.6	1004615	953857.3	523494	696462.6	608480.9		4
1676171	1569053	2598433	2272844	2196077	1045589		1
1313453	1338729	775463.7	2099438	2255130	1051606	[983][M+1]+	311
2895898	2730147	298491.5	1434329	3797038	2896712	[M+H+CF30	21
231417.9	257066.3	351508.9	236212.8	154781.2	172255		69
4440309	5348733	3910740	3965305	3519945	9250043		295
2085541	3298348	1598005	6026068	4496621	15168202		29
1193184	3972697	2897610	784371	2401882	9851789		9
6445953	2998348	4758755	3444922	3463641	7576039		2
346859.2	255861.2	222449.2	132717.7	229340.2	1533962	[928][M+1]+	83
3542279	63336.71	825306.4	2660928	481079.3	20904349		12
414909.8	670945.4	1114255	433789	281708.3	324257.6		91
1418180	2059570	1472116	942550.8	2542939	4258641		218
2046403	4922317	2670519	1725341	3267003	13265663		2
5300084	5598777	4531993	4810039	4699961	4034894		401
2119299	1586349	2969236	472125.5	747166	1110572		9
7162542	6255936	6359960	4980458	5742012	2928185		4
615713.2	524608.3	284994.9	459221.9	947774.7	690670.5		159
3974769	3263514	3089451	3404956	2757172	25605507	[1348][M]2+	2
465874.7	1431116	705786.6	398949.2	489083.9	1476151		9
97219141	1.27E+08	68313723	86878130	1.46E+08	3.15E+08	[1341][M]+	2
1074930	1518466	743329.1	883966	958595.4	1208991		35
1052398	1304551	1230192	1218914	929287.5	1585751	[M+K]+ 710	23
617269	973157.5	918418	548992.3	524472.6	261720.3	[580][M+2]+	4
0	0	797194.8	98143.44	348527.4	506844.5		9
8443076	6466756	3295104	6368180	10445908	6287447		3
5170445	6777325	4442280	3579671	6422066	16994452		2
7289750	10545210	10465174	6289645	5248950	8525464	[1518][M]+	20
15222660	12602959	10866148	14904145	6240181	3498026		2



1561738	1365452	1314214	1327864	1308619	0		9
606908.5	278509.9	531429.4	533662.6	506615.2	374053.3		54
3662921	5160724	3691461	3056487	4959809	4411668		13
2971270	2837754	2611312	2293176	2897394	1170596		4
748505.4	998335.9	933347.1	395377.1	862138.8	2800406		9
953911.6	483371.9	1477696	721155.5	1707742	482260.4		46
1977876	1688122	1155586	1611486	2371065	5892725		2
3808488	5214982	4435940	3028318	3588309	1776009	[1285][M]+	9
1378144	1360122	1519379	1055795	727572.3	709980		4
475609.9	380443.9	538530	326029.4	446373.8	231643.6		4
1498793	735843.2	1956294	1278271	764902.6	826466.6	[M+2Na+K	12
2937176	2236053	2402952	2832939	2618948	1301449		9
2323350	2732233	2108681	1543241	2082651	634350.6		9
730875.1	656785.5	549666.8	931794.3	734200.5	291959.1	[954][M]3+	134
10238153	4011524	8369395	11816472	7850571	1053808		1
3.4E+08	1.86E+08	2.91E+08	2.79E+08	7429737	3.47E+08	[1206][M]+	2
860601.4	529369.8	808691.3	732982.3	737927.3	47968.37		4
5533979	5139992	7791754	357444.9	6041208	2850050	[M+2H-H2O	23
5162952	4198004	3937814	5355901	3759106	1144525	[230][M]3+	2
3307183	3885191	1081046	2056013	3973544	3811231		1
1832889	1105518	1761850	2262640	1176803	187960.4	[366][M+1]3+	2
1447661	968895	709140	1238579	1009118	256910.6		9
260211.6	529996.2	428586.6	241976.3	167120.9	591957.1		4
6190272	3871345	4295226	4613769	2693613	1832665		93
1001479	493395	155275	843609.1	1010806	1324657		41
400843.8	848481	514206.3	588888.8	1433453	133515.5	[M+H-C6H6	46
1431485	3218139	2859234	2553897	1617082	2568031	[3M+Na+2H	134
608143.6	407036.1	1230221	4410049	401241.5	322480	[557][M+1]+	94
1109040	2039192	2191601	2700558	1027162	835009.4	[M+H-H2O]	33
17777346	20874310	2266820	18091410	19895524	18298975		15
1938261	2639519	1900003	1507879	2881971	5220924		465
1438528	97077.97	0	221557	1103581	0		1
2160376	656105.7	467263.3	1341021	1135258	939550.7		1
3764089	5110538	3748331	3125932	3756013	6375813		418
943556.8	610010.7	719242	922749.8	789521.4	90826.46		4

773911	89552.27	1627540	2973975	541166.7	1616773		9
496878.6	1333688	749739.6	283816.5	1415403	1455798	[231][M+1]3+	4
1240250	1132782	5628071	3977441	3194758	2825441	[607][M+1]3+	9
9126896	15929416	14458275	4171182	1.73E+08	11849689		1
6594949	12540698	3509302	10861987	214795.3	49980506	[M+Na]+ 2:	42
2081215	2047477	2321483	1333261	1779330	1089909		4
1086150	1478880	648072.9	876020.9	1038005	10390165		9
1389387	1966503	1102989	1027987	1115888	1036414	[972][M+1]+	9
18020385	25936723	15414264	13321141	32942808	77206744		2
1024883	1035448	1867542	1070004	817172.3	645781		9
1855338	1503056	1099843	2405759	701772.1	970262.9	[1557][M]+ [M+Na]+ 9:	12
218675.3	242707.5	285258.9	287860.3	211858.1	194251.1		66
95869192	1.05E+08	80623936	84560638	1.08E+08	1.36E+08		2
643939.3	66250.56	1809206	319498.3	592221.2	105191.1		9
595037.1	2309842	834093.4	759676	591195.7	328626.3	[1405][M]+	220
3555939	2193535	8355941	8873902	2083255	1871368		107
1777355	2648809	1204688	903647	922795.2	684631		9
4503124	682995.7	815316.1	3482280	475814.7	1479784		9
255874.6	662935.2	3479418	3255128	3450735	938508.6		260
14133807	12729299	12144796	13107109	12704304	12735351		311
634428.7	625575	976607.6	537038.7	263306.3	2206096		38
3943580	4377018	4467973	4562518	4194995	4282266		180
946840.9	1343017	809722.1	311515.1	927824.8	1290718		4
349838.5	1666090	1065849	917188.4	702308.6	2210783	[1255][M+3]+	9
2787664	13934773	581037	2170340	8018642	13636306	[949][M+1]+	20
1392862	2064318	1633125	999021.4	1496461	2645922		4
3252580	2353291	2178065	1608753	1841323	107629.8		159
1124772	1000704	1006510	1337256	287364.5	761451.6	[85][M]2+ [M+2H]2+	302
2391677	3280176	2770119	1769216	2621459	1249878		9
88053.51	109017.4	120172.3	138555.3	264256.9	12704.93		83
7502289	7445580	8087056	6130795	6598359	3370349	[156][M+1]2+	4
422813.6	1145562	365834.1	232503.9	324161.7	197690.2		32
1.16E+08	1.14E+08	94575132	95837671	91672866	79501148	[634][M+1]+	31
834324.3	1378923	897325.2	208822.2	1290361	1200144	[3M+Na]+ :	5
6428121	5979038	1057204	4735834	5589327	5944267	[M+Na]+ 6:	3

267783.6	138370.7	244131.4	148643.6	49256.67	210735.7	[1416][M+2]3+	72
40198820	51625366	40971096	32010236	33096940	32447774		1
1223630	0	842509.1	1260576	800126.8	0		1
4280965	2068387	16578.15	2570352	1107632	585092.8		52
727149.1	987273.8	695089.5	696507.5	3166489	1687081		29
4324565	6329791	4461687	4588269	4435350	4182186		316
12938407	17661593	11926882	12054324	15111107	8806377	[1247][M+5]+	2
6540031	6480259	6963458	5446769	5481377	1044253		9
9942287	5912048	3547941	2327820	5753256	11250850		294
2094458	2210642	3271427	1232627	1616914	925891.3		46
888064.7	452719.8	101439.5	1005110	318635.3	408777.2		22
1183418	2097376	1396612	828598.5	2576547	8089270		2
4281545	4767698	4761931	3333502	3701128	1819455	[269][M]3+	9
23162775	11383437	6943837	8270423	9665037	8561407		2
294822.8	520046.3	220718.9	202959.2	279738.2	243952.2	[1515][M+1]+	125
1437082	315812.2	986800.1	4374228	10564850	5783682	[M+Na]+ 4!	38
4863242	5249599	1747946	6137907	2360110	3449316	[839][M+1]+	1
5471855	17710996	6279052	3807798	15795778	24830001		11
374130.8	869896.5	391993.5	233018.9	553314.9	846252.2		4
14516666	26975416	16466922	11424632	17227444	15926307	[M+H]+ 15!	13
6099367	6144730	6403793	6222080	10720143	6084085		356
4523512	598571.6	4163900	6197551	3874736	4039592		411
1245846	1875990	1624567	1219647	1750239	4322122		9
1640613	1506144	1816887	1476194	1417105	338776.2		13
2226009	1736939	2190971	2509491	2294848	1986840		312
1353156	3790085	5316979	3714021	2471503	8491650		15
335629.5	345133.6	378935.1	414507.4	304384.7	338248.5	[1327][M+2]+	150
1.85E+08	2.32E+08	1.71E+08	3.81E+08	3.33E+08	2.09E+08	[856][M+1]+	19
7130476	4036756	1539704	1710122	8054927	5869431	[M+H-C2H4	11
1318945	1282230	890174.3	539775.6	732824.2	679693.7	[511][M+1]3+	4
991189.7	1464705	1523881	1115896	919350.9	3248452	[513][M+1]2+	9
1085502	1250910	997266.8	576523.2	895503.5	186460.3		12
7401174	7772203	7712367	8334838	6151742	8291272	[M+H]+ 19!	20
4142915	5564168	5115928	4380931	2363046	915935.4	[234][M+1]2+	9
640650.1	1529622	330732.8	134824.7	1096212	1080666		13

3120055	6664905	6352953	6197295	6037201	2817530	[M+K]+ 204	404
887266	1012574	1152029	1073721	976267.5	754371.6	[1531][M+1]+	37
6903372	5378913	2796107	5331002	5588586	14152361		9
51765730	50945290	40420665	30594586	78341745	37726144		1
684435.1	3114818	1124431	380417.3	2582984	5729255		2
1321534	1060788	1026070	1025986	981002.3	0		9
480056.5	1342794	1228945	341336.7	606404.2	1690931	[M+K]+ 285	8
1619467	3221461	3510749	6949993	2075795	6875895	[924][M]2+	1
3158176	1629533	2724332	1035695	5531726	4086697		1
6220898	9519596	1247435	5924125	15406616	28710150		2
3685490	2658983	2833285	3560896	2579071	0		9
2560147	2372714	1847379	1824190	1579819	9358224	[M+K]+ 636	81
9763437	5441407	2994304	4571730	4793999	3790789	[M+H+HCC	14
7167242	7161594	760259.8	3944756	9747982	4152685		3
534339.8	937656.1	977205.5	447684.1	755316.6	535104.1	[86][M+2]3+	4
316076.5	136679.7	279364.6	486954.7	1133620	4876721	[1523][M+1]3+	9
1634481	1857568	2986897	559336.7	1597934	588400.5	[454][M]2+	1
5516240	1937344	4122509	5132629	3885421	831512.3		2
6299013	6813895	7242276	5185205	6790943	4860398		9
1188333	3821248	1389816	556132.8	2779093	14286264		9
1041234	4502652	3351428	597536.7	2243444	9556265		9
32897458	22686638	26715533	32569252	28564710	10834367		2
2751769	2842626	2798581	2770636	2642030	1173060		250
66325322	45440239	47326104	41293111	36287956	3234320	[M+2H]2+	169
3369871	4605911	4231793	2646540	3218600	1915737	[160][M]3+	9
7852158	930816.2	8075432	6359675	6750846	2787182	[M+H]+ 300	46
4757311	1177244	3528588	4002288	2207089	145736.4	[34][M+1]3+	2
467359.5	1163800	335020.7	342998.2	1049260	573272.8		8
637740	470683.5	910797.3	502310.1	565208.9	429637.6		4
19499686	25917505	58212003	14770833	1.83E+08	10799993	[M+Na]+ 4:	21
4703854	8576945	6249165	3980999	7585492	5612906		295
598973.4	189745.9	848519.9	357625.2	966485.4	1677712		9
621033	1583933	1464041	975528.8	634530.9	327096.3	[M+H-CH3]	5
26771614	27762396	7294767	2558590	4494573	8070878	[M+H-COCl	15
613207.5	1845710	7286879	615691.9	572543.8	1345397		20

974506.4	2875456	3865733	1072926	98963.77	504577.8	[M+K]+ 376	20
2383648	3232945	2921561	1824075	2603542	1178494		9
2098235	2248515	76344.03	131861.2	221598.4	1579815		472
0	959624.9	14773.67	67889.03	827589.4	0	[M+2H-C4H]	15
7379231	2430390	5475293	7553814	3030022	1790007	[31][M+1]2+	2
3530781	2588948	5732456	28231682	4137487	2491644	[1141][M+1]+	138
10175223	11201796	6220906	7716109	9323394	2727764	[379][M]2+	2
1667053	1443372	1056290	369687.5	1698190	582792	[3M+H+Na]	6
5593009	4606202	2952923	3319035	3351429	2212015		415
350064.6	1126112	311791.8	71437.31	872523.5	3017677	[1024][M+2]+	9
1171665	1146432	1088918	978468	780841	898029.4		9
16469981	16081995	17075626	13760404	13909013	4433120	[952][M]+	9
3511903	2941622	1916951	2696055	3985449	3047286		1
1E+09	6.75E+08	8.47E+08	7.9E+08	7.19E+08	2.95E+08		2
37282105	6460400	33787010	7197987	37851218	1106339		2
1455100	2337150	1810781	433845.6	1570895	4672178		4
1807842	3354089	2987407	7537075	3094272	1090648		2
4534489	3909406	3533451	3210902	2191131	5258838		226
1214071	1149356	242337.2	533959.9	799538.2	12308314	[M+K+HCO]	41
1134284	11948626	9238650	38564575	8914772	17427456		1
816766.3	3.87E+08	4.58E+08	2861235	2294895	2540992		2
2063158	1964451	2570116	1766565	1476523	1126298	[1521][M]+	4
560741.5	1394453	457543.4	370680.9	1152401	1943827		1
5584460	4894871	5007122	4831897	3766840	704604.6		2
3077377	4226429	1677434	715675.9	4098392	5597839	[M+K]+ 376	3
180838.8	1870370	570360.9	215578.5	884443	4217296	[549][M+2]2+	9
4142941	4316825	4270398	3033901	3319914	4506581		208
4126571	1729402	1351681	3710152	5184309	860694.8		2
6977665	7759209	6413315	8130109	6256023	4629673	[385][M]+	158
2380388	2357771	2347156	2104191	1882298	1219829		4
2328173	2505373	2482055	1919220	1975109	1017629		4
983724.3	1083191	1146155	653634.8	729242.1	129782.9		9
1.02E+08	1.37E+08	1.14E+08	66903082	70468846	1.13E+08		48
3249765	395136.2	2397277	3277223	1665061	0		2
4113580	6343809	6046161	5551720	1898977	23291661	[M+H]+ 57	356

1344537	3682880	3644227	960797	1207934	137165.8	[3M+2K-H]	6
2660472	2330584	1276470	2733144	3326496	4687122		2
4794892	10142901	8678820	88535111	3193276	37355034	[218][M]+	100
5054784	5955709	6940652	9536531	7800613	8940330		385
45644656	57411397	42095547	38395982	45217649	27574353		2
4111758	860701.6	2963322	3186844	4547622	6856235		11
2617726	2393142	3098063	2061121	2166411	5697065		9
828569.8	1368386	1115926	551065.6	944334.7	1817449		4
28836620	45941115	25690527	27875937	47857087	65175128	[1369][M]+	2
217877.8	185621.1	187228	176784	183996.4	118814.4	[M+H+HCC	43
3289780	4335284	5164045	2630516	3235238	602279.4		46
13696315	13289460	12332008	13103869	13093179	6837692	[870][M+1]+	123
50021631	45000278	3851896	38561658	45219992	1.53E+08		3
2702867	1138855	2276170	1472787	1670936	1976663		63
1798455	1937978	364937.1	470636.3	2006025	1435264		84
840772.6	954580.7	1702594	876315.8	855260.8	1483422		9
2912077	3063273	2004423	3206541	2891552	428598.6	[851][M+3]+	4
4261238	6096987	7185155	2875476	4394858	379020.1		1
63343390	19061304	27831264	29984245	57862000	29372281	[M+2Na+K]	3
1060086	1282419	38531.02	831222.3	1093738	12928873	[3M+2H]2+	11
2398770	2411246	2957383	1725934	2237124	0	[895][M]2+	9
4265084	4458542	3547916	4253133	3222736	2845374	[55][M]+	117
7709074	6424141	7758544	6791395	5632497	802126.8	[238][M]2+	9
2321619	345587.2	1963680	2458403	747248.6	11342625		2
2575720	2527399	3437409	5777097	3189757	3078791	[1496][M]+	83
845979.9	632192.2	1928984	1036381	939964.3	6044813		2
7710488	2371264	4842658	6920052	6478521	1263944		2
3699724	3265625	5554280	2490171	2635361	1693853	[268][M+1]2+	18
2502718	2259086	2881986	1839277	1264413	1112281	[1064][M+1]3+	9
5462080	5735073	6013146	5981587	3656145	1798877		2
1163959	2427662	1418932	1214561	966561.2	1153351		9
2320749	3093514	1814461	1647586	1567078	0		2
3327373	3578596	5016067	8321186	4176028	7626086	[M+H-CH2]	189
3293060	4730754	4475675	2377411	3124980	1397535	[1319][M]+	9
3205466	3257967	4039957	19558249	4241746	4301589		2

7059186	6896145	4528688	5238831	5729591	4970659		121
375862.9	328590.2	213905.3	568275.7	287951.5	106300.3	[1570][M+1]+	136
6553845	6246762	6775970	5643697	5754394	1273951		9
1602585	1471545	3947657	454745.9	2478205	729480.7		1
4865516	4138416	4255036	3891626	3790469	3080791		18
917935.3	975228.9	1023753	667863	1021911	1059318		9
5556528	1373609	862521.7	4633454	1206939	2899413		9
143492.8	790548.3	102691	279874.7	614963.6	400785.7	[M+K]+ 53	5
6078676	7388444	5515086	4691804	5477561	2815026		2
6245855	3293230	2581445	2856859	3636244	5700410		9
1332822	954411.8	1094648	2126182	209644.8	665560.1		387
323489.4	292511.6	335242.7	345656	316035.1	52772.59		55
633426.6	1619615	1538416	812750.2	1199803	2159021		4
551913.7	934747	768281.1	5298672	472737.2	617059.5		9
2332515	2446233	2785698	2580205	1837868	232352.6		9
1494592	1414651	1518458	1474821	1496221	736379.8		127
4554589	21398874	9700420	10385237	15360975	60688119		11
314597.6	1188784	514901.9	0	367673.2	3117803		9
2814408	2923251	2951439	2896173	2723396	2792513	[777][M+1]+	190
4718213	4392917	4543124	3097058	4954100	5675917		335
157544	1090289	0	63456.41	337767.8	2303317	[1025][M+2]+	9
370728.4	190381.3	415242.6	406484.5	201258.9	124074.9		168
3276369	3291614	3342786	2705494	2766576	0		9
9489001	5199424	8195777	9679097	4846787	133996.2		2
1156877	2938309	1546206	808869.8	1828883	7420858		9
768492.2	1098711	570414	1185261	1.41E+08	1.2E+08		34
1221184	2945398	2698260	915593.5	1834165	4640466		9
166398	250470.7	146450.8	134836	201675.2	146850.8	[1326][M+1]+	86
8582182	1276877	5146783	3272458	7114859	785152.1	[570][M]2+	187
9315844	2802090	7180612	2688785	4753359	1740204	[453][M+2]3+	150
621205.1	2008045	152730.4	0	290729.5	240219.8	[2M+H]+ 3	46
2450363	1727602	1832836	2268943	995749.6	1750202		2
2899110	631230	3273507	966711.5	4470204	8828513		1
25372133	17153678	19422868	25116357	19323228	8191589		13
511566.7	721435.4	839970.2	347425.6	470767.6	582275.5	[M+K+HCO	8

3068778	4059167	1402839	1843031	2899687	806572.7		4
1995076	1253755	2359059	784035.8	1101801	310551.7		1
4429983	5289726	7523629	7051787	12661420	6093829	[68][M+1]+	6
6227939	7524610	7642893	5164497	6742003	20648868		9
1055627	1949877	1426298	713151.6	1268514	3365498		9
1195849	207565.3	590895.5	665606.2	490535.4	8525238	[M+Na]+ 5:	41
7785315	8646740	7388258	5478932	6522975	4618948		4
797249.9	4050753	5425795	3938036	3702296	3885907		419
6574819	7020601	6776676	5684111	7003472	2148521	[1580][M]+	9
21805697	20243648	21532973	26405095	23398723	18548867		152
2462700	2600657	2533536	1998328	1929266	1227402	[86][M]3+	4
5910962	2392269	466600.5	2730464	5693227	4383359		1
681338.4	1778901	1950951	1403108	721404.3	1682254		9
4879475	4828078	4775830	5421060	3365143	662745.9		2
13004427	9230724	6147941	12330606	12231742	2696360		2
16774796	16364020	16550523	12068904	13324627	5093856	[872][M]+	86
4607258	4840775	4721722	5030125	1892103	4393522	[1175][M]2+	190
56401861	51558450	50833832	68405846	51594758	55241617	[421][M]+	183
0	1083951	226222.1	3406153	116651.9	290167		15
1090446	2032745	3861284	967964.7	1450425	4191027		9
2084843	3323973	3644789	2694740	2310794	5929779		1
3675929	3508135	3959082	2515533	462773.1	2525109		325
1722775	2885509	2810945	1252504	1698145	7531485		9
19185444	3571227	17230084	17487883	16920556	17003475		241
12349672	2850369	1910401	814169.5	8979239	14247938		15
2796772	1889818	2017675	2056899	18834229	2235424		2
3591613	2872798	3877554	4685301	688088.2	2247522		353
1.62E+08	2E+08	1.39E+08	1.56E+08	2.14E+08	3.07E+08	[1293][M]+	2
5074883	7812477	8474072	8050761	8310918	6515599		310
958690.6	1344551	2267420	902238	752142	3548042		13
3825752	3244751	2812023	6111669	6437861	3188280	[M+Na+Na	13
167747.3	169239.9	1130245	374244.6	286766.8	5061346	[801][M+1]+	309
617248.9	355547	694298.1	1072914	744930	1243833	[M+Na]+ 4:	288
768213.5	8750408	5518989	3783186	14756623	5672548		346
331904.7	365934.1	262638.6	321454.6	170647.5	198014.8	[772][M+1]+	51



487804.9	272381.2	217536.5	563564.9	461899.2	1021203		8
4297451	1107551	1489753	935923.7	4900227	4231623		9
2164109	2783890	2457435	1289602	2511131	1811973		9
483321.3	182167.3	450883.1	320998.6	312421.7	330872.4		12
3455021	2981379	4256861	3994357	3782296	7536863		2
2394985	6286937	2555251	2328230	3852934	21795775		4
4726148	3934009	3914358	3811707	3964644	3794215		208
6500700	14179441	7386478	4572001	10681720	50142146	[684][M]+	9
21757954	11083765	16800560	23567122	11462640	2246352	[30][M+1]2+	2
2080322	1684709	1735284	1950300	2246310	472137.6	[M+K]+ 54'	14
20329050	18170224	21552552	16419725	17667694	4993739	[M+H+K]2+	16
1643459	1770304	1784190	1252052	1779568	2189966		2
1391126	1328194	1723108	1252787	1123226	740558.9	[1263][M]+	203
1624711	1654425	1473947	1703455	895023.7	780791.8		141
5361420	3845276	3008368	5031133	5467207	3876689		325
7694685	3451728	7210716	6663881	3937263	3815937		2
1230397	2176976	1756379	1005370	1660713	768499	[M+H]+ 45'	13
2568573	2128074	2340160	1962004	2120492	989115.7		4
1637001	2003899	1423736	1322609	1194638	6786004	[359][M+1]3+	2
3349566	2535217	4717652	2532235	2396615	1121086		1
284528	371192	641495	489537.4	355837.4	352055.1	[M+K]+ 38'	147
24893603	21842357	15927578	31327697	23273958	5382768		1
1582422	3082633	2433777	777495.3	1583094	5321389		313
968462.4	1366774	725440.9	734028.6	928155	889308		81
1486094	1691203	838177.1	159492	1453155	1010107		4
37618852	21955937	29596044	40704074	19424296	3016610		2
1120848	2472259	1395263	684297.9	1752563	4850557		4
12473196	10820364	14111166	10245763	8616407	901175.6		9
5615498	7692665	9931962	11384310	1863737	16364644	[M+Na]+ 4'	15
9532327	12217839	11121737	9164211	10825402	7496394		9
270512.7	1114540	1616508	287158.1	609721.3	1028880	[404][M+1]2+	18
1029558	3744716	1886825	1108540	1917005	4390614		15
420388.6	593883	381360.1	418626.9	391538	201664.6	[M+Na]+ 1'	8
4051045	3460760	4445491	3703991	2776279	235858		9
396895.2	1578255	1458385	203700	770779.9	2843511		9

9513460	6105408	8341708	9622726	8046630	2848321		2
25641819	18181798	21311269	26593524	21231591	7575044	[443][M+2] <sup>2+</sup>	2
7866405	5796587	6538121	8496714	4911892	1084633		2
2917074	5632934	4326931	2168429	4355272	11833072	[713][M] <sup>+</sup>	9
1772179	4479083	429624.5	3061482	5002337	6294513	[M+H] <sup>+</sup> 49!	21
26786517	31293044	15098860	29226262	26292306	30991301	[M+Na] <sup>+</sup> 4!	3
1995108	1152340	2005081	1864094	1367000	1703564		2
797387.8	1924735	3298526	824755.8	926064.6	2377247		9
2100621	795811.7	2498477	587386.4	914810.4	0	[1120][M+1] <sup>+</sup>	1
2715742	641807.7	1292478	2325919	1694533	3877562		2
7334286	6535325	4244706	7618528	7944346	6517707		9
8689789	8629565	8770004	6575489	6730147	2815862	[1424][M+1] <sup>+</sup>	12
2341122	15706483	4048987	6050563	10400234	2685119	[M+H] <sup>+</sup> 53!	253
13474346	9092149	7814522	9755473	13628828	2660289	[M+K] <sup>+</sup> 51!	14
781682.2	1896296	420786.3	335150.5	257986.2	539111.2		48
1363004	1504836	1229596	1314591	775820.7	1569517	[M+H-CO] <sup>+</sup>	29
5065593	2300842	6476813	5977969	2741539	2635530		79
16503275	20722998	18962557	15669191	17913475	13914471	[687][M] <sup>+</sup>	9
3934948	6580986	4102806	4877599	4070110	3844628	[909][M+1] <sup>+</sup>	147
164598.9	130715	232330.8	218278.5	82078.7	157084.5	[M+H] <sup>+</sup> 46!	357
1491435	1213676	1315910	6211659	7712922	1979664		1
8551515	9325374	1819976	3286130	9861221	4655445	[M+K] <sup>+</sup> 53!	11
467438.6	533143.7	288909.9	174699.6	368740.5	13335.36		100
9719954	11987615	9191458	7935743	14251256	18554616	[1298][M+3] <sup>+</sup>	2
3876352	3844331	3821870	3891372	3666932	2661723		270
1736456	1780065	1887536	1070781	1669040	1329711		4
6750169	3105628	4851633	4550878	984303.7	4929442		190
3263797	3725904	3229622	3383360	3653043	3352327		468
2852380	5131933	4504115	3269198	3769546	142232.6		1
1053824	1052573	1148008	840555.6	683729.3	848345.4		4
24505567	10319349	19405243	12780046	22130060	13383781	[814][M] <sup>3+</sup>	2
477257.5	233332.1	578298.3	508458.7	518848.6	263854.4	[1526][M+1] <sup>+</sup>	183
401861.2	584714.9	92687.86	16232.71	62532.39	218973.7	[2M+Na+3I]	18
2076594	0	1271959	1479963	1585212	1679490		2
24346412	21833108	18113836	28291899	27388323	22426492	[1572][M] <sup>2+</sup>	2

2411049	2221126	2484422	2248318	1811365	0		46
4371251	3371631	3739738	2555894	1875867	1797376	[M+K]+ 17	29
1.28E+08	2687722	12847149	93603406	3028086	7354350		1
234314.6	245195.8	221691.7	359019.7	161739.2	104005.2		127
433645	880422.5	428805.4	268997.5	882913	3064364		8
3800177	3186337	3146094	3344245	2784945	2156791		9
7994270	9562600	8958063	6719030	7362181	2816320		9
583907.9	322650.5	383248.6	262416.3	272752.5	164109.8		40
1.95E+08	2.61E+08	1.51E+08	1.56E+08	3.32E+08	8.37E+08	[1245][M]3+	2
5609564	1808152	2616746	4795850	3021933	2951345		155
365993.9	980821	1200474	267316.9	633561.1	950034.8		9
1814183	2566448	3101035	1446300	1265144	1310244		9
557496	989854.4	334296.5	431910.9	803818.4	3081267		8
1238360	2671598	1686634	614010.7	2262713	631991.4	[M+Na+Na	3
5118602	8393901	3587665	5024157	7727518	6198411	[1374][M]+	2
16558161	16040277	17178509	13944407	14153391	3908629		9
7980219	8416480	7175416	5652941	7590777	11353479	[715][M]2+	5
289272.3	1438230	1245179	328897.9	829376.6	0	[M+H]+ 53	46
2202563	1536576	2242938	2574859	653945.8	1476037		456
190829.7	151660.1	175255.8	216208.9	274268.1	75089.18		16
1312129	1302281	1185927	1060748	1014330	288571.4		9
3735760	3586766	3587106	3023428	3526536	1174989	[1498][M]+ [M+K]+ 80	16
784142.5	1205243	491349.4	550577.1	840792.7	4394786		9
353015.9	118683.7	126917.8	593229.3	719314.4	688618.6		274
946168.7	1137575	2295646	1720896	1889474	571110.4		155
1518519	1218275	1264630	1131105	1014046	548948.7	[1325][M+1]+	16
1554325	1330988	575922.8	1026529	1270011	11639231		9
62633566	12886821	65080068	27549943	33067707	27227711	[733][M]3+	1
1277795	3767050	1189293	2709384	3666308	1731487		21
130629.3	211644.3	133923.4	189985.6	258856.8	19638.92	[M+K]+ 82	28
8415278	9532502	8236703	6714974	10314972	25292335	[1237][M+1]2+	2
1821404	1580356	1882904	1613625	674532.9	757604.6	[936][M]+	486
1591039	2117148	1784452	1042798	1686471	1351105		9
1198878	3634846	2165069	1090671	2172517	8423199		2
25322006	42051388	13540923	17635218	45010641	18894762	[M+K+NH3	3

4600451	4874513	4644285	3166562	3091264	2050203		9
27263902	1727008	2613331	986975.6	31728129	17580276	[M+H-C4H8]	3
6440292	6651485	6022758	6573520	5314383	4593909		2
4903436	4107894	4637437	3851031	2989020	0		9
10502801	8557148	9092344	9938157	10273036	3746505	[3M+H+Na]	13
1171494	864006.7	1128407	582018.5	1157321	222190.7		243
657973.1	3004815	474109	334519.4	158585.7	301413.3		206
5763708	2493337	2625841	4986776	3880310	1262687		9
1176722	3134859	2774298	769007.5	1455920	4912490		9
6992912	6304327	6323992	5014290	5831703	3196207		4
3067696	3686513	2661712	1750786	3896563	31342796		9
1178526	198974.6	140833.8	1301271	124360.4	360808.4		113
1515287	1268521	1286079	910008	667954.4	887806.4	[M+H+Na] <sup>2+</sup>	12
190188.1	113285.4	324827	160615.5	102089.5	36831.88	[1563][M+1] <sup>+</sup>	169
3940510	9530064	5616012	2933739	6391976	7685286	[M+K] <sup>+</sup> 291	3
1195350	1693453	2558414	689503.9	1176696	431244.2	[M+H-C2H4]	15
3167787	1805232	840825.7	2905332	3802909	2070774		2
1.97E+08	1.52E+08	1.64E+08	1.91E+08	1.35E+08	61353918	[799][M] <sup>+</sup>	2
5481481	3874431	5297409	5549324	2938146	12180856		2
437279.4	4.07E+08	175199.3	1.73E+08	1.88E+08	2.36E+08		18
35334300	63758225	35818818	30287424	57995890	1.77E+08		2
5311905	3327570	1197222	3602135	4842455	2140837		454
2720056	3848024	2510193	2954171	5606647	6433198		14
782667.1	743509.6	850527	1110535	551345.9	217778.9	[1148][M+1] <sup>2+</sup>	62
711760.5	563399.1	887021.2	1036880	270793.5	863072.2	[1559][M] <sup>+</sup> [M+Na] <sup>+</sup> 91	497
228276.1	203563.4	353853.1	152608.6	294646.8	437838.2		23
1170658	1573395	1105664	927308.5	1713209	869216		9
2987546	3226649	3173443	2426875	3162549	2283537		4
5412617	12588973	17354019	4602103	4927868	14293346	[M+2H] <sup>2+</sup> 11	18
3681605	2017508	3279065	3262587	4088739	2936507		1
1059170	1401038	1250149	1177180	1105157	177679.8		2
267567.8	216987	243001.1	217029.8	151261.8	129073		302
3989409	4311273	4901490	2949889	3406137	3798914		190
8.71E+08	1.06E+09	7.79E+08	7.69E+08	9.45E+08	1.61E+09	[1303][M+2] <sup>+</sup>	2
5834019	9360538	5298605	3906976	6724146	3707852		2

16992532	13087917	14127490	16864007	12518952	4593302		2
668887	534830	79566.73	274099.8	1440610	1926911		52
5143548	5349151	5712375	2369698	6423760	3327072	[M+Na]+ 4f	15
1140258	1240734	1586977	1065535	1014286	482016.4		213
378448.8	177292.3	464736	227808.3	346870.2	132269.4		351
4644410	513781.5	2929788	3436674	3278295	2887673	[1403][M]+	9
1164294	986796.9	1003369	883828.7	798789.2	2417921		9
34110182	24727693	61121689	53348969	55896490	13564716		1
60284.36	502420.7	362395.1	18797.63	552896.4	580367.1	[M+H]+ 34f	20
771662	2714264	1908133	489289	1358783	1832051		46
2092538	2474249	2040483	1402559	1566684	1157084	[790][M+1]+	4
16314268	1092343	21092323	821990.5	966626.3	13700174	[M+3Na+K-	13
3143715	3219620	1367745	1263029	6205934	9381307	[M+K+NH3	97
5544832	5832594	5446643	5051724	4552863	6157603	[3M+2K]2+	314
1581068	1998287	2150731	844009.6	1713311	14309140		9
14045516	14987770	11362319	9447881	9437304	26394922		165
8915122	6168093	11731132	9753744	4684450	9032207		64
12218056	9203443	12721209	8569350	10028559	2653356	[M+2H]2+ f	33
20025764	26371130	18988327	13333642	16659867	19189373		1
528016.4	631578.3	1889350	482898.1	1177045	455339.7	[953][M+2]3+	9
1382526	387200.7	953272.3	1309088	928472	480230		1
4.02E+09	7.34E+09	6.91E+09	7.52E+09	4.41E+09	2.42E+09	[150][M]+	22
333745.7	164656.7	575690.4	461290.4	293472	22231.35	[2M+Na+2f	134
5472047	3025723	4110979	8396602	3933036	5070705	[814][M+1]3+	2
1288197	1640456	2895575	2574604	816137	1443694		9
582759.9	1176971	1458820	643696.9	548279.1	3252287		9
1293081	2410141	838264	907687.7	2121887	12005531		9
1294484	1684441	802821.5	565234.5	2470278	3077262		2
728923	1080810	167359.5	588587.6	1178625	14489700		52
1866097	1226803	346488.6	570770.7	365709.1	454330.9		116
1297637	4479771	3606300	1062211	2173037	6693753		9
1833139	3460691	2020428	1840772	2214922	2538057	[340][M+1]3+	2
2818054	6850824	3058854	7067887	907571.2	2764761		427
33676803	40492479	41868287	29969257	28888380	18047774	[832][M]+ [M+Na]+ 4f	38
612271.4	0	1009846	547088	351130	119269.3		9

1384977	8137133	4039152	802407.8	10539577	4326229		379
9095725	8224251	5309801	7753151	5183135	16103552	[285][M]+	108
9668216	14309845	9287677	12382939	12972584	10359413		2
11775246	16364651	9558234	12233414	15972984	14176958	[1312][M+2]+	2
784802.9	769505.4	796822.3	553318.6	722314.4	829315.9		4
1158249	2163550	2454488	339972.7	785240.8	0		1
6542376	6248857	6167915	4974796	5623660	2569155		4
6639340	3781017	4849886	6697763	3135504	3245501	[1220][M]+	2
919876.8	625035.4	757279.1	452087.4	649381.3	1131801	[M+2Na]2+	8
1950132	1703252	141338.6	895529.2	2148188	0		21
84970043	77510784	89110040	70304811	75409570	43415561	[1249][M]+	91
1446757	757075.1	1836527	1703674	783581.3	922822.8	[111][M+1]+	86
1773791	1605436	1485398	520575	1280231	1101504		4
618519.4	2465071	869776.2	437982.6	1748572	2522389		3
526330.5	618501.6	166099.3	671836	122077.1	192482		387
1.4E+08	1.55E+08	1.23E+08	1.18E+08	1.49E+08	1.31E+08	[2M+Na]+	13
25485822	17922004	20963481	26609296	21232995	7668223	[431][M+2]+	2
4203450	2185384	3164453	2254679	1493358	16638.01		115
2266077	2382539	3101341	1729682	3627599	3612187	[M+H-COCl	13
724461.3	405374.1	376613.3	605643.4	748465.7	2595138		9
395347.3	228086.3	287456.6	315428.7	331323.2	126392.7		394
4426844	8550132	5534310	2741055	5928833	16859003	[287][M]2+	9
11571377	11913835	9335016	7215659	11839025	41114231	[2M+Na+K-	11
12831819	16996925	9853193	10450404	13099346	31337492	[1106][M]+	2
20881892	30353766	35520621	19439212	19211794	15445746	[25][M+1]+	39
513411.6	388264.5	547960.4	344833.3	216772.5	556449.1	[542][M+1]2+	160
3074138	2302485	1619869	773797.6	2205075	2007502		4
500746.5	2651625	1598599	357949.9	1288903	1906267	[M+K]+ 36!	46
879842.2	2394610	2264266	700406.3	1249494	3238820		9
10423055	8341316	8958531	10197001	10180897	3299252		13
686093.6	960119.6	820394.8	422582.9	801623.9	2030123		4
2360094	1317385	2011806	2170071	1369879	3392541		2
25116483	32467091	19778046	25817764	20698632	6167382	[M+H-COCl	13
79230561	1.28E+08	1.11E+08	79415119	82579523	84539096	[364][M+1]+	1
3152140	4136137	3799223	2552262	4247816	3472328	[M+K]+ 57(	13

2062412	2489607	1131931	2201522	2608553	185975.7		2
3.51E+08	4.6E+08	3.6E+08	2.45E+08	2.82E+08	2.31E+08	[852][M+1]+	1
5854332	5226535	5258726	6080219	4736420	5237611		293
4570234	6152526	5140236	4044521	5360876	3508519		9
3770167	3441254	3730202	861159.5	3590964	5163098		375
87824459	50923635	70769407	89147233	50176588	5553914	[441][M]+	2
160115.8	356442.8	362550.8	147882.4	480345.4	496424.8		4
3478876	5905458	7524505	7502111	9000905	13151006		7
2829544	2894847	2759304	2298413	2739453	2126817		4
3947344	4145020	5578872	5254664	3958212	5310585		393
2846307	1426164	2340283	2693022	1465927	789335.5		2
9350054	10273035	9952034	7413332	7461712	5644760		4
171645.8	339327.9	201603.5	116379.4	221588.9	389883.6		218
3955705	349512.6	2481573	2973474	5228987	3490604	[M+2H-C3H <sub>7</sub> ]	13
53138349	56574197	74630218	49758298	61766779	69906152	[1145][M+1]+	23
1.4E+08	1.54E+08	1.23E+08	1.18E+08	1.49E+08	1.3E+08		13
7941803	15788507	14725963	6120374	13664434	33274140		2
8651855	14651496	17847930	4925501	13116821	6404883	[1376][M+2]+	332
1695663	1151931	1515299	1300351	1795708	3550915		97
1319494	1592136	1366474	765110.7	2877054	7889011		93
30320476	28701505	30699830	28364367	25898093	19474346	[1077][M]+ [3M+K]+ 1H <sub>2</sub>	13
4740869	9882954	4709851	1774661	12585152	15352873		2
9121346	8151668	36869474	12536746	6349743	1501254	[837][M]+	19
4120643	9896443	4803055	5670310	9764444	7034423		2
460036.6	60080.66	707254.7	2542867	326544.7	141755.7	[153][M+1]+	118
344636.6	376127.7	314315.4	234500	134146.9	69017.02	[1548][M+1]+	210
3146588	4376606	19066907	3105757	3439372	2113534	[770][M]+ [M+H]+ 44H <sub>2</sub>	23
2212838	1313379	1345255	307146.2	808487.6	931826.5		24
787397	722111.3	1704754	610796.7	1096085	1729736	[162][M+2]2+	9
17262892	14324327	11097170	16205639	12486611	4259406		2
1992806	1109897	777538.3	1511587	2711146	3796438		9
1215482	954368.7	1019482	1240323	677044.7	1936786		63
875608.3	770335.9	947124.4	7670122	1001786	5178656		9
10665569	5622049	5936637	11192241	7778731	0	[3M+H+K]2	14
852097.9	2288928	922503	0	1836943	9201458		2

1020742	1812210	1570270	1916076	1525572	456088.7	[1448][M]+ [M+H+NH3	134
13130703	13038100	14329579	16293960	10791572	8113222	[362][M]+	166
1037629	385289	748726	518971.4	1132932	779403.9		179
14168194	14837159	18048732	13787769	10555697	5054336	[168][M+1]3+	19
1409696	1505083	1642061	1435498	3203306	488690.6		2
2542715	3297883	2816598	2076302	1730222	3217830		2
3341992	3073580	3198483	3289092	3179553	974326.2	[1365][M+1]2+	2
1801036	706167.5	160067.5	339128.5	1964403	550540.1		1
1759322	1650424	2027927	1027336	1405445	875514		4
2.61E+08	9816841	1645903	1.6E+08	6103625	1439551	[469][M+4]2+	2
3202481	3751223	629368.7	4005593	4055500	1665474		3
859178.4	839573.9	488372.7	284692.6	1010943	2615834		9
1898438	2938888	2282836	1808248	2401439	2758859		4
4687490	4872188	4654634	3664481	4073481	2576381		4
365226.8	309903.9	442076.5	458799	257963.8	753641.3		12
836193.4	2518855	878759.2	195306.4	1932984	1664932		2
2359632	3163594	2991360	1744741	2616902	839973.8		9
16936234	12376838	14708017	14499462	13988990	14462864	[457][M+3]3+	2
3320753	5003225	2840989	1825356	3334790	5735405		46
621552.9	890123.8	817124.7	451884.2	385956.4	439639		4
3046954	1409083	3244553	3813986	33853772	3933479	[1321][M+3]+	2
165741.4	509581.5	801349.8	149075.7	360222.5	518332.7		9
2860181	6722705	3195927	2187289	8086612	9002056		2
29560882	14660210	22014430	31557131	15237037	2683166	[29][M+1]2+	2
2005162	1867861	1677991	1393521	1587922	1124728		4
3273599	2395636	2130862	2325222	1629419	775867.9	[M+H]+ 32!	268
5811925	4258849	3992145	5138250	4972748	446134		2
9507599	10356453	9518058	6896772	7653580	4778002	[790][M]+	4
8426160	16809420	5530927	5116055	15599799	26255031		1
233982.5	955247.7	128009.5	648085.5	562205.8	742668.7	[M+Na]+ 4!	23
6903711	6866978	9779872	4311648	12178951	74039452		8
2476043	2551953	2513971	2603569	2793204	2513298		421
323568.2	756616.6	793847.5	640828.5	627247.9	311489.6		4
36783797	15647569	51836754	390776.7	196703.6	18033154		63
14242949	13202652	13061424	9226405	10914625	4847193	[192][M]+	4



6306907	5060348	2758985	1446961	1653899	3135078		2
521640.1	0	601698.9	375448.3	567432.9	7846532		81
6470706	8618436	8086894	8921436	5801955	5019797	[316][M+1]+	48
4541888	8160734	14576968	9343664	8202833	2474136		180
942907.3	182755.7	742422.5	532435.3	792710.1	764513.8	[2M+Na]+	39
6.91E+08	7.77E+08	5.79E+08	6.67E+08	1.41E+09	7.54E+08	[856][M]+	19
1.98E+08	1.52E+08	1.63E+08	1.92E+08	1.37E+08	60950290	[791][M]+	2
2534285	186084.4	4731256	2704368	6309785	8856951	[545][M+1]2+	2
870004	521251.8	405151.6	258675.2	381270.7	223762.5		94
678779.3	1275332	737838.9	264546.9	944114.3	6299235		9
673359.5	739089	610480	318549.6	1257997	452562.3	[M+2H]2+	18
19066263	13059499	15395754	18935391	15939294	5661199		2
11451246	10913190	10783213	7484576	9284813	5733150		4
16623586	15570615	15361284	18520144	14768155	15639385		2
978585.8	1059331	1142693	452646.4	799512.8	2282883		4
4322527	4072044	3807116	3484707	3655315	18647045		2
1535370	5186231	1970101	1884834	4291421	6037750		2
7188371	6457863	7742439	7084945	4989892	735412.2		9
1897142	6065983	3059617	2868359	2893315	15507121		2
3413585	4113730	2601806	3016530	3642243	2270296		2
7105279	3498962	5775600	6449283	2960536	2669015		2
362768	268163	313466.7	418119.4	227993.1	308901.4		366
4681224	5734970	8084485	2442380	5937225	3152106		139
4750463	6498827	4422174	4745266	3243386	3003281		321
64402964	55984185	11360030	50264864	57541752	1.29E+08		84
724816.4	686265.3	1069725	759480.4	757046.7	658247.1		4
734272.1	688454.7	515151.6	682945.8	589985.9	0		8
3201506	3050998	4467696	2352011	2276495	367531.4	[M+K]+ 248	121
2323026	2061087	2311806	1707178	1733657	865039.2		4
1524072	2418240	1096924	1063744	1068537	5448618		94
649581.7	589446.7	7360485	8441636	537252	402091.9		6
7666424	11475507	10274071	7935791	12327242	5980202		2
6759176	4915390	5017052	4390943	4775390	597484.7	[188][M]2+	4
855037.5	1606561	1183429	758436.9	652777.1	1352414		4
16286594	15867392	17250983	13796084	14180546	4031898	[278][M]2+	9

1.98E+08	1.88E+08	1.7E+08	2.16E+08	2.49E+08	2E+08	[3M+H+K]2	13
970858.8	1338627	916183.1	369374.5	887703.6	1575097		227
4534119	1344895	0	2808260	3218541	1386820		1
36621800	43917459	40133173	36014170	35552036	21663465	[M+H-C2H4	62
1960291	3263891	2970936	2182577	2538280	5093202	[405][M]2+	2
2456805	3453944	3194286	1633939	2594762	1155922		9
9969633	7125362	8308486	10586209	8358083	5630737		2
1565326	2866607	1686372	1380626	1741559	3891153	[1578][M]+	9
530151.1	620221.6	196569.6	791569.7	928291.7	386706.1		35
607714.8	270804.4	447278.8	460281.6	1122492	5959208	[M+Na]+ 4!	93
7243413	3792556	6544488	3649723	6920463	2178987	[M+K]+ 21!	93
5964453	3226996	2044489	5137735	7069763	3906160	[M+H+K]2+	3
3247670	2082342	1720698	2532261	2583514	192099.2		2
17715100	29799665	9240689	11597067	9741379	32352373	[315][M]+	61
58422769	77922161	77338003	43610864	55871355	33630700	[981][M]+ [M+Na+HC	46
530475.9	704190.4	883713.4	370728.7	465012.6	0	[1332][M+1]+	9
1494735	2011175	2797571	1130358	3448298	1361786		1
5214949	6469861	4696191	9787111	4951423	5542021		372
0	1317989	0	0	1295302	223920.5		15
284670.4	471345.7	57956.08	112332.8	46263.22	440490.6		274
1072043	1433502	1032966	1394085	1025378	553216		4
2561056	8182040	4076353	2476873	5140424	17081429		9
1915735	5105143	4992301	755680.9	3591405	3387604	[664][M+1]2+	4
2814737	2556957	2883349	2799589	2827290	1811133		474
1839058	1485739	1052426	1332866	901483.5	491477.7		4
2435686	1510865	2059165	1996675	1900996	749890.6		4
564871	1133487	543760.1	230721.6	1101732	3240683		9
30754381	22399043	2584102	23048315	28417517	1.53E+08	[M+K+NaCl	21
94348.76	82525.06	27393.43	49949.12	49324.61	23691.12		119
1534699	1697570	291289.9	2085219	1180662	11669837	[M+Na]+ 1!	3
6050872	7204739	3858565	3878612	9228707	57750291		2
737714.4	473945.7	883763	255478.9	587788.9	36813.03		525
5055234	1336770	346938.8	5075149	1408796	1554179		4
4.56E+08	4.53E+08	3.8E+08	4.04E+08	3.81E+08	3.23E+08	[634][M]+ [M+H]+ 39!	31
905226.8	922206.5	1023377	669297.3	691666.5	203556.1	[716][M+1]3+	4

637235.4	790760.6	758501.5	248392.2	308332.7	1721916	[M+K]+ 346	11
1298946	1824141	1727341	1441762	1049972	1151335	[1421][M+1]+	296
3179405	2672419	1035691	2504013	4025633	2310696		2
2038440	2250161	2083286	1900027	2116342	191306		9
458395.2	486629.8	476828	305061.2	691998.1	751511	[113][M+1]2+	4
3983049	6750289	6192019	2155419	3641743	3218938		1
969335	377096.7	1159351	1266365	509075.4	187800.8	[1485][M+1]+	256
6656555	10014621	4987021	4490358	5082437	5154393		337
1389865	1045876	1365077	1484725	882802.3	526537.6		487
1716483	906310.5	923658.4	1376012	1230391	57372.74		4
3786738	7483939	4207299	3793704	7216760	10366133		2
579404.7	1099407	2128774	731969.9	671540.8	55494935	[517][M+1]2+	9
910388	813522.8	431748.5	4981570	958659.8	408085.3	[M+H]+ 376	53
105942.8	854791.3	945148.1	25204.49	385261.8	277234.3	[M+Na]+ 76	20
1359674	2484195	1508227	869092.5	1675538	5160923		4
749067.6	1312896	646197.9	514479.6	872994.4	895421.3		8
19287120	25959947	19239642	13765282	16746952	19487861		1
4232209	8839541	7952138	1892061	4245350	4443622		18
1320669	1271336	973632.9	1039435	908271.5	40764.1	[680][M+1]3+	112
1097069	1502220	121809.1	214307.9	1356563	4745269		4
48600.5	62251001	1.78E+08	1.61E+08	1.25E+08	38159359		261
3631464	3655988	6180317	6019756	8074264	798479.4	[M+2H-CH <sub>2</sub> ]	15
1760371	1789859	1770685	1893468	1415784	1422792		366
9325919	8992816	8194489	5981399	7593455	4331100		4
1228812	1364757	1998264	3215357	1528429	1402445		302
1188803	2229724	1825010	1010188	901344.5	6320751		1
1351390	2180406	1675392	1055096	1611757	1160408	[M+Na]+ 46	8
722428.4	624584.7	707397.7	786600.4	871706.3	2853165	[357][M+1]3+	9
1102386	2915723	3096429	2569156	2445763	2572143	[982][M]3+ [2M+3H]3+	18
834304.9	1752616	2695372	644032.1	1162942	4496905		9
270533.6	282442.6	165947.7	173677.4	250341.9	38828.9		91
1.39E+10	1.32E+10	1.14E+10	1.37E+10	1.29E+10	1.02E+10	[1247][M+1]+	2
812714.2	1038458	1219849	839989.9	925473.6	483635.6	[M+H+NH <sub>3</sub> ]	16
423394.2	705350.3	603585.4	0	243228.1	127637.9		81
2523989	7218874	4429469	1689364	39465008	4931364		15

6955658	5892271	3323654	6541778	8296908	10713672	[M+H] <sup>+</sup> 16:	14
2468796	6429626	3549601	5938138	2551575	34934202	[3M+2Na+]	3
4246857	3461823	473416.1	3634799	10421409	3615014		52
284268.7	249208.9	396052.8	381542.1	372400.5	220641.8		358
211816.4	289460.5	543368.6	246870	324411.1	200935.5		44
381679	1618292	490291.2	330564.5	1102767	3922731		4
219875.7	1246449	0	0	893125.4	3120689		13
2056862	2088677	1541904	2134990	2503346	1388524		9
18837645	14262023	19315089	17703790	42517159	3024584	[120][M] <sup>2+</sup>	1
7391906	7453566	7301330	7557350	2063173	7899372		325
6790361	5904640	7323493	9781581	6119763	4597066	[M+H] <sup>+</sup> 51:	253
2.1E+08	2.05E+08	2.18E+08	2.26E+08	1.65E+08	1.3E+08	[292][M] <sup>+</sup>	48
2281022	2788755	2408333	1848295	2459680	717078.3		9
3334282	8252499	11963849	16028369	7069247	7254275		1
3105194	3194050	2128368	1507388	2465299	4988750		423
4428237	10304655	10920447	2987372	5639825	17428106		9
11740886	15216091	9464666	8614998	20266730	38401602	[32][M+2] <sup>2+</sup>	2
635648.7	205336.7	1626075	949688.1	479338.6	515789.1	[100][M+1] <sup>3+</sup>	9
1161316	1242992	1341419	1085872	840702.1	1209648		9
17863826	14727957	9286627	19159390	24839533	6977471		13
4247060	4772977	4480260	4873497	8110979	4841944		195
5157778	8097668	646330.8	5357106	10962275	15007356	[M+K] <sup>+</sup> 34:	3
5029951	5876153	3698662	3711269	5297457	3496820		29
286381.5	501201.1	186959.3	66743.81	143142.2	103820.2	[M+H] <sup>+</sup> 15:	33
1757716	1710585	677221.1	2305732	1003380	587056.7	[M+H] <sup>+</sup> 95:	12
28218988	27419318	27417205	19826240	24758937	27672923		272
1522246	2278600	2357273	1378746	1747093	811695.6	[M+3H-C2H <sub>4</sub> ]	18
1039337	955433.8	1808303	1985594	1346484	685802.9	[22][M+1] <sup>2+</sup>	2
14859460	12358493	8909963	11865309	17585802	21604994	[3M+3Na+]	81
322048.2	357717.6	289852.4	474285.3	70923.01	6592646		62
18607133	26644530	19691536	15058663	32881481	57995427	[247][M] <sup>2+</sup>	2
6069597	6021628	4974585	18231871	6067434	5852926		241
1193037	1511416	1465481	762132	1062320	716987.3		4
5678025	5131738	5991883	6614460	4792012	6757023		194
7938251	7003287	6270188	4968760	6072240	2552361		4

2464017	1737890	132193.7	1109388	768679.3	13669308		53
51385770	61597210	55629380	43554714	49310691	67862618	[861][M]+ [M+Na]+ 4!	57
818663.3	446700.3	710655.8	633862.9	643903.2	63086.19	[M+H+HCC	12
3.91E+08	1.78E+08	25997133	2.65E+08	2.26E+08	2.2E+08		21
830272	1058765	2301504	529863.6	695692.4	2883559		9
1242084	2905179	994005.2	1253944	4386083	3393235	[M+H]+ 4!	15
3086276	3138994	3677731	2442752	2478974	3163322		9
2537971	2987192	2763000	2066661	2218508	1262617	[693][M+1]3+	9
3363276	558195.5	1958688	1162813	2702994	0	[570][M+1]2+	187
7385592	7392138	8079606	6266074	6654013	3330664		4
657095	586874.7	539256.2	498279.6	235518.2	612116.9	[1455][M+2]+	44
11178565	11518859	10021284	8108428	9598885	33560259		2
3379948	2439417	2686448	2038924	2606302	3087652		41
844487.3	878137.9	595614.2	796043.3	699329.8	4606802		38
803139.1	920727	583315.9	521238.3	419508.1	472186.6		4
11145898	12982841	12080598	9081100	11041567	6175349		9
936063.9	1250820	2899247	1410579	1169874	1383033		1
1.2E+08	75195029	57757808	57857147	1.08E+08	49708014		1
330406	747075.1	494180.8	276480.7	690686.2	1183635		17
286234.1	274973.1	386620.6	39963.86	151441.4	596423.5		18
3476867	2593110	3810883	2674128	2582662	970239		384
3157327	178259.2	828302.7	1094935	3073201	1059428		1
82669230	74917874	69587689	86216118	91794382	72770905		2
4499105	7455541	6438336	23340464	37630330	2676635	[M+H+Na]2	15
1782224	2228728	1837184	2001541	3501242	14841040		2
1041119	2789091	1583729	731700.2	1597237	2673550		4
79726720	92150144	70626746	71941507	97178365	1.35E+08	[1395][M]+	2
692657.7	723997.9	639365.6	716110.2	495260.1	539112.9		336
1.24E+08	99613580	1.05E+08	1.26E+08	91740350	39432634	[1247][M+4]+	2
4358707	2585641	3878599	4164488	2326964	0		2
2890122	3555009	4662773	1496875	3153164	1688930		332
277273.2	419449.4	512242.4	370956.5	443989.3	354620.5		289
5451842	7135250	4677767	3699162	5258350	8021335	[1158][M]+	227
7576706	8601763	9882585	5049612	7265702	3065672		9
9208380	9689635	7239400	7498432	8939488	4364739	[1298][M+4]+	2

1447286	8724933	18807390	1026705	19106008	822978.7	[M+Na]+ 4:	13
533620.6	922055.2	835374.6	346859.6	623890.1	600140.1	[189][M+1]3+	4
648382.9	607132.7	456840.4	592110.1	631625.3	494509.9	[866][M]3+ [2M+3H]3+	35
3446540	3604366	3634715	5867088	4273420	2522258		2
1316868	474447.4	2117951	933076.6	1731645	9933262		9
748684.6	2968066	3026060	3180333	4346252	2206688	[M+Na+NH	3
1.62E+08	1.97E+08	1.36E+08	1.55E+08	2.14E+08	3.02E+08	[1312][M]+	2
3164338	3500806	2925747	2948726	2321012	4542771	[1427][M]+ [M+2K-H]+	12
3470872	2855800	2988691	2839093	3165598	1526647		4
694446.3	1552662	821865.2	303580.1	620817.9	423471.7	[281][M]3+	9
12065996	7967120	8349359	13861695	10738435	1402009		2
7490264	7769341	19320366	11488837	6150908	3376980	[M+H]+ 28	16
4355637	4574216	4331875	4582052	4290286	4235333		142
1548281	788582.7	965675.7	1240326	1646738	2711227		20
1335355	1665252	1130674	667200.2	1119323	1161153		9
447262.3	6.29E+08	481434.3	5.76E+08	260702.2	700034	[M+2H-C6H	18
7288229	6326586	4724918	6053408	6880008	1644727	[17][M+2]+	1
729191.1	851256.8	521094.4	586350.1	759117.2	635160.6	[922][M]3+ [2M+Na+2I	23
9470645	16496043	14255657	7263070	10847788	18000826	[1475][M]2+	9
11744.88	720474.1	129762.4	0	648529.1	678247.6		18
6195302	13963227	5907880	4109566	10166378	50168782		9
1669303	2308292	2430397	1568523	1482595	654060.7	[1140][M+1]3+	9
8650889	5849835	7594221	6772989	4792610	1470223		2
979274.7	251025.7	385628.7	469205.6	2925151	7064212	[3M+2Na+I	97
2884946	1943313	1055481	2373547	2601475	0		15
4530587	4028893	3827220	3331636	2706122	430955.9		4
1484000	2090554	1456269	1553713	1032084	2552518	[1425][M+1]+	38
1314534	2027238	1036415	905124	1094842	3618316	[M+H-C4H8	304
1042714	1005457	1292581	674007.3	978343.7	315881.6	[M+H]+ 190	8
78039404	77048564	7183890	6332707	1.28E+08	2.21E+08		177
4357267	4217144	2589525	4348539	3165778	1587174	[M+H]+ 35	20
1158394	1503953	1297257	1184426	781736.8	624297.1		476
5593659	7761619	7421818	6529313	4724266	3721344		2
661751.5	285459.6	1659542	354287.2	703767.4	2842125		9
2646474	2404092	2067928	1350095	2520121	1953187	[190][M+1]2+	4

1814237	1350517	1407484	931681.4	1344613	890984		4
6582381	6225397	5902842	1714237	20188618	5905527		380
406282.8	1767584	609329.3	375872.9	233996.2	217044.9	[563][M+1]2+	282
359396.9	1945472	66837.36	0	2253493	11976009		233
1180717	2533426	1204680	134565.2	1726610	3356098		1
27272781	30579943	14886214	26258248	25882684	32834041		3
6181121	8857812	6915127	6260593	10180794	6643771		2
3976406	4838681	3945238	3190203	4499228	3055573		9
2003636	3457770	3620491	1457658	2322956	786248.4	[M+H]+ 56!	46
2822320	2748530	1786126	4566408	6561521	3394470		2
2055274	1609960	2933637	977990.5	1426539	0		1
4686846	4819854	4758241	5351402	4456027	3306070	[M+K]+ 31!	257
5400204	5027673	5105271	5098469	5316552	5006918		400
2351113	338263.5	2180164	436879.7	1288401	3531795		9
52987014	37404030	38618442	31825600	29070697	2535448	[343][M]2+ [M+2H]2+ (	169
6426024	24745862	5801496	7975520	30855653	1.06E+08		2
2217816	1418605	2368912	1807790	1924192	8314873		9
1.08E+08	2.26E+08	1.54E+08	85788032	1.35E+08	75086243		1
19862393	6340342	2383046	16939128	6560644	7367084		6
2268169	1796083	1836321	2031880	3543120	741686.8		14
317002.4	622450.5	372363.3	482979.4	328223.4	2660790		59
1474106	1264127	697384	1235162	1469957	691494.9	[M+K]+ 52!	8
6327163	8948897	8324245	4654495	6779745	3344232		9
462038.5	1585639	1492267	176207	683423.1	2453889		9
2528671	2728349	2032729	1549503	2114606	2434409	[189][M]3+	4
1119755	81284.68	232988.7	136340.5	1338274	1041821	[377][M+1]+	148
954081.7	1424436	1188897	1210135	1221135	2152213	[59][M+1]3+	9
21064443	10855714	26362428	24219402	13385767	15377787	[110][M]+	211
968127.2	791838.9	771714.5	1562228	653792.3	1846032	[282][M+1]+	61
22996727	20798351	21040321	17462198	20392063	11420211	[654][M]+	4
1413098	1890491	9372917	1316207	1075799	1015287	[283][M]2+	12
12394164	18617186	16430555	9741212	12650887	7863791	[981][M+1]+	46
2000075	2355440	2433097	1806903	1995938	2562382	[291][M]3+	9
1889285	3544097	103475.2	888290.6	2058865	7992126		11
581726.7	2018322	1542336	103452.3	1169197	1130111		1

259201.5	218862.2	60149.93	56233.25	135509.8	418200.5		99
733588.7	986519.1	829804.3	594916	591822.4	4762925		9
414033.3	780278.2	195068.7	109455	382871.5	2975018	[M+2H-CH <sub>3</sub> ]	5
795740.9	0	922600	800055.4	1149313	0	[210][M+1] <sup>+</sup>	2
1933605	893514.9	9788954	3040202	692450.4	2843210		2
1555392	1211631	1257807	3272346	1432109	1160547		366
479245.8	1766842	512237.5	172453.6	393279	589005.8		328
3750895	4194722	3453827	2901705	3094756	2629456		4
372540.5	930408.9	153833.6	112746.7	336373.9	757270.1		9
0	723049.4	5223016	116245.9	788396.5	147410.3		46
3499435	4847885	3287424	2882992	2884536	15517952	[1147][M+1] <sup>+</sup>	2
82973085	60886324	7495963	11924542	79759072	8693266	[2M+K] <sup>+</sup> 2C	15
3629760	2588623	3932966	2121520	1420696	1400523		2
4047496	0	3543196	2852893	1221163	806473.9		2
2378503	861154.8	4349555	3215773	1385105	735662.4	[M+Na+NH <sub>3</sub> ]	13
3950657	3567810	2998222	3990207	2256055	16798656		2
24899319	6880455	19752911	25640961	20681156	6531801		9
2.14E+08	1.7E+08	1.72E+08	2.14E+08	2.09E+08	1.13E+08	[441][M+2] <sup>+</sup>	2
3672106	3342183	3364705	3226517	3381298	2922296	[M+Na] <sup>+</sup> 3'	201
1042500	808985.1	457291.1	747683.7	757702	1029485		4
3108602	3260622	2359999	2708353	1079434	2815561		9
182589.1	535288.6	421075	347047.8	271274.4	161507.8	[1026][M+2] <sup>3+</sup>	16
720830.6	701508.7	620688.8	168716.5	281389.6	321425.5	[M+Na] <sup>+</sup> 2:	18
508900.9	392593.2	461297.8	303535.8	275368.1	351590.4		509
2957376	3812736	641798.7	1093393	2961463	923740.5	[3M+2K-H]	84
24661769	27390612	21322386	20296326	24765955	22694248	[1147][M] <sup>+</sup>	2
11900759	5435446	8881817	6220418	6620661	178899.9	[550][M] <sup>3+</sup>	115
629676	233183.6	695036	183012.2	224603.9	7691.28		200
7831220	3865798	4829287	4061446	4211717	135239.2	[550][M+1] <sup>3+</sup>	115
7717506	7250192	7178985	8878475	7138149	6500481		365
1234528	939315	1933788	799842.1	1430122	1060989	[274][M+1] <sup>3+</sup>	9
1162603	1543799	1242103	565812.2	1186480	993294.1		4
4165431	3701032	3646972	3209995	3957295	2154210		4
7320699	6372579	2032765	4392098	8382866	7387475	[M+Na+HC]	3
12930190	32606538	6798682	5453779	9744886	1.15E+08	[500][M] <sup>+</sup>	57



19736336	43369028	57711579	20372141	15621908	35076107	[481][M]3+ [M+3H]3+	18
309799.7	422161.8	378287.5	781853.2	352002.9	249944.8		35
682023	1109785	1057379	866509.4	487004.4	344995.1		4
306745.1	697818.6	700743.7	362162.9	470181.7	0		81
1057511	5817916	1375670	3908263	4005749	1229241		3
1869743	2330262	708086.4	1004058	3429677	4861801	[M+K]+ 154	21
913265.2	1431512	1378428	754871.8	1293268	199403.9	[M+2H]2+	13
1329022	1964109	1122351	1230341	1917142	691195.2	[2M+2Na+]	14
4414345	6714617	4161905	3683831	3896827	4138342	[998][M]+ [M+K]+ 510	101
7833668	6104186	7061500	7852848	4921418	1560131	[1216][M+1]+	2
8088288	7799220	7751239	6117406	6964680	3382764		4
2.11E+08	2.74E+08	2.89E+08	1.77E+08	1.85E+08	444697.4	[25][M]+	39
1.21E+08	96748977	1E+08	1.31E+08	88842078	60200239		2
4459547	4268865	4157879	4355364	4142927	3863268		368
442325.6	930293.5	444502.2	546414.3	902169.2	2971296	[3M+Na+2H]	8
2322202	230427.1	2441519	1112378	2259075	1319838		9
58657092	19145970	7925738	68807356	8563622	18156337	[60][M]+ [M+H]+ 210	38
3281813	846146.6	646970.8	2220640	1231743	610657.9	[286][M]2+	9
9854913	6179055	4058000	4679267	8259122	3340548	[M+K+NH3]	14
105191.2	110832	61403.1	152610.5	77838.76	91466.35	[372][M+1]+	129
1400253	1782312	1662070	1174720	1272407	866729.4	[1181][M]+ [M+Na]+ 60	35
2984272	800236.8	4073905	2911979	4073494	4296609		14
3202410	4381934	3663191	2174904	3326685	2309093		9
3279302	2453955	1818410	2199327	1657785	127297.8		286
9037398	5308925	5879005	5378305	5119492	294674		129
616722.1	295578.5	770965.2	487998.5	46261.05	796585.5		17
8247121	1284803	6527015	5986989	1125221	47925471		2
21742719	11363883	1566264	16926539	4555883	6499445	[M+K]+ 410	15
3208586	3074623	3185692	3195676	3130264	2812801	[M+H]+ 370	392
932504.9	999517.6	720496.1	871158.5	1199235	0		9
3882662	8310356	5300247	2651282	5493255	16438254		9
1544438	1540949	1441221	1277613	1574202	774861.3		4
5743496	5251393	4406623	3718484	5701589	10737271		93
1778627	632357.9	840524	5046385	814055.2	3982017		9
113224.3	537630	169435.1	314974.8	577911.3	2321997		4

11237511	15331341	3564858	11819175	12511851	3384565		84
2948761	1599595	3685727	2349863	2043240	2729622		4
1.17E+08	95985696	98951484	1.14E+08	92111582	52512529		2
892742.2	990023.2	819096.4	720387.4	937554.8	1804296		4
366348	820446.9	1537690	632222.7	443140.9	1499668		9
1328098	4638288	3673520	869642.6	2209157	6756524	[776][M+1]3+	9
177030.3	213030.3	113484.2	135672.8	128827.4	704784.6	[126][M+1]+	285
937321.6	971334.1	1614318	139251.7	634798.4	0		1
405343.2	1042303	1506944	567132.5	702598.1	1298055	[940][M]2+ [M+2H-H2O]	18
737060.3	1075550	434075.6	445821.8	917418.8	2976204		9
2777619	1925640	2187726	2132427	2228059	876657.6		4
2312370	3228185	3813712	1904048	2786228	548100.7		9
1384343	1587301	1474796	1115126	920311.6	937126.8		4
335006.3	619168	724439.3	543769	673088.2	112753.9		4
371092.3	323315.4	266691.6	302689.1	384282.7	108967.9		48
3325483	3581689	3915968	2952225	2944862	2462984		307
3364289	4810135	2829975	1839099	3287524	6160051	[3M+3Na+H]	46
8609149	5955671	2115978	6154314	11207210	11864680		11
574423	1061865	876663.4	412094.9	623653.3	621566		4
1058091	1581508	2688626	420018.6	1020694	936424	[M+K]+ 40%	15
6488325	2815384	5770085	6427214	3188292	17477472		2
4652537	11876610	9774556	2720692	5759351	4692580	[M+H-C6H6]	18
2334086	1790664	5213852	2345005	3221522	721966.4	[1612][M]+ [M+Na]+ 1+	13
3946494	844394.7	2498739	3890900	4013480	4213641	[461][M+1]+	2
5523937	5670098	5430472	5325346	5564720	5212761		221
3.92E+09	4.85E+09	3.54E+09	3.67E+09	4.3E+09	7.13E+09	[1303][M+1]+	2
3721616	4063981	7386457	4866587	4848443	4492808		316
733744.7	1148602	911727.4	706565.6	1231654	754834.3	[M+2H-C6H6]	8
74894083	55670890	74604111	1.05E+08	61142072	52578311		2
5256307	4638445	4776425	7066624	13813588	4546195		414
609904.5	0	980562.1	518379.4	501025.8	0		9
1230920	1062926	1044649	1838757	1369012	1251067	[415][M+1]2+	2
2063986	964774.6	1530892	1802428	2932601	1261929		1
6388526	6689941	5284330	6343937	6264964	17176075		2
1125272	1290566	424069	593683.3	999970.8	1791756		9

11184442	14785643	14356767	3301079	14379765	14261362		321
54258269	6427020	12082606	7853827	11237449	21436430		85
526368.8	1094094	673753.3	472889.3	711997.5	1062239	[3M+Na+K]	8
1993764	1291919	1533261	539868.3	1296106	338379.5		1
1940251	922438.1	2039074	1010658	4328158	1947663		1
506641.2	958714.6	594228.8	575953.6	472632.9	404320	[M+K]+ 139	35
10283483	7878304	664943.3	7262334	8929091	12895132	[M+K]+ 549	11
3210612	3188183	2757858	2760782	2838788	2794835		9
5.86E+08	6.07E+09	4.16E+09	4.02E+09	3.87E+09	5.67E+09	[855][M+1]+	3
1232313	1844023	1346170	1148181	1335357	797059.3	[M+H-C2H4]	38
1727626	3337630	950527.4	2733061	2543208	1414584	[M+K+NH3]	3
325613.7	238925.5	240416	170247.6	146165.7	125067.3	[1224][M+1]+	23
320784.1	593199.8	249984.8	275778.9	352836.1	309305.5	[909][M+2]+	147
9688648	9212502	9417276	5527384	8768659	9124315		401
20588139	5685794	16483436	6509730	13791341	17059.88	[941][M]2+	150
2421812	2913963	2278835	1823112	2609451	5603178		4
981217.6	1205861	995780.8	1069140	1537015	5587633		2
1373251	2928157	2107066	1015153	2433894	4519259		9
88281249	47727066	68591420	89270324	46142126	8743280	[418][M]+	2
1227226	2724530	1600931	1145081	1607795	2944210	[M+Na]+ 59	21
550885.9	2001988	736038.2	163074.8	1201735	389612.1		3
11243852	6132579	16663239	11374397	6017643	4056723		9
3712956	2500634	3474099	5557926	3553051	3453875	[M+K+NH3]	253
6896166	5847224	6263498	5678485	7091261	5996290		410
3423350	4268599	4705021	1655767	2901050	1176430	[731][M]2+	4
1828804	2577636	1680989	2529299	1810554	5114217		2
4522090	0	1998959	4759842	1863652	0		2
226347.6	109060.9	437054.4	325902.7	1532290	294328.9		306
7442051	11500526	12579947	6913047	7360888	2896670		4
2608507	3862501	3766256	1818037	3101298	1802203		9
415684.8	295589.2	374985.5	230837.6	252843.3	84511.65		206
9477703	9519324	10864536	7732822	8017382	6195769		4
32278370	37342319	31937385	25837982	34019696	28089882	[2M+Na]+ 139	13
622799.3	1700711	1110890	416639.3	1645810	236056		52
1068124	160167.7	760656.6	308904.5	833698.7	0	[708][M+1]2+	262

5553746	2933345	4518324	3987817	5398380	6131615		413
3767629	741513.5	6645805	1366871	1465594	860664.1		9
344203.3	972045.2	243533.9	131231.9	448354.5	1728452		4
3036180	2595500	2205396	1754158	2640904	1453219		39
22345229	17106680	8269672	19376131	24635071	8156846		14
5344021	4785985	4823616	3297942	4065182	1993349		4
9447946	10175228	9608020	6896012	7827225	4548558	[516][M]2+	4
18744218	12161016	14615326	18294101	13183807	4135745		2
1156752	932706	1318238	883158.1	821020.1	280816.9		69
3824434	3896287	1091707	2049253	3998132	6412472	[3M+K]+ 1:	11
3322459	5551817	1915823	1288898	3114776	15921692	[851][M+4]2+	4
1374231	1305985	1267617	1150357	1167507	898217.6		4
3974036	3429264	1867004	2282236	2594205	2186147		4
5434585	1197709	4423275	5911468	4310910	1498823		2
365570.8	313155.4	660058.9	282896	357230.3	616188.7		89
1463634	2549375	2473321	1372042	1539959	467578.7		9
2279434	16805384	2204949	5164747	2252954	2233184		341
7261136	5865674	5793111	7288204	5553478	2763492		2
3367712	3928989	2772299	2638355	2636122	3080629	[M+Na]+ 2:	257
2179428	4053162	2316070	3047672	4653827	2425539		2
1186259	1301326	975672.8	1462832	452184.7	849232	[1362][M+1]2+	20
7564874	7821660	1366971	5404373	1831133	9136031	[M+H-C4H8]	11
16740225	3346054	2330559	11880705	11843822	2574805		1
663342.5	770205.3	870123.3	477967.4	497881.9	448815.9		4
6673706	5521814	5788194	6069031	4200817	6389197		393
3657379	559300.6	4067907	6991075	440919.1	449524.8		9
7264450	19287050	13533050	4995820	6644075	1875758	[M+H]+ 19:	15
2227820	2965475	2822423	1668457	2068798	1165276		9
468227	702313.9	3813767	4275629	632796	5975942		15
2537694	2148237	3357669	2690089	1457669	789226.6	[M+Na]+ 1:	93
41502325	58925709	64470448	41701191	45753575	63338360	[631][M]+ [M+Na]+ 3:	39
2172650	2698046	1344935	1367736	2495991	2103300		9
225521.7	142760.8	383311.8	570249.9	179328.6	259442		340
8002481	5966070	6798704	7503492	5477209	642974.3	[244][M]2+	19
12381676	2747459	11023936	11795336	10311900	10898461		320

4124887	3696126	2645739	2249892	2558531	1400374	[3M+K]+ 3!	46
10287499	1433849	2356968	15844013	500037.8	8973286	[M+Na]+ 2!	46
1351657	490286.7	266804.5	716727.7	1787247	2556334	[M+H]+ 35!	11
1545499	1082185	6591704	1843543	1095243	772295	[938][M+1]+	66
400435.2	954948.4	328154.8	116591.4	386912.4	1026269		91
3678963	4089028	3472543	2799534	3452425	2330553		4
1792573	2050345	1519084	2128880	2347015	9782355	[686][M+1]3+	9
6996702	6837053	4003912	5957795	9087888	6205494	[1361][M+2]2+	2
1267551	1343006	2002676	957410.6	1007241	0		9
4225965	4681114	5180976	4567701	6035486	8348731		9
3256814	1863175	3988888	3067457	3892792	252951.5		1
2307050	4086905	2834451	970757.1	2056945	2361234		1
4325341	498548.4	984415.2	3543257	5175758	14176897		9
1816868	1851047	1805914	1507154	1536263	758932		4
2353516	5320668	3862374	3518000	1274341	1067764		9
991861.5	4770963	5625310	1228979	4588311	16015404		2
7216451	7341823	9138969	4142003	5122020	6925335		317
12782167	10793117	378043.5	9655093	7212743	679790.1		52
9291513	9692246	10160729	7301878	8372097	5628106		4
2492852	4221393	2717129	2346549	3690519	7219876		477
4165793	4129249	4099557	5323130	6604000	5868014		2
942976.8	809797.8	1106814	6590443	388044.3	990061.2		1
475649.8	2388171	201056.1	1223449	2357095	505195.2	[M+H-C6H8]	11
586180.6	455038.1	2820846	502079.6	2751137	319231	[817][M+2]+	145
5332587	6472049	3137064	1004951	1804408	6378666	[2M+2Na+]	3
1979876	63807.22	3245018	4497603	2225318	4878101	[1385][M]+	36
2796557	2434843	2367903	1848000	2258584	277843.7		4
2160740	2224759	3342453	1319832	1443519	489454.2		1
5211341	6637288	7104554	30812833	488256.8	27844386	[M+K]+ 34!	86
11104836	10985710	15040416	6433831	18437399	972400.7	[3M+2Na]2	15
1777681	1152185	948800.4	1314252	672313.4	1581474		9
7890659	9502973	9436528	6134827	6360806	2963372	[346][M+1]3+	9
3795728	1699120	1835681	4065264	1361737	1638341		2
2345660	2667958	2275921	1936160	2128147	943066.3	[M+K+HCO]	13
1329619	2103650	2132411	1468780	1480434	1070424	[M+K]+ 41!	13

965559.3	1205162	3756193	636818.3	845392.3	232887.5		62
1064335	1099775	2132456	1885209	1449857	456271.3	[1474][M]+ [2M+2Na+	62
22841632	24141411	24230063	17181579	20743775	15988443	[647][M]+	110
3609777	3335249	3072214	2158713	2847398	1359272	[156][M+2]2+	4
1602535	2923377	1107885	2205364	1203398	1917351		4
709161.5	933337.9	535019.8	687195.6	1015127	1581034	[M+K+NaCl	8
5515392	4930284	5017553	4661765	3638479	3303511	[1392][M]+	99
389190.9	633864	659422.7	496285.6	270471	152049.6	[M+H+NH3	35
1771325	4334821	2518102	1237799	2814663	9943047		9
2778648	3036477	2761107	1811083	2164186	1371790	[M+H]+ 29.	110
1049224	1606578	569064	186361.9	652284	832742.7		4
815369.7	1623684	3484945	543335.4	1332799	2304944		9
6031556	8144191	6101875	4349871	6052032	5231654		9
5181607	4814134	5076649	5427197	5392908	1317582		9
2843636	3447146	2664579	1350595	3979947	13115660		2
211687.9	159094.1	203405.5	184409.1	173401.3	222708.4	[1180][M+4]+	17
642707.3	410720.4	472954.3	825577.6	622307.7	0		91
302024.8	184143.3	376806	289864.7	273340.7	131700.9	[M+2H-HCl	28
3798113	2639321	2750581	2609298	2029826	706447.1	[650][M+1]+	4
2050430	7137857	3581234	1175006	7381217	9558343		2
3924947	6591587	2008558	2865587	2109372	3847426	[266][M+1]+	149
2073105	1.62E+08	33171327	1132508	1.27E+08	16172990		11
1159531	2424859	1709718	2970247	1281130	1053869		38
1683729	2615114	1460975	1235519	2008205	4142708		2
535180.9	584294.1	5430235	382820.9	759723.2	0	[M+K]+ 31(	46
1945675	1020049	2368502	1895484	2616663	970398.4		2
292246.3	248025.4	231080.5	247138.1	186685	142482.8	[823][M+1]+	210
2140068	0	1937302	2191319	2513715	222679.4		13
885923.4	2104813	656050.6	1060107	1499098	1706673	[M+Na+K]2	14
9779049	9605863	4800394	9756806	9180606	760589.4		2
548097.8	1032877	819424.9	399662	421853.9	168807.7	[3M+H+K]2	12
4533785	10423549	3240012	3566713	10337943	16477013		2
43289.34	408566.1	605548.4	218049.5	347497.7	254137.6	[1037][M+1]+	18
2831176	500886.7	2483845	2023691	3140300	3377180		93
12865854	6940025	14734070	15600903	5962605	7564068		86

58559972	41642262	50124647	50309585	39578560	9213087	[1624][M]+	2
2094087	3063002	3108111	3107412	3143216	2839833		346
1677541	2162524	1956732	1368868	1886298	841019.6		9
292872.5	753467.1	174208	199624.1	202196.7	199192.3		32
4394445	1634582	1610965	439589.7	3269249	8407966		1
2446047	2517960	1624280	2171929	2407487	826647.4	[644][M]+ [M+Na+HC	26
10719173	8728161	8234166	11796182	10062241	3603823		2
3487080	8845993	5936053	2822068	4378123	1922566	[M+2H]2+	134
5807970	3718020	6452856	3252226	3650809	566953.5		1
9903689	23602120	13780136	5902250	17869648	71794813	[736][M]+ [M+Na]+ 40	8
395137.2	712902.1	998976.7	540094.5	278271	259926.6		4
12039616	1.25E+08	1.57E+08	17850003	24860127	77980348	[894][M]+ [M+Na]+ 40	20
3021088	2750297	3501432	1918242	2650551	2266706		482
1536605	2498165	2066849	772158.4	698767.3	2077163	[M+2Na-H]	18
10516509	11117261	7628421	9617780	8828770	5546901	[317][M]+	161
2300637	2142218	2389129	1976559	1799216	533287.7		9
1687231	1928129	804748	856029.4	1279046	3349810		1
1251716	939883	1686632	1139243	818006.8	339327		4
8318062	8215716	8001428	6417673	7155335	3121923		4
10373654	15217203	13840473	6494933	13132224	22233035	[3M+H+K]2	339
1761000	3073871	1007475	916014	2432790	1574569		2
26682932	34257251	23556649	23656632	40727311	52902926	[505][M]2+	2
4398177	1090778	1215399	2138656	3387157	22803256		1
19446061	19309160	18380200	2996386	2213335	1657126	[M+2Na-H]	226
415575.6	0	240228.2	304315.4	507170.2	322671.5		9
2514000	2751408	2868085	3717464	2344034	1296313	[1271][M]2+	7
11556296	5632882	14209938	14621129	14006389	2247580	[118][M]2+	1
1040022	810988.8	968226.2	790694.2	902412.7	211664.2		4
284945.4	467295.7	1149207	165234.6	546293.6	386235.9	[1542][M]2+	39
159253.7	186784.7	274316.6	200620.7	335489.7	612404.4	[M+H]+ 80	18
38752836	40536337	38964375	42366846	32327727	19429846	[1606][M]+	2
257560.6	790091.4	726508.7	198983.4	278398.3	166058.1		9
1054463	1138550	444240	490573.8	1246320	1788556	[3M+H+K]2	8
12384484	13657553	13407471	9629838	10928199	7758443		4
2626779	1463132	1003398	2320564	2418992	5417133		3

6129580	6571386	6448060	4734902	5546330	4019798		4
24560761	28177580	25128656	22208523	24144310	28966473		2
3225703	7009893	4041389	876126.4	5124800	22969615		2
16327425	7755245	9912014	15273567	7422331	151111.9		2
5935731	6330949	5984888	4879599	5682290	4194874		4
477394	392704.2	560820.8	1675029	137153.9	156147	[M+K]+ 31:	16
998617.5	1259332	1022427	891501.5	2377615	8102548		2
26475128	32751581	23659032	18402337	22839153	48272766	[1302][M]+ [M+Na]+ 6:	81
5488848	10829626	11221207	3729320	8904786	10346148		91
2570644	3459376	1532945	906842.8	2468796	1783704		9
539696.4	270348.6	331954.7	405843.4	364989.4	80891.23		91
1265065	97083.23	625928.9	1177421	439019.4	86301.33	[M+K]+ 72:	81
2255153	3722415	1935861	1983297	1247047	5903015		97
1642104	3340661	1898931	1129977	2296283	5529900		4
4272612	4544227	3389206	2128282	4539851	4715736		87
1591326	144640.3	120620.9	1239767	1325108	1014641	[M+K]+ 190:	136
6724141	5924946	6647162	7375771	5875391	1237782		9
1500383	3949046	2028458	1007026	2441582	9047297		9
15111303	10805125	10118895	8869053	8149995	219599.7	[M+H]+ 430:	169
871548.9	1282486	186955.4	788570.6	0	3108632		29
6560219	8642685	9127117	5744084	6462855	2633575	[840][M]+	9
3476740	6022703	5972869	3254066	4463888	1470056	[M+3H-CH:	13
2917807	645717	3642908	3408034	2596118	5052065		470
1535459	1914857	116528.1	1081307	1404247	7411349		11
2236000	4093617	2227467	2236610	3712606	5191408		2
13048853	10006582	13252168	9068465	10376178	2182054		283
1356242	76119.73	250932.3	1249345	1327295	0		9
380681.9	242176.3	240537.1	465984	272968.7	0		212
1177698	1023849	1190060	765105.9	881069.2	454960.2		490
1677873	1431315	6169087	2331996	818021.7	328149.8	[837][M+1]+	19
2746251	2831773	4125641	2521232	2289292	2270347	[M+2Na]2+	18
232036.4	156155.7	157808.8	111733.9	380823.5	326604.5	[199][M+1]+	276
806259.7	1076351	1085856	679116.4	724407.9	3783444	[732][M+1]2+	9
5596842	3630915	4265060	4432257	7688234	3108126		190
716054.2	864311.4	449624.7	268402.6	1105712	2083155	[M+Na]+ 8:	38



7492504	8088798	7208442	6135491	7190730	5476740		4
3848832	4796352	4436592	5851427	9802977	4503095		1
3901472	1663253	2495482	3554396	1326967	777972.2	[1423][M]+ [M+K]+ 739	38
2261135	1620829	1693931	5584360	3806267	2945200	[M+H-COCl	14
12517009	22971603	8321182	9139167	63695542	31873000		3
6693549	10185477	5611541	3427389	12866913	31394087		2
14629961	17866275	13226424	13604863	15644534	11820684	[1258][M]+	2
5345890	7346087	3518885	3056147	3869289	9669207		2
50550601	38503592	41309985	48089012	34048520	14076045	[799][M+1]+	2
459595.5	1053813	706998.2	691233.9	508841.9	969591.4		9
1306869	1825838	1154690	1601052	1708845	1219175		39
1.2E+08	98430525	21237968	1.08E+08	1.05E+08	1.21E+08	[643][M]+ [M+H]+ 394	41
19986076	25538066	18739800	13807341	16840252	19633956		1
1062857	112860	522802.2	782851.9	139313.3	692188.5		104
1717624	1539227	1253542	1401295	1193327	6864067		2
6907121	17092369	5692114	5263298	11178342	26095788		15
1015576	218320.3	1418574	1371874	1448413	0		2
2004073	2242781	2004606	482727.8	1598453	2946792		2
9869819	12495548	8078342	7483272	15883916	28769395	[429][M+1]3+	2
359913.2	786745.5	358969.3	253709.5	616861	2081306		8
508279	1236396	355433	242923	765846.1	1223497		18
10740624	8852846	10014028	10220340	7736610	4671126	[1320][M+1]+	2
1739100	2733825	1816529	1589299	1125585	548551.6		52
7128331	3382272	3010494	6735507	5597547	2444769	[M+H-C6H:	14
6593716	9804941	8208527	4450270	7423669	9995112		9
649069.7	1089645	904950.6	647563.8	840640.9	1180215		4
2292332	517269.3	124940.3	1320674	993874.8	915706.2		41
1165443	1109632	1363098	725989.3	1433159	438267.8		33
1199582	1748339	1233052	476612.3	1153055	4665246		12
5279117	1679273	3585140	3096003	1488606	1420254		174
709688.4	1031980	510753	576778.4	918403.6	900455.3		9
1067541	1280536	694744	1033061	485742.9	1201745		496
2563062	2574943	2374066	2783617	2051102	2435026	[77][M+1]+	200
1434334	269948.8	1800071	2158754	1339155	0		9
2.48E+08	2.63E+08	2.98E+08	2.23E+08	2.45E+08	1.91E+08	[M+H]+ 45:	16

11772001	15793555	5.72E+09	4.93E+09	5.37E+09	4.6E+09		1
19239435	13846314	9299157	17525262	16260680	8811910		2
987710.3	2807806	1280252	328558.6	1575975	7026463		9
622160.3	535629.3	786853.6	781715	512972.3	142902.7		4
6901520	6954252	6102823	5267489	7001555	5362682		9
1004147	840135.8	1255811	908346	800649.2	526143.7	[1462][M+1]+	69
6872638	13209934	11604842	12251799	11780655	4831052		310
4302940	4857084	4622970	3622336	3437969	1653320		9
4705744	7339664	3554803	3920996	5158728	3916428	[399][M+1]+	2
543150.2	1470301	632092.1	84169.84	900482.1	5919339		9
7115957	9391027	7526549	5032869	7736145	7579341	[3M+2H]2+	13
843950.1	1608639	1803749	884182.3	764954.1	1672841		4
1598876	4175983	2050782	1059670	2589140	9128444	[1140][M]3+	9
197183.9	1045778	300913	150714	209975.1	178676.1		45
2711562	7340020	9709457	793657.3	2554050	6677714		18
3624876	1768986	4735010	3030758	3533755	116889.1		1
7733589	9297496	5683386	3289978	8750659	9477877	[M+K]+ 40%	3
1191413	942103.6	1134392	1660052	696231.4	54181.35		87
124464.9	131569.4	80479.38	184402.4	110731.3	88656.18		384
9808537	7831406	352236.5	8171973	7496697	14383822		2
4986634	2682798	4139207	5830295	2956550	7453616		2
4358830	2799842	7839948	5708188	3005157	7648263	[571][M+1]+	136
339552.4	889945.4	699278.6	741543.3	371335.4	823496.2	[M+Na]+ 7'	16
10153207	6316034	4102800	5903009	7911974	1503810		1
19329730	13580731	15421531	19249781	16006228	5695960	[45][M+4]2+	2
2176894	2288095	2422692	1839365	1875172	1139011		4
1553470	1362521	1476115	925694.2	1119418	954430.8	[176][M+2]+	4
526571.5	650760.3	763122.1	949106.3	529972	412841.6	[385][M+1]+	158
49391707	54243659	41844917	43409833	57404970	85147871		2
3612792	3581929	4965497	2955575	3031150	0		9
9290549	10304499	9413892	6865988	7693085	4888863	[806][M]+	4
431367.6	621803.7	822902.8	628434.5	566517.5	373046.4	[1539][M+1]+	338
721886.1	1184750	939822.1	496919.8	623090.2	596439.6		9
2955643	4458325	3969137	6744239	5334513	1622350		2
1439224	2504991	997964.1	464140.9	651243.1	2847781	[315][M+1]+	61

664352.4	748386.1	2091310	562901.1	609729.9	1673455		9
927560.5	1113577	1272724	820165.6	825193.5	538062.8		9
3995662	4363056	2831078	1806289	4514872	31567023	[1154][M+2]3+	2
57624389	3875897	61232877	2584150	47492146	1358022	[M+K+HCO	46
200136.8	51580.9	533159.1	506543.9	588103.6	801771.7		9
5900139	7872125	10551470	2284766	3035894	21274868		1
4646589	5586156	4327786	5092722	5608860	8317509		2
1.21E+08	36597915	43952817	71207523	6035616	1.03E+08	[19][M]3+	1
5295361	2430572	4706529	5429658	3016374	898676.8	[47][M+1]3+	2
453861.5	180503.2	177650.8	412762.8	131052.4	953156.6	[M+2H-C3H	33
2626403	2152101	1201410	2616033	1030944	1813178	[1011][M+1]+	46
826162.6	1401247	1846714	581710.9	1030987	1587089		9
8935753	8626348	7048187	8688895	6237888	20061679		63
1725478	922492.1	1850107	1327848	1052594	356278.9		1
87782061	62039240	73691971	89838607	72195434	27236260	[221][M]2+	2
2121095	1555132	2279920	2919873	5614583	2554895		6
736481.7	265779.7	820939.4	849480.2	590436.7	727528.2	[M+H-C3H	189
2302411	1797429	1060806	8072233	1364673	430715.2	[302][M]3+ [M+3H]3+ !	159
4424639	1947909	2122236	4173550	1616492	2074676		2
2289209	2791060	2945529	1793921	2439994	676819.2		9
4283236	4468313	5475103	8145489	4286771	5409612	[50][M+1]3+	15
5779508	5124734	5270309	5748768	4566263	2681139		2
24749439	23635416	20991295	12608055	11824441	16852742		2
737952	599340.5	683646.8	265696.4	1240886	324102.8		39
2384921	653310.2	2552781	2372549	1677107	2696515		2
1229563	325287.7	2675017	503230.3	1059128	1131638		9
1131521	279948.9	484481.1	216085.9	1437690	435478.7		1
853182.9	1325966	1145021	905340.9	821449.4	90360.47		4
22143525	23053036	26363745	19984420	18909895	6178715	[1025][M]+	9
1333082	2701787	2709667	297211.9	3512423	1160946		15
9147793	10276928	10467284	7308046	7623658	2824745		9
7127808	8353867	11670428	6755580	7877657	9800645	[621][M]+	9
5602331	4922344	7498294	4657637	5659251	2315084	[1324][M]+ [M+H]+ 700	42
2284687	1978510	8588470	1850934	1961008	949905	[771][M]+ [M+H]+ 440	44
11735016	12955564	74308558	11102176	11680912	3454435	[M+H]+ 590	46

9414499	3238045	8706932	13358234	8682062	23164594	[698][M]+	203
443693.6	509293.3	301464.3	357961.1	443614.6	668675.3		33
896513	1142514	885508.9	855214.9	763741.8	996452.8	[M+K]+ 13C	134
2706005	2803478	2896901	3599827	3213516	461662.8	[1384][M]2 [3M+2Na]2	62
1790409	1064917	1094811	1295785	1473365	493184	[1239][M+1]2+	4
2967925	3586595	4375038	4296872	2866052	2781353	[M+Na+HC	398
373964	1179512	294037.9	844281.6	615290.6	292544.8		41
2256553	376890.2	2364738	1816068	2774287	3715961		2
305272.3	425742.9	271681.5	1341341	242082.2	98740.46	[154][M+1]+	288
7766296	6370911	8048167	6699391	5888009	2091934		9
2342348	451291.2	2280213	2244508	1747591	0	[3M+K]+ 13C	13
1050826	1010944	1394652	838930.8	1506666	1101553		4
262224.2	452577.4	283101.8	354740.5	298790.7	181551.2		91
1105377	1181645	1551974	988685.9	1621505	966934.1		9
610340.2	403218.4	495286.5	545121.8	543692	435960	[1344][M]+	24
5092087	4009681	2529514	4369059	6941847	3699498		2
435585	810324.7	432697.5	444854.5	418149.8	656827.8	[3M+2Na]2	16
1666743	2856516	1296792	922703.8	2111129	2494554		9
802266.5	1708383	932872.2	163360.9	1464722	2623074		2
2922336	5045973	3417692	1877931	3206019	7317384		4
1033277	4860023	1018349	6682365	7258528	305291.4	[M+H+CF3O	28
275333.2	364574.4	642170.1	68210.12	322383.7	653584.9		18
3690538	4160243	8334763	3227290	3833706	6846711	[1382][M]+ [M+Na+K+H	38
538462.4	361340.7	585146.6	1876781	152496.8	419035.1		292
2882559	1082973	7720723	2913122	5082268	2766517	[M+H-CH4]	257
84917210	83739469	96890177	1.21E+08	93721446	1.1E+08	[697][M]+ [M+H]+ 41C	83
1150428	1043657	783788.5	1950789	927070.6	1585961		20
1167322	956045.4	918487.5	622272.6	1058867	0		9
527079.9	294195.4	417760.7	615199.9	511049.3	45263.78		91
1425364	1613667	3337593	1038550	992829.4	0		1
10787704	16404367	18583149	9253012	8477809	2458548	[194][M]3+ [M+3H]3+	20
536494.4	368928.4	636801.2	343474	389798.1	370630.4	[1614][M+1]+	33
227017.4	187597.1	317707.1	292492	290134.5	321390.5	[896][M+1]+	22
272867.2	878377.3	1354877	0	640085.9	4196042	[1294][M+2]+	1
1430667	5634978	1017825	1261797	1369481	4894950		2

849571.2	1651991	1132511	529040.8	770261.1	775671.6	[1598][M]+ [M+K]+ 12	62
2269896	7496635	6138270	1670453	4080309	9594174	[1458][M+1]+	9
7059716	4916320	5227144	4707633	3547919	185643.5	[636][M+1]2+	286
509321.1	922733.4	441675.2	441263	812463.9	3157795		8
2863645	3636955	3060996	2333886	2791128	2670152		9
7232624	15045963	12838878	4367886	6966786	6685339	[M+H]+ 29	20
3186727	1608366	1933692	4081314	2375249	0		2
10241064	11187622	8836398	9538733	12299595	10150695		2
458101	815980.6	342309.6	240006.4	491829	1096494		4
8181467	3589529	6960623	8240881	4003898	845636.5		2
1541099	2801222	1048627	1932409	2004166	1360738	[M+H-CH4]	11
8388094	6607865	7869736	7410113	9323199	12346728		2
6346486	4114795	2238506	3999421	2350141	5875214		7
1579234	1682921	1157431	878481	1243696	7663219		2
448133.9	769380.6	488610.9	306454.9	896519.3	1293462		9
839060.2	786906.7	646494.8	386106.8	667372.1	170852.1		4
13211279	31662655	24898722	12512380	19066323	8936109	[M+H]+ 73	134
639437.4	597968.9	687298.8	175799.3	682078.1	1072236	[1472][M+3]2+	38
517380	2224617	225788.8	2195109	216728.3	2023836	[229][M+2]+	108
10787688	8608572	8408596	11889219	9835214	4283299	[224][M]2+	2
1282038	2456784	1048857	1293668	2631649	9125856	[M+2H]2+	21
3732559	3324587	4231489	2771445	2939106	648657.1		9
708250	2252135	530015.8	228440.8	690054.8	219052		11
2315280	3125931	3538380	2081239	2514085	443384.7		9
1150734	889797.9	1136026	1119985	965603.5	82272.28		4
2012592	6177723	1469234	29402718	3524346	2320463		1
3869799	5111737	4062220	2976982	4565526	3212148		9
5700899	4602310	6117184	4777409	4831555	4846429		321
1141139	1056652	1037933	792795.8	1057879	4491518	[3M+H+K]2	41
5592600	4132514	9495283	4319917	5840803	571526		1
615505	1842160	522699.1	100644.4	1163881	4008636		9
1311075	1494302	2833863	699498.7	1454123	2850544	[124][M+1]3+	9
631053.8	922963.2	775690.6	570362.5	620411.5	0		9
1217301	3292602	2137876	2572317	9356040	12287160		2
939125.7	1167648	1523367	880970.5	623762.9	2156895		1

2952750	4258255	2917640	1936200	3062903	18632275	[433][M+1]2+	2
1176308	814326.2	0	1257723	1705857	0	[3M+2K]2+	6
58736.04	193445.7	32044.08	136297.7	155732.7	634257.6		44
2795116	4949855	4102712	1836728	3062461	3893796		6
3866311	6834242	5051358	2820911	4477323	9756086		4
305131.6	1697229	1745090	56239.94	464859.4	490005.2		41
1140280	409840.8	2056675	1606378	1201189	0	[3M+H+Na	6
9039227	11527237	9636599	7482528	9584730	14911378	[861][M+1]+	57
844301.6	784824.2	739455.5	1069661	769938.3	368588.2	[1290][M+2]+	235
4311842	1260664	200538.8	1675711	4729553	23019569	[M+Na]+ 1!	21
224069.2	3006455	3017708	2543975	68648.35	2002551	[M+K+HCO	86
2840905	2937282	3122257	3175186	2754830	1848424		386
1373383	1393430	795570.9	1001630	1097007	4049328		9
3576355	3344966	4559454	3551976	2504590	2447783	[1512][M]+	168
54908963	35119692	36031273	27318369	28345907	22928178		15
6966934	534682.3	14511952	5124486	17908819	13714234	[2M+3Na+I	6
3674530	11828420	4297748	2105715	5856036	26168470		9
2190027	2180162	3291031	521524.5	1848827	333775.5		1
3765810	8946900	860750.7	4719222	9832488	9664571	[M+2H-CO:	3
247029.3	144564.2	176367.6	216240.5	1574309	180667.8		32
5765403	3428699	4388258	6319120	3443935	1543656		2
16525573	28813648	19355355	11357117	19291698	54749694	[711][M+2]+	4
7323564	7485305	5313328	5067606	5807411	7257648		2
1578304	4234021	2033146	903471.1	2560877	9249177	[1134][M+1]3+	9
723184.7	173019.6	573535.4	418968.9	512519.3	298038.9	[M+H]+ 36!	51
13586647	12118048	14727237	17994144	4528135	11776627	[1440][M]+ [M+H]+ 79!	35
387918.8	690242.1	1348806	338658.6	417580.6	384869.9	[M+H-C5H8	8
547911.1	690867.5	839054.3	577484.5	383504.1	0		4
1764968	1053537	1056811	1304347	1489043	240231.7	[1256][M+1]2+	4
579189	1368879	693748.8	318581.9	932636.1	1623693	[475][M+1]2+	4
7614368	12082746	9837508	5723832	6341304	22426181		3
2072951	6229338	1491451	1242760	1531086	4877767		212
11734436	12037470	11302478	13072915	12256690	3824603	[605][M+1]+	13
1.66E+08	635445.3	1.61E+08	1.22E+08	1.16E+08	1.18E+08	[754][M+1]3+	1
2399460	715865.8	2969578	547831.9	1425911	0		343

865480.6	236536.2	135795.5	379756.8	1511065	167144.3	[1422][M+1]+	367
5982258	11074283	10366658	4013809	69687819	6062035		1
3953007	3064979	773628.5	3570718	1677321	16092019	[2M+2K-H]	6
76472872	1.22E+08	63473963	63000078	98676373	2.13E+08	[M+Na+NH	3
945640.7	820841.3	523546.3	669862	565399.1	0		9
914317.5	1764759	1361961	748590.2	1681410	771758	[M+Na]+ 3:	3
10873502	16783543	11568001	10190075	10354427	32044870	[M+H]+ 52:	15
657705.3	1216733	1220043	514097.1	759032.9	328632.3	[M+K]+ 34:	46
1.07E+08	1.17E+08	56104528	47213738	84768697	4.39E+08		87
564304.8	156153.2	1380420	286728.3	723100.4	749536.1		9
24278994	19858573	16553312	21326229	22329535	37925635	[352][M]3+	2
2482895	1796806	1974721	1864750	2217117	1655980		4
5508984	6685038	6388664	5246926	5116158	5093883		314
691745.1	292395.5	351262.2	398280.6	282345	163590.7		91
3053318	1407851	2058084	2539410	1077354	14968572		9
6370145	7218607	5997798	4450491	5461862	3879828	[428][M]+	4
685214	3376364	1224443	1380302	3201254	2048893	[1144][M+1]+	96
3946180	2220768	1573642	2626186	2809732	650975	[M+K]+ 38:	15
3110974	1192578	58940.97	1624819	1237432	865605.2	[M+K]+ 21:	41
20646791	19160188	11133459	11408851	5963304	21250699	[M+Na]+ 5:	58
3165373	2548746	2423749	2898728	1875196	2020988	[1351][M+2]2+	2
52165373	64600252	39581498	31659743	78719916	1.64E+08	[425][M]2+	2
843678	0	1211771	1496984	1223595	0	[M+K]+ 15:	13
6263638	8868428	8210192	4928492	7233043	3366069		9
526997.1	1393202	928560.9	358580.7	741630.1	2602801	[M+3H]3+ :	8
38766597	36085789	35760769	33709419	30099751	12563573		2
7888098	3814184	2954345	4791475	5663339	6410226	[704][M]+ [M+Na]+ 3:	41
998702.8	1214609	1469030	842050.5	941654.4	316821.7		9
2614768	4375855	5068335	1736295	2551029	1539702		1
666265.2	1363796	623265.1	752047.4	1233166	3558531		2
7598525	4286835	6867089	8501028	3395627	1973501		2
4542661	8039797	4589008	3501661	5992688	23005947		2
2781524	2467261	2641800	2030289	2352986	1140343		4
445134.8	351806.7	538884.2	251260.6	279783.4	229951.9	[1318][M+1]+	134
9574693	9465580	19219307	72970702	15371494	10879559	[1244][M]+	163

3764873	4420918	1619579	795271.6	3472870	2654203		4
814505.7	7818372	1109532	441791.7	210229.8	1131813	[566][M+1] <sup>+</sup>	240
15920449	20162009	17241083	12217884	16008919	12289617		9
8643916	3136071	3020699	2669702	2837584	2582074		417
1889450	1582490	1405752	3807057	1395935	2352539		1
1207234	2055662	1625737	3673921	1033534	3921023		2
937525.6	889617.6	1364097	816875.8	815800.3	938422.5		9
715405	596010.8	675233.3	267794.6	486976.5	135466.6		91
1437410	1840133	1578215	1646389	4452034	17894613		2
944418.9	6736259	158896.9	5810658	5943365	10510790		52
734728.7	53363.51	547177.9	514154.7	484164.2	648796.1		9
31804757	36838471	32281891	26185444	33729192	27914566	[2M+H] <sup>+</sup> 1!	13
12371335	8695819	20574586	20055420	23762844	5220704	[65][M]3 <sup>+</sup>	1
6231893	3565241	4156260	5276853	3736711	929470.3		9
4428012	4586746	4277668	4254337	3354215	3116318	[1432][M] <sup>+</sup> [M+H] <sup>+</sup> 78!	64
3630113	4655489	3942906	2389237	3708498	2615600		9
406584.9	561711.6	125244.2	260799.1	1148621	5702076		9
2760445	1744992	2254923	2152382	1839194	1494303	[1153][M+3] <sup>+</sup>	2
6371913	3296979	2872354	6305587	5158817	2394518	[M+Na] <sup>+</sup> 1!	14
49155369	42870709	38486027	43354027	53934686	42221197	[1311][M] <sup>+</sup>	2
754124.9	2362277	1912151	1676821	1423697	1860725		20
5391219	3664998	5029659	7944829	2677824	1549565	[M+H] <sup>+</sup> 10!	97
1640567	4275087	2390665	872644.8	2667700	9116401		9
3909692	3356771	3691156	4143463	2733422	2268766		361
1218450	935484.7	1934268	1098910	503485.5	768460.1		9
382682	1244675	245418.8	75496.55	1392150	6423629		9
9785973	10764570	10245634	7601295	8641477	6128725		4
200663.5	179590.2	295471.8	305133.2	235719.7	57880.99	[1178][M+1]2 <sup>+</sup>	169
1162235	1054424	1073340	511737.2	1141716	5688068		9
774912.5	553148.2	2297399	683264.1	410833.7	779013.2	[M+Na] <sup>+</sup> 4!	44
3742710	3488157	3468839	3512660	1122616	2826420		9
5513747	961941.4	7837802	3560546	511888.3	1448244		9
2453082	2619740	2657482	1689285	2133120	890376.9		9
613040.3	975326.1	493106.9	503506.2	623212	529178.6	[546][M+4]2 <sup>+</sup>	4
2955325	3981646	2045838	1265392	2210802	16170348		1



480874	114037.3	924114.2	1045588	2357533	30321031		9
5813341	1596056	4284920	8125458	9222380	4093457		1
2016148	1235181	211875.4	1112870	1105327	8888607		4
28798017	11729130	6716247	5474538	25098166	5996051		15
846153.4	976025.9	1308044	632779.7	1553113	88081.97		4
4704508	4975839	6261031	3870733	4413813	4032915	[1460][M]+	79
9864076	17158566	2852908	2113223	13400432	59595817	[M+Na]+ 60	3
616993.6	443835.1	847978.9	1043957	687983.8	506357.5	[1431][M+1]+	262
16079527	2071610	18257634	16152374	14993050	13604112		1
9576530	7513287	9232823	8213369	6495562	3286725	[1581][M]+ [M+H]+ 110	42
959997.1	1137322	482809.3	600982	1091399	2198383	[M+K]+ 340	5
10707035	8348114	14026121	508339.8	25920858	8955070		1
756060.6	1593411	872086.6	236304.1	852142.8	944284.7	[M+2Na]2+	38
1202116	694423.2	894461.5	1159536	462826.3	417577.5	[1177][M+1]+	38
808625.3	1126754	720037.1	557955.5	812947.6	1421199	[M+H]+ 630	46
24278915	24344965	19022921	10603833	20439847	15840843		359
356661.8	670843.7	1278725	230410.1	488978.8	731696.9		9
65614.84	170864.3	38690.57	90930.25	142281.9	55816.24		224
55338350	59995351	58701202	59782708	48557675	40250457	[253][M+1]+	37
1113956	1158058	1183078	728055.5	927905.5	698553		4
3381012	3725242	3454543	2780324	2998616	1984449	[484][M+2]+	4
24397016	18498613	20067960	15827361	19017644	11349182	[650][M]+	4
2591149	3172607	2813668	691794.4	1362371	4139189		4
3203491	5970865	3910249	2077966	4454859	13724813		9
1286000	1226062	1260172	1010266	1122286	728994.6		4
1640904	1428342	1614224	1376235	3254184	6050883		2
16565479	8807629	20547606	19209104	8208836	10209170	[447][M]+	160
4861022	4751353	3976849	3854307	4401044	1965826		4
59704099	85155380	76183927	30996308	72915252	1.64E+08		107
13823872	22344260	14058917	9030108	15138381	70628280		2
4706110	6503511	4646892	3744168	4604826	1730418		2
1517111	1055375	676645.8	442183.5	974381.6	488775.5		4
20476112	6551425	5856995	18296203	12142521	1451805		2
6994715	14608829	16526818	4444921	12689445	1428252		1
2282311	4382472	1955337	1458197	15437247	768674.7		1

10616264	33624297	20194257	11360276	23758112	63138085	[725][M]+	9
537871.1	1309495	786945.2	363498.4	602453.7	512020.7	[1169][M+1]+	86
99070.32	75245.15	91190.64	124015.2	291554.3	26559.11		83
3434762	10934833	8312489	2416877	5732704	18122166		9
28130381	22063178	26267112	27968734	21696664	3746609		22
455132.3	547088.5	469211.9	113880	230298.6	295875.8		210
1651720	2034015	1416200	1078983	1776142	2348877	[1158][M+1]+	227
427221.5	581747.8	599665.8	173348.5	341887.2	401235.1		307
831856.7	1655809	1814918	565585.3	699595.1	1023493		9
866364.5	1612335	1472898	669210.9	1261939	0	[485][M+2]+	2
87492101	62144221	73798327	89869254	72370640	27516029		2
1548681	1471284	1368038	1261994	1151543	4133339	[757][M+1]+	83
1074882	508970.4	706796.8	1019364	896509.7	797266.1		4
1.49E+08	1.7E+08	1.26E+08	1.35E+08	1.42E+08	1.52E+08	[1205][M+1]+	2
668728.8	744274.6	806096.5	656057.3	363064.2	130786.8	[M+H]+ 32.	12
2840000	4693058	3884865	2832235	4549689	3022235		9
1291130	728484.1	2084976	1760681	1480730	546823	[1271][M+1]2+	7
1330573	1819855	2580808	740240.8	2120017	1714150	[1595][M+1]+	38
957907.3	0	312544.4	227358.5	2303385	9285867		93
438820	943842.7	1198058	419499.5	524929.3	104711.8		9
15137064	10221606	10281042	8842527	8612716	521970.6	[M+H]+ 64.	169
4606394	5989862	5258961	3709139	5164314	3556682		9
235983.8	437021.8	427927.3	142810.7	91299.13	342296	[28][M+1]+	86
5.18E+08	5.92E+08	5.47E+08	3.56E+08	5.21E+08	6.05E+08	[1304][M]+	51
368930.4	263402	498648.4	555236.1	283076.6	395252.4	[1596][M]+	154
8252296	7066545	3291587	1569002	8511999	6470118		1
3959377	1396328	1815667	2398374	2671886	1438595	[984][M+1]+	258
1329528	393257	3052606	1150786	595859	972303.6		9
4954598	33759597	634870.5	2030032	2802314	31621260		198
1655979	3339574	1805710	1147217	2139404	5495248		4
1659720	537573	1741922	463106.3	172078.6	952155.8		4
1470203	711992.5	672917.8	1468665	1174580	256331.8		4
2512655	822900.4	3693992	2419363	1763506	795315	[788][M+1]+	135
2153365	4030030	2438782	1364467	2611772	8121472	[711][M+1]+	4
443958.7	635006.1	296070.4	215586.8	806875.9	672131.1		9

4511455	8473757	5406019	3106958	6700607	16410565		9
1489615	1435383	2613397	604450.8	758299.4	949332.3		9
59969.93	522683.3	318739.7	0	823246.2	264218.8	[261][M+1]3+	20
1759123	1286325	1652926	1359079	997454.1	0		9
7753028	13229711	7781824	8481428	15409102	8234159	[118][M+2]2+	1
5114134	5548762	5508518	5240669	5282743	3494543		9
1761075	4129956	1970352	935997.1	2646840	9818981		9
2112727	3588151	2826416	2829542	2879874	7273473		234
3199826	2949242	2632593	2588770	1635425	2889509		466
383980.2	500914.1	570938.1	463921.8	376322.3	111579.6	[767][M]2+	246
1688662	1183774	929181.2	1641451	470463.9	646872.7	[M+H]+ 300	13
2699974	1588800	2498402	2906804	1386820	1636810		2
487803.8	500074.7	879832	743409.6	752738.5	781059.6	[1214][M+1]2+	33
4998768	4331886	4772542	5897140	4107605	1750641	[1290][M+1]+	235
852796.4	0	432831.3	878344	737525.2	579069.8		9
1112101	5988758	20053048	916525.6	2540536	3897736	[894][M+2]+	20
98398815	1.38E+08	1.29E+08	73009284	68824197	84309754	[1248][M]+	69
296765.1	628048.8	404423.2	402903.5	204693.4	570368.4	[M+Na]+ 70	16
3137607	5844053	5391059	14538369	1506229	7675976		1
1778982	0	276993.4	1034559	2240145	136616.6		1
19611767	22699069	17165588	17590624	23249696	31065412		2
1048524	1409724	1588501	605533	680253.7	222486.9		2
2051302	6457921	1752642	1661373	8752041	25088843		97
2849767	2772622	1685917	427222.5	1939305	2963211	[859][M]2+	39
2292348	1412724	1658772	1740159	1795967	3365732	[3M+2Na]2	13
651801	1216253	1273671	1251471	697517.6	593098.6		9
3155131	1904164	616606.4	2929155	353281.2	643028.6	[M+K]+ 130	38
18377348	16494475	23966080	11120256	13298596	7987353	[268][M]2+ [M+2H]2+ 1	18
3226103	2537292	2931098	3081532	3115587	691234.1	[M+3H-C4H	13
80816425	46824605	55899487	50205890	45292255	2257531		129
3044191	929400.1	2504900	3140174	938034.1	536017.3	[M+H]+ 77	12
12910801	9227798	17789401	20540027	24635662	5066030		1
6103014	6830054	7265430	3962976	6143961	2766331		1
164747.2	279606.2	105092.1	243437	158899	144125.5		338
290472.4	1137774	910951.6	550088.3	503609.9	686080.8		46

18761510	17093756	19462896	22033954	19063650	3692906		9
43612878	49321202	39708865	27187051	39669157	45223318	[M+H+Na] <sup>2+</sup>	42
1128464	1400041	3790125	4245802	5941304	5096995		233
1918369	1437370	2084763	4955852	1397900	1339777	[448][M+1] <sup>+</sup>	181
15102303	16274587	17274708	12129292	12901546	7992719	[172][M] <sup>2+</sup>	4
692815	687702.4	743849.5	870386	108451.9	522877.2	[M+H] <sup>+</sup> 46	309
1251992	625026.9	885917.5	1561967	1562512	774357		4
9051965	9187218	7853241	9174344	11586949	11099189		2
1068057	2462651	2209460	1317787	1334055	712925.9		9
11945118	12355085	13742687	11244591	12594800	3610718		9
1108875	7027869	1149367	2732113	3986331	9999433	[M+Na] <sup>+</sup> 1	11
1543564	2184256	2460325	937850.4	1128699	96304.1	[1022][M+1] <sup>+</sup>	9
272953.5	386716.5	365198.7	279066.2	832091.4	255630		455
21407687	23188077	7015282	8780368	12308830	15677022	[M+H-H <sub>2</sub> O]	11
541999.5	729232.6	1393867	564090.2	840568.3	282719		9
67667423	59391499	51401633	72954000	67372202	59026800		2
2271194	4286826	3667036	1733401	1335299	3200579	[M+Na] <sup>+</sup> 30	5
2063043	2444782	2022031	1704364	2129240	1610689		9
736192.6	1385637	525385.5	681487.7	1069573	1019316		9
6242677	2055517	5521422	5734578	3522171	18290141	[M+K] <sup>+</sup> 650	97
2431586	3307443	3145085	1729042	2324101	642822.1		9
288005.3	1122801	0	111927.7	241478.5	364670.7		21
3479305	3681583	3042970	3206518	3859884	6280332		241
5941908	5883994	6065233	5556134	5593674	5301327		180
281734.9	1736325	1548526	256358.6	1478827	1127075	[M+Na] <sup>+</sup> 30	83
17911163	12816758	19591344	15195655	15034749	3436911		4
7.45E+08	6.22E+08	5.94E+08	7.23E+08	7.02E+08	4.66E+08		2
6259605	5820092	6694900	5541168	3229492	6748215		385
713270.2	817498.6	889763.1	651887.7	959155.9	1204966	[1378][M+1] <sup>+</sup>	16
5395365	5486392	1505578	6356903	6171695	5190908		417
13413331	4920430	19026215	13190680	9452005	7549149	[788][M] <sup>+</sup> [M+H] <sup>+</sup> 44	135
3072852	2381833	1521639	1591469	1465855	1663829		198
27272747	31498192	21008449	23245638	27928955	35512632		2
233419.1	630275	1551422	160762.7	339291	254607.6		277
157824.8	118076	247058.7	149851.6	200484.1	308629.3	[M+Na] <sup>+</sup> 70	111

444596.1	400160.2	448379.3	275673.5	294232	65765.72		91
779007.1	1388070	1645062	607414.4	990499.1	2297975	[621][M+1]+	9
207254.4	71625.44	357192	149720.2	304362.7	358884		23
2476051	2804492	2756211	2428605	2463555	1905659	[710][M+2]+	4
741298.1	909714.3	4565023	1013192	1142590	431043.8		214
3560307	7778562	4795397	3040824	6560443	27452356		9
1527720	1243145	1761830	1524058	1338558	606010.6	[516][M+1]2+	4
5308172	4929367	4860815	5194562	5149057	9407879		300
1155665	841914.7	794234.9	1140665	1052612	117771.4		9
18476008	31517529	17515138	21443803	27554374	48881797	[1155][M]+	2
6423894	9115590	5609645	3429933	4950613	11928731		1
6359318	3403688	5844333	4113703	6209376	1627481		9
5473341	5745002	10763325	4789603	2986333	6040164	[M+H-C4H8]	425
1427865	2196344	3016743	0	1099297	317221.4		1
828636.5	817481.4	1214331	794127.6	746706.6	735927.1		4
6566636	9059568	6533391	5831351	7122257	4652511		1
6190845	12741470	7731664	2988167	5596404	9833991		1
3101501	1471360	1844254	1555288	1621399	79811.17		71
234619.9	209697.6	1.33E+08	270681	182859	78086505		60
2272775	3046274	2746544	1779141	2405603	766077.5		9
2321805	2282426	2302065	1778209	1884997	844361.1		4
1815387	2932876	2110453	1506618	1392738	2534577	[1331][M]+ [M+Na]+ 68	101
1058507	980943.1	1033718	630707.3	571516.4	13422357		9
1614461	855313.8	316385.5	1202809	1319145	509655		1
3568834	6768079	9484157	2649464	3001410	283307		1
1609580	4455004	5292424	1508999	1973331	2792510		9
1436685	2619623	4388003	1733139	1576032	9307413		1
13627669	15754961	9875880	11872701	18262379	29101805		2
472186.5	280467.6	210177.7	353035.8	279161.5	200975.7		128
1375932	3220199	1984969	1009080	1925501	4694825		8
3083623	213811.3	2597088	2972438	3696894	1792872		14
15136495	5547906	8446295	16342744	3892457	267492.9		2
1903508	2177805	1890183	1434057	1645279	1200598		4
2658894	4794671	3368754	1123192	3262555	5833982	[M+Na+HC]	46
993524.2	699160.1	805827.2	1054539	642899.6	369153.7		273

1556607	2521028	1075800	1242500	1619309	3683125		4
3415201	3582795	2499599	1927351	3602391	3204841		9
2216744	4396813	3136480	1381183	4145161	2031077		2
4072826	1717740	4139317	13238268	2040177	848471.3	[M+K+HCO	6
481268.9	612840.2	671566.5	259856	212690.6	0		4
2503734	1664357	1744578	2769316	1061611	0		2
3230090	2453730	1520195	2192447	1557389	1630241	[14][M+1]+	24
258267.4	1079064	642206.3	240270.7	421446.8	1039332		4
4076887	5286750	4554757	4967261	5826531	5970926		15
4316649	4919228	3803273	2799962	4155300	14811620		2
10597568	1033897	13646089	20063631	11322542	31230904	[995][M]+	182
16703805	26797028	20932948	14601631	15644640	24242364	[M+Na]+ 6!	15
2275456	1649240	3056719	1055971	1642434	124849.8		1
5081905	5015205	4738822	4671577	4743320	6500435		151
687792.8	2648690	2820326	2370201	2513063	2521707		295
5691087	5821028	7011406	5410871	4654890	991541.1		9
770349.9	1246319	821361.7	589430.3	699828.9	569186.4		4
4349136	2189776	4479827	3019868	2178707	772446.1		1
1969632	1393628	1411006	739318.8	872816.6	0		124
179836.3	1193454	1087862	152342.1	286833.7	868387.3	[1518][M+2]+	20
19023925	1422410	24589753	10500768	20645538	9247498		90
871025	1491225	275833.1	1091764	1472205	8516171		13
52500494	37419325	38790473	33882542	31124068	2264966	[2M+3H]3+	169
1334004	1359637	1583193	708588.1	2188186	7745174		2
11685390	8224736	9906955	12161326	6956336	4304114	[465][M+2]2+	2
5434092	5386726	5318361	5098497	5291985	5317136		250
11624895	12976757	610370.7	19695507	16299544	44005859	[M+H-C2H4	53
636553.6	0	1011478	558260	614588.2	393558	[1000][M]2+	8
764927.2	0	1156258	970786.2	795286.6	407265.2		8
450062.5	1269466	439906.4	393062.5	2380964	10299862		93
62794762	94999252	64889315	56474606	60260640	87395324	[M+Na+Na	15
1492942	1938679	2496409	1339221	1453831	700429.3		9
39120251	33557336	23270587	31397347	25762531	25304536	[14][M]+	24
6637283	4535462	2294951	4921382	3325842	8097181		2
1314195	473437.2	1118048	738671.6	476998.5	245172.3		4

510743.3	859029.4	899880.2	316635.5	402533.3	1039529		4
6990571	8869218	3661846	5437982	9547010	39676468		2
5771662	4770333	6805844	5799702	4950809	5684179		2
1818268	2113571	2086202	2052360	1824057	1470790		24
11665274	13417379	11941686	8983676	11228947	6058791		9
378385.8	508057.2	620595.8	249264.5	663190.8	358114.6	[1492][M]+	504
1573875	4011883	2072871	682384.6	2388870	9716197		9
1288580	3187747	2152371	939764.4	1900330	4475737		9
12535361	11890993	10438135	14113107	7181776	10101254		228
4478685	4218443	1063430	6870686	4389468	4001865		326
5846444	5866009	5508883	6010661	4185150	2394098		2
645132.2	643766.4	791892.5	635815	584568.3	375746.8		4
2034821	2139113	421676.6	548245	2058479	1474659	[M+H]+ 271	15
14824629	11379978	12293680	13579476	14635970	4573734		14
1582732	984548.1	1601628	1673155	3397390	11723510		1
2028740	5732245	2439617	1924331	5874045	15266123		3
4292476	3603659	5619376	5923410	5475401	4063374		295
4698602	3543745	3309282	3776911	4509110	20993371		1
3335015	2812614	4351631	2591965	2293446	368946.8		2
1104775	1075595	1275528	1532684	1181904	730386.3		4
3960120	3202324	4274733	3423352	6574902	5393034		2
1021911	1380716	1372885	724969.2	952030.3	339252.4		9
2864394	2257448	3444127	2652546	1858414	1292697		370
2114952	1676951	1427991	2333527	1789914	1289434		13
12758976	14463412	13899157	10005360	11521056	8660313		4
2033969	2123861	2226562	1869530	1799447	774229		4
190124.7	513565.3	98401.63	63961.3	556172.6	1185518	[M+Na]+ 11	8
209385	501923.6	764673	369799.3	245199.6	259179.9		110
108463.3	67096.32	192242	96866.5	155777.2	8879.317		17
633894.3	768228.4	558025.3	443349.6	572221.8	337629.7	[M+H]+ 90	23
6469078	9560241	8706609	4448784	6224295	2878924		9
5.29E+08	5.51E+08	4.58E+08	4.7E+08	5.39E+08	5.09E+08	[1298][M+1]+	2
320912.5	721719.7	365011.7	226270.9	557296.4	1990513	[M+2K]2+ 1	8
1940515	461521.2	6221194	2058962	4797831	1645828	[M+K]+ 18	13
223751	140760.9	174914.3	273624.1	142524.3	143835.9		118

1648071	503737.7	1855806	262834.2	389336.5	0		343
5098433	4076447	5445124	5336636	1113448	9351504		1
5700915	7007470	5146888	4085238	5471483	4413949		325
10948391	14023760	11983210	8952265	11819876	9137463		9
533305.5	903196.5	413456.6	199070.8	728471.1	903117.9	[M+Na]+ 10	8
400422.1	846737.9	705938.2	317052.5	750577.7	504991		296
1056716	1752057	1618651	112394.3	1151570	1105083		46
8288461	1182674	5469552	8208873	2589038	0		2
9737741	10780650	10267141	7593089	8507557	6216319	[61][M]+	4
1162248	0	538477.8	961730.2	896749.5	0		1
1234602	1911823	4076050	1946929	873703.1	911302.8		9
3762165	5485375	2786890	3418868	4225697	8061151		2
7008213	9019659	4557984	9427718	3584098	1500959	[M+K+NH3	97
884004.3	1377555	1175642	576305.8	952184.6	2360072		9
7093427	10460198	10701083	6363532	8103744	2951483		9
746705.6	614762.8	1628979	843566.3	965687.6	945587.9	[M+K+CF3C	14
4203881	6353829	5880448	3981244	5693031	3016064	[M+Na]+ 5:	46
24903291	20233893	20668920	23001900	20980698	8081657	[1194][M]+	2
211189.5	95160.36	95847.49	744118.3	85975.97	241756.2		173
1467752	3276599	2132161	920754.1	2126050	4464148	[895][M+1]2+	9
903218.8	925699.4	106262.7	791828.1	869914.6	90879.76		9
2339045	2637291	865912.6	2050268	3414243	4779551		1
1611495	1704989	1623674	1186309	900444.3	756088.6		4
2797116	2613487	1689886	3093308	1331690	0		2
1951903	16776932	6059063	18305534	17325978	5302555	[M+Na+HC	15
1424559	1375945	358420.2	1386446	1447201	4079817		2
3595684	4399717	5379202	4406679	1161162	1886685	[2M+Na+3I	15
628224.5	918435.7	1586454	1128186	749113.1	563398.4		1
1468719	108354.8	1401550	1429220	563694.4	492784.1	[1001][M+1]2+	38
2933052	6088552	3297881	2365479	4752833	13748590		9
486945.2	535837.5	1178295	1077886	589403.1	1297570	[1218][M+1]2+	33
361216.1	338389.8	292268.9	298825.8	409984.4	143299.3		48
21754991	14537171	14789043	13188285	11764944	604659.9		169
6582507	183334.2	104178.2	5711116	4945535	519617.2		92
19142284	8848570	13622933	23057011	11513234	846560	[1237][M]2+	2



3052028	4438450	2293650	2677795	6212316	11293805		2
1033702	431513.6	823377.7	1151338	575701.7	381054.5	[1476][M+1]2+	35
14727335	14381057	1045788	14991366	28966622	24023947		3
1076353	2177505	490932.8	526901.7	274944.1	272727.3		384
5819879	5720155	6827270	5453063	4510912	1023964	[233][M]2+	9
2991180	585710.4	346610.6	1434940	1240110	2245369		242
1125580	782554.6	1053285	1216340	657451.6	1097011	[2M+2Na-t	8
287945	360524.9	112044.7	116980.5	170642.5	328505.6		277
6698934	5771017	5421685	5822392	5665612	5256751		208
3677456	1993596	1734183	3410684	2965556	429528.6		2
5606165	2309226	5185087	6695560	4125858	924662.2		2
1497175	5657798	384266.3	1386595	548743.6	13972168	[M+2H-H2O	3
8573509	2931339	3145636	5408254	5559684	3262633		1
732558.7	1406725	886868.3	615833.9	680274.4	1053116		8
611549.6	994940.4	590674.5	259957.7	371512.3	504796.6	[M+H]+ 680	101
10874482	24280297	9293604	11272480	13088560	35275236	[3M+2Na-t	13
1847694	49392198	50759529	81764696	50146759	9529597		1
4108186	1427261	899927.5	3285109	4101509	4001449	[M+K]+ 320	15
8271943	8893791	7427133	8474603	6968689	2908221		2
639309.1	466547	380773.4	812452.3	627555.8	2082872		9
629627.7	2512918	2933177	1262851	728213.8	1062116		9
2777018	10373713	5662384	2776475	2107990	19087881	[3M+H+K]2	11
1218703	666945.8	1170801	664098	487518.9	585502.6		244
1028551	975055.6	1427441	837361.3	900785.3	468301.6		4
6481576	9038388	5271801	6468476	5761590	10850562		175
8156741	651917.2	7271566	6022318	10281382	64681075	[528][M]3+	2
9.4E+09	1.14E+10	8.47E+09	8.8E+09	1.04E+10	1.77E+10	[1303][M]+	2
11134657	18038132	11807882	7273600	12635639	31500835		4
1249692	2062905	1283387	857201.1	1684734	1256937		2
2853729	5045193	3369452	1809070	3230562	7194614		4
2021643	1932090	2305509	1581577	1694926	1235176	[890][M+1]+	4
1525228	2285595	2027166	1119052	1637775	1359891		9
9874818	4774507	8396488	10066504	4944471	361284.3	[416][M+1]2+	2
293885.4	395998.1	271469.8	323843.3	356325.7	384417.2	[1448][M+1]+	134
25702446	414801.5	24244977	25467013	6537153	13466691	[1215][M+2]2+	2

2621246	2457993	2920936	4114026	5420174	1965532		2
11773526	9726096	10154652	12094910	8408806	1960271		2
1125604	809304.4	787435.2	109519.1	625615.6	1011716	[M+H] <sup>+</sup> 31!	46
2824396	2785473	2497782	2562889	2625880	2658800		191
570226.6	793770.6	672430.3	638626.1	589354	564937.1		4
6534195	8655798	9041098	5759171	6448288	2512280		9
18177799	29486554	9893254	18856090	17783198	20416178	[M+H-CH <sub>2</sub> ]	3
4928850	4628205	2132687	2188094	5185031	6048448	[M+H-NH <sub>3</sub> ]	11
1183638	1587306	1351668	1148127	1073967	2090832	[1370][M+1] <sup>2+</sup>	35
3661467	3564801	3389414	2410312	2417232	3264516	[1106][M+1] <sup>+</sup>	2
1143468	1074283	2123070	837407.7	1149407	1897510		1
208190.9	313762	367683.4	153191.5	317162.9	141389.5	[1126][M+4] <sup>+</sup>	17
7790926	3100247	4195960	15302522	6917321	839822.9	[2M+2K-H]	15
7643548	8720787	7934447	5615139	6447328	4062121		4
5394920	5262334	4941962	3207167	4528209	5816893		190
3803381	2308999	2481206	4821374	4055814	0		9
226222	119778.9	538437.1	502439.2	558880.2	405601.3		453
10209517	9571489	4412609	6455686	14963709	10142759	[M+2H] <sup>2+</sup> :	3
1107383	3918067	3145826	3752488	3804739	5443573		405
1.59E+09	2.21E+09	1.23E+09	1.41E+09	2E+09	1.03E+09	[1252][M] <sup>+</sup>	16
882425.7	842229.9	734744.3	590316.2	1000767	0	[M+2H-CO]	8
1831310	2018487	1857842	1338042	1550581	1153302		4
2357697	1644698	1855396	1748554	1548487	916473.9		117
2342844	2964491	4245508	1661161	2012527	1667723		9
2315930	3390118	3766689	1467552	2478360	988465.2		9
1931142	1191763	1183203	1658850	1029742	19493641		2
1761872	1704747	725974	780135.4	2182624	2072602		9
780476.4	585910	393643.4	1820817	1040880	316959.2		7
866492	1233715	1043788	413704.6	869551.8	2668160	[M+3H-C6H <sub>6</sub> ]	8
1596341	762062.5	1805313	1695899	1857803	2079333	[1622][M+1] <sup>+</sup>	2
0	567622.4	320774.1	0	348502	240480.2		20
1716213	1950783	776298.3	859611.4	728326.9	8765610	[M+2Na+K]	15
486728.6	422079.1	770901.3	1400858	453745.3	842178		113
6494007	3389005	3968321	5219560	3329669	13669050		9
3420402	1818440	2512661	2719029	2130450	881727.1		4

223040.4	130475.8	445716.3	194988.9	233084.9	119048.3		72
17621099	30024490	20992400	14158266	23404550	54470205		9
37849219	39121375	43245611	31848176	32344582	13532935		9
850561.9	1340194	573682.1	328759.2	845934.3	598203		4
1132200	1327820	1652661	837392	1663379	1134854		14
1347037	1582995	1235414	663876.9	1203607	960582.1		4
0	714165.1	981612.2	0	208262.6	528374		20
1833449	760871.3	4984091	1515551	1432822	748893.1	[2M+H]+ 2!	13
1811989	1210068	669881	1385870	1248633	162761.1		4
163582.4	2086418	0	0	1085862	1986892		2
4337692	6766649	4557458	3817792	6392783	17037105		2
7333639	7078171	724734.3	6711274	4327870	6678036	[M+H+HCC	13
1087857	1975617	2384717	854862.1	1090045	0	[M+2H-C2H	13
5624310	4709192	1986573	2589620	3008634	4688868		2
553077.7	2927715	368039.5	681952	1047310	5792750	[M+H]+ 72!	15
929106.2	524861.6	86941.76	914683.8	753068.5	1054647		9
641433.5	833712.4	691483.5	365645.8	373611.9	333969.6	[M+H]+ 35!	81
5919786	4949481	4762770	4775048	9768021	9886871	[M+2H]2+!	14
14097487	17262373	11404903	14262892	19463180	21826744		2
259476.1	296431.6	274004.8	238515.3	251391.5	415893.1		91
26330290	29150925	23113910	23349913	29665071	37219697		2
526381.9	3562552	3241199	1291257	1013743	3178290		4
1438021	2258671	2544907	1050365	1346011	888052.3		9
575952.6	495040.8	791478	710734.1	538217	108480.7		150
80975.39	75007.94	27145.53	346135.8	122620	744321.4		33
2372466	2747928	1975739	1770873	3236142	3305561	[1222][M]+	17
2096948	2542297	2568029	2022557	2505300	465128.4	[690][M+1]3+	58
1179047	3141477	1813516	654265.8	2045619	6278545		9
20496155	21475184	8932652	7273060	16525387	5468374	[M+H]+ 40!	5
5590754	4609393	5281866	5139448	5453056	4723920		408
3048773	3095453	2670199	3215028	3306152	3017227		356
1679717	1158162	2143795	1695881	1362590	478187	[1617][M]+ [M+K]+ 15!	38
1020935	1048560	541215	1974456	485030.1	1265539		12
4503386	3092218	6298195	4218614	4772294	763972.1		2
4804122	5091875	6442939	4239944	4087826	843928.9	[1490][M]2+	9

405960.4	591206.4	398413.8	416427.2	517544.6	185190.3	[3M+H+Na	23
1740526	4938023	1609559	2147942	2435887	1171468		1
284302.3	172239.8	265958.3	277586.1	350627.1	146428.3		124
1870531	1062062	1318519	2347417	2673498	7011907		2
332750.9	443829.8	361896.4	313509.8	259924.8	93520.1		118
987038.2	904934.6	948264.2	722565.5	1169994	1134937	[1602][M]+	121
374091.9	244018.9	705557.8	245167.5	324578.5	144697.3		91
38297831	58152755	52897626	28956004	26460995	17958245	[1248][M+1]+	69
187259	336743.6	380089.7	298202.5	359867	114410		4
4637395	3519884	16082.62	3433555	1491427	1351539		52
2115063	2765582	2993773	1377263	2634361	1915385	[M+H-CH3]	134
4249410	1651109	3156417	2388810	2634514	16077.25	[1470][M]+	205
21105427	18366901	22845885	27588810	12179594	30105884		23
36314235	21334272	25703351	22705090	20479477	1568682		129
1981424	540084	703222.4	2133294	1791303	10235994	[543][M+1]2+	2
51814773	48021925	45483265	55690100	46751613	35811067		2
1703288	1829000	2038689	1377202	1479263	800621.4	[135][M+1]+	4
2358770	2291441	1856629	1755855	1785045	1036587		4
2911214	1671672	12491343	2718533	2155910	4642858		181
9780700	3900784	7457030	10467948	4723998	11335419		2
9071454	9754360	10217385	7512245	7778688	3176418		9
28180648	4949656	1806513	31656348	26148150	64185976		20
2181980	1260897	9861394	2283649	1730462	3513726		293
3556343	1113879	2712381	2158286	2345369	1114296	[717][M]2+	235
1.22E+08	1379459	1.31E+08	98313217	1067371	2801323	[752][M+1]+	1
8250747	7445525	8186587	7918875	8574135	2688805	[59][M]3+	9
2364103	123526.9	2392578	2569311	2553985	3318783		191
5517485	9237938	5945146	8051882	5258396	6342070		1
3.88E+08	6.24E+08	5.96E+08	3.67E+08	4.63E+08	7.95E+08	[679][M+1]+	9
13481602	638015.2	11087595	13203405	9112416	503231.8	[169][M]3+	2
3967677	22145191	28162664	3462986	4565276	12233361	[894][M+1]+	20
2200289	2652385	1475600	1964604	2352281	3671458		9
16386427	2013721	15462661	12273435	2883469	5815457	[451][M+1]2+	2
258464.2	343810.3	404230.1	190770.7	140911.6	472636.8		4
3610209	13656721	40193240	876800.1	3631134	3886931	[913][M]+	20

3769492	6167921	4267323	2446607	4156025	12111317	[784][M+1]+	4
537071.9	428064.9	275300.1	217013.3	480230.2	226071.6		4
3381488	1840269	3089243	3202967	1548512	3688085		2
4197063	5914121	3027598	3731174	3216930	2514851		2
93084957	89398628	1.04E+08	79816407	82022433	49007707		17
5364014	21244728	3837953	6120282	3964079	1190316		1
14446842	11487013	11813196	13568765	13963046	5558857		13
327096.3	1213583	965113	500182.8	767895.7	987145.8		9
2058069	2816295	2712986	1687382	3256606	7622284		2
5497228	5392716	2611115	4359003	5353865	1567179		1
5315257	4171303	4542462	4195381	4363439	7232909	[M+K]+ 41	12
6677092	11953514	7066426	6032171	13421486	16307607		2
3476782	4479489	3002573	2875888	3134303	214220	[1221][M+1]2+	2
2855355	4257777	4659564	3225088	3105364	2484799	[101][M+1]+	35
1981672	1965186	894793.9	1861440	1408633	3661973		2
314692.2	445723	292017.7	180082.9	307436.8	156385		89
400620.8	719113.7	476920.4	339541.7	523810.3	1411093		8
678488.7	1184997	1175804	975425.5	380088.4	444006.5		9
7310676	7689220	8303057	5849759	6318575	3977253	[552][M+1]+	4
536538.5	751593.2	732232.1	615463.4	508590.4	472812.4	[1262][M+1]+	40
6616764	4745446	7132211	6297502	7060143	993237.1	[M+2H-C5+	13
1264044	1671781	1445759	916421.9	1077761	1267271		4
244987.2	289716.2	247638	177841.8	407887.8	250232.6		91
50259909	38501716	33803841	45599750	1.09E+08	37871013		152
1440506	1896076	1742509	1184083	1613377	525440.6		4
11476793	12747419	12552800	9044019	10313246	7349301	[115][M]2+	4
2310262	3942205	1663974	1620965	1695582	2234376	[864][M+1]+	2
1604230	640002.8	657432.8	1355615	1437351	313495.4		4
3058551	3959039	2620191	3014947	3505432	2618501		2
675851.7	2809008	804859.6	408971.7	2573857	1279545		2
16565625	3823740	1751239	15395186	1385899	2021854		15
2551769	3935240	2393423	2107670	3145156	2465645	[375][M+2]3+	2
752159.9	870993.3	1309947	673088	645149.4	0	[239][M+1]2+	9
16124001	10360022	14488449	14605291	2494040	6535613	[1193][M]+	2
37051436	39872396	42227064	29918654	31970086	20774033	[546][M]2+	4

16339841	494081.7	1597066	9995863	3398236	3109138		386
2258800	2197437	2482015	1744765	2006344	1069199		4
635291.4	22139466	3298013	25924832	34478522	33221380	[M+Na+K-]	15
400738.8	1093888	1094038	0	380309.2	0		9
783076	0	375131.3	747152.5	872254.6	1318576		9
1429997	421660.9	1079121	969257.7	1262925	588297.7		5
870191.3	3012730	1864466	1051145	1786030	4682634	[M+H+CF3O]	8
1301362	1584931	1576740	1014156	1569847	2292515		243
1427535	2957576	1922425	923454.5	2134205	4668067		9
3212755	867056.2	2282468	2557234	2060688	261805.2	[3M+2H]2+	159
29888859	37949582	33047143	23580001	20816616	44959190		2
6683102	3009563	5012275	6612736	3177739	393334.6		2
215132.5	1620788	1766152	155142.2	968424.3	0		1
76646362	11967639	70452141	2434191	18288202	63664920		2
12993520	13004032	11416817	12494456	16467847	16578564		2
4259903	3679293	3718723	3470604	4455546	4307913		2
6155732	5584898	5536516	5578265	6655558	5456962		241
4289542	11303750	3743362	3136876	6573055	16135880	[M+H+NH3]	3
5294941	5664848	6050020	4602768	4806132	1150909	[1022][M]+	9
3124160	1762774	2679833	2873393	1829987	3106242		2
19228933	20179185	17094628	17182164	20600256	19247553		289
324139	383456.5	574262	473290.1	303881.9	0		4
2845142	2444419	2180554	1925943	2278725	902970		4
1245603	3265685	10841689	480136.7	2672607	4391426		2
1327422	1877413	2113548	1100467	911363.2	986160.5	[830][M+1]+	20
944611.6	17142150	569754	11300696	11743829	8751425	[191][M]+	4
544260.8	700316.2	581801.8	0	457670.7	0	[3M+3K-H]	12
3070802	2379257	5873793	5135680	5429310	1249659		2
857969.8	1124612	1301514	1591457	1376380	543693.6		4
2475917	5754015	9611076	2336570	1667471	5020570	[481][M+2]3+	18
2529018	2267362	1821894	1123728	1171501	807242		4
554867.9	2398000	2259154	346024.5	1698255	2738451		9
25342681	81403408	26601588	48681901	2655969	8527794		4
1050326	5148057	4749370	2512680	5297038	2509284		2
9054062	4807618	8937811	18527472	8733076	7781490		426

228288.7	46305134	9316824	38104002	360319.8	797442.4		23
1218560	3448097	1269078	1060313	710584.9	2119244		5
24771001	30260778	8428955	30995978	26818185	70320534	[620][M+1]+	44
4334960	4922371	5390116	2620963	3680284	2182764		9
5076344	5199409	5399672	4935599	5177308	3512090		9
718602.7	2773044	2247569	2241779	2018663	32976703		1
4559677	3272764	9608833	9769072	9707386	6770829		413
667767.5	1113986	1578131	428995.3	537275.7	601996.6		9
697663.1	766778.3	1017354	630672.8	811897.5	997991.8		9
229576.1	308915.4	215744	303616.8	124001	167433.3	[834][M+2]+	116
7212584	7225762	8120935	4665315	10196905	6929617		196
3646886	5904555	5547605	2740518	3697706	2085954		9
6377760	6197498	6921783	5342904	5316216	979190.7		9
592265.9	1273190	1137410	462072.5	718348.5	1559023		8
1360117	1177035	217500.5	677169.3	6932550	962530.8	[915][M+1]+	21
519931.8	1209381	2714998	425676.6	1960874	5807387		9
868201.5	568445.9	1135854	1237013	760910.8	2444281		9
9507964	3073650	5490200	4819084	8560893	0	[246][M]2+	1
3716585	8436373	3204631	2968357	5016841	16011985	[1018][M]+	9
18146661	30151429	21317125	14212048	23422601	54331541		9
7285221	8426903	1773219	5420339	7298788	10942661		84
41032868	35685700	33092947	32491114	24666846	16898742	[1275][M]+ [M+Na]+ 6	38
3416208	4360308	2651816	2535480	3492884	3447920		9
327789.6	112646.3	1575497	1333856	1539161	1943746		68
293683	704991	676119.1	343040.4	650583.6	432900.4	[M+H]+ 42	25
1160920	3053435	1394881	715409.5	564750.1	4359177		4
1232916	588225.9	672468	994103.5	612211.5	181148.1		138
339346.7	375116.5	520563.1	527952.3	457386.1	262923.3	[M+K]+ 19	232
1415923	1756165	780968.8	1875943	1478402	2692522	[M+K]+ 62	46
3000495	3629550	2803364	2314333	2958721	3051147	[248][M+1]2+	9
1073961	1401928	2062050	943140.7	1137174	1010510		9
12558584	11636479	5853445	11552851	11561108	4300620		337
14096789	9861761	13984256	10146635	7145852	4682581	[1275][M+1]+	38
256830.6	2127923	1108478	565109.1	1497982	2737126	[1009][M+1]3+	9
308737.7	262555.8	149446.6	111149.4	299266.9	0		43

12016594	12655255	13320484	9607817	10156745	6392997	[49][M]+	4
6113526	6390430	6714460	7306201	4467345	1659772		2
4945192	4015342	4060240	5273354	3784101	1429924		2
930783.3	806059.6	1381101	1763948	936799.6	833997.8	[3M+3Na+]	39
2489062	2887703	2713200	2195697	2882882	1399925	[M+2H-C5H]	33
1631314	3757485	2001138	1210919	2333574	6535936		2
6109470	8037454	6965183	4403932	6321964	5381576		9
17509234	15415758	13698043	15060245	18557441	15181873		2
5864100	2814549	23717020	20073821	57555745	14532506	[1299][M]3+	2
2080316	3411141	2036891	2193857	2320287	4250393	[508][M+3]+	2
1008213	721436.2	1450417	352694.5	1046580	1232631		4
8488593	8728529	4086322	7681081	5152548	874654.1		347
2975851	1277386	6844062	1611339	831443.4	6081794		9
297972.4	0	252367.6	334206.3	266191.4	0	[M+2H-C3H]	8
1242624	2569607	1709424	808208.4	1651785	3703818		4
14645316	11157968	13210622	15133349	12986272	3262130		2
2754711	6510782	3153153	3002368	6783059	42316831	[1354][M+1]+	2
2217297	7672916	748292.2	41204333	2085185	744704.4	[M+2H-CH <sub>2</sub> ]	6
757054.5	1254982	1087326	683634.1	430353.4	296198.9		107
2831296	1393967	2601330	2907997	2383701	1369692		2
167605.2	146170.2	44792.01	283747	74459.32	105180.5		520
584896.2	718961.6	691883.1	637520.3	678407.6	35065.19		4
7483190	23097170	10522331	3211887	10568850	43931387		1
220389.6	340616.6	385299.9	367791	241716.3	136428.3		242
807261.1	1783064	858087.1	939753.3	1369101	2553333	[1471][M+1]2+	9
6309358	10670468	600470.3	8304080	5274127	12543702		375
12719134	9011153	15564265	78916938	11388244	10517558	[1141][M]+	138
37931990	39286216	43489857	32051833	32147321	13295522	[1024][M]+	9
868025.4	1492267	1059292	967041	1416761	893756.9	[M+H+NH <sub>3</sub> ]	46
3358173	13406886	4933885	5809504	3115130	1596162	[M+H-CO <sub>2</sub> ]	15
1025666	334941.1	943047	1044050	677645.8	1037919	[M+H-CF <sub>3</sub> O]	53
1717530	4102196	2175995	875746.4	2606290	9131118	[1373][M+2]2+	9
429240	1213951	513270	353357.3	519199.3	375471.1	[1414][M+1]+	35
908340.3	1081028	1049113	1523253	1242696	368443.9	[M+Na]+ 70	35
1645021	1443937	92869.33	935656.1	1963833	3611028	[M+H-CO]+	11



982839.9	720865.8	1198931	708508.7	571966.3	486185		4
536858.7	960350.4	934389.5	346304.5	531127.3	1694066		91
18671670	23318707	21021293	15735657	20736875	17376634		9
1787112	30610.01	553913.5	1212491	188300.4	2464831		58
1.06E+08	9781798	1.27E+08	54202744	96416451	1.27E+08	[M+H] <sup>+</sup> 49!	6
8596073	11537235	3937747	5840542	6541132	16322867	[M+H] <sup>+</sup> 43!	3
1.87E+09	2.98E+09	2.84E+09	1.79E+09	2.23E+09	3.74E+09	[679][M] <sup>+</sup>	9
1842019	895134.2	2767257	1240667	2135821	0		6
607375.2	112813.7	1052312	859878.5	683171.1	1477738		9
5304504	4941431	5096749	3826591	4643077	3086841		4
5467424	4145010	3903925	4707321	3265724	1487084		9
186876.1	250463	573928.6	536413.8	542348	428499.8		186
7327453	9192549	5852627	5550975	9866434	20725599		2
7645617	12817507	279737.8	9702070	18572461	11616904	[M+H] <sup>+</sup> 41!	15
2054697	831960.2	1211747	1164078	1563974	3479882		1
4457969	2309487	3240002	2275169	2517568	29771.01		129
5454555	5532970	5767271	5788534	3851059	1060846	[1605][M+1] <sup>+</sup>	2
1316033	2318345	2039387	1301897	2004169	1269585	[79][M+1] <sup>3+</sup>	20
2407078	1535705	914022	1240987	2353076	1487096	[3M+K] <sup>+</sup> 2!	6
288251.8	343535.9	243114.6	280314.7	228856.2	99499.91		360
1046539	712862	855364.4	933856.7	827305.6	19431.32		4
796191.3	2294035	1372999	544796.2	2100023	10475930		9
882526.4	1666003	1196911	1268951	980076.6	2920134		2
2296268	5959674	2569768	2264260	2717134	6353932		9
589910.1	249212.2	594729.5	761812.8	452530.7	670228.9		275
1916122	4487298	2336492	2848899	2043419	6013698	[918][M+1] <sup>+</sup>	193
40695319	17998102	29964011	42789478	20385713	8993999		2
583760	1221684	788483.4	229063	972452.5	942706.5	[1585][M] <sup>+</sup>	89
581221.6	1335333	2759060	557836.5	475752.7	1604464		9
4752528	3799103	4388064	4220977	4368872	1595365	[615][M+1] <sup>+</sup>	9
4841055	2781896	5471736	4953808	5400595	4553309		434
407435.7	675153.3	467909.8	206118.5	246087	350059.8		18
519532.8	643692.5	5297546	118724	695275.8	160960.9		46
545907.8	665834.1	725561.9	348344.1	243092.6	266019.9		161
4122059	6080068	3487582	3583175	3135203	3716666		250

845222.3	868340.3	1062388	1824918	1380831	4420427		2
1430032	2136852	1318967	1035012	1802394	430620.5		97
1.62E+08	1.06E+08	2.49E+08	2.11E+08	2.31E+08	2.12E+08		56
814651.8	568357.9	2726417	3657161	2520901	1390176		1
553982.6	794167.4	0	855291	1457912	4906692	[M+H] <sup>+</sup> 17:	21
8629648	7371235	7170973	6882816	6144093	6184680		270
1292552	1775104	1842737	806064.6	1149279	1073085	[1453][M] <sup>+</sup> [2M+Na] <sup>+</sup>	25
226875.8	1409859	971058.5	156222.6	1324563	453523		1
1.28E+08	1.15E+08	69095030	1.73E+08	1.5E+08	86467366	[M+H-C6H]	14
965472.9	182070.1	869169.6	300414.2	803156.4	121919.3		184
15415240	16859346	17635892	12400808	13309583	8866958	[177][M] <sup>+</sup>	4
3445379	3443412	8629235	2682710	2464306	1749896	[M+K] <sup>+</sup> 67:	38
13486030	6763559	16407487	15797758	7173634	8266574		211
633166	1179667	501649.4	1292481	904305.2	1006199		9
8355777	6345379	8395454	10137789	8757485	899227.2		9
2405102	3256862	2858203	1799358	2672438	1449444		9
2363173	376912.9	3007008	640606.2	2797519	30485.03	[1568][M] <sup>+</sup>	109
283350	1038706	228435.1	362017.7	580419.2	2573829		9
1105518	1742296	1156658	287161.1	1278090	771041.3		4
3050102	1523023	2661076	1275697	4050319	3831817		2
11111798	6650414	8413694	11865402	5118088	920498.6		2
615385.4	1386125	1791642	432621.2	955738.1	1910052		9
728492.1	1046152	12524344	8730118	853776.4	2735092		4
134374.2	774566.2	440327.5	817787.3	81557.45	98491.23		256
9369402	6907952	4501989	3231114	10231191	10324872	[907][M+1] <sup>2+</sup>	15
1105893	1113935	993957.6	1004490	580306.2	642293.5	[897][M+1] <sup>+</sup>	227
445339.7	374049.7	459157.2	356739.9	224269.6	539875.2	[2M+3Na] <sup>+</sup>	16
377254.7	8023082	370283.9	7078103	7306514	4345535		135
20923113	39057524	628660.8	24099001	63708466	5852401	[M+2H-CO]	3
705220.5	251860.3	1506918	999787.6	817021.8	1458716		9
604582.4	275583	909301.4	240030.7	492091.9	191670.2		17
2644562	2607235	3286109	2214178	2269840	83986.79		9
163061	488402.7	102442.9	530956.3	157434.3	188869.3		510
12107857	1373841	15866180	21926321	12952926	35068973	[918][M] <sup>+</sup>	193
126123.2	296546.1	172972.2	4637365	58597.15	1599342	[147][M+1] <sup>+</sup>	164

1E+09	2.95E+08	4.72E+08	2.27E+08	9.09E+08	2.23E+08	[796][M]+ [M+K]+ 414	3
3865226	5568227	1064610	1540964	1243911	9415943		116
723844.9	1054718	635751.1	303657.9	557604.4	930824	[1283][M+1]+	134
9591922	13495500	1391672	7935726	8870306	50859508		11
2923814	0	3704675	2822091	2401898	2756826	[1238][M+1]2+	2
3862264	3531877	4454509	3792552	3516031	2201881		4
2048445	2383577	2417267	1799152	1760658	1150774		4
4688193	5446578	3926775	4140829	6957326	7728701	[1212][M+1]2+	2
6899698	4127202	5015132	4210244	4309362	107748.7	[1553][M+1]+	129
1.25E+08	78065369	92250121	77211574	74849603	4519962		129
5385017	2782311	10046208	5892047	2185164	2205047		224
3682679	2223583	1717427	2643130	1098953	1679327	[245][M+1]+	133
208399.6	185003.8	196720	160108.2	156361.6	129025.7		387
1520606	2415716	2877945	1131093	1387266	1250500	[840][M+1]+	9
678278.4	592679.2	294317.4	470984.8	317795.6	418315.5		507
1052943	2259145	134995.2	904741.5	2120080	10816621		21
822018.2	708330.6	2623353	386044.5	328766.9	2248591		4
56234266	68921009	87482247	82236150	2679489	31505506		46
6511136	6189213	4167860	5749428	3104633	6315796		401
11428065	12795429	12407203	9008375	10278143	7412528		4
973769.1	960328.9	1197499	785429.3	738473.5	643528.3	[1558][M]+	78
11772082	12613927	13289080	9572243	10009217	6325295	[54][M]+	4
17991878	19783333	13864935	14547149	24955830	45675374		2
5236164	3903783	5996772	3911681	4984405	2277519	[1126][M+3]+	17
2798884	2974584	263839.8	2301580	3288430	8252782		11
1577670	1090923	1710127	1408206	1157749	4494212	[238][M+1]2+	9
148318.9	1095131	227704.8	0	211802.3	503910.2	[3M+Na+K]	20
6625092	5227459	4625883	5187382	3150715	7132700	[M+K]+ 407	199
4368046	854332.6	2312342	3461905	3041601	0		14
6392006	8079478	8238135	7314362	5093184	5784244	[M+K]+ 350	20
975912.7	360425.5	604460.6	1243931	1729918	1043727		9
4468786	2804007	6116899	3604416	1289726	2918995	[243][M+1]3+	9
858469.3	2069828	1339741	572255.6	1523321	2499379		9
4222280	4056681	3836458	2585084	3454616	1879180		4
42815699	19492946	12736423	15760560	41716251	37220977	[522][M]2+	1

2720309	2858895	1872531	2555347	2441783	7487552		2
1347644	1481439	386901	643542	1083094	3285761	[M+Na+2K]	3
10047290	10702869	7390116	6109894	8529399	8541769	[421][M+1]+	183
804102.4	1445228	1103107	443371.8	1025519	1905567	[401][M+3]+	4
257413.8	227568.4	403714.5	348043.4	162625.7	293627.4	[1219][M+2]+	150
638566.9	1546874	2366791	532961.2	724906.8	929527.3		9
1559767	2729900	2111987	1413256	1604333	3878948	[786][M+1]+	4
1284859	1306611	3177649	788883.6	7679322	3042453		1
3376337	3540451	3198990	3901487	4291972	6307439	[3M+3Na+H]	14
1161627	1291427	1278265	706674.5	678325.3	847981		4
1941820	2622563	2206051	3086593	2234059	1611285	[M+H]+ 240	288
944745.7	1572398	1246846	816010.5	1514653	1216466	[470][M+1]+	2
3602789	4269886	4301113	2379483	3668878	3218006	[1523][M]3+	9
8348900	8456390	3859858	3915976	9210299	8969184		1
4468458	8178632	4957268	3430044	7443453	15845387	[1090][M+3]2+	9
5998592	6679881	6481907	4660618	5491278	3931351		4
209988.7	211657.6	87182.83	169459.5	95468.74	130312.8		112
2335291	1730001	2296473	1733300	1935774	917622.8		4
5375740	8634653	4931068	3818463	7219331	15878842		9
164325.9	840414.9	1078472	194721.3	302890.7	1803860	[1573][M]+ [M+H]+ 10!	18
80300978	92955833	80012363	73399638	85781758	1.26E+08		2
5914900	6729290	5216040	3642108	5534637	5164129		4
2708294	4934239	3405860	1710653	3201799	7193810		4
786930.5	313484.3	940002.3	1137758	916798.2	535436		9
1337944	469963.1	1787378	443792.2	1716770	477027.2	[M+K]+ 44!	33
290997	357358.1	108560.3	320072.7	250846.5	293831		72
2215063	2544010	2539936	1802444	1335162	1440685		9
24283303	46779443	34510873	23085486	45376644	44308399		2
11696649	11617051	10096916	10765604	14252989	13466193		2
878897.7	3132982	662006.5	266563.4	3294625	5036152		2
977084.1	6432285	21974749	839924.6	2261570	2335744	[841][M+2]+	20
1362696	1200367	749220.7	493900	1211123	849619.8		91
2329286	2560505	2343782	1941233	1938272	2577490	[1482][M]+	38
5471247	6427697	3520317	2496785	3916708	6107672	[M+Na+NH]	3
5104154	5145968	4801373	4811480	4765464	10014835		2

803551.5	3859661	457729.7	793806.5	1750247	7222219	[M+K+HCO	3
1733490	6563217	657844.3	1815359	4571190	18082119	[M+Na+HC	11
5742379	8267503	5673447	5125571	8865604	7177403		2
1960944	3644535	3327437	1299242	2348579	4287820		9
1628999	9940917	1076332	6043575	13704984	17098724		11
1695886	2394459	1991971	2489364	3560461	2445334	[3M+H+Na	6
4477580	1084411	4884154	4750966	1451253	0		2
969529.4	2032029	1457479	591581.4	1752709	3667885		9
1436246	2747562	879293.8	1745260	4547837	3669124		11
511842.9	974258.6	1593085	362607.1	518537.1	1119991	[289][M+2]+	9
102745	816629.7	368167.1	206721.7	600747.2	1687107	[M+H]+ 10	8
535739.1	486484.3	563791.2	738466.6	411885.7	244025.1		292
4944712	7317302	4441292	3843809	3703603	2173096	[276][M]+	292
3736532	2375583	3288605	3009461	2277687	1125818		2
13670266	3023751	6017761	13389666	6136841	6317802		314
1791614	1855635	1708657	973406.4	2010993	1585564		4
1643803	2727657	2234333	1721892	1580927	2431347		4
4060585	3885839	776687.9	5222231	16315253	3406869		326
984794.8	2057147	713959.5	0	1620747	1058762		14
800099.8	771089.1	794645.6	637475.3	756798.1	183539.5		4
1038732	798339.9	137331.1	1568888	584777.4	506943.3		297
988453.7	1146030	1112901	765731.2	893899.4	557473.7		4
4435979	7377479	4104335	4015313	6268453	4161859	[455][M]3+	2
1072204	990271.3	1224941	854555.6	789087.4	65511.63		9
30069197	12788808	22712682	16337822	18299627	1427245		205
18142261	9509426	15650786	19879660	15625992	9920879	[502][M+3]3+	2
11940948	4622152	8914835	6204055	7080026	132826.4		205
1072913	1954220	1142030	710479.2	1486400	3062931		4
28920299	8638083	1793477	24934417	10628814	14492107		1
991665.8	3385983	2189157	628655	1511219	1095289	[M+H-C2H4	18
726968.8	1037044	782049.6	678230.5	779924.3	460572.2	[1441][M+1]+	7
395033.4	1007142	944698.4	299142.2	638375	1631867		8
1293350	2870576	1054134	702858	2123028	6672027	[3M+2Na+I	14
4024365	4407821	4126581	4234568	4428795	3597013		262
2104376	1793740	2120316	3305002	871260.4	815982.6	[212][M+1]+	210

1222138	1470592	1783105	915003.1	1427466	3523989		41
793747	1793559	378981.1	554306.7	1024237	3817455		9
3446890	1146322	4700571	3710875	3510963	3574743		368
571396.1	0	1289472	478424	736207.9	688014.5		8
11244394	15135125	11614650	9805027	12946879	9597666		2
4888698	743314.7	5856565	607859.8	1046708	1464798	[322][M+1]3+	9
2810172	1747970	2819742	2423853	2045389	0		2
1232849	595569.5	600508.5	586804.2	776845.2	3467821		4
910593.9	968311.4	1925931	858892.8	731401.1	416727.1	[M+Na]+ 3!	16
1320939	1722411	1829359	1595290	2110400	4215679		2
1803506	1793221	1571744	1387305	1611514	2849109		4
36022471	17553214	16174755	23083201	25104257	4908245	[935][M]2+	15
1692768	1401399	1120113	1710383	940367.2	1149263		230
2230476	2668709	2855938	1548732	2044282	715399.7		9
4943435	3835011	3434373	4605080	3410073	3576352		2
1222332	3389832	3380681	856099.8	539171.8	2546180	[1052][M]+ [M+2K-H]+	20
549604.9	1229800	3767312	507009.5	684138.9	3377805		9
41442293	29267043	30546020	25015483	24766406	1568948	[2M+3H]3+	169
934035.7	3098290	706748	443524.1	2073774	4487871		2
11672398	9472176	9674688	8637940	6381887	8909852		372
5089340	3773569	3461902	3595801	4491954	4814463		337
4604477	3070435	3538494	3711067	3731086	754019.7	[692][M+1]+	197
3290713	3704652	3552312	2641925	2733046	2019621		4
552659.6	260169	685148.7	539964.4	609331.4	0		461
36019542	40834412	47598740	31403276	43853033	46740959	[1165][M]+ [M+Na]+ 6!	43
235179.7	141716.4	209221.2	155971.7	155476.6	106777.5	[1083][M+1]+	72
890475.4	3508138	3140557	3604188	5363880	13912945	[M+Na]+ 1'	11
919912.2	715124.7	919196.6	524550	668043.1	4792482		9
6590559	9770179	10719190	5365333	6903463	3071242		9
5084458	2493036	3335756	4924015	2017992	627183.8		9
192390.9	0	601130.2	778313.9	529330.7	727500.3		55
8199611	3909188	7437358	7724511	4838783	18587523	[457][M+3]2+	2
1573480	1052295	2028062	1912345	851168.9	634190.7	[3M+2Na]2	134
4203324	4443195	4758526	3493795	3555935	2126612		4
3803162	2177623	1772397	3734782	3417690	1976591		2

52833377	15838187	44829111	20285078	37570538	79796.52	[453][M]3+	150
41127776	8619045	15809663	1381777	38705152	6500412	[M+2H-CO]	3
27560024	34851181	18760448	23651092	41392462	52960281	[355][M]2+	2
36984242	39161921	43100939	31776854	32256137	13473780	[236][M]2+	9
320806.1	661871.4	279704.4	395874.4	608774	1042675		63
1496646	4740918	1790225	1102801	2462038	6535364		2
4759131	4345453	2126815	5817784	5893870	16689164	[M+K]+ 516	11
33048232	48986430	59571852	78712641	44233064	48364729	[571][M]+ [M+Na]+ 3!	136
26118110	22237037	36228393	34691179	1178251	22849333	[97][M]3+	1
2462408	3630254	4007772	1862550	2522676	891779		9
20014367	20909304	19181507	12253472	12126335	32839953	[M+2H-CO]	15
1466786	1347908	883000.6	1047145	804278.2	92026.63		77
17140447	13006848	13881168	16913433	16039614	5634674	[M+H]+ 36!	14
106800.7	986204	2789894	78121.29	93419.46	112732.9	[122][M+1]2+	20
1497482	2521663	895566.7	1129471	863599.6	1367820	[1444][M+1]+	12
6054771	5154557	5696483	6167224	3571894	3163112	[1315][M+2]+	2
309037.3	163111.6	237873.3	599734.9	292327.2	243868.7		483
10253571	3601378	7032958	8927156	5894847	3257884	[758][M+1]3+	1
6544977	6340714	9244753	670703.4	20969186	16353932		1
322580.7	0	845885.8	128436.6	922083.2	1278292		9
1993529	1231016	2457516	1042956	1190076	2718714		9
1148169	1209966	227519.9	494410.8	1497223	1430735		9
4055985	4096526	3893584	3129307	4583245	2923755	[M+H]+ 41!	398
730193.8	772038.2	650046.6	530834.3	377998.9	25216.8		4
1520223	1187067	1565916	504613.5	1380773	1567885		1
3002771	3136524	1590019	2576783	2091668	946448.5		2
567344.3	1325426	1802840	531130.1	790173.1	0		9
1350007	1351679	2041780	1028259	1052892	1805159		9
4207752	847859.6	4794980	3297868	4339584	7710295		14
1655596	1862971	508133.3	847635.4	280081	2386199		61
650708	3612869	2325743	598027.2	5056418	735921.9	[3M+2K]2+	11
12486779	81421992	17755021	7859741	13264516	37302977	[M+H]+ 49!	21
8649698	9175487	7018898	8385584	7799005	2373012		2
4044895	5115475	6085940	4333032	4499508	1470498		9
588126.9	367510	663364.9	462492.5	435397.7	196105.1		91

1150138	850289.9	1028173	1151577	1096216	190580.8		4
1013849	40771514	29744303	26935731	22826823	2502814	[M+Na]+ 3'	15
17881139	11121725	16072899	20035536	14685922	9688740	[1056][M]+	230
1733992	75877.17	1044354	1451943	2125707	1160883		2
149467.1	277350.6	310445.5	184287	115573.5	123353.5		16
683526.5	670821.6	706458.3	322464.3	495240.5	677221.8		4
5185896	3144411	2641564	1741154	7889924	20294062	[40][M+1]2+	1
1001871	1005262	531567.8	3458652	1473022	133130	[M+K]+ 33:	12
2338357	873195.3	1330583	1804505	1038199	355097.4	[M+H-C4H8	12
2926815	2615111	2572686	2325490	2284166	3161735		381
939172.5	1155760	1081256	742592.4	778055.3	77849.4	[3M+H]+ 2:	12
738636.2	1097149	1022612	755494.3	807287	554467.6		9
378389.7	307988.1	342635.5	225990.7	579888.1	188826.4	[M+H-CH3]	16
5491303	5797277	5569256	4637623	5397532	4026233		4
1517645	1370145	1053980	1830585	1268907	691949.1		182
903093.3	1364716	1261404	729946.7	1036857	424075.6	[787][M+2]2+	4
30351588	21502383	25083448	31075411	24113394	8865452	[95][M]2+	2
8872386	15584767	8319630	7151259	14998240	18593454		2
570553.6	1909649	473085.5	777786.2	193080.6	271394.7		69
3681759	3557225	3313174	2989523	3402998	1584908		4
1979177	2232361	1835603	1535611	2961427	1623010		2
6433197	6054421	5683124	6130468	3945026	5385930		458
1322234	2516745	1402704	727063.1	1768781	4174694		4
617977.5	1810574	1284792	2533799	2777686	2669307	[M+2H-CO]	15
1799619	1123901	1186152	1217578	1625973	394066.3		91
940449.1	1231792	1149509	420884.8	276717.5	439502.6		2
229301.6	238956.1	231254.9	212271.9	86724.83	266309.2	[M+Na]+ 6!	499
155559.9	125740.7	99355.75	42936.49	138942.7	167134.6	[2M+3H]3+	16
9393628	5691948	6764918	9475441	5998830	5056040	[983][M]+	311
2369383	2398250	2422903	1910640	2773884	3093875		228
1163260	1125782	140554.1	127018.3	123652.9	136344.2		83
806003.7	1757845	523044.4	253768.8	754466.3	1459623	[574][M+1]3+	11
2288472	2610662	2266325	1810939	2749465	737554.9		9
92272.22	106615.3	237058.1	204053	129810.6	86215.84		45
6409631	6162316	3264974	4781695	4855945	883777.4		2



1682130	1760400	299387.2	1195349	1784003	4764671	[M+K]+ 32	3
1653803	328684	2369763	2552316	1677090	2627051	[1072][M+1]+	13
1506231	1170500	2224438	6055390	2349835	640443.2		1
3930540	6897967	4611919	2668870	5070582	7754272		9
1628772	3911795	1961076	787768.2	2476266	8589148		9
2528996	4482657	2167566	2408878	1087289	641771.9	[1592][M+1]2+	9
4883423	4071727	4242834	5656978	3796297	3827925		241
24776727	14317829	15151548	1.39E+08	7477299	4207592		1
1420929	1542337	2369613	898304.6	951035.6	466677.7	[M+H]+ 51	12
2646031	2488399	2023841	1620777	3179037	2080941		52
4435830	7305434	5122249	3996401	5374989	22991685		214
3393219	3584568	3621193	3510020	3342304	3157029	[M+Na]+ 3	263
4242056	1972729	5599468	5144176	1930184	2852054		296
539696.9	447528.7	461181	534836.7	295497.9	318815.9		203
1311653	1370702	1067877	912511.7	997500.5	635432.7		4
29525001	27266467	29653322	29405745	23627308	15055898	[308][M]+ [M+H]+ 31	72
775949.2	1787742	1807576	2048553	1147355	910231		1
1530185	1081427	1120291	896983.3	1059081	2523391		9
1725103	378531.1	690569.1	773279.8	1787182	39888784		3
1050680	637987.2	609475.9	1167408	691601.6	194835.9		4
4770311	5071638	5890769	3880326	3859015	897121.7		9
2377330	2468243	1048332	1549143	1016030	1449862		122
5683547	3142792	4932528	5237667	2658524	4625302	[375][M]3+	2
3183744	3235070	3701524	2837181	3104794	1748442		4
745375.8	600066.6	854887.7	526163.8	900017.9	55655.38	[1375][M+1]2+	4
1.02E+08	1.02E+08	85911679	93033783	94106372	47806629	[1287][M]+	2
573897.9	1023366	804675.6	462216.1	699584.4	1406388	[616][M+2]2+	9
679556.4	325287.9	438476.4	568428.3	304464.3	533018.4		33
374629.9	278748.7	473481.5	313292.2	285738.3	555038.5	[M+H]+ 50	33
880658.8	920657	2972396	507880.8	605618.2	470476.8		9
5106321	2608633	1761015	928690.1	1842805	4352127		9
522714.5	1065881	1562768	514650.9	745542.4	991621	[649][M+2]2+	9
21829905	10653288	17357505	22997903	9606701	445415.7		2
1108954	1172660	1194171	1559766	1402570	6802496		9
12559208	21678611	16889614	20316702	19481511	15348234		2

33227569	7251885	28336522	12240979	23833094	18756.13	[453][M+1]3+	150
30285044	33417100	34285341	24274794	27433291	20728041		4
2968871	5146331	1558619	8823835	2747896	5717539		1
515798.4	905254.8	770018.6	228314.4	935651.9	1681807		89
788358	1018229	483775.7	560718.4	808796.7	1115574		4
733072.9	3427781	3892035	911836.5	1263868	1990785		9
2483200	3114457	2719807	2035908	1950185	500213.2	[1007][M+2]2+	9
1018783	1320583	673922.6	536766.5	765320.4	923165.2		8
6664732	2930417	999521.3	4912901	6938558	3003693	[M+K]+ 478	15
391536.9	1468080	2109129	415061.8	815596.2	859025.9		9
4825824	4603031	6619395	6712292	2908627	4715456		457
31127013	33554752	34713884	24104855	28122744	22671053		4
19613772	16496805	18630400	27701267	10404170	8369010	[212][M]+	210
568092.6	685395.8	730688.4	539669.8	454947.2	0		9
1800562	979733.5	1749869	1581300	521067	6708589	[124][M+2]3+	9
22970209	18655256	19852305	15828025	18791863	11035439	[669][M]+	4
1312909	2064048	2103736	937614.4	1512220	983743		9
4790349	7217596	8140083	7522153	4726013	1927874		1
989661	456914.8	1025335	1204002	1050776	552759.8		4
1359823	1833555	2683248	4793573	3437911	559763.3		3
305123	440389.3	332803.2	181570.4	218929.6	53141.27		246
5142587	8190198	4768200	3728804	7959992	12638883		11
3041549	1266534	2453194	2082686	4821891	6817140		9
1289114	3663003	697410.2	1303922	882853.3	5746011		339
3453366	3690897	4081676	2912310	2965250	524139.4	[956][M+1]3+	9
921024.7	524959.9	141447.1	1129235	700626.7	2684853	[620][M+2]+	44
5959768	7064931	6191073	7095416	6207697	2605122		421
5645499	3550186	4092688	7529798	3041217	2542894	[1187][M+3]2+	2
1668419	3730960	3872628	735794.6	4944588	3348634	[M+K]+ 221	15
85189750	50470435	32121327	74196363	55694296	89520292		2
2771286	4327721	4202339	2600396	3700670	730205.9		9
43175575	67093863	37952707	36151760	40313328	1.3E+08		3
335110.4	492925.2	366770.5	367660.5	366805.4	427230.6		25
18333422	9050615	9962016	18335794	4492576	1538057		97
854872.6	1429238	1085939	841255	1734375	6485596		2

3512645	1621378	845815.3	2115174	6745924	1509450	[1381][M]+	334
2214313	3406461	3303969	1810552	2514464	716761.1		9
1299661	1888260	1801492	2005906	1895472	2456410	[M+Na]+ 60	150
223551.8	295016.4	262005.6	199548.6	194725.1	97016.65		484
4290568	788290.1	2306780	5055261	4361387	1930735		2
1166178	501722.4	2123574	1047837	866653.5	193196.7	[1364][M+3]+	47
1659135	3267218	4821654	2537015	3230790	2152971	[3M+H+Na	39
630272.6	919934	109427.5	417078.1	1161335	4490700		9
826497.4	486233.7	659958.1	1631335	1025482	1018751		4
992718.2	996480.9	1058632	864177.1	756718.1	629197.1		4
556166.6	0	802536.6	530244.7	451586.4	0		9
15247830	5719760	4254145	4482319	6761605	2503789	[3M+H+K]2	392
1304830	960949.6	3300764	874535.7	787555.7	231899.2		139
3367424	4449212	2863038	2942213	4538557	1692774		2
1752036	1756704	1515213	614377.8	1587456	461796.7		4
3166502	5038431	4943070	2613371	3371079	564876.5		9
16027426	1.17E+08	60181902	9999879	1E+08	35024902		90
147679.3	91780.42	163137.2	193848.2	156637.2	246373.8		203
457814.6	857028.2	704875.5	585305.5	755899.9	270183.4		4
19840581	11977786	1862584	14270260	21308271	52117282	[M+H]+ 54	21
4584726	4928067	4536107	3743394	4230330	2427379		4
1283667	1111816	623847.1	820289.3	1028827	1644969	[715][M+1]2+	5
1465429	2746891	4251652	1319236	1324535	2490953		2
1476728	1140864	995636.3	1595750	617443	875233.3		29
2097233	1255773	2080774	2265583	2487340	2407504		2
8978802	5372908	7828224	8885654	4456867	960261.7		2
11064539	18325412	11832286	7417016	12812577	31956939	[851][M]+	4
4918728	1877425	2202344	2155890	2089036	2008265		421
3146412	9466146	5135626	3678639	2700405	6144765		52
5504019	6099926	7142253	4396049	7149710	1623731	[M+K]+ 56	14
552194.6	803145.7	848852.8	310769.1	322698.7	622908.1		179
38887216	37240093	40481415	39287730	39174385	24691536		9
41382164	61016594	44045373	27064189	61361228	79317410	[1035][M]+	84
20916008	15133007	18082304	17924986	14589928	7594745		2
1239376	2844704	6523567	4528206	5018582	3717359	[846][M+1]+	1

1013722	1269201	1202568	698402	523727.6	638477.7		4
683234.4	1718255	3205440	631567.3	719739.2	832372.9		9
9080457	1894273	8581772	6227542	6473906	3076109		2
27067709	31206943	30510577	34049114	26311674	16213334	[1606][M+1]+	2
2566160	2930392	3764164	1898949	2827173	972519.1	[1471][M]2+	9
859512	2560547	1186472	436327.4	1796829	6026764	[M+Na+Na	13
3391058	3539469	3176659	2822328	3403692	3080811	[M+K+NaCl	252
30230663	21426160	25470692	30981940	24138258	9020017	[90][M]2+	2
357481.6	360378.7	905290.7	313234.3	340685.9	703765.2	[M+H]+ 37!	18
7509532	8064787	8385551	6126102	6881737	4107008	[546][M+2]2+	4
3280896	43565659	43867010	67250977	50934301	1.01E+08	[M+3H]3+ !	6
5970592	6455405	6144794	4890256	5669351	4277033	[114][M]2+	4
873407.7	853422.5	1109262	733280.6	817211	1554888		9
2895984	4542944	5321767	3341941	3394571	658178.2		46
3640333	5613429	3198256	3265310	3250337	4279552		295
2082697	3094936	4149082	1918528	2590556	524354.7	[1090][M+2]2+	9
2744994	1598659	2060321	3343635	1824517	1248552		2
11247569	6795001	8177801	6943303	6841953	316190.8	[1553][M]+	129
9567574	7192700	2162987	7844846	645426.5	34135249	[M+H-C6H:	11
1077318	926450.4	699290.2	0	809431.1	169119.7		1
10825447	3646029	654020.9	10463951	2507570	22542021		1
614294.1	1138141	800680.7	638271.2	756648.7	787298.2	[1400][M]+	299
25972653	29066613	14001635	24826433	24745118	30130135	[751][M]+ [M+Na]+ 4:	3
1315857	1225222	1630313	1576586	1168702	2509679		2
4182457	7846284	5051957	3408373	6300247	13539644		9
780131	555163.8	819295	883646.3	688722	522525.9	[7][M+2]2+	9
799740.8	0	2433172	2221477	1286864	8728111		9
14247238	8174416	10649162	14249386	8173099	1688517	[1253][M+3]+	2
2894452	1461516	692325.7	2628979	550235.9	2623825		9
2135193	2696479	2695349	1454059	2242990	730199.2	[M+K+CF3C	8
2150885	3772198	2620163	2308531	3584352	1197036	[1621][M]+	2
5391442	7044486	14540101	4405894	3458846	5671413	[668][M+1]+	4
414886.2	1424882	323692.3	948477.8	593167.4	1606968	[555][M+1]+	83
749869.1	1821061	1205224	527224.7	897680.4	1828584		9
1168398	1315027	1215759	1050664	1223613	895633.4	[641][M]+	25

2697727	4490824	3414817	3698542	1112163	826832.4		2
33205205	32514046	28662686	31341672	41439472	40807022		2
4857255	1591038	1899086	3124639	1496662	1269334	[M+K]+ 22!	97
729925.8	720181.4	726023.5	343080.6	806560.1	2549669		5
26093655	44483139	45039495	22793601	28885065	50146966		172
9300722	9350547	9430877	9516010	5354777	4393823		292
2604233	4760481	2628437	2136746	1873469	1767501	[1169][M]+ [M+H]+ 64!	86
1078754	1313158	1064848	947150.7	926604.6	5117733		2
2260657	22872655	10641133	2102741	12703486	72608641		1
1771564	1877437	851613.2	832006.9	3771690	1843351	[M+Na]+ 4!	264
2718680	1585997	1007371	1605305	1848944	954872.3		1
368829.6	268840	227288.3	348831.9	141901.8	219824.6	[932][M+1]+	285
8833664	8470319	4318684	8444009	803547.4	4261449		354
0	202103.2	366213.4	665706.1	639170.1	494509.7	[2M+2Na+H]	81
2208441	2202172	1404085	1489590	1907919	1692217	[M+Na+2K]	24
544909	560727.8	595270.9	360468.9	531627.7	45481.9		4
7614058	10315679	6197018	6819631	11683643	14643042		2
2398834	2442465	1698101	1847226	1394769	137869.6	[M+H]+ 30!	159
1289499	1186531	637654.4	696161.5	587385.6	377954.2		4
11473665	20592471	17786718	9260285	15307064	24474726	[892][M]+ [M+2Na-H]	38
11383829	13303560	15100104	9468756	14054217	15341063	[1165][M+1]+	43
1027459	1775656	1064939	399403.2	1081429	737287.2		4
5.84E+08	2.44E+08	2.21E+08	5.7E+08	5.62E+08	2.09E+08	[53][M]+	1
4650651	5929418	4606884	3375740	6307081	4066743		2
186296.2	199094.9	253677.9	78988.56	278370.2	187873.9		17
5072330	8657434	5021132	3475036	7701028	15958026	[84][M+2]2+	9
1224431	657540	911151.3	1130163	1266025	591708.5	[135][M+2]+	4
47146803	29780121	2374459	29822215	41636740	1.39E+08	[M+K+CF3C]	11
1123173	1044405	1408631	907723.7	994686.7	289566.4		9
3583524	8091594	1425065	2667410	4243871	18505674	[M+H-CH3]	3
633831	1701798	19339.93	1167006	1073228	721236.4	[M+K]+ 24!	84
1308048	0	1328757	1412253	1346273	264152.1	[M+2Na+2H]	13
1232440	146637.2	7681811	1015308	2605561	2908251		2
4491707	1019420	1641562	4236717	3647631	781635.2	[M+H+HCC]	14
3742064	2004351	2717609	3052169	1794710	7308725		2

119336.5	467351.9	260758.1	81461.38	156858.5	232427.9	[1434][M+2]+	137
2850828	0	2561410	2982093	2736575	541030.9		9
3613385	5822413	5538792	2797002	3855396	2009898	[161][M]3+	9
2699534	8734829	454141.5	319318.1	314160.1	261840.1	[437][M+1]+	16
5424599	9174896	7651895	4448915	6399392	8763750	[296][M]+	9
4124447	3630460	3604438	2647550	2865331	4671907		4
40877972	35293709	36009352	35098568	38946467	39379837		2
4089999	4543502	3985346	3929651	3662537	3521531		326
6293875	6299234	4275622	3520037	10452126	5745552		400
4472801	4634047	5102776	3549964	3741651	3386398		4
2719640	2380221	1895614	1679999	2305366	1163664		4
953486.7	600996.4	2001806	622507.3	2229634	4260092	[M+Na]+ 1'	6
2257306	2160097	2422241	2074039	2116820	2590080		337
477617.2	1756563	2718800	1079711	680524.2	908012	[1067][M+1]+	9
6591760	6683609	5613630	6029845	7292826	19128603	[1151][M]3+	2
599752.7	1317207	1381639	0	606953.2	0	[M+K+NH3	46
4942377	4.3E+08	86398762	2.43E+08	3.68E+08	4049138	[M+H]+ 45'	15
578145.5	534798.7	795452.2	54198.44	418089	606581.5	[M+K+NH3	18
1692367	2601103	3448061	2466235	1933487	1642144		68
741090.4	405187.4	1336254	934189.9	959406.9	550901.2	[M+Na+3K-	5
42597654	24806757	36099728	38603701	26576690	7795627		2
64401382	92240184	52527778	47615424	90156352	1.79E+08	[483][M+1]+	2
1510318	1780549	1149998	890374.3	1359811	1286087		4
530786.3	1277850	1142753	303652.7	381894.9	331101.8		46
548321	576432.6	473326.5	186772.3	353404.3	0	[M+H]+ 29'	12
1892927	1484120	2186604	1611892	1689204	134377.1		13
4807215	3388740	3628826	590171.3	12582999	3802546		375
555251.7	981274	543427.8	336004.5	765228	1407055		8
4125815	2279150	3040843	2398985	2480027	218352.8	[835][M]3+	280
1702862	2915138	1071672	1444823	2322253	2307008		9
3500457	7100401	3303632	3099906	7115307	6937079	[1349][M+1]2+	2
5915094	2993004	2996654	2992582	2854027	2700074		385
1507773	1881350	1479815	793504	1395257	1027929		9
1031432	1649518	1274646	930215	862236.8	653449.1		4
12402692	4109843	4109426	11117943	13182979	6196465	[M+2H-H2O	15

2787117	3373786	984667.9	1276414	1136189	10841981	[126][M]+	285
1964247	3008709	2687112	1768965	2179817	773225.2	[M+2Na]2+	13
6839072	4489028	7018386	1028930	5277741	4443310		307
2890598	5081050	2909632	3480774	4027806	16096378		2
1225499	1342885	1176469	1477902	1528695	1583047		252
671977	652379.8	1011810	563966.2	678834.8	52927.08		4
474058.8	1738288	995122.9	91208.13	740392.1	2679456		9
2481060	1510203	3459996	5865869	1.01E+08	47750167		2
127475.2	395863.1	199254.4	85043.71	442737.8	225978.9	[1055][M+1]+	24
3681163	1479284	2991546	3220476	1441281	0		2
2760863	345491.2	1225320	1904734	2462959	1110729		300
37332930	40066319	42270595	30064219	32015951	20301824		4
2973473	3468790	2155491	2440497	1533691	2287716		317
131816.8	1012231	545748.4	0	56673.93	2648431	[M+K+CF3C	46
1210115	1265674	1583642	917049.6	971233.8	169941.8		9
3413437	3515620	3258056	3440437	3162376	3379851		408
861592.3	2620801	2660677	1081042	1044789	286099.8		4
72864.22	88754.41	116467.1	280896.4	123689.9	477826.4	[M+Na]+ 2!	220
3222922	1703822	252729	2113568	2568920	3093103		4
1079591	1167434	1226440	733496.9	1044024	0	[1129][M+1]3+	68
5561434	4048106	4946447	5438778	4982519	1288736		2
13929221	15015083	16150593	11409854	12004617	7549003	[135][M]+	4
692850.8	721507.3	880452.6	708641.7	1072583	576396.5	[3][M+1]2+	9
15189828	16062814	17572773	12195086	12903709	7912995	[1317][M]+	4
122238.8	618312.9	122516.8	796348.5	54834.94	154817.7		176
0	472292.6	514075.1	0	120386.3	965414.3	[1573][M+1]+	18
5130453	5543682	8580772	5314992	6068541	2596475	[M+Na]+ 2!	264
742764	1633750	1952326	497690.9	1234310	351998		455
2884029	3274175	3979979	2129833	2401361	496593.2		9
477752	1821186	1344790	781393.8	604509.1	3187292		9
3632792	3571813	4053177	3149662	3304509	2174457		4
522712	0	145803.2	347648	730770.1	233642.1		9
998690.3	1079257	468987.5	222389.5	705282.7	597081.1		4
12754373	9321016	8969236	7621902	6958279	637704.4		286
501176.6	404240	633710.6	526489	227019	283276.1		284

34772261	44405378	66817432	37494089	53595587	36783920	[1537][M]+ [2M+2Na+	33
4776604	4562870	2626900	4181318	2595173	7728462		2
2102275	1811182	2749956	2343299	1751817	1144987		71
922573.4	3562538	3112560	624803.7	1932348	4519908		9
1629907	1689088	1571440	857472.5	1229276	1188891		4
587458	2337093	1781424	1100974	1381401	560657.1		46
0	917280.2	0	0	386433	2556032		9
539227.6	521052.3	633431.7	602614.8	222003.1	656593.1		108
3696990	4381586	2187173	4531122	3943515	1728367		190
3334862	3306082	3417036	2940685	1971602	2203298	[1488][M]+ [M+H]+ 83:	100
1677879	1212105	5086011	783425.8	6963664	494106.7		15
2251427	3222938	2132481	1789195	2199886	2940053		2
876595.7	758555.9	524449.4	753865.5	943336.8	592583		5
3532114	3316103	3492320	2430729	4444074	3128932		2
3104270	1086534	349155.9	1393136	3221682	1917304		1
1907714	1335436	205389.5	1627344	1753846	1194303		254
409959.9	387830.5	526149	311652.5	408220.1	141815.7	[1333][M+1]+	17
622405.8	1117894	421790.1	314861.1	440264.4	1274009		91
1069576	626722.3	472177.2	807403.5	776244.1	1764473		42
6339447	6514833	4144865	9555631	6304442	10244842		208
111780.9	482758	189496.4	110747.6	114338.7	8209.382		462
1708634	818785.1	1109014	1493705	892453.2	0		4
7374826	7669403	8273266	6519781	6703583	4318986	[134][M]3+	4
1305044	2860304	2639023	944494.3	956175.6	313930.3		1
469334.9	818454.4	1024018	185493.5	611417.4	2636825	[1003][M+1]3+	9
128892.9	214803	185684.6	115440.5	184377.9	87589.35	[647][M+2]+	110
73932346	78527341	69625979	81416011	73087179	61682696		2
2345750	1843667	1724284	1125313	2212631	925129.1	[M+H]+ 35:	6
18212782	9470831	22523873	21496762	8334413	10607629		160
1307884	1364624	1470667	1199766	590123.1	999091.9	[1587][M]+ [2M+H]+ 5:	20
15762402	20455757	17600379	11748312	15922632	12333918		9
3934577	6566005	4051715	2495245	5502255	11706849	[613][M+1]+	9
828332.4	1058623	1909141	842877.7	670706.5	0		9
1442237	0	1270098	1333781	1213625	873705.2	[3M+2K]2+	8
406847.5	953406.6	807024	471463	734109.6	1381277		9



0	593529.3	108015.7	0	493844.9	0	[3M+2Na]2	46
11875531	9415312	8786036	13943231	11179263	5248116		2
590595.7	445937.2	723846.3	339521.7	624306.5	70051.22	[493][M+1]+	4
422456	43339.3	348855.5	48335.37	243300.1	2472107	[512][M+1]2+	58
392707.6	366571.9	285558.1	861227.9	444129.9	161766.7		360
1146121	2088412	964765.4	3023601	1553090	1862027	[1214][M]2+	33
1515133	1234684	958396.4	2000102	922255.7	1176430		9
987097.7	1129088	1617880	1045728	515745.5	555571.8	[1533][M+1]+	167
1228330	1482249	2594966	884631.1	858819.3	1650824	[75][M+1]+	9
1639694	1573993	1852225	1457702	1451992	816912.9		4
2028164	3754614	2963748	1909690	1831158	3079601		62
5893303	7889879	7311636	4783758	6130909	4038287		9
17152093	13131295	14142510	16817147	16135027	5499861	[M+H]+ 36	14
618701	876397	0	1442099	685032.2	2625247		9
6020000	6030771	4677683	4699854	5158253	2940309	[1104][M+1]+	227
185399.7	309276.3	285928.2	125964.2	154837	76935.42	[M+H-C6H8	16
11697543	6917468	5731677	11025180	9415135	2207981		2
709496	1465380	1306708	829700.4	771332	1359978	[3M+Na+K]	38
17760702	28316463	10438591	17030430	13875995	21688069	[M+K]+ 14	3
1689163	2171421	1831400	1803862	489825.4	244337.4	[M+H+NH3	135
5755130	2884499	5562593	4297621	4535870	879849.6		66
3616063	2262365	2854120	3400877	3254306	510849.8		2
11334062	6928007	10162645	3335522	12697607	1774230	[M+H]+ 18	3
2719314	2455731	1918408	1702088	2036192	922917.3		4
3133436	2755903	5917314	2620214	3250624	862316	[M+Na+NH	14
1240145	745388.1	1954946	1477754	1391413	618087		4
15727856	1413627	336453.5	11573967	15530099	2873412		4
3380368	2702596	3156761	2803193	3198240	2665746		2
268176.4	191300.2	1671244	158724.4	1723821	1474937		152
1054475	1131027	1621876	972534.9	1650230	886241.8	[M+2H-CH3	6
3242833	6763697	3561987	5120765	7004836	5658852		1
2129893	2315749	2299777	1740040	2036670	1548120		4
896041.9	760019.1	1105486	1112797	347943.5	841144.7	[1436][M+1]+	340
527855.8	454318.4	140309	648773	194187.4	425567.8	[575][M+1]+	145
1.29E+08	72144039	1.05E+08	1.28E+08	70194481	2469113		2

2316710	3776531	3780196	1821744	3160937	2103467	[640][M+2]+	9
3798732	134558.8	822776	811971.6	176552.6	5556273	[456][M+1]+	94
3847596	11257546	3791859	3618609	10740480	16226454	[M+H+NH3	3
228015.1	240990	252128.4	450363.3	189824.8	349047		243
21611990	21435599	16734008	17097999	18488561	10809345	[1104][M]+	227
976732.8	1800952	1580556	1186228	824276.5	1079131	[M+K]+ 65:	12
1481879	1079927	1556040	1003397	957417.6	208772.8		4
4296576	2716431	1639520	4718762	2327750	1654937	[911][M]+	395
763766.3	1078778	1092304	1014676	561704.9	1375739	[3M+2Na]2	16
585056.3	495637.6	692556.6	652306.9	601609.5	0	[336][M+1]+	4
179390.3	76373.95	344462.1	161258.9	382644.6	116705.1	[131][M+1]+	297
3485899	2728603	2985852	2952327	2763834	4367233		2
4432759	5713598	6149639	3961782	4671658	3864220		9
5516188	5130536	6271597	4784295	5072410	2781698	[270][M]+ [M+H-H2O]	72
459946.9	484670	1739598	1413450	1147097	6694614		2
3090022	874493.9	832089.5	386847.4	3838946	1049223		4
2264279	3559001	3261149	2342991	3461547	3366443		9
2317953	18753159	2834937	13348014	19379920	15019896		1
1648969	2554847	2037994	1285950	2214121	3620046	[547][M+1]+	4
8829369	2628967	2478816	2755908	2606991	2457068		316
47023322	3832764	47194838	4231831	3074410	45426697		140
37816574	37381554	39811531	40841106	29502688	22559605	[292][M+1]+	48
18699682	31490385	18845384	15265204	26693708	55892910	[609][M]+	9
0	1364535	1027848	417477.2	199448	0	[M+K]+ 47(	46
1671838	904564	1095649	554015.3	1024858	0	[717][M+1]2+	235
4557123	3410227	1739525	3934905	1552906	897280.8		1
2989492	4492609	3296974	2085162	5085507	5194830		2
12794186	9890723	9139082	8487582	7069047	251327.3		286
1490093	2160687	2764684	601379.1	1391635	364706.4		1
2212684	1483114	2332865	1242926	1168658	56845.66		200
7387141	1983325	1917980	7489221	4463149	7932199	[M+H-COCl	97
3207906	3176379	3963360	2726705	2931201	1276129		9
2089485	1436410	1614932	1703906	2973763	5290472		2
5208913	5667986	6499228	4972208	4534396	4200865		135
9865155	4998297	4941880	6379375	5223288	5045396		365

44354101	1.29E+08	49115440	39136896	37733718	27660863		74
36160199	47844404	30016270	35263256	61696011	1.14E+08		2
2379501	2275285	1974907	1496729	2135241	1002625	[M+K]+ 556	38
626807.7	1577407	771450.8	404734.1	1000731	3751966	[287][M+1]2+	9
8006551	11418580	7051197	7332565	10778783	8578272	[1372][M+1]+	2
6315003	9089340	7620918	3864946	7089241	4241725		4
1474521	1496878	1860334	1282734	1823771	1779857	[1165][M+2]+	43
43793910	56357093	50514047	37864266	38967530	41830873		9
6381950	2798665	5668978	6559505	3847057	662502		2
16693023	21141894	31855607	17633755	26220126	17334514	[1537][M+1]+	33
2450399	8401866	8.32E+09	7813617	6.9E+09	4.24E+09	[M+H]+ 456	6
1.05E+08	4220525	89808319	1822295	4594390	14900165		2
8818135	9633878	10146065	12063824	11526423	0	[1622][M]+	2
9170497	6328434	6235438	9438654	8206780	3285499		2
203467.9	270657.2	315663	149064.6	270453.9	44605.27	[M+H+Na]2+	23
5301782	4420690	6362453	4258937	4766495	1732411	[397][M]2+	17
5742427	12250640	3436661	28289084	32401506	33602746	[M+K]+ 356	15
3225757	4048318	3892211	2081855	3353139	3089356	[107][M+2]+	9
8479461	4974037	6885891	9714271	4732836	6875103		2
1430262	2097754	1415560	889607.7	1787533	2478718	[289][M+1]+	9
8057940	14362423	10071322	6411107	11085604	24717417		9
2890165	2838280	3125643	3508402	1694924	5657473	[1277][M+2]+	2
807453.3	346813.8	347863.6	699016.4	278258.8	86253.45		4
444366.2	209886.3	338083.1	340814	71516.12	232067.4	[1416][M]3 [2M+3H]3+	72
2747631	865878.7	3705482	2635375	2787042	3006143		208
4116651	2639492	3350452	4269583	3000046	5769005		2
9419081	2526470	86699723	7471460	17594752	42555685		9
1.41E+08	2.63E+08	1.92E+08	1.25E+08	15039091	2.15E+08	[846][M+2]+	1
2730556	2601603	2273028	2240669	2474191	899849.5		4
3065827	8710955	2980121	1765911	4266036	14816496	[M+H-C3H]2+	15
261024.8	175879.6	192880.4	180310.3	102597.2	85353.95		306
26170529	724157.6	52050326	82817232	719996.4	1310782		9
481305.5	158461.2	157510	205355.5	216510.1	130880.5		161
1615933	2027351	1024631	1639017	705735.1	187383.1	[M+2H-C6H]2+	97
1.58E+08	1.83E+08	65867981	1.9E+08	1.63E+08	3.77E+08	[620][M]+ [M+Na]+ 306	44

4636754	5363601	3706945	4140278	6883822	4300621		13
5497153	2787911	6313736	7708315	3227160	2318469	[249][M+1]+	154
2982943	3137115	4210236	3285691	3054419	2924040		279
2892920	1742855	2474831	3765806	1734060	370515.3		2
7920547	14085019	9959027	6265868	11083980	24524724		9
4341080	3308939	8092918	4041622	450628.5	516161.7		192
4564775	2806367	4755691	3355520	2656142	0		2
1325029	2922462	2704046	996421.4	1694847	3682942		9
38594500	46753734	36284236	34838323	42941176	33975648	[1159][M]+	2
328863.1	332212.1	163594.4	358701.9	308932.4	312504	[M+K]+ 506	16
1730218	2728186	3228982	1409389	1388673	496641.7	[179][M+1]+	9
28100191	32915935	26259118	15845806	26655801	29702452		42
3872216	2294260	2386740	1230933	1901287	0	[835][M+1]3+	280
1179884	2653258	2769057	1369034	1812093	256698.4	[3M+H]+ 2:	13
846408.6	791506.2	1230286	647399	892697.4	763649.1	[M+3H]3+	13
1940843	2233351	2317482	1692612	1389434	623823.5		9
824239.7	3071953	286157.3	545619.9	243515.9	879684.2	[M+Na]+ 3:	56
15843716	7670682	13587096	14926428	1882657	4366736	[M+H]+ 34:	97
6043717	3444404	3239262	1859970	2680676	2431267	[449][M]3+	25
6607498	5823874	5390034	4777571	9094351	6531180	[M+H-CH2]	253
1207634	1291652	1205107	789881.9	1229551	533261.2		4
583339.1	0	489218.2	451535.3	1528175	7584105		9
1932692	828973.3	2205855	1821710	1668343	2890186		2
423233.7	979656.8	1365691	362715.9	954735.8	2651231		9
7247501	6330113	6061484	5724167	7835545	7358451		2
1623034	2329374	2322640	1127732	2304603	2258527		4
534071.3	1765475	2727665	1710822	877928.1	918974.4		9
22143209	55375184	31880176	9672767	23480399	5652862		90
2499195	2780779	2672485	1960422	2501028	976631.9	[240][M+2]2+	9
1187948	796722.8	700749.1	339520.4	220846.3	361838.7		107
9788266	15199937	5415331	10420694	8057746	26853759	[M+K+NH3	3
1554375	4007194	3151337	1305737	1782978	1828269	[2M+Na+K	13
5316075	4257642	6099162	8987872	5396407	5374427		379
2669229	1852082	2207966	1902114	2128487	2489679		2
1347189	2174492	4211506	533754.1	1543031	2136826		9

38492972	23248461	32152157	37779027	26274760	7670801	[1237][M+2]2+	2
1357424	823486.5	1362290	2116608	1589991	294868.6		2
433661	1221831	392256	58964.9	531452	2320361		4
42878327	71047689	50865279	34702442	56121671	1.13E+08		13
883625.6	1608680	971642.4	791803.4	499287.2	791654.4	[M+Na+NH	81
662300.3	587979.9	1728703	273754.4	713625.5	2382572		1
1856870	1362850	4187475	1724927	4648296	1191155		1
1782215	1503719	109982.7	2228261	1600086	267276.8	[561][M+1]+	256
2520497	3742980	2606594	2381185	2488020	1170755		2
1132475	68633.53	242307.8	1012345	802032.5	407627.5	[703][M+1]3+	9
3887308	5147936	6616035	4091235	6122294	3774535	[1537][M+2]+	33
62868653	14345041	44713597	57874120	1459567	947326.7	[2M+K]+ 2:	6
2924957	3139619	5715999	3542472	2527136	1487163	[16][M]+ [M+H]+ 19'	116
462466	420311.2	1068284	65916.02	169048	751070.6	[M+Na]+ 50	18
36630300	29923625	40016577	44402491	40894077	46654956		14
1324433	1029794	1200785	707300.3	994605.5	397535.9		4
1301472	1020504	1510153	1018911	1044956	506355.5		4
1678495	2635605	2388395	1070362	4619219	4156226		1
1770839	3640515	4396440	1490388	2718022	1046137		9
14445503	12381767	12444211	14330164	12908352	5818964		2
6519045	9625348	9097663	5754498	6379870	2421767		9
1404171	1110809	718015.2	1384092	545742.5	302994.2	[M+K+HCO	12
988064.7	1484006	1582400	375104.8	740181.1	1542548		1
926925.1	34428.18	330140.3	832769.3	785010.8	760222.7		9
452693.8	1041118	878444.9	376159.9	628032.7	1745059	[1199][M+1]+	23
27072250	32909281	28966524	25324251	26714239	22086101	[1113][M]+ [M+H]+ 61'	35
1174904	1795016	1092620	910491.5	1271128	2673097	[M+Na]+ 7:	81
18644020	18967129	18346495	12085937	14899845	10371439	[190][M]2+	4
3495785	15511020	3869958	17781120	21506861	5792567		1
2824636	1597838	2196992	3074785	1178994	1457022	[M+2H]2+ :	12
16388329	12052070	15767062	15835987	12953845	10745866		2
690700.2	44965.42	1854162	1516018	930941.2	1591751		9
1081936	908098.3	1248672	1441144	1388230	715656.8		4
3576662	4621732	4179713	3071381	3276910	2278471		9
7457877	7761957	8609768	6026272	6506678	4183953		4

4221179	2711711	2392165	3458331	2643715	7630234	[677][M+3]+	9
6328237	7885802	6582246	6514616	9068110	9633320		2
991040.1	1176184	236280.6	265493.4	515307.9	285588.5		4
502532.7	582960.7	519728.7	424533.2	431409.4	321945.4		4
1208689	1291073	1519557	942117.2	1023081	957576.8	[772][M]+	51
6368559	6377905	7852209	5447607	5956502	3097019	[888][M]+ [M+H]+ 48!	33
1127450	1182430	1460032	839427	933006	3069641		9
1.86E+08	1.93E+08	1.6E+08	1.64E+08	2.1E+08	2.12E+08	[389][M]+	2
492204.8	177177.5	482521.4	704470	190292.2	532250.6		102
2110712	1006330	2907147	2515708	1196462	1376575	[110][M+1]+	211
1770067	3594492	2831031	1357211	2720175	4861488		9
2659260	2316664	2799334	2654731	3006292	281095.2		9
300556.8	1706503	1112673	349042	1308184	716475	[1228][M+1]+	6
530474.7	595202.2	2039954	6744539	10319313	23248463		3
1917489	2396555	2318984	1892544	2135817	587880.8		4
1307891	1481729	1024186	1220933	755987.2	569824.9		38
214320.4	610090.4	450565.1	114499.5	127542.4	714577.5	[M+K]+ 25!	5
70196160	74330505	49842901	54019709	45951913	28033786		215
1207289	1873786	332996.7	1401120	911214.7	3497219		11
582321.8	69387.25	1709785	673972	414050.7	180605.2	[M+H-H2O]	38
1217856	3459076	2723939	1689235	2354031	2896622	[1387][M] <sub>2</sub> [3M+2H] <sub>2</sub> <sup>+</sup>	62
660587.6	1209399	1151487	501976.7	943375	2683002		9
3626691	1573553	3172859	6540190	3710830	3316509		424
6237789	5094267	5751000	5589416	7338621	5546758		263
36677657	363361.7	51671504	2704872	2420282	345501.4		63
63366436	36768389	45687005	39375210	38230561	1889872		129
2157383	1524906	3114831	2745047	1165302	1882204	[M+Na]+ 9!	351
5033066	8448731	9163748	3636802	5619535	3798897	[1291][M+1]+	9
2390412	497812.1	2072126	2952029	1524701	125445.6	[M+K]+ 16!	46
2319800	2406523	2310315	2393413	2372542	6626676		2
1352772	182054.4	955917	1066977	847528.9	1261988		8
13213485	2891045	10096633	13451784	6314880	10680389		2
2889841	1535335	2293882	5483753	908865	1125082		93
67743332	55572377	1.65E+08	1.06E+08	59560289	29689288	[24][M+1]+	85
1187424	857311.4	328422.7	965272	574059.3	2229704	[M+H-CO <sub>2</sub> ]	41

17354589	22674548	34388843	13010263	13442405	5711375		9
18473153	31368270	20110579	15037475	27159012	55866660	[613][M]+	9
664626.9	321945.7	866080.2	588261.6	514559.4	40299.79		4
318113.5	834329.8	776462.4	400935	304887.4	1961534		6
1990208	2389887	1993762	1269664	2212393	4704460	[1061][M]2+	42
1691328	1838280	1999465	2366771	1972370	739002.3	[1384][M+1]2+	62
1695092	2401061	2238963	1557219	1833242	1424976		9
17087262	18033712	15840959	18620206	16807619	17574291		2
2206389	2090014	3222394	13125846	3553837	775772		6
1514753	901658	1658905	683922.2	2017758	582991.3		1
1943411	2200740	1697446	2100936	1264831	2096743	[32][M+1]2+	2
736884.3	0	0	213703.6	1009996	152105		1
605692.4	508794.4	686928.5	844852.9	507086.2	52687.78		4
507777	684213.1	302090.1	354682	856513.3	896326.8		9
14203783	5897722	6715865	14035525	9613720	3610272	[M+H]+ 22	14
79225.64	69549.29	179285.4	56734.03	64210.7	53421.26	[M+Na+NH	72
44526235	55847559	50560582	38567162	49807864	41811109		9
43194705	71365626	50891043	34444388	56132703	1.13E+08	[M+H]+ 39	13
1354965	1640929	1580915	907712.6	1436655	930440.9		4
3852965	3329433	3985994	3993637	3491686	3706603	[M+2Na]2+	185
18320392	23254162	21238266	15558988	20774415	17270413		9
330000.7	1019104	1041081	0	299970.7	3964684	[M+H-CH2]	46
2981239	2104158	2756009	1963330	2778156	4852242	[380][M+1]2+	2
342844.5	540707.9	123528.8	177387.6	633177.3	1103003		9
958822.1	356603.2	930749.6	1036401	1099111	1503584		190
29210919	14240758	23424927	29895543	14254376	2684212		2
385688.4	836599.5	1033505	563405.3	801318.8	804354.9		4
5299661	5135319	6183851	5203362	4359938	12946526		2
1300084	2726858	1872169	834639.5	2451359	2228190		9
20270991	52555190	27938713	7708993	13814277	36924933		20
5037626	5343693	5041568	5043681	5156585	8148973		453
4766965	10545189	11483689	6257565	8000564	6903680		1
385690.7	523286.8	694268.7	420849.7	642039.5	455254.1		305
6386214	6377012	7545954	8427199	7358782	10447185	[M+Na]+ 3	24
12476488	13421143	8458306	12641972	17995232	18990903		2

7895975	10425185	10523903	6188402	31481020	7668885		1
3343390	2341753	4357815	2256175	1896422	263141.8	[458][M+2]2+	139
3020959	1048549	3500384	2932342	3533468	8586289		2
4397177	2879287	3463155	3343076	4586116	7590193		2
226386.2	430843.5	306001.6	224487.3	160252.6	68723.17	[963][M+1]3+	247
1923458	2131323	1209241	1251244	1264149	1119842		329
2043175	2793146	3157359	2543354	2653011	0		13
3494364	4749448	4574941	1613619	2955114	2022083		15
676454	3126043	153841.9	1095959	2057750	1569057		11
3752522	1725218	2597093	1828388	3566937	900524.1		4
705214.9	1098048	964682.9	831708.8	676373.8	320893.3		4
1967462	1786019	1675028	1339559	1621928	870428.3		4
6141608	6531428	6318328	5062385	6678645	8180877		4
1753369	95295.64	1055352	913084.9	582460.7	0		1
2134130	133036.6	115779	1025450	1355016	456034.5		1
6112918	5673078	4664359	5547925	6346261	4901272		386
12774490	5680541	1985689	10271628	6653679	16140466	[489][M]+	2
1772241	162718.6	1281324	1439862	1272761	892695.1		9
296116.4	967888.4	421140	155017.6	619766.3	1133776		9
1481865	1334884	1862569	2652307	1475819	924124	[1339][M+1]2+	62
815448.5	791929	652376.3	901052	564135.9	754243.6		366
5998124	5739374	639240.5	3964148	2249093	3498417	[3M+Na+2I	11
3066544	3458968	2904112	2685719	4000796	3069616		9
13017723	15159966	7243766	12178190	12117291	13214481		3
1.24E+08	1.18E+08	236892.1	415618.1	1.23E+08	134501		43
3812065	4891272	3248795	4418127	1558681	3283279		389
2755663	4095756	3730203	2217188	2687286	1084551	[M+H]+ 47!	8
2298770	4186903	1559281	2231601	1481790	1947301		2
3222371	4171296	4091833	2508026	3397137	2328261		9
352824.5	780828.4	1487206	0	447163.4	1984728	[M+K]+ 33!	15
1859937	7306816	1784435	853301.2	6070127	15283228		84
4025287	4639078	5239708	4080372	1931613	2046155	[510][M]3+	2
730823.1	273660.5	613929.7	231413	615025.6	173488.8		44
532288.1	401268.7	565725.8	468616.3	427491.9	245445.1	[1540][M+1]+	71
404280	682849.4	1128044	2845234	364827.1	1499966		52



616098.3	1199400	588483.6	387199.4	474470.6	634204.4		9
4121332	2309743	6664186	3273263	2926967	2897607		341
4609969	4500961	3790990	3420302	3960809	2212238	[883][M+1]+	4
11773543	2624038	16217100	2904180	3425044	0		2
9533813	16808035	14370273	7133280	11499035	18180788		9
3657397	2614678	3313352	6779272	6972655	1090350		1
4023401	6532614	1533441	1470936	6089919	2902865		1
1143152	1577349	1320540	932685.8	1068865	485593.2	[M+H-CH3]	8
3136707	4273833	3516868	5011551	3402338	4217644		2
2875950	2449973	2248458	2386384	2756333	1043808		4
2092824	2617407	2853388	1680836	2046572	801445.6		9
6875732	6220514	2521450	2695374	7488273	5739400	[M+H]+ 17!	3
30764586	24770274	25159287	25512127	21796281	5719199		2
2209728	2370433	3084716	1683251	2209513	483714.4	[993][M]+	242
456847.4	567467.5	628431	577712.7	246033.1	165182.1	[920][M+1]3+	23
11647556	1223522	5965112	10781628	2665072	2743267		15
13017632	4406208	7321521	8320447	86517900	4386775		1
4323024	3718840	3272196	3154581	3091356	768469.7		12
3436675	3810207	3752618	4965961	4660731	4983541		226
3270888	2076372	3248042	3883877	1673905	1308191	[1485][M]+	256
333345.8	384965.1	487038.4	1061385	138626.3	469250.5	[M+2Na]2+	18
15801300	19307767	18698767	13443361	15220315	9188127		9
546709.7	295234.7	298260.7	226914.2	257532.2	13903.01	[3M+Na+K]	86
47393329	57070606	58035208	36024219	40863899	30218758		4
6012484	4112852	3267304	6051352	4252600	1286161		2
222976.8	258584.5	173356	169807.5	149038.5	861738.4	[M+K]+ 20!	136
363143.4	325854.3	301212.2	267251.6	383377.4	860473.3		5
32587419	31056938	37100176	28215846	28830639	16573135		17
3179078	1153905	2811491	2474421	1639140	1984738		2
2437422	2275081	2013542	1500051	2303519	1473975	[3M+2H]2+	29
8235862	6843552	6253960	7444309	8049284	4413155		2
6793654	18906895	15486630	4701159	12706895	25251677	[1458][M]+	9
1902026	3899242	2705629	1063782	2424923	4754936		9
905683.9	901960.6	819843.8	1001252	731032.9	501080.8	[171][M+1]+	128
2521184	5023087	4286355	1649128	2839941	2984354	[M+Na+NH	13

1003016	4940143	4599770	4353273	4829816	4505713	[M+H-C2H <sub>4</sub>	257
470814.1	324375.2	650306.5	800220.4	453681.8	370576	[524][M+1]+	410
1861234	3394876	2763914	4489136	5864672	1428237	[M+H+NH <sub>3</sub>	3
1844941	1216358	1728425	1296959	1240619	3427455		2
1548125	2167406	1510194	1189133	1552513	1200516		14
259318.7	1181640	176837.1	212637.2	255241.6	192910.3	[M+H+NH <sub>3</sub>	56
6754645	31370834	15598887	6866024	7070521	8660673	[836][M]+ [M+H]+ 46	20
5883053	911790	3930511	1677404	7665669	3826617	[M+Na+HC	252
4997078	3480173	2370782	3561790	5455719	6774726	[363][M+1]2+	2
2063141	1471460	1872092	445412.4	503585	912738.4		4
1136167	1474419	2124758	1037506	1142802	1939397	[M+2H-C4H <sub>8</sub>	14
2318352	1806785	1623457	1228160	2862106	8436567		2
2844661	1628159	3064514	886562.7	2367267	827017.7		53
7370188	6537381	8844615	6534108	6762723	4046280	[1110][M+2]+	43
4946854	1815845	6795431	4395512	2329411	10401821		9
15654397	20588273	17510642	11841550	16174530	12160981		9
142576.7	1017461	1471361	105875.6	596177.3	0	[979][M+1]+	9
7805758	8412403	6842075	5717401	8680121	6977690		2
3631704	3728626	3116436	2702156	5242307	4583201		2
5716335	2194933	4703304	9129996	5188442	14625598	[555][M]+ [M+H-CO <sub>2</sub> ]	83
677148.9	1041693	991715.4	531446.9	665070.1	642053.6		8
31979345	61155363	54158275	18150045	69849996	24986507		1
151868	54889.09	324399.5	286981.2	194049.8	98933.04		62
547090.8	1063055	1086087	651525.8	604283.9	527816.5		4
5358830	3561395	3103830	6791305	6150496	2364816		2
4603878	4099355	14867244	3617173	4794678	2732085	[578][M]+	9
1793630	2455746	2265674	1350571	702766.3	3388195		4
3616670	2580084	3203209	3482348	4097931	3106619		323
9314123	10939050	924810.7	6451218	10063702	10168452		11
1100224	494346.9	356937.8	385978.6	1197148	726412.6		1
370496.7	160316.8	464732	3115049	573668.6	1662783	[M+K]+ 42	8
3812201	4465142	5566059	3343299	3331034	245645.9		9
3318883	655273.6	414631.5	3089948	1104507	0		9
313824.5	308108.5	470433	482745.9	284858.5	773253.2		9
615196	33438.22	1666323	529103.5	528008.2	768989.7		9

362988.3	319525.6	817919.9	273797.8	161190.4	524816.1	[M+2H-CO]	18
4062299	3989582	3798486	3936339	2815378	5947155		266
7921590	4576062	7777624	10589718	4594056	7553582	[M+H] <sup>+</sup> 10	319
6888473	10207018	4491707	4549592	4752268	4275583		253
6182872	7317350	6830785	3799607	6833958	3321047		9
2895478	2899482	2625306	2806399	4515098	1871601	[512][M] <sup>2+</sup>	58
1443267	2392862	2687128	1426760	1316835	405990		9
5383569	5259368	5448512	3973385	5078284	569979.4	[1351][M+2] <sup>+</sup>	2
3100079	4263874	2831880	2421680	4305627	3777665	[M+2H-CH <sub>2</sub> ]	13
408590.5	496745.8	729886.3	284477.1	415696.9	634583.7	[188][M+1] <sup>2+</sup>	4
2863755	5889688	1599638	4929927	7009058	936340.3		2
1777882	1116476	3229956	3154487	1194033	2978160		288
5082824	10207017	4724030	4810184	3130907	4195628		250
949450.9	240284.6	477977.6	369662	619460.5	34365.34		142
857525.4	630372.7	235938.7	412602.5	755893.1	0		9
749573.7	750469	840675.3	579648.7	757401.9	237030.4	[3M+2Na+]	14
3083887	9161829	9654682	2026799	4576502	10327466		9
7304049	5122846	5232121	4665017	4443524	328489.5		286
376619	1342513	1064634	73738.32	614326.4	2578743	[776][M+2] <sup>2+</sup>	9
4248122	4182066	4416779	3527187	3724262	742244.1		9
7815092	6761607	7055630	6989005	9403523	8124675		2
269344.8	811251.1	257325.5	223486.2	145814.8	65009.22	[1405][M+1] <sup>+</sup>	220
0	1235835	1974571	0	1073056	0		1
3940593	942020.1	3490384	4503634	953201.9	1645448		2
1039353	1021241	1265942	700978.3	412601.4	1181756		9
4020810	4657860	4007626	3622985	3559151	2253959	[1138][M+1] <sup>+</sup>	23
1270236	853760.3	536319.3	892554.2	666503.9	624274.7		133
236781.6	304684.1	195904.8	211237	204713.9	258496		277
7084337	6742929	6827376	7728498	4698875	1154382	[1605][M] <sup>+</sup>	2
395564.6	347437.6	916338.5	233411.2	111808.6	235001.7		302
674319.6	1486300	1383733	332292	623372.9	2589477		9
1419535	2909331	2118472	1212325	2326265	4253637		9
1253900	733045.7	861854.9	1530605	746136.5	1005079		41
849444.8	2398237	2419224	675742.1	1236971	423000.9		9
46197445	65338534	34869658	40962721	48228925	1.1E+08	[1153][M] <sup>+</sup>	2

581036.5	946803.7	2485802	698041.6	465893.2	1769691		1
2282381	3468723	2402333	2150120	2879373	2670653	[2M+3H]3+	13
691357.4	810665.7	615807.1	884175.9	807292.6	94256.33		4
1580894	2933965	1080240	1027317	2912960	6979829	[820][M+1]3+	4
2613167	594050.2	0	1864860	2394506	1055151		1
11646583	26454582	4686442	9642271	29785149	52588573	[1351][M]+	2
1344907	629579	635906.7	1009777	716909	61351.35		4
1878462	3528415	3576047	1451520	2429038	596209.5	[M+K]+ 36 <sup>+</sup>	46
76736.72	160679.2	701070.3	195989.2	349346	6059479		41
2429597	2734760	2266767	2843674	2475536	2498406		317
203329.5	312254.4	285920.7	233570.5	254857.5	24761.77	[1408][M+1]2+	23
389947.5	674930.9	71274.52	0	441550.1	686775.9		46
7502363	9698066	13435021	1690722	16051352	1.01E+08		1
1643595	1581644	1981846	1531895	1118672	1107584	[1513][M]+	246
1361538	858374.6	605315.4	774298.5	692709	260608.5		338
1.11E+08	1.35E+08	1.99E+08	1.04E+08	80758744	53522491	[92][M+1]+	18
11029309	6990354	12957943	17267348	25297309	661379.6		6
30534108	29723238	35003031	41866726	32835172	31848456	[743][M+1]+	83
19288102	3238651	24967113	14499586	13500735	5861284	[756][M+1]+	1
22756088	11629170	4324820	16341900	19791345	14583773		3
1070026	423176.8	1211843	342027.6	1765022	474353.2		2
5757673	3218930	4181807	4091985	2692137	105257.1		129
2335479	3825912	2317070	2121343	2533633	2330560	[M+H]+ 41 <sup>+</sup>	435
686058.3	1086941	1120007	408928.4	1197472	1039554		9
6191234	4262748	6291475	5433319	8173216	8802190		385
3940933	7139653	5056115	2918678	4394678	10377379		4
454996.9	900874.3	453844.7	425653.8	338668.8	662508.9		8
1.19E+08	1.16E+08	1.33E+08	1.58E+08	1.27E+08	1.26E+08	[743][M]+ [M+H+NH3	83
1010039	2049894	1274488	868802.2	966552.5	3005244		9
3131492	3748257	3908824	2424454	2892725	1612941		9
85888.43	1884561	2266516	569918.6	692731.1	1154321	[M+H]+ 23 <sup>+</sup>	20
459575.8	712720.7	345247.2	469881.5	379320.9	360217.8		511
25674.35	698053	54592.05	0	66088.91	45920.97		18
284015.2	507293.1	301808.9	307111.7	175804.2	690878.7		243
585911.5	1619630	2755283	449853.3	592811.8	1006840		9

11900174	10008638	1683351	10763669	10694912	16778724	[M+H] <sup>+</sup> 50	3
6069465	6366664	2889830	1287929	5915089	49732231	[M+2Na-H]	81
5.4E+08	8.4E+08	4.69E+08	4.51E+08	5.12E+08	1.44E+09		3
5907455	10707764	7132994	4902299	8610918	14846544		9
6914694	7374107	6818160	4360499	5789123	4435810		4
829020.6	733020.3	803558.9	535494.2	684363.3	67323.64	[966][M+1] <sup>+</sup>	280
3833058	1880030	3759075	4083921	1370785	0		2
24420356	14459089	16756343	15086339	12684534	607989.2		129
14588743	18271558	15784170	20016787	19529608	8409492	[41][M] <sup>3+</sup>	2
1710862	1955990	2110400	1392856	1679790	1092419	[401][M+1] <sup>+</sup>	4
48561012	54592589	54205016	47864248	46899905	35810382	[689][M] <sup>+</sup> [M+H] <sup>+</sup> 40	35
1929302	4389463	3925372	1124566	3263096	1888953		13
2.26E+08	41846231	55878632	2.15E+08	77402361	1.95E+08		1
14779698	11000009	6838973	14069999	7926242	2002225		2
2091614	2337762	1668966	2221533	2302498	1498078		2
1412985	2110408	2339608	963195.9	1549677	1030814		4
1706074	921955.1	2196753	2019620	1645914	1600870		141
635628.6	210446.8	521375.8	1046316	709568.6	525184.8	[M+K+NH <sub>3</sub> ]	185
1938176	961284.4	917746.8	1579725	3407096	7094842	[1309][M+5] <sup>2+</sup>	2
15873919	19106716	18691967	13446741	15057403	9149960		9
1220705	2265894	1479633	759638.2	1539281	3493591		4
2129553	2062121	2204817	1889867	1848413	945867.5		4
6139670	6304563	5645375	5749490	4768886	1753608	[1273][M+1] <sup>2+</sup>	2
1235187	1080063	1914488	2728714	1428677	1579280	[1496][M+1] <sup>+</sup>	83
626980.7	489469.1	760820.7	405518.7	182269.6	272409.5	[1108][M] <sup>3</sup> [2M+3H] <sup>3+</sup>	159
1296418	956718.8	745672.9	1575367	598134.6	872654.4	[372][M] <sup>+</sup>	129
15558044	10971190	13482579	16073243	13796722	4755157		2
1412084	2068710	1249248	1220746	1584366	1727300		2
1.14E+08	1.93E+08	1E+08	94056445	1.02E+08	1.48E+08	[M+K+HCO]	3
2049828	2673151	1929511	1704871	2431737	6251814	[M+3H-C <sub>3</sub> H <sub>7</sub> ]	13
5171582	7694038	5802246	7149307	10154425	14464962		2
1844198	4702658	3705693	1642254	3255612	1863401	[322][M] <sup>3+</sup>	9
9600040	16783410	14609880	7303091	11038563	18695714		9
394611.9	803441.7	764058.7	368672.2	364422.3	516284.5		9
472495.8	625238.2	293459.9	365635.6	566106.3	1789442		4

5552696	4762179	7838396	7167271	37558675	3891257		1
4938230	4327286	5315728	3686652	4498250	2248860	[320][M]2+	17
1289160	1433950	1202094	763427.8	1108213	543767.6		9
1.69E+08	1.61E+08	1.56E+08	1.51E+08	50377400	28630936		188
44374654	55818153	50496362	38391879	49521632	41515999		9
18232289	19861813	18082266	11555255	15225854	13114572		4
5595304	16118282	4709164	9673945	6578054	67297387		1
3225582	2392916	3266995	2637331	2294596	1549904	[1162][M+1]2+	2
466854	495528.2	717832.5	601303.9	561205.8	298029.3		4
16932281	16437074	17460995	12429733	11359302	11661213	[726][M]+	4
1325826	1314084	1387961	815067.6	1082554	1760132	[1164][M+2]+	76
9435834	5858402	8273907	4555307	1443763	5057392		2
1026000	1771628	2300319	1173274	1655575	918748.8		9
1245020	1762660	2363229	1852343	1382317	0		9
3847498	4801029	2148884	1371314	2069320	3311615		4
3251644	4509093	4406536	2619854	3145195	1934906		9
328436.7	585551.9	905494.2	1007101	460051.8	571191	[M+H]+ 65.	185
3960895	4653960	3873738	1331834	6293281	2197005	[M+H]+ 39.	3
1327521	1671070	944311.2	2235603	3551896	3805041		2
1607432	530558.3	2311054	1025178	1162785	475672.5		9
1179902	963077.5	1750284	1117098	984106.4	555631.1		465
20274386	23230559	19047550	12776122	13262617	18628330		1
422258.2	469415.3	492467.3	331733.5	383435.3	91479.24		4
1603632	4413285	5300130	1182912	2444629	3489688		9
8612959	1940613	2079395	5930744	2581279	538144.8	[1437][M]+ [M+H]+ 79.	41
2389954	3415373	2885442	2027315	2649743	3795961		4
1733809	3179864	1728984	2737831	2890283	3138967		62
24901355	31224740	29584361	17751380	32949060	41672870	[1180][M+2]+	17
1134221	1222462	1092865	1287011	886051.6	0		9
0	476620.5	5383820	133325.5	614967.3	0		46
855383.3	2783930	2296164	1910361	3321204	1967374	[M+H-COCl	29
10494483	11644910	8435800	8890828	9215808	8951519	[338][M]3+	2
1.22E+08	1.76E+08	1.66E+08	1.6E+08	1.51E+08	1.65E+08		120
407663.4	515769.5	610652.8	591209.6	371119.3	440583.4	[1203][M+1]+	299
569963.1	50748.74	1571381	403776.8	526915.9	106081.7	[1404][M+1]2+	9

9395613	11079292	14535749	8196586	8385440	1302253	[2][M]+	9
2283428	1692249	2341618	2342911	2076748	1384093	[1040][M+1]+	278
638675	524833.8	775627.9	622615.7	556737.9	235306.8	[M+H+NH3	23
658015.6	1218443	710988.4	580262.1	774129.2	1024775		8
520882.6	809112.1	655304.6	260347.4	466072.5	103476.4		9
6052556	8014653	6923281	4657175	6290318	4882021		9
1048718	1826546	396640.8	1142277	1207359	11011146		1
1154206	2049777	880944.5	879934.5	1405061	2362329		9
3686948	2436585	3105403	2592741	2024558	820817		4
5424670	5332689	4902305	6519613	5881586	4078349		460
482785.9	2003356	2033765	982878.4	363554.7	1599803		52
1381971	1663719	1925597	1164701	1361929	628466		4
12704.56	406143.7	25233.2	16648.04	22667.4	132874.3		18
546453.5	1194576	720162.8	313633.4	681881.6	1138476		8
359843.1	894349.7	749761.4	1108474	706984.5	0		1
1668376	2228252	1551914	996901.8	1458674	894941.8	[493][M+3]+	4
4693470	4036375	5071330	4819512	3217007	3532241		61
10597667	9926442	7658844	2816888	18200513	12423425		22
416683.2	205566.5	482232	171330.6	344395.9	121465.6		23
741729.7	809679.3	261040.5	531490	889824.7	1343668		9
3077828	4251045	4247845	2216260	2933424	1394935		9
1667949	2265089	1255417	998741.5	2460008	4356900		9
1070808	1969930	2213439	818753.8	1200199	2220123		9
782950	960157.9	687016.7	445262.5	374861.4	701722		5
3764584	5920199	3852250	3339011	5159374	3707057	[M+Na]+ 8:	13
4636061	5509467	9524861	30181472	3384643	898788.9	[M+Na]+ 4:	6
290698.8	293748.8	796285.5	4922106	255418.7	682495		332
755871.7	2027005	420772.5	366915.6	290771.8	435440		254
7357837	4743535	6554278	5150408	5450758	2562367	[3M+2K]2+	14
958269.9	440216.8	4317675	3682446	2218511	2599263		9
3364571	2458011	2611624	3472730	1774118	2697743	[905][M+2]+	1
854070.3	2439590	2443253	709916.7	1205490	698977		9
11198624	7229603	1662955	9973495	11293551	17175831	[M+K]+ 34:	21
4680526	1718134	3897142	11480391	1705289	977612.5	[46][M+1]2+	2
13448488	51521989	1004959	44696835	897595.4	28906345	[M+Na]+ 1:	11

5656246	6207708	6478969	4096651	4880648	3406522		1
2487974	1366103	8039130	3019038	1429643	1571021		282
6735022	4149911	2762055	5893464	1366867	3027765		97
1152349	1713790	1161009	675664.4	1261956	1876526		9
4.15E+08	8437627	3.66E+08	3.71E+08	14138219	36294592		2
5639073	2527057	6183068	4460422	8110223	14501372		2
1277956	1695842	1189601	1102230	1509137	507826.1	[M+Na] <sup>+</sup> 2!	14
4007237	3747991	3565896	4154954	3274718	2882538	[1036][M] <sup>+</sup>	22
846550.3	542950.1	782752.8	707210.3	646401.1	4729015		9
812139.7	727879.8	880721.7	650792.5	514979.5	626259		5
4959922	4793627	4514989	4509758	4804368	4783568		226
1273360	703590.2	822782	1264518	1377139	0		4
2051050	1308327	9949676	987541.1	873922.8	551159.4		89
2832732	3187474	1498449	1892520	3260078	4571804		9
209088.5	228448.8	326223.9	271281.4	231862.2	272358.9	[175][M+1] <sup>+</sup>	249
1795694	1827222	2781578	1272599	2141721	1004296		4
8928397	13020597	14234404	6950626	4291886	15642073	[M+H+CF <sub>3</sub> O]	18
4301679	1898996	2032185	949479.4	1717964	3340194		2
321129	1024703	470887.6	340970.2	444687.9	1680654		4
8237953	2066416	208980.5	6360030	8741039	8150393	[M+K+NaCl]	84
839086.6	4098572	3393749	3026340	3234138	4125694		310
174679.6	276053	376900.1	252797.3	231324.3	141764.4		319
3583463	4517273	2993652	3505304	3050277	778324		2
10284611	8882478	8881183	10949657	12594270	5208174		2
7444028	8044891	7232914	5869609	7235234	11947573	[M+H] <sup>+</sup> 42!	5
1757760	2526648	1723417	1535669	1412871	622975.9		9
7368583	9693876	3126647	5040748	5669558	3440552	[903][M] <sup>+</sup>	281
338449.3	865181.8	740186.4	307823.6	482030.7	907462.4		4
1224015	482169	1154252	204102.9	1249565	1064225	[1152][M+1] <sup>+</sup>	101
1819650	2267987	3021324	2258295	1466911	1254682	[387][M+1] <sup>+</sup>	237
11086582	15920304	15991603	16385104	9253000	10829220		19
1279518	1169783	980496.2	1389960	509269	709547.5		38
1430416	1298337	1458469	1385278	1028269	1908753	[1167][M+1] <sup>2+</sup>	2
2675971	3216807	1993312	2456477	3728005	2989515		4
282136.4	1037296	30483.77	709542.5	226924.4	0	[M+2H-NH <sub>3</sub> ]	21



4612944	4873912	4614824	3921135	4465056	3402341	[12][M]3+	4
2788665	4182825	3701611	3459213	6346861	902675.2		337
1207420	1749648	823080.8	519034.3	1296478	939415.7		9
26588177	28691762	23723689	26776112	25479853	16959109		2
47072757	27177156	38717716	46647959	26314943	1657186		2
323711.3	483589.1	366322.5	271305.6	323702.2	519422.3	[740][M+1]+	44
535618.3	1092751	797101.3	538793.6	332205.5	705236.7	[704][M+1]+	41
0	905095.4	465658.1	1363996	370165.7	744949.6	[3M+2H]2+	20
5931365	5954782	6394504	5130776	5320118	3487590		4
1855791	2066294	1883630	2092265	1701225	1533989		471
8531725	10655631	4290014	9619631	4941046	6591456	[902][M]+	43
8861004	9888204	10624125	7557121	7951547	3159187	[236][M+1]2+	9
632314	411588.6	435274.1	2887297	133288.4	330044.1		240
2857504	9140341	2974136	1236066	2729927	6444035		4
1395002	2023053	1561776	1671207	1935065	203906.6	[M+3H-CH <sub>4</sub> ]	14
4146124	4653557	3821822	4062457	4219471	1707582	[3M+Na+K]	6
5081670	6518543	3486357	4614210	7365551	9517468		2
7773084	8297547	4711988	6422599	7536637	8706825	[1136][M+2]+	2
947969.5	1389774	377354.7	549398	1241622	1753674		9
4892206	4971012	4207565	4061305	4493198	5765286		259
7474582	5772649	8498405	750038.6	8041684	6155571		325
207442.6	332202.5	307474.7	249427.3	390313.4	352656.3	[M+Na+K]2	134
161343.6	195140.8	211680.6	274159.8	1167188	1450401	[M+Na]+ 2	100
9290603	10923498	11363760	10404352	10069636	8654915	[587][M+1]+	174
715115.7	2390228	1745957	580005	1248807	1138868		9
65599.06	330757.7	666066.2	58935.63	89149.89	249475.5	[3M+2H]2+	18
193870.3	332242.1	272879.1	164480.3	260052.1	55402.33	[M+Na]+ 3	12
765442.4	5532286	5226953	7845448	5852864	5193477		317
1185312	394297.2	125295.9	654788.1	1709987	1158214		1
2475899	1022614	1159690	1979072	3363124	5929379	[82][M+3]+	9
399714.6	1712720	2737358	401430.3	709487.4	945050.7	[216][M+1]3+	9
34004126	40193881	25360099	27728647	41303615	41695099		2
1672492	607821.2	1919712	3117496	2541410	2283666	[M+Na]+ 3	13
15104004	15000220	11891354	16801577	7690349	12691096	[139][M+1]+	112
422368	1098549	412756.1	25179.37	491941.2	741375.4	[M+H]+ 63	18

214750.8	477969.6	442558.9	118234	341473.8	243402.1	[M+Na]+ 2:	18
2410006	4293864	2935461	1671066	3622436	6863796		9
5869309	9255837	2930643	4492968	3228713	8400295	[507][M+1]+	122
2306346	4327382	2387369	1368579	2731029	2649460		2
1853070	0	3261753	1841137	1547264	495618	[M+Na]+ 7:	8
531356.4	286403	734473.3	859273.7	530618.5	905173.6	[462][M+1]+	166
1307226	4157800	3836582	747204.5	2213560	4170495		9
234647.8	843981.6	375634.3	208218.4	203290.7	114573.4	[559][M+1]+	50
8775320	4681934	4654804	4499657	4560949	4329705		344
1310475	2902198	1778093	873906.7	2088596	2126339		9
9948599	13513419	12236217	7930363	10952483	18503605	[547][M]+	4
1083743	3226013	1398854	2322456	1747730	54647.89		2
3922684	3869702	4936167	4766692	2869816	6534193		325
1683529	2625142	3007043	922232.5	1113160	907725.3		1
659548.4	90448.89	102524.7	519427.7	1253406	2058211		9
15003568	18955334	9237234	13260308	19880895	28053129	[1347][M]+	2
723308.5	2237942	2289203	2452065	2313610	2101567	[3M+H+K]2	257
4496665	7698043	6276355	4344829	4595600	6939448	[M+H+Na]2	15
6864630	6963694	5717824	5937996	16032700	6043184	[M+H-CH2]	392
595637.4	998101.4	736415.3	382655.9	729474	521801.6	[851][M+2]+	4
1045547	854546.5	1232102	746554.5	658130.9	1001005	[592][M+3]2+	4
754157.4	1868135	924273.7	509207	1080404	2501196		9
20050789	43390743	23894877	27322080	29436157	34489737	[3M+2K]2+	3
4092309	1530664	1847396	4721784	2292726	909801		2
287817.3	290517.4	1505589	117666.8	265871.5	75125.26		57
1684943	3149000	1228865	1020885	2363620	5991283		9
149294.4	105277	276446.3	141565.7	104119.5	46323.86		145
1921150	2055625	1941455	2654793	3351155	1195562		2
441869.8	820607.3	168978.9	333084.7	904901.3	3376339		9
5462834	4908403	5415751	4957570	4246809	1721394		2
2472787	2061591	1717570	1303970	1378032	78395.44		476
13007323	10970160	12503601	15599742	10430753	4582523	[1290][M]+	235
428909	120257.2	192132	218039.5	607927.2	2202602		8
571290.4	575620	539479	355373.9	535934.3	1161464		4
708850.7	489290	899685.7	811300.3	833506.8	247765.1		4

508531.5	1406888	1942639	2681768	666535.6	2342474		4
1256157	761942.7	837554.1	818198.2	791856.1	39987.55		4
9528647	13512372	5982473	13387331	10339873	10939704	[M+H-CO]+	15
5774472	6009080	6471730	5238551	5276227	3542410		4
5843302	6787216	5016071	3356380	5564643	5389485		4
1903010	6124184	4977219	1354071	7226059	1312020		1
1754851	527131.6	1201773	2214824	1770020	3059362	[56][M+1]+	2
5873842	3206924	1991190	4291782	5551243	1456889		3
59080108	66243081	52308609	49730137	63300678	61695189	[573][M]+	13
2521066	2026327	3578244	1572658	2232613	1877328		4
954610.1	454838.7	1947272	764015.7	470153.2	3575405		9
127737.8	110114.9	254699.4	140162.1	216058.4	239459.7		266
1202105	1537900	1368864	1164492	995146.2	917018	[489][M+1]+	2
4608298	4825061	4669581	3956442	4483653	3460818		4
381767.5	1101118	541467.2	263873.5	491523	1720450	[M+Na]+ 4:	8
1.38E+08	3796987	78237555	1.3E+08	75838468	41310797		2
1342952	3685456	2895856	734447.1	2206458	4940540		9
6921802	7395065	6928459	4387869	5770115	4690944		4
1068782	1419146	5820100	2001900	2259920	185008.9	[873][M+1]3+	39
1818722	1019707	1109732	1744993	654161.9	1557249		9
26235229	47190830	35507857	19572771	40646984	36489098		215
4648027	7887417	4090196	2894068	6218698	24901127		2
3179128	1895130	2865787	3094033	1354347	1464484	[399][M+3]+	2
3531255	3144496	3738912	2275561	4333584	1899422	[654][M+3]+	4
8082016	10615124	5576048	4187590	8893483	13847168	[766][M+1]+	4
1418095	1213069	1152043	917764.1	1007114	2408871		9
4343965	4106056	425493	6350526	3243218	4256033	[M+3Na-H]	226
10708813	1961698	11708030	18542882	10275159	29012564	[815][M]+	213
1134308	1253769	1597590	898804.2	1091714	605014.8		4
4545659	3376928	5068976	4164715	1575484	5946665		385
15526347	19583348	14752196	10245621	14821357	15957099		4
290478.5	321717.6	401358	351814.7	394251.3	423186.4		42
5241699	4109931	4920997	5593162	4419417	1073092	[3M+H+K]2	13
5746514	5835205	5388420	5543238	5775094	6419469		352
5762090	9842875	5242320	3555116	13396269	3687912		1

1518842	3428903	3421061	1254398	2009132	725552		46
609880.2	987805.4	1514582	289590.3	865634.1	1236177		4
2140288	3074254	3376229	1871718	2184508	954480	[843][M]+	9
2221879	2309316	2708000	1794922	1885202	478652.2		9
3240717	2550154	5330459	4699657	3621340	2603923		250
2479498	4132563	1827539	2401343	4490885	2749396		2
4156830	7027587	5050041	2722838	26499216	3254514		1
2870190	3454921	2033361	2484236	3487354	4790106		2
24799501	52759071	48639499	22772112	31611560	81756555	[679][M+2]+	9
3132932	2116113	1048861	2884454	1265112	1151270	[237][M]+	211
368395.5	10441860	3235188	8865925	2450675	786532.1		4
4398854	4607011	2881064	6129056	10356538	4380035		1
978952.2	2486104	2030123	1867392	2067782	2014411	[M+K]+ 68:	29
564202.7	747932.9	666993.6	577554.3	752481.7	20839.03	[1599][M+2]+	169
18309979	19968280	18336743	11831181	15437994	13270413		4
3035710	4795203	3515273	1976079	3104801	5815320		4
9268587	8230357	4880361	10284476	10579663	5384503	[M+2Na-H]	14
1357641	902733.7	909360.5	517171.1	689183.1	1461556		4
2553471	2273409	811271	2291065	913593.3	1734929	[57][M]+	450
2779902	1111840	248153.1	3081706	308171.5	729679.2	[60][M+1]+	38
82381514	1.38E+08	73633056	62237962	80932891	1.48E+08		15
13424180	8533264	1947538	9419980	8588991	9430978	[M+K]+ 45'	11
1549689	1444731	1162682	950627.5	1060332	913710.9		4
1057621	777023.3	620467.6	977002.1	853421.5	242167.3		8
29825793	42763146	3178535	2742125	23427613	1.06E+08		177
2573275	1682327	881433.6	2596513	4188761	2335537	[3M+2K-H]	15
2353792	4180680	6315230	1966078	2151089	4644580		9
1351897	2254133	3787420	977944	1620648	2984291		9
7807355	9174415	5187772	6048739	8123967	18087665		2
125686.8	156057.8	167888.3	206868.8	174037.1	122693.2		224
23993250	26459508	28763904	20214376	22075735	15905097		4
335057.2	321774.6	294255.2	292126	1.95E+08	1.69E+08		32
1690090	2854522	1511749	929857.7	2602388	6137716		9
703690.9	1767768	417643.6	131772.7	517415.7	982665.8		18
62719632	2.67E+08	1.27E+08	62281564	2.43E+08	24065531		90

2163844	1036487	2820097	3141935	3531204	582783.9	[118][M+1]2+	1
370484.8	641797.6	240785.4	243769.8	648346	404271.1		91
11964759	13313625	14088961	9565246	10764084	7855158		4
943025.8	1044737	1159418	748644.1	961010.2	837721.6	[114][M+1]2+	4
1478958	3411482	2687256	1293710	2083042	906341.8		9
1156948	967170.2	1346116	1726557	1363721	3967653		2
770958.6	1350018	2972831	651940.1	795247.3	1256543		9
7376583	7668590	8114913	6494086	6752433	4397171		4
788156.7	1024918	850552.2	875765	460373.6	733614.4	[M+2H-C6H6]	57
250066.5	262924.5	90478	226117.9	205692.2	349758.6		32
5277928	6528881	6309564	8285146	4642891	5044300		1
6823420	5251211	6968006	8252099	1502962	5044819	[657][M]+ [M+H]+ 39H	110
286525.7	252369.3	362170.4	362587.7	285885.1	160066.3		112
2306308	2533572	4154475	1059413	2603444	598347.5		1
1496754	25637586	29501823	34855773	3238669	1096769	[M+2Na-H]	29
923455.5	1488954	471123.5	546084.7	1274251	3867798		9
277314	430982.1	451192.4	3127107	2504745	174703.9		43
9201903	4363611	6355797	4535890	8353736	4886993	[M+K]+ 35H	226
4057570	4430915	4659328	3491969	3504087	2024626		4
5723413	1803135	4985338	5339599	2362111	1859524		97
8183247	5496263	6230038	7953401	12263770	973514.9	[950][M+2]+	15
2688916	1110456	3404041	2658486	1852553	0		1
1.8E+08	1.51E+08	1079296	1.57E+08	1.83E+08	5.97E+08		3
4745032	5247294	4346291	2761900	4024476	3552514		4
3122153	2962082	3873265	2440891	2458717	312450.5		9
1289105	2488348	2909910	3150041	3886996	2028791	[M+K]+ 18H	15
14384243	25419731	1.05E+10	9630463	13442839	22334066	[664][M]2+	4
4831669	5139923	4577539	2860356	3954825	3456146		4
1080486	347563.4	1288104	1636153	1377375	7994535		2
12868059	7288249	6374388	11875626	771724.3	2262942		2
1869713	1999166	6227297	4229769	843046.3	1847841		349
2143825	2803615	2807039	1796296	2153914	916733.8		9
489051.6	827892.3	1453853	404254.3	530233.8	0	[M+H+HCC]	14
755726.6	543690	391723.3	296594.7	718996.2	1114749		20
1431148	88719.16	4705703	1217175	429723.4	1634914		448

5267034	5313061	4874503	5019161	5479684	4940642		183
857405.4	1552015	654989.6	584039	1010615	1613836	[M+H] <sup>+</sup> 86	8
1282688	1436661	1606048	666242.7	1450264	1349039	[1377][M+1] <sup>+</sup>	42
32868636	13736082	9739586	23656594	14453707	4178021		90
24474570	41368997	28630751	21061572	32616334	63675957	[656][M]3 <sup>+</sup>	9
5.27E+08	8.17E+08	4.52E+08	4.39E+08	5E+08	1.4E+09	[3M+2Na]2	3
8275542	15179610	3970544	5374797	4704927	8561454	[149][M] <sup>+</sup>	260
2666885	1672850	2713895	2925725	1615107	861525.9		2
1368136	2591811	1533796	521742.8	1622859	3082565		4
910899.2	1617190	2281368	1454030	1708666	731360.3		23
2072576	1043902	1585249	1213492	1274949	0	[1023][M]2 <sup>+</sup>	343
4087448	4456265	4694642	3516166	3533683	2128066		4
1076098	1615795	1499737	814110.6	1730889	1419118	[M+2H-C4]	8
34147151	54306491	42537130	23758297	35462256	73935387		4
903802.1	1177505	788614.4	586102	392480.9	699970.2		4
7490961	2498676	11458341	7507202	6795014	1923727	[475][M+2]2 <sup>+</sup>	4
3716479	3869688	3981541	3045284	3245087	811467.5		9
8848625	14417462	14598823	6872576	9423573	6035831		9
1900570	1933812	1811271	1504695	1618661	927455.1		4
35633928	32934383	32100945	32485190	28751954	13319182	[1282][M] <sup>+</sup>	2
14832379	3074392	5975639	10495451	9412188	748145.6	[438][M]3 <sup>+</sup>	15
213705.2	209236	310038.1	130203	292899.6	487488.2	[354][M+1]2 <sup>+</sup>	17
316781.3	394333.4	882602.1	949403.8	312244.2	638386.8	[1112][M] <sup>+</sup>	211
800540.8	560651.4	1091834	554230.5	1108863	300406.4		17
35147511	24212885	29747273	34835591	20544446	5564767		2
4404722	4873535	4677840	4240868	4131190	4083664		241
288589.1	650224.8	585308.5	274768.8	160379.7	547372		4
4165908	3385238	3764034	3851495	2308053	842827.2		2
3385548	8333882	2985891	2745929	3187455	1128668		194
699813.1	754869.6	527481.7	707451.2	669103.5	227177.6	[681][M+1] <sup>+</sup>	220
793964.1	983634.6	831986.6	459510.5	772037.5	639265.3		4
1916994	930480.2	243535.1	465377.8	129265.2	899848.8		46
3067381	3504069	1343875	757064	3326122	5793929	[M+H] <sup>+</sup> 88	5
1248330	991247.7	932446.5	527329.6	686644.8	1084295		4
1.1E+08	74227750	93594641	1E+08	67099994	21863779		2

790909.5	1484323	2071269	557951.9	715964.4	686357.7		9
1780994	2682778	2161851	1079610	1803166	2325120		4
4.63E+08	5.52E+08	3.83E+08	3.59E+08	5.91E+08	9.31E+08	[482][M+1]2+	14
84889161	1.13E+08	61899239	56544783	53684061	67369259	[882][M]+ [M+H+NH3	101
1069170	2242138	2167161	630079.5	1117410	2217603		9
15458815	17251466	5723628	8306295	15135438	57583576		132
30472123	33533603	33809522	24293959	27431877	19666392		4
591133.5	546352	572971.4	763397	517334.5	583827.4	[1080][M]2+	366
2421708	3938791	3688112	5323486	4322965	4425237		9
1258692	2045339	746494.7	422516.5	1607023	3854534		9
669760.3	492157	479162.1	421467.7	405242.9	19211.07		181
362098.2	506159.2	1099835	202383.2	823752.4	330388.5		106
1781168	2455676	2694173	1458721	1676641	2048147		9
1.15E+09	1.35E+09	9.63E+08	9.12E+08	1.45E+09	2.26E+09	[482][M]2+	14
544233.7	1482668	1940035	419664.4	877566.9	104976.6	[1616][M+2]+	9
115303.5	178825.5	554729.3	545031.3	580960.1	139140.6		25
5671476	4247866	3204300	4097520	7391938	3928904		412
2511462	1591133	669298.5	2285129	1500662	2198216		4
511519	1596775	1190676	2904638	900896.6	2543994	[577][M+1]2+	9
45233519	94541114	88344461	42325463	41682796	58464426		20
13965354	13797359	16246440	11540137	12123516	7073414		4
469910.5	1210992	879547	393448	842595.1	1080401		9
11661806	9898037	4171499	4470701	12232187	11417835	[M+Na+HC	3
1223216	1606563	1185630	514318.8	424028.7	605331.2	[882][M+2]+	101
723102.8	4061092	3980371	4440720	4006822	3523512		95
6906188	7421814	6836568	4374545	5833129	4651330		4
8195257	25355083	21937637	10269160	16302751	20227181		1
979109.8	460210	343339.9	761258.9	846429.7	1021535	[1562][M+1]+	38
11640036	5014283	5091219	5182395	3282521	5078386		399
219075.5	276121.2	156354.9	176558.6	189899.8	527368.9		110
10083256	1335025	12259237	3516424	532080.2	10106542	[258][M+1]2+	18
405016.5	324510.9	220066.5	110273.7	200987.6	189468.6		524
2363552	2537015	2460511	2646327	2211884	1712962		402
929074.5	2361169	2097667	571226	1445445	2644018		9
429798.3	374525.3	499468.7	0	248949.4	205178.2	[1328][M]2+	20

2465693	2393722	2844299	2397479	2479671	1359677		4
452764.1	1248201	1342952	174212.3	1018973	376284.6	[M+H] <sup>+</sup> 56:	46
3179193	6295965	3774437	3341613	3038389	3812333		4
740214.9	1353661	545760.1	782792	597021.5	873856.3	[1075][M+1] <sup>+</sup>	58
989576.9	2006283	2270375	1011648	1840304	3071916	[1336][M+1] <sup>+</sup>	12
969198.5	1364171	404589	326705.5	1271180	1279711		2
1355038	1316398	788246.3	1303151	1866528	1304020	[3M+3Na] <sup>+</sup>	6
37730559	39211975	45394571	30483057	33499013	22934705	[552][M] <sup>+</sup>	4
1.9E+08	2.06E+08	1.54E+08	1.86E+08	2.37E+08	2.45E+08	[396][M] <sup>+</sup>	2
5896975	6418981	6900311	4840065	5373752	4090540		4
5615643	1721708	1558283	4989263	5328430	7783175		1
5751336	5889194	6529661	5157741	5156862	3557820		4
1561046	2172993	1610495	706559.9	1661406	1304824	[M+K] <sup>+</sup> 64:	101
1540457	1616270	1593438	1316336	1390884	1068792		4
8220235	10479077	9981999	10320177	9258881	801929.7		9
2771040	3855924	2057391	971848.7	2519650	2428727		4
376433.2	1011094	3252410	268302.3	423228.3	90063.23	[3M+2K] <sup>2+</sup>	18
1929983	2841960	3747632	1251259	1835531	973851.2		9
87697.06	155402.4	89949.39	109076.8	91431.2	57365.57		273
2064022	1729682	1944360	3094779	2246984	1158269		2
698941.1	1086108	1109103	828667	1221632	609406.9	[619][M+1] <sup>+</sup>	4
49642.03	22140.68	242130.3	19163.94	71908.48	13997.59		28
2876616	2855528	4985796	2987656	3059676	1078971		208
2348034	788344.3	2543318	2591081	1299164	374523.9		2
4513796	2876487	4833629	10508383	2607880	3796128	[1552][M] <sup>+</sup>	362
12572277	18668702	14449741	9617382	9592620	18317880		102
74599967	1.22E+08	62816175	62381669	73025380	2.07E+08	[M+Na] <sup>+</sup> 4:	3
1848697	2115489	2937654	1683446	1559060	165001.2		9
1909993	1611438	3324870	957661.7	1064767	0	[M+K+HCO]	6
3556543	5748749	5559623	2641260	3888612	2600076		9
3938578	3199448	2892901	3672935	4019815	748845.7		1
324830.4	808548.4	787778.4	128321	616330.4	1341364		9
1507964	492657.9	0	1150605	1832191	1968257		9
5.27E+08	7.87E+08	5.43E+08	4.06E+08	4.61E+08	4.96E+08	[742][M] <sup>+</sup>	1
4284720	3850912	5106539	5087255	5386741	5465878		448



41450451	58906888	32016447	37755181	43563026	86691880		2
3721109	2088456	2744297	3991429	1929840	2031640		2
904731.5	2520776	1718286	844230.8	1239027	2713745		4
364221.8	737053.4	553099.1	489076.3	457993.4	10981.83	[3M+H+Na	24
1767359	1252857	2133021	1434058	1179649	280807.6	[668][M+2]+	4
1776145	1573314	2872174	1131737	1549936	0		1
2521873	2408895	2461501	1845700	2089199	986810.1		4
3433455	1402632	1461402	1382063	5217273	11939473		15
1212318	808373.5	1456965	208908	941711.2	0		1
873876.9	977797.4	1194136	958863	3251391	8272264	[3M+H+K]2	14
16084945	18850072	12123655	11802917	17921005	18446599	[M+H+HCC	13
635912.4	656749.2	809060.9	305758	595032.4	643726.9	[672][M+1]2+	18
2341095	1169682	1582940	985472.3	1722716	0		182
9070324	7599101	6531177	6568466	6127428	6075513	[202][M+1]+	150
697845.7	639665.6	1281658	1487255	618045	1028006		9
14271064	9177316	10653004	15202510	12754988	4695186		2
3581352	4969856	3977443	2566926	3574062	2829873		9
13130510	7247511	11563057	5480666	18867648	2742907		3
331496.8	359963.2	458522.7	191881.9	340337.1	84144.82	[1085][M+1]+	245
2872361	2206771	2724044	1626390	2194229	3893649	[1342][M+2]+	12
2524903	1513504	2760828	3247864	2094373	433291.6		87
1681723	3189212	2673465	979104.3	1902454	3813440		9
11341861	3465847	6893877	9262731	10693326	3760403	[67][M+1]+	1
691659	639540.8	785426.8	740463.6	585974.9	2958228		2
5474492	10834947	18244174	4947313	5389993	8249319	[M+2H]2+	18
11559753	22556261	14466363	10235856	12207269	21807045		3
804665.7	2784131	2218967	1193221	1780312	1200710		9
1882571	4437340	446532.9	643232.3	3743012	1903684		11
1923729	2992322	2356061	1473230	2249555	2885188	[1283][M]+ [M+2Na-H]	134
27950242	17498748	33570140	35549591	19496173	15898527	[250][M]+	171
369309.6	859424.9	276596.6	714045.1	786574.1	1054824		235
658806.8	333012	0	261500.9	242147.2	1925117	[M+Na]+ 6:	15
2728555	3145693	2853463	1882732	2321064	1265930	[642][M]3+	4
2533995	2870639	2568297	5527134	2485810	1119316		9
4100138	5471895	4350137	6014858	4266933	897570.7		95

3500524	2597718	2489062	1256359	853517.4	3228615		4
587522.6	707082.7	414070.1	187989.4	518637.3	927470	[M+Na]+ 3!	51
1792132	1383682	2108428	1289368	1656468	1048190		4
3339364	1944096	3228991	5113967	2421503	194767.2		2
335099.3	1483259	3873078	244496	584888.1	441633.3		53
7562075	6544353	5642749	7029367	9374342	7092745		2
2725459	5129453	3188020	2099661	3799480	7852784		9
615357.5	1139673	1754774	1049035	1019819	206715.9		4
354337.8	364599.7	457761.2	502523.1	135406.9	298526.8		71
4533263	5101052	1954762	4091390	6597447	10110495		2
1963530	822061.3	663176.9	1535090	1401755	450623.6	[191][M+2]+	4
51497135	12537402	60544963	30770112	85415426	52726442		1
1735890	0	1077969	1001687	1029650	0	[885][M+2]+	1
6343814	14558871	8817972	44706133	13345028	4346830	[15][M]2+	1
6211280	6204871	6076310	5526292	6051812	2875439		321
2926968	3460067	1086456	1184881	4212658	10046063	[1303][M+5]3+	2
1407003	4676615	4023203	1589845	7873547	10655967	[1615][M]3+	9
3344761	5222925	1563575	2206645	1570284	2933543		149
466194.8	303983.3	663045.4	493292.3	217911.9	177930.4		88
1045024	2633472	3399982	706267.6	1731956	1733912		9
884745.9	870184.4	946462.3	427632.7	535192.6	1692254	[M+Na]+ 2!	169
357105.8	0	586221.7	871574.6	317879.9	513549.4		210
2820537	1765584	1184396	2742613	1130124	803089	[280][M+1]+	219
874616.5	962419	671993.1	1109961	502462.2	558986.5		303
2271219	94044.7	4405142	682360	1079723	2725590		9
3065187	2982625	3494306	2973942	2961046	1707112		4
765058.4	1665308	486900	300008.2	1527163	3303315		2
1887325	1557932	2420746	2681074	1443273	1835217	[1155][M+2]2+	2
2846715	2529683	2590656	2302077	2407828	1343538		2
696455.1	523142.6	1424462	2393327	456204.3	336937.6		65
7759857	7862735	10637985	10361651	5999775	3680043		266
1129032	1130741	1349965	872901.5	742254.3	458052.4		4
982918.9	1005422	1094835	844381.8	940544.7	493721.7		4
2990357	3340221	3699900	1972907	1899130	1128538	[167][M+2]3+	18
722688.6	1424400	1035183	2265603	924795.2	760088.5	[1261][M+1]3+	9

1084520	1001115	761471.8	868708.7	1017905	235168.2		291
2910040	1062009	2338905	611386.8	562786	13496769	[1047][M+1]3+	16
16840604	11321282	13010770	14206154	12203863	6503340		2
9253243	11229608	11387669	7005675	8162751	1365534		9
1180711	1677679	1303754	802205.7	1178123	439457.7		9
1749879	649067.8	279174.8	1725051	480845.5	916629		4
855614.7	953052	1993544	771332.8	755295.6	2602964		9
1493997	1481870	2345681	1257139	1020584	1432229		9
5179847	7157768	5250206	7067108	10192889	14567880		2
574861.6	1645878	1590351	466056.2	551762.3	1625929		9
1643794	1833833	2199434	1326504	1670440	1179931		4
1045070	1511484	1682045	1540969	993480.3	154351.8		13
4098453	8380315	4126653	4531809	636331.4	858453.6		279
3788057	2700883	5709188	3252516	528157.3	1551232	[M+Na+Na	11
1546597	1498089	4302154	1473520	1070328	798847.1	[M+H-C4H8	6
28590802	46721725	31552432	28927974	53425672	55218823	[M+Na]+ 50	15
33272787	32673356	28498949	31174915	41414316	40806229	[210][M]+	2
3590050	4357553	2237527	2405113	3203927	2436908	[M+Na]+ 20	13
23681705	20982231	14623519	19934292	11099473	16771330	[290][M]+ [M+H-CH2]	88
1754653	1860510	2413880	3402004	1643063	0		2
3192597	4338192	1862710	4233306	1702759	3598975	[M+Na]+ 70	46
29026951	14615544	23605619	29975796	13446596	2864787	[416][M]2+	2
749546.9	3900692	343349.5	2748071	862872.9	1884582		4
4393132	5023147	3473977	2355907	3540932	6869031		249
1290689	383914.3	1399555	1605117	995684.6	1096291		7
12324508	9230148	12648499	13752605	11621782	7228557	[1096][M]+	244
1689145	1068826	1725605	813975.5	1250091	5627923		2
1562111	903210	1470769	1060425	820717.8	4632336	[355][M+4]+	2
1606495	274184.3	2727246	96488.71	628565.4	265803.5		6
968653.6	1507027	1013028	870549.7	1122497	1891685		4
1739701	887071	2933109	1913739	1477032	1613450		9
10563287	14819766	9028598	13340184	15064394	8308700		2
17332027	4970909	7066384	8112886	4528437	1E+08		87
748950	0	4843407	514298.8	503854.7	3013000		9
1402092	2642411	525928.4	876077.7	1691142	3167931	[M+K]+ 336	21

890400.9	1325676	856477.7	829765	838348.6	642422		4
29685538	13374379	23342740	31959962	17336638	6888410		2
12829778	9855349	11387790	10373165	8568191	12420428		2
7241161	7634772	4422250	7829609	14978283	3679028		226
3783742	2095543	3710822	1964554	3321525	12849869		2
2113317	1888196	123810.4	1004213	2056062	1235063		1
658478.1	1028335	605955.6	698460.3	345073.3	179831.6	[1078][M+1]+	101
4413920	6926610	13078168	17091712	7141645	7422145	[M+H]+ 61:	15
24352059	41022805	28616121	20539023	32325913	63665742		9
10789906	16548503	7726930	10454146	8870773	7602085		13
333056.5	502772.2	400038.8	90507.44	284403.7	858829.5		4
2540505	0	1940576	2345336	3046196	1005875	[379][M+1]2+	2
834792.8	1397078	790696.7	620521.8	1066538	1826283	[197][M+1]3+	9
114986.6	128938.2	145456.2	123919.8	64456.2	76377		218
1728292	3570775	1089214	810630.2	1887959	5007158		4
881702.6	841690.7	2384055	482393.2	739267.5	807745.9		9
278558.8	263091.1	1364904	211321.4	242838.9	198489.5	[771][M+1]+	44
4203446	10336391	7908287	4689911	7142774	2043869	[M+H]+ 74:	35
3590369	3379646	3792147	4293963	7198453	11549126		1
3459271	5668253	2547204	1771896	4233059	1968333		2
4188267	8027172	1584412	2122907	5125985	18173799	[M+H+HCC	15
3419660	4463453	2947309	2424612	5420803	6999280		2
1770307	1513984	1622500	1500458	1242732	480995.2		16
3839219	1866817	1424133	3320431	3948229	3382410		15
2306080	5194444	4061919	1365136	3185503	6674494		9
47107204	1.14E+08	1.93E+08	73069778	1.12E+08	87664214		175
504354.6	626057.1	581196.5	552835.6	500915.6	356144.4		4
2790098	1753219	1539299	2184180	3897618	62930842		1
38797455	54973624	36613221	37454081	47399951	41165643	[1354][M]+	2
8159628	7018645	5089214	4159054	3630432	3704270		407
11820230	10983327	14246585	12537538	13331966	7764291	[548][M+2]+	4
3769103	5175293	4836461	6071889	3897690	2838847		427
20584677	45091662	43350700	16505936	18490605	27199966		20
335886.8	172675.9	379072.3	234105.3	237871.9	193395.5	[320][M+1]2+	17
3197891	2173176	2270205	1813951	2078773	101117.5	[1599][M+1]+	169

705345.8	1815448	319184.5	341217	1456779	3085678		9
8170623	7308905	7800455	7000377	6602382	438061.5	[M+H] <sup>+</sup> 64	169
1975605	1062958	897070.7	1264034	1036658	818803.7		4
19301507	12256987	13461096	25055963	17711122	4020796		2
2516573	2190421	4540049	3434280	1920512	6708092		171
496757.8	404477.8	357798.1	175991.7	360019.1	65943.52		9
1231786	1738061	626398.7	335335.2	285372.4	2163835	[931][M+1] <sup>+</sup>	357
1449599	4020580	4347827	1072129	2068906	4045790	[549][M+2] <sup>+</sup>	9
2999076	2024326	3401831	3388973	2977965	1905610	[1202][M+1] <sup>+</sup>	275
1996316	2421449	3821857	4926104	4593926	6395835		445
1637798	151356.3	635585.3	1524235	325589.1	368085.9		125
1230151	1071540	1169704	1471342	1472356	949113.8	[M+H-H20]	39
647577	726076.6	1043518	874907.3	595210.4	682279.5	[916][M+1] <sup>+</sup>	86
3889296	3920226	10030292	10379538	3882190	4314022		136
6601397	5509045	8712612	15921986	6343693	5059161	[1457][M] <sup>+</sup> [M+H] <sup>+</sup> 81	302
2286555	2192209	2513397	2102140	2047134	1230721		4
3846686	4927114	4614687	6198795	4844068	3628973		412
2781677	2873892	2552875	3651771	4084102	1669136		1
4515684	1492756	2143730	4759534	2811328	1315085		2
9720205	2178666	3132738	4664470	4678377	906545.4	[438][M+1] <sup>3+</sup>	15
4443314	6211097	3019122	3672837	5993201	8973568	[1338][M+1] <sup>+</sup>	2
3.91E+08	865763.6	2722777	3.53E+08	2548363	1.13E+09	[483][M] <sup>+</sup>	2
3028280	11065843	6.67E+09	7.48E+09	7009820	3047382		2
3822743	4044904	3486106	3453504	3376460	6644116		198
5079294	1773364	902666.7	5688801	6515829	3016634	[M+H] <sup>+</sup> 19	11
2527323	2901087	3867220	2707903	3193135	2606283		174
647809.3	1534107	950640.9	453852.1	873417.2	473130.8		81
58503662	680267.7	1303879	51795889	53181021	20572803		4
471660.9	1392665	1356291	432138.1	787495.4	952841.8		9
8281597	8770448	6939868	6412549	7508219	8359307		4
1500619	839864.1	2137274	908685.4	926351.5	0		1
43601441	1734091	1710257	216736.7	43452861	62298907	[M+Na+CF <sub>3</sub> ]	46
2172579	137518.6	1268423	1032880	1246592	136888.1		1
2412253	1900451	3606580	2530888	1526755	1326577		71
1317752	1087669	1276165	1276426	937438.1	385516.7	[405][M+1] <sup>2+</sup>	2

17162074	19161187	21558728	15488422	19388084	9707539	[52][M+1]+	9
839970.3	2272355	2142056	579725.1	1737235	1238758		9
1275963	1894595	1564895	1724741	1172913	1034876	[353][M+1]3+	4
2586474	2139718	6119256	5061699	2084564	1417707	[674][M]2+ [M+2H]2+ :	302
7210466	2382767	8390154	11121470	2868271	5303368		267
3488915	1204667	2253909	3072336	1469886	0		2
292989.8	462299.3	255341.9	852959.5	2023608	2082412	[M+K+HCO	51
1359389	109356.6	2053357	1342383	1615070	250865.6		9
5282047	1464580	3425231	5301633	1832066	361767.8		2
1366242	1679521	1410302	1096522	1352092	823025.7		249
843582.7	4685226	6263861	3464174	4083201	3924643		344
2735868	2679234	3412565	2102450	2191403	823968.2	[973][M+2]3+	9
8435908	12680009	10506965	8729575	12222013	8410218		9
81760.05	70983.32	109311.2	15522.69	79810.8	279238.1		18
1572727	2521243	1663026	992007.7	1976353	2156265		9
12357542	4402706	2615948	1371985	4518851	28324501		2
570237.4	1114152	738795.1	486005.2	998851.7	712323.9		38
5427716	5288494	3596453	1870605	1094039	13002083	[M+Na+HC	15
1914928	3518735	2583645	3150850	2370000	1657650		2
5959424	4835376	5195595	5778722	3102913	4173664		252
255230.5	840626.3	909673.6	431998.7	683773.8	539564.8	[209][M+1]2+	18
307655.1	519549.5	470822.5	326500.5	321201.4	0		4
3985348	2849325	3511723	4063996	2429048	1114011		2
9776498	9076157	7436766	9308156	8879700	8004657		363
34427618	37689421	28094757	25764464	40533878	40002876		2
2662638	3405705	4214137	2154313	2215822	537242.6		9
15068436	17815681	12208240	13281816	19036106	20124169		2
8247028	7145936	8193997	8067698	8495102	2256412		9
4906096	5032494	4709513	6616854	2898871	4515794		180
2893557	3635565	4047294	4434983	1503590	180619.8		2
944716.4	1556287	1074291	982396.3	1301824	826686.4		2
570314.8	2029627	2327197	382005.4	652342.4	425884.8		9
2206781	1300204	947590.5	807983.6	2135594	1965185		1
11331191	9322967	6385376	3694338	12301422	9280843	[M+Na+NH	15
295594.4	297023	419347.7	208974	115125	133764.7	[M+2H-CO]	43

1065661	694123	756539.5	660462	863680.1	239992	[58][M+1]+	9
2374473	3045347	2764436	2114324	1461809	1584743	[M+K]+ 46!	5
6334065	8473356	6775395	2724756	6730774	22582382		9
4502174	2499084	3663150	4778842	2059136	1198389	[30][M+2]2+	2
2411316	962993.5	4266869	3531205	5494136	3742421		418
14482677	249321.1	3712145	9082204	382154.4	32245051	[456][M]+	94
2771316	3892295	3509270	2059718	3545413	4724927	[M+Na]+ 4!	33
7392714	3249565	6189946	2887848	4405906	0		115
2616082	3976767	3575262	1448004	3069484	5760692	[1199][M]+ [M+2Na-H]	23
6317980	5833505	6278299	6115143	7519642	5995276		310
2802140	1863399	1643571	2071201	2191146	954758.3		4
1453825	1637073	1484910	1112610	1262111	1588153		2
6939847	3694129	5101503	3487903	4161857	81448.25	[486][M]2+	280
1456186	1714285	956136.8	1702041	2020699	1667811	[579][M+1]3+	397
6090211	11110621	8483754	6335370	7541043	14777507	[M+K]+ 39!	62
1533901	1120903	2804918	2413770	3156140	2691372		386
399503.2	160572.2	412964.6	264940.3	308382.6	0	[490][M+1]2+	280
4888724	4126977	3303343	6193743	4210281	1622030		1
33158445	13630183	27608337	12402989	18976442	956748.8		115
4086221	1833353	5870402	3171840	3999602	2351543		2
13344671	14214486	19807412	14875973	10655208	9550152	[387][M]+	237
681002.4	767768.4	313458.2	400785.3	716029.5	256824.4		228
1588765	1835966	1652397	1282689	964573.8	2012315		38
1829561	2395365	8310812	8240563	8117747	86829.23		101
65176442	31898825	4185086	52685095	55344463	1.32E+08	[M+K+NH3	21
527843.4	1792845	3072780	765520.8	794824.4	1056799		9
1071006	1397657	1767623	603989.6	958304.8	1362175		13
1684167	1362844	1497370	2092675	426089.9	1364016	[789][M]+ [M+H]+ 45!	302
2905232	3277833	3489828	3769398	3068816	1083910		9
301138.4	838322.8	5921660	122445.5	473903.9	630762.3	[913][M+1]+	20
1100723	3540703	2134224	625907.7	1990759	4769687	[1406][M]2+	9
4298557	1738571	3183636	2397074	3052358	11297.86	[564][M+1]3+	343
1299967	4228367	869769.9	664224.2	3077540	4986055		1
3084013	4018340	3963191	4009491	4196089	3691680	[3M+H+K]2	414
7232876	13602733	12304002	2703130	5675097	6365744		1

13553232	16174872	11720529	10754813	12403892	25496044	[1150][M+1]+	2
1124561	5933515	7237725	1245967	1007687	3683414	[2M+2Na+I	3
14033083	4355592	19060894	6793157	13614723	16393471		1
4199150	3089515	3695150	2973542	4147581	4251610	[412][M+1]+	9
2020475	731774.9	1363576	927765.1	1041260	0	[1470][M+1]+	205
14482644	18554912	8048557	9998384	18452747	17969523	[M+Na]+ 5'	13
1262922	1704563	1972682	866595.7	1301724	371417.2		9
13333106	6453351	2677203	4775817	13561634	12109468	[522][M+1]2+	1
92295169	68909475	55337173	84011388	65834747	26693519		2
835000.2	961268.3	768243.5	1181159	1040340	1813067		9
1045989	81231.3	146371.8	420396	526788.9	1835834		9
754351.8	535670.1	5960708	637158	777496.4	2167834		9
230613	173832.2	167558.2	439176.3	89392.82	110168		117
392989.3	706297.5	238341.4	102135.7	587824.2	1938422	[1322][M]+	17
15165455	16644652	15641636	12418227	10907610	8179728		4
7945748	11015888	10638372	6614921	8121222	5531004		9
771616.1	791069.1	1158621	740774.4	789523.3	1247806		9
1139914	968033.8	497403.1	877862	1262589	3262357	[M+2Na]2+	81
2992103	2191904	1458042	1670505	1255042	780955.6		133
45885507	45829532	37696775	36389723	52415719	52989349		2
3010845	4184588	3290844	3042100	4560975	2880703		9
961088.5	1809874	1715075	2377916	3565972	3372528		1
1559520	2142716	1853356	1256119	1580959	1215316	[M+Na+CF:	8
4139972	7079333	5349805	6045745	8924387	6662344		2
6787818	7891125	6711844	5622848	8442028	7502477		2
422194.7	545396.8	86503.88	459548.6	364791.7	1544789		9
2770534	4017462	4276562	2332691	2496759	1235269		9
2830183	3115622	2977520	2849660	3229462	2946419		293
17103120	7538119	7283340	17092538	11322410	1755316	[M+K]+ 34(	14
1106073	1036565	852332.6	1096543	793662.7	751010.1	[170][M+1]+	146
4353295	3872192	3031517	3773124	4199466	3767525		9
30455738	27720060	23912538	905054.7	8204662	40003179		261
2280395	838846.7	737399.2	1706618	1315943	965728.8		1
34285870	56001001	41495081	23854461	35386141	72911851		4
442343	959712.8	650789.2	126737.4	357513.2	1140817	[3M+Na+K]	20



1033371	2003321	2150761	522539	1309496	2420321		9
1974244	2015831	3775613	1592997	2065113	1212409		9
891855.8	2125317	1140277	840827.4	1581637	1790602		4
1040347	291780.7	826430	300844.2	418943.5	0		115
613635.1	428925.1	212816.5	555872.4	552387.8	640511.7		171
721903.8	936336.9	609792.2	53894.3	571138.5	777773.9		39
2609698	3704980	1845272	2724830	2744664	2996637		415
24276745	31038953	21071897	21827530	35562172	37530710		2
503662.4	157245.9	702816	2448695	877021.7	360284.3		81
13228824	13558693	11461644	12727497	17093655	16042407		2
1659423	626343.5	1520029	4400501	1966623	263718		97
1676978	1229099	729001.7	878410.5	998856.4	183548		4
4920351	1464669	1747082	2253038	3282911	12651478		1
3308255	7168529	3612443	5095397	5925917	1030782		97
2329428	2197876	1085170	2497985	984063	214716.5		2
858496.9	1465271	0	330360	1532653	1804920		3
6207473	4140892	4530539	4845640	4811944	4622118		202
369346.6	1129660	1102271	248334.9	429584.7	1101030		270
2021918	5394226	4494108	1676904	3239214	3048094	[3M+Na]+ :	13
7751545	5830839	7000890	7696575	6954620	1709600	[M+K]+ 31!	14
5488593	2581884	4748495	5822188	2773209	677292.7	[1191][M+1]3+	2
6214777	26796681	19414116	2731871	14880045	14507585		1
521500	676345.7	417573.3	486628.2	567025.6	234286.9		196
498342.4	3206877	575824.9	378867.3	493925.1	335295.6		89
5197074	7661338	5121908	5945130	7512908	7252242		381
3836934	3234099	4790870	4060545	3398355	1685906		2
1764519	0	1751137	710181	1937151	1211836		1
401362.8	763887.8	490106.3	404518.7	1227075	356576.3		4
1.54E+09	751957.9	2.52E+09	6146336	4403863	3.35E+09		9
1173913	1383865	1197394	936188.2	1134844	940563.5		4
448713.2	287292.1	303386.2	223258	246129.6	58430.62	[1581][M+3]+	42
707365.7	1484604	1115171	408516.1	1609712	3333516		9
2041182	1118642	3118299	2970284	4938696	2962340	[1321][M+1]+	2
1859036	2048889	1926127	1399908	1813082	1392678	[353][M]3+	4
18536345	28755473	20227007	11793627	19307236	44709709		4

6528845	6548778	4332182	9374060	5146165	6260876		2
1712543	2475357	2200150	1847308	3205983	0		2
1767653	10261445	2138741	5392609	1681150	2490686	[M+2H] <sup>2+</sup>	15
564677.2	821027.9	1131849	345669.7	654933.9	193122		9
2014586	754606.8	1536967	680228.4	1290529	44340.84	[1603][M+1] <sup>+</sup>	115
45752245	6030707	3262995	46907636	4379861	42800876	[M+Na] <sup>+</sup>	189
14621890	9128170	9667951	11787571	9405163	3628390	[213][M] <sup>+</sup>	248
1859440	6326843	6993983	2559360	27077373	13391810	[M+H-C6H6] <sup>+</sup>	11
4961546	5056512	5159928	8022933	4549981	4343243		429
417943.2	1714437	573617.4	184604.6	1049057	641430.3		2
1248453	1214319	853991.7	775289.2	280440.8	531849.2	[567][M+1] <sup>+</sup>	4
1787540	2680674	1628666	1157643	2386837	4381574		9
2840949	3797030	3400137	2989306	2831259	2835684		272
4018850	778863.7	4285202	2843324	724529.4	4145515	[721][M+3] <sup>+</sup>	4
7564821	8666902	5869426	6076535	8374590	8555540		2
4308063	4557813	4225625	8548920	3117403	4415981		385
204695.6	226415	140654.9	103324	215599.4	72053.73	[977][M+2] <sup>+</sup>	98
1185887	3114144	2730364	692620.6	1506003	2330595	[785][M]3 <sup>+</sup>	9
4595723	4607699	4433424	4155539	8345998	5498345		380
598420.3	174413.4	316993.9	286926.9	327307.7	108799.4		76
591582.4	524777.9	797427	404924.2	419818.8	277243.8	[325][M+1]2 <sup>+</sup>	9
1.06E+08	589082.6	11682775	11802492	1.08E+08	29564285	[M+2H] <sup>2+</sup>	15
1068633	2169046	1428041	848705.2	2690900	7552979		93
479358.1	628651	656791.1	417740.5	448143.9	227258.3		9
2656954	3300395	2769641	1928139	2244401	2241560		4
638448.1	775091.1	860103.8	799868.1	544739.3	440736.2		4
526940	495202.8	590346.9	618761.3	426815.2	402407.7	[1565][M] <sup>+</sup>	123
5646603	5660196	5883219	3783735	4620399	4444358		356
3.87E+08	4.22E+08	3.54E+08	4.27E+08	3.76E+08	2.85E+08	[254][M] <sup>+</sup>	32
339079.9	934762.9	415656.2	220837.4	450605.5	421948.6	[1575][M+1] <sup>+</sup>	38
27990475	18966036	24155728	28625302	22744288	8060323	[221][M+1]2 <sup>+</sup>	2
1701639	2362740	2175518	1328779	1828812	889984.6		4
6940752	1229515	3680717	6115463	13412541	1267387		2
2.53E+08	2.86E+08	2.62E+08	2.03E+08	2.24E+08	3.03E+08	[701][M] <sup>+</sup> [M+Na] <sup>+</sup>	25
29381340	38793647	48491465	24195352	28888489	8897176	[778][M] <sup>+</sup>	9

81257477	93523701	82854730	73196479	83561295	76003134	[685][M]+ [M+Na]+ 3	13
5428144	3742962	3646937	3383052	2794595	267794.7		159
8745598	11304026	9968808	7119673	9904795	8830538		9
5508670	1042110	3388391	5145196	2467215	121464.9		2
5434498	6877310	8968384	4041675	5034356	923695.8		9
4921480	9012342	7142495	8267771	7308440	4927302		116
954635.4	520255.4	1042995	878300.6	708732.7	274797.5		28
264945.3	144335.9	185215.4	228773.7	558987.9	246401.6	[155][M+1]+	173
2969635	4006983	4033207	2158700	2992796	1553128		9
1125676	1912501	1344178	874593.4	1300385	2449117	[546][M+3]2+	4
1608169	3789556	1278256	881476.3	1140730	0		2
1727296	2288389	2047484	1466478	1920789	491848.9	[1373][M+1]+	9
110329.2	727771.7	369350.3	176471.1	335340.9	678114.8		4
4344341	5452963	3312357	3866083	6172546	9562581	[M+K]+ 17	13
1220485	1482195	1519075	1093097	1225191	747515.3		4
1819476	1013778	1855444	3061767	2007889	817843.8	[2M+Na+K	8
1501059	1315433	1457011	1092649	1529372	597652.7		4
838604.6	735119.3	5455803	881365	936139.8	2053420		9
4947203	6419116	4673265	2858550	6477354	6667815	[467][M+4]+	2
579499.7	216184.7	427125	152784.4	377352.4	0		68
3783064	741473.7	2739717	4124980	2735252	0		2
3003613	171897.9	26861.91	1765878	1269054	840073		41
165232.1	967502.7	516885.7	0	421464.8	156418.5	[M+K]+ 26	81
754646.2	278427.3	335195.8	555620	780762.7	173749.5		91
514124.7	358795.7	240752.1	235883.9	250756.4	690315.7		65
711173.1	833616.4	697496.7	635772.9	605208	300406.9	[M+2H-C3	8
1449209	85739.29	2341511	776339.1	1201097	1133911	[M+K+NH3	8
4764477	4856005	6053749	4276893	4142987	764146.9	[239][M]2+	9
551574.1	845853.7	622292	714800.9	521801.1	473457.8	[769][M]+	456
12517381	14837375	13425554	9117637	10564123	8905049		4
5228148	2750101	4599667	5612053	3032468	151342.1		2
3601156	910965.2	5023601	1871696	599125	236968.9		15
1.26E+08	4E+08	9.19E+08	1.24E+08	1.7E+08	1.86E+08	[841][M]+ [M+H]+ 47	20
1764936	1937119	1457794	970184.6	1121210	862061.5		4
5428531	5907782	5678160	4573182	5319368	3983241	[207][M]+	4

1311403	1572606	2440333	1253032	752754.5	1982270	[M+H-CH2]	18
1875816	1845557	2279223	1565765	1455051	409978.8		4
905076.9	527128.3	1627255	1625990	2403080	1084062	[649][M+1]3+	9
13814541	25897865	10935279	15146184	26709805	33418968	[1250][M+3]+	2
275969.4	572980.7	255005.2	465992.6	293432.5	240019.2		366
9006710	15638303	11190842	7574296	12092013	22671802	[709][M]2+	9
2368540	3279882	2209059	2667632	1669849	2119603		2
284685.1	479311.8	1591022	1655280	355863.4	1182433	[252][M]3+	24
2007450	1965455	2894353	1643124	1207088	0	[3M+2K]2+	6
1809186	91778.97	2461472	2335793	1770114	471859.4		14
845858.7	1230905	925638.1	576694.2	1027766	904954		4
2156108	534733.1	883921.3	2055833	322858.9	2113199		9
238946.8	585116.6	272251.6	271291.5	237435	296594.6		134
2176530	979822.5	4039819	1662077	660605.7	2717137		9
1938524	1022749	793955.4	1239703	1055125	4707085	[533][M+1]3+	58
1700155	2729195	2620149	4114026	2221800	1685951	[1309][M+4]+	2
9937505	16308695	19027581	8245257	9987291	4730677		9
5350862	2680167	4642257	2162557	3217257	13064.42		280
1003616	1396188	1355989	875447.9	727535.3	1066407		9
33372393	24151.69	343481	33526615	26696197	801901.5	[842][M+1]+	92
10839963	1506340	10399390	13355156	6572420	6467307		9
3616941	3855496	3924526	3343027	2694045	1139661		9
705835.9	553295.1	1162662	1036804	442572.4	1377089		62
1665105	2088360	863366.1	2084289	1065235	1447684	[902][M+1]+	43
11858391	12562830	13521018	9602855	10113396	6231595		4
4380031	6055929	5273827	3436850	4836552	7059158	[890][M]+	4
13033085	17303864	22097200	10732579	12695999	3264125		9
445355.9	724696	762462.4	411111.9	355004.3	599321.5		4
289685.3	395035.9	685497.9	577040.7	292252.9	0		4
3025212	3271465	2023551	2219364	3038168	1125830		9
639460.8	1524289	2237979	620006.4	777848.6	963375.7	[1406][M+1]2+	9
1.42E+08	596543.7	3619021	1.42E+08	1.16E+08	5055837	[842][M]+	92
445756.5	509826.8	531634.7	995452.1	1118979	289536.9		4
761612.9	1559527	1021907	509192.4	778240.6	554365.9		4
6259739	4627926	3839862	5230458	5830744	1319348	[1190][M+1]2+	2

2540844	1245022	2456500	2779899	2667322	919229.3	[M+H-COCl	3
22323892	12300012	57571232	20391058	23012954	8722511		175
196399.2	191354.4	196811.5	167447.7	174920.6	178591.2	[M+Na]+ 20	136
1001949	1196127	1403132	986412.1	1035039	828544.9		9
625761	451893	354577.1	2308130	639132.3	335541.7		91
3918042	2317354	5158753	2446656	1826417	387129.8		1
3420565	5039184	3335153	2459789	3430959	9477658		304
2730117	1355779	1911647	2425304	985639.2	677575.2		2
4742783	4914728	4379854	2847196	3932629	3538688		4
1141908	2730524	2684952	2076078	1328463	2282038		9
34372091	54503818	42139618	23441540	35098811	73960340	[782][M]+	4
2054461	3020167	3303214	1669117	2050036	831716.8		9
3525095	5330557	3915601	2150752	4374085	3356721		9
4296091	1578596	1751472	3122923	7391766	6395841	[M+H]+ 49	21
964961	1001725	1044943	667702.6	1021903	76235.52	[3M+2Na]2	8
875403.7	637150.1	1166649	627637.1	552447.6	74857.23	[843][M+1]+	9
5831557	4383468	5014752	5313600	5051717	822035.9		2
2266123	5063097	2166300	2122667	10197667	7591043	[400][M+1]2+	2
429337.3	65289.13	832132.6	520375.7	427916.5	0	[M+H]+ 10	8
682614.2	1292889	1276594	335595.8	981990.4	2181864		9
3358059	8221544	13399057	2908034	5381857	4749125		222
2668940	604650.1	1856936	901781.4	479032.6	5306333		1
2561200	6328206	1778044	2689864	1935226	866310.2		4
1090339	981904.2	444442.3	655984.5	920780.9	2375967		9
63728937	42522366	88244972	89212956	58273685	324416.7	[68][M]+	6
623146.9	1038601	2130754	949551.1	1903646	921916.3	[M+3H-C4H	14
7725024	5681827	9033387	19354961	9302696	4562542	[900][M+1]+	115
36974229	16313259	29761569	13424059	21918236	55488.96	[373][M]2+	115
1481993	2576122	1935186	662230	1485059	1294296		4
12911129	4267324	4699064	3990381	6021739	4266902		377
914281.7	925132.1	725838	847443.9	1063179	840581.8		4
667872.1	1073310	741705	664757.6	769719.5	1086050		4
1413034	1361432	1374715	810463.3	550274.9	890983.1		4
903939.8	2637178	2461577	563078.2	1725453	2835084		9
420584	689438.9	812949.8	501529.3	559009.1	11231.93		338

521827.4	1003437	1180079	240747.8	602612.8	897384		52
115496.5	1228338	404057.4	46516.19	115331.9	692305.8	[M+2Na-H]	18
559826.9	1257923	1942910	455829.6	785862.3	1040009	[M+K+NaCl]	8
6052152	3308279	623661.8	3245712	6498493	5571983		9
9597365	5737720	8689528	14273723	10776548	1085376		2
2268029	3453641	2106280	2044850	2871802	1641487		2
2898770	4785262	1932840	1206997	2586331	2638902		4
3154625	1882451	4088520	2663959	2936819	481857.6		1
1939753	5071357	2178118	1587545	3466996	8180672		9
10675185	2717336	8979360	4921335	6273112	1530952	[532][M]2+	109
1.23E+08	1.37E+08	1.16E+08	1.12E+08	1.1E+08	84861347	[M+H-C4H8]	58
1761495	3125255	1915524	1052198	2061112	4365361	[544][M]2+	4
742500.3	134491.3	615048.7	758911.6	823647.4	965779.1	[M+Na]+ 1:	8
621181.6	1499766	1051071	566780.4	1732761	4707193		14
1309081	818787.3	350450.6	2261189	468766.1	166058.8		81
1582274	949326.3	1588330	963460.7	779736.8	566938.3	[3M+K]+ 2:	297
985940.8	982921.3	1208916	895737.7	1040611	106327.7		4
4189982	1226033	1054780	2059876	2462494	3171872	[480][M]2+	1
2299176	1448217	1478783	3319464	2125307	1854963	[33][M+1]2+	2
1719370	3042201	1564065	2007105	1379902	2197741		1
3314523	4258653	4332050	2801384	2994663	1479921		9
1.49E+08	3616296	1.89E+08	2646048	4466366	358470.2		9
8954775	9688528	12023042	7134029	7521686	2816892	[1025][M+1]+	9
728373.4	1609373	1812693	534276.3	942887.5	983978.5	[M+K+CF3Cl]	8
43521752	43649958	46766853	40588297	30153779	28924487	[2M+3H]3+	20
7825011	7543164	7180821	1751898	6833396	6019840		174
1145739	4171713	5937642	888478.8	1836540	3152874		9
2824158	4096370	4594488	2404467	2646517	1373352		9
4733424	9189965	6151899	6783739	6238891	4843872	[1011][M]+	46
1398611	2974400	1879992	825248.5	1765910	4593268	[3M+K]+ 1:	8
22408985	15172082	21667002	24699821	15757951	2752716	[560][M]+	1
4422464	4117942	4231654	4338190	7910591	4083452		454
1073892	307569.7	2278099	1787425	346138.9	961829.3	[2M+Na]+ 1:	136
638273.3	250645.3	672792.4	456533.6	503482.3	501035.5		39
1795502	2428192	1816829	2026610	2103218	1703389		9

710315.2	811573.8	695222.2	431530	487734	276793.3		81
452859.9	660164.7	463631.3	123179.6	284881.9	952391.7	[876][M+1]+	4
140827.1	246673.5	178200.1	154106.7	227282.6	158829.3		25
921801.8	1035447	460753.2	669058.1	681014.2	230093.5		9
2646540	3436997	2923767	2066986	2773628	3777979	[622][M+1]+	4
2887499	3786522	4368712	2033456	2434208	834094.9		9
1827945	3591822	2217733	2181657	4558494	2695957	[1623][M]+	2
968667.2	1526947	263995.9	578545.8	1039097	1454142	[1490][M+1]2+	9
2719734	281677.4	820322.6	2125425	1484243	1307695	[2M+Na+K-	14
16162169	8885842	13024105	7274132	8777661	6760477		280
2519357	3187005	3061003	2259541	2394409	2015304		9
12093156	1930217	3079324	1106782	8497578	2362182	[M+H]+ 37:	12
8597924	4489950	11376573	5428352	6569106	15846520	[M+Na+K-	136
5869183	4361422	5445764	6168183	5418138	5951353		293
7357387	5755213	3749836	6473626	9246226	2608436		1
908900.4	1138677	1880598	703766.7	800159.6	0	[774][M+1]+	9
9119874	6462219	7510054	9275694	4670181	1028308		2
365059.3	62122.81	1167141	2082671	1475027	2837077		9
625913	381612	758942.1	314586	303241	155886.1		4
8390935	8005379	13072606	12779949	15245727	6802642		331
22072030	18471515	13962934	10974968	10103184	13915230		1
62717538	67628291	54783078	56232270	68043965	83717652	[1397][M]+	2
758145.5	473022.9	2758743	590367.9	466328.2	380770.3	[770][M+1]+	23
3583834	9144616	7902371	2713815	5304997	10128310		9
460408.6	865215.5	1367454	1262459	887040	1080918		9
2710817	2581358	2046092	2659380	2913857	2651413		195
1157506	2933214	3284835	834192.5	1669666	2187590	[785][M+1]3+	9
10782732	7868722	11844481	5420853	16124831	26383588		46
1291994	604052.2	1860032	1069802	1267429	231353.3		9
640524.5	910689.8	1171082	622559.8	949047.6	853453.4		81
3120997	2581031	1008965	3263445	1276321	1848320	[M+Na]+ 8:	58
2968204	3402173	4824347	1473969	587662.6	8617031		1
1053416	1259213	2651553	1838086	829759.9	261583.1		93
1481044	3247770	3076014	3172644	1057439	3426707	[M+Na]+ 7:	33
1144594	1873051	1287917	1322879	1224779	1233910	[M+Na]+ 2:	29

64987572	43149392	10013483	48015317	81356786	1.45E+08	[M+K+NH3	11
2292413	2559658	1762589	1680930	1717260	7786779		2
495756	1196370	524089.7	604426.9	980086.6	1837479	[M+Na]+ 2'	8
90908.18	121234.3	65808.68	75088.12	103082.8	112461.6		274
2138043	3914453	2851126	1371727	2443482	3228807		9
4595765	1050784	1820645	4567699	3782466	710045.6	[M+H]+ 37'	13
1689530	2271961	1979240	890019.2	944236.6	1935531		9
10207458	2266949	1339560	11016619	7457849	2764543		9
2282196	0	1606045	1967779	2304825	6746303		2
16312417	17018875	14021196	14418453	19314969	18854798		2
521069.5	1264996	108838.3	311149.7	901184.1	0		15
3791346	0	1056732	1274394	575571.4	373410.8		46
272240.9	843692.6	386532.2	305622.9	312262.1	346086.2	[M+Na]+ 5'	51
708086	520271	1009484	654529.2	741464.5	55876.77		4
922823.6	647573.7	4364507	882913	409453.1	579709.2		1
2043843	761934	1909281	3367205	2459431	3882535		9
480240.3	902343	1112807	202203.8	282765	733099.4		9
146816.3	1359068	878759.4	510230.3	79819.86	1288051		9
71640836	28855.71	37257.34	62131968	40975097	2810221		132
240965	432591	468686.8	241892.9	247352.5	976705.8	[M+K]+ 25'	5
22761070	15704194	21544124	25398064	23301259	3260156		1
9490128	4082009	7882563	3685388	5659776	11029.78		115
5324509	5746095	4553464	3818614	4507527	2030737	[567][M]+	4
484928.6	542824.1	887790.4	356776.6	310275.8	276320.4		76
2363914	5080922	363317.8	2052054	2090173	2334520		344
12116706	15816547	20258173	10138448	11728500	3538797	[776][M]3+	9
4727843	4772882	4035729	3481190	4062141	1181990		4
3224739	4444670	3025833	2304152	3288776	4027251		9
3623524	2691262	2431477	6805417	1464797	2756386		200
1070659	1720584	797797.4	675609.7	1399132	1797091	[1254][M+1]+	4
229208.2	975198	1127650	28607.26	834893.1	0	[M+3K-H]2	29
239217.9	281591.8	266255.4	259109.7	190181.2	125906.7	[260][M+1]+	24
309564.2	470613.5	197299	183074.5	200288	255532.9		170
5603795	1314650	8961355	4583593	6386370	555123.5	[M+H-CO2]	12
775133	0	762534	702032.4	1048181	179232		9



1067578	3100181	2782569	806367.8	1998768	4335611	[162][M+1]2+	9
787752.7	1281230	1543733	180214.2	827044.2	296405.4		9
6621611	10487331	8856055	7133761	6397416	5850824		18
50879045	26374718	11908094	16246289	39500629	7909941		1
1071683	750963.3	1364096	839062.7	604514.6	544601.4		69
600205.3	611464.8	1069769	368787.1	510742.2	2045413		9
26340110	26398287	20144757	27780157	34741521	53358797	[1295][M]3+	2
1149547	1836548	105018.5	942077.7	1856044	3241400		3
527150.3	534696.7	7.33E+08	7.24E+08	6.35E+08	373741.5	[M+K]+ 24	24
2450637	3221523	1026085	429332.1	2430347	7424746		4
229681.4	361784.8	109892.6	188822.9	410479.8	190205.7		210
1209032	1068388	1340090	1224735	1447594	556765.6		4
7907963	3611141	6128293	3229497	3862100	14962.1	[660][M+1]2+	280
1640536	2710950	919542.8	563577.8	1365041	1414865	[1043][M+2]+	101
387011.4	315558.6	302564	286318	180352.8	27575.04		276
21089626	1.02E+08	2.43E+08	21023442	38114137	40692100	[841][M+1]+	20
1383842	4081825	1311440	986821	2153244	8567763		9
1085425	1069878	1154770	1373048	767110.2	682132.2		64
59323.21	145424.3	120993	110050.6	108682.3	138959.3		136
1069068	1726730	2712164	842983.1	1345931	774897.5	[3M+2K-H]	13
1729757	3392248	7495760	760151	9550057	940143.3	[M+2H]2+	15
1986024	2456666	2058940	1586287	2005878	2301072		340
826553.3	1144669	1413609	653444.2	795519.2	604883.3		81
3699846	5388627	2963109	3863634	3089421	3270562		425
6838915	7858402	6075296	5026446	6994817	7443583		352
1583506	3225773	3639472	1401039	1013351	779531.1		9
1277824	1113667	2369598	689924.4	1074443	1930182	[1382][M+1]+	38
2219551	5755646	5933820	1793659	3240763	3015478		9
7620666	10470685	7267637	6754252	10404845	9966748	[393][M+1]+	2
965223.4	2652522	3580398	852543.8	854741.5	2216587		9
8900002	1454135	9012783	7229548	6507580	3907208		2
3502984	3119399	2968227	3192795	3191345	3270443		270
18177447	11970068	20444861	9005447	4557094	14042397		328
1672493	2799272	1777724	1589028	2370128	1643080	[M+H]+ 55	13
2833437	3366835	2616334	2114656	2681465	3524948		2

1252102	4033052	758506.8	1698629	3428426	5762837	[3M+H+Na	11
1334815	2866086	2065114	744596.1	2010726	4267374		9
1196882	4297987	3601561	4237249	5467966	1875679	[M+Na]+ 3·	15
1464016	1338477	1269741	1049919	1052969	687506.3		4
42436562	17982349	35403097	15394471	25309594	17997.14		115
4.41E+08	4.75E+08	3.73E+08	3.93E+08	4.62E+08	5.74E+08	[1200][M]+	2
5568493	5306230	6963667	2830993	4105279	4891971		1
3307406	3325849	3096496	5558527	2744947	1688265		190
6953452	8442376	6363849	3276843	6735961	8965333	[1050][M]2+	42
971207	1508446	1365634	691030.9	974050.9	358169.1		8
1677786	3348776	1609227	2200576	2704112	1773111	[982][M+1]3+	18
58480102	65944011	52180705	49249718	63538292	61684274	[M+Na+2K]	13
2032125	1580785	1130039	1278603	1420608	2444133		2
519749.3	927088.3	537209.4	301085.3	390795.1	208748.6		4
535083.1	2241106	855992.1	720417.9	536848.7	206218.2	[M+H]+ 52!	51
3267858	2289535	1796385	2838670	937745.4	3024321	[1549][M+1]+	16
749759.9	0	1504596	1862455	607540.2	918414.7	[M+Na]+ 1!	13
2241809	6027403	3432446	1502116	3980142	7363309		1
678477.1	878493	778246.5	1160931	1227649	801930.3	[982][M+2]3+	18
4165775	2444540	14206946	2917278	1646070	9150694		4
204091.5	96246.02	565386.4	395799.1	421287.9	189778	[878][M+1]+	288
426591.1	601880.3	1730498	448574	401222.8	147580.1		91
1362705	5801164	6941156	7158564	7006950	7027136		396
4949192	7311262	4665219	9356979	1119667	1039403	[M+H]+ 50!	253
13496603	13083891	8706726	13540260	19671334	12431013		2
520458.3	953580.6	1517515	316172.1	590845	0		9
541253	631774.5	924660.4	697515.8	419002.7	143738		91
47882785	49574127	49035939	57644148	46805960	36542789		241
2160586	2510635	2614554	2286666	1877489	1669646	[M+H]+ 26!	97
2092216	2149230	1595256	1816856	2712422	1387009		155
1581927	1886361	518052.9	994496.5	3594493	4376719	[3M+2H]2+	11
724995.5	1369604	1363771	658533.9	1269656	1208288		4
1078388	20140408	19672666	22080526	22328993	8829362	[47][M]3+	2
2662481	2342658	2318868	1744385	2242206	1069320		4
998006.8	2808045	696540	844748.3	1948747	6623597		2

28228019	25993696	82467327	19782811	19123082	5793097	[M+K+HCO	3
8515016	6214410	4611938	7958609	8061224	2825045	[M+H]+ 51	253
1.01E+08	51042732	1.11E+08	73742655	81870610	78373538	[M+Na]+ 3	6
4130268	682923.1	4077554	4805020	5328312	5488464		2
521636	485367.7	559823.3	995565.6	317408.3	947658.6	[M+Na]+ 6	33
1668861	3526466	4441942	2323820	1359390	2862489	[1501][M]+ [2M+H]+ 4	39
4044878	4845233	6227617	2558401	8107980	4693649		372
17658247	18156310	14692671	13848737	20684885	21007969		2
70938514	78192850	65710279	79369753	69333498	52673664	[254][M+1]+	32
59469.96	167524.5	199749.4	75361.6	589764.1	979082.5		494
1861672	3105397	3368651	1243811	4227104	5978472		1
1241861	331966.4	995528.4	614429.9	1220616	2023859		4
3178871	4036421	4047053	2627107	3043025	1642889		9
5524756	10196871	7357982	4013890	7049851	11598110		9
2052787	2696247	2361084	3132595	3069750	5911477	[1217][M+1]+	2
77324924	1.67E+08	1.1E+08	81910490	1.6E+08	98834201	[40][M]2+	1
1493595	683127.5	954034.1	1358467	1777135	2744916		9
17803355	11509810	13875888	14604980	13285636	6987027		2
21521411	37136315	28095578	21806601	24374089	47706297		2
4438732	2762405	2719633	4389478	3500087	698463.7		9
2733837	2120493	4652010	3292851	2755884	22032207		155
4574704	3623532	2738900	5166007	2812918	2569983		340
2132729	2814500	1808432	1878588	2683525	5031676		9
5280514	4629332	2953190	4662353	4094475	3952388	[M+K]+ 43	425
989188.6	1597183	579541.2	484571.1	1150125	2249216		9
10889365	16969965	9620349	8696468	17016983	22162770		2
12600637	15175967	13025876	10204623	13577005	12551480	[M+K]+ 33	13
5639850	5206361	4433793	5489844	5135241	4034354		2
194651.6	191522.1	199782.4	116271.3	109487.9	65104.48	[1225][M+1]+	74
930595.9	1726576	2994043	476573.2	563965	1817267	[409][M]3+ [2M+3H]3+	18
4804642	1816702	1047042	2826085	7975937	2488019	[1265][M]+	301
3024527	3923133	8986323	3149029	8077111	3814816	[M+K]+ 17	6
2413620	2384120	3734907	3143325	483149.2	2081484	[M+H]+ 22	199
1980352	2380084	1665299	1477774	2063458	2546494		4
1154358	1004836	1107092	837696.3	847459.4	0		9

9065513	19131078	30731410	7153381	41379484	9223610		216
15199226	8625702	11750443	15744463	6280347	130727.5		2
1.35E+08	42451114	40911458	1.67E+08	29443583	26625589		215
1032735	2157194	2214510	750988.4	802429.9	926845.8	[144][M+1]+	9
2506988	2271536	72908.05	3181457	3492255	3422733	[M+2K]2+	41
7358632	10253939	7051918	4297079	7973638	10443489	[659][M]2+ [M+H+Na]2+	12
557990.4	0	1305468	568054.3	396722.5	645110		9
3020814	3629973	2818772	3716742	3612327	2569297		2
2316142	13249294	2649911	2116605	1552240	617053		1
624998.9	0	3285964	674094.8	916516.6	381475.9		9
1871979	1844636	4782237	2504659	4566247	7555844	[M+H-H2O]	15
4314329	3217978	4663714	10466169	4722513	2919977	[901][M+1]+	153
1047674	2305030	1511075	531105.5	1342104	2710897		9
31928165	18394329	1736387	26514247	6884068	22506171	[502][M]2+	2
2162471	2664146	1780474	1079070	2096889	1633864		2
5262244	5383784	5222048	11877613	4209438	5037287		381
1016746	936121.5	1152487	805910.2	703088.7	649536.6		9
1404140	1394787	1533401	1096222	1165088	563517	[54][M+1]+	4
60965871	81091098	27009086	48834558	54330358	75701458		11
551836	2917990	1214745	1580146	3070242	2068276		15
3091540	2968670	3900465	2477662	2524844	74785.31		9
977099	1300600	1292825	961572.9	1202507	609854.6	[1018][M+2]+	9
290641.1	371598	460157.7	253155.8	237065.5	238963.2	[1551][M+1]+	225
468766.5	641908.6	795224.3	151774	326431.9	435676	[1453][M+1]+	25
1786940	3111369	3952892	1075551	1611616	1490705		20
3838601	4141875	5358750	4418348	4082247	6002095	[M+H-CO]+	226
0	521530.7	0	475280.7	64577.46	1362937		81
1549588	1187334	1812043	2414722	731984.9	1081922	[M+H+NH3]	288
8003188	5365124	6278076	8442083	6891850	1380397		2
1843806	296191.3	2657452	761995.2	1906190	11504.86		343
1332576	2437650	3038636	1010315	1306201	738704		9
5101613	2586042	3736522	3442092	3613849	3264724		337
922655.3	1171825	1242927	749319.2	679953.5	0	[2M+Na+K]	8
666515.8	1394258	1065155	450217.3	836237.2	863549.5		9
157029.5	99035.72	233218	87747.8	113222.3	7209.656		304

3.76E+09	4.81E+09	3989000	634655.7	3.61E+09	3559586	[M+Na]+ 4I	10
4730686	4029288	1420191	4325750	4262140	7187920		9
3365330	1499141	3673799	2539798	4007315	4603096		9
1371737	1955042	1749623	1630663	2304619	2409341	[2M+Na+2I	14
4457806	4259154	1033579	5499536	7116360	595436.8	[2M+2Na-t	3
6764763	7175742	7724778	6107588	6247313	4131563		4
12696203	16478023	11786686	11494698	14598395	11324360	[1350][M]2+	2
1877470	2708572	1737155	1328117	1886781	748106.8		2
252417.8	480097.8	696709.7	473683.1	412817.2	369572.9		68
6906965	7053727	7794480	6194424	6363601	4144619	[173][M]3+	4
1590323	4530621	1639846	1558647	2061323	7091256	[1020][M]2+	9
1407468	3316378	2465722	1253618	2274786	13513984		2
16332728	18189767	4894681	2045787	18487242	21455727		15
3.57E+09	2.46E+09	2.18E+09	1.69E+09	2.81E+09	1.46E+09	[794][M+2]+	1
5662429	2642350	4871989	2909803	5635784	5459484		2
670581.6	1155810	1343025	1664584	1003751	770353		9
9919307	4337633	2835043	8415986	5346525	791683.8	[M+K]+ 26I	14
716963.1	1082658	718323.5	484845.1	659841.1	1517153		4
2332059	2769649	2271648	1618377	2178782	3705525		4
3375244	4802060	3635730	4745550	3683175	2559104	[1486][M]+	394
857242.7	1013480	949360.1	920149.8	796314.2	558348.4	[M+H]+ 43I	73
582224.2	1230389	493740.8	623484.9	515286.8	1365864	[1390][M+2]+	12
888345	0	1217314	772123.4	751441.1	105145		9
1819339	2798217	1677219	1468306	1767831	1620372	[M+Na+K-t	29
560868.2	863314.3	778309.8	326192	626570.9	0		9
2170085	2570212	834560.3	1445936	2433418	2019311		9
19773799	44060922	37679749	13358390	26179776	42837611		9
445389.5	39460.26	841767	363822.2	496192.6	3177073	[M+H+Na]2	38
440949.3	957605.7	1321605	459854.3	279935.6	0		9
581808.8	645618	397162.4	279269.5	288599.5	11252.33		86
2162375	3104599	2106797	1728845	12608009	6532870	[M+K+NaCl	6
762312.8	709918.4	1196085	1484413	762642.7	971920.9	[697][M+2]+	83
146092.2	238414	203518.4	357014.8	107015.7	85253.6	[M+K+NH3	423
41491591	17415787	35799987	27797341	33366771	704818.7		109
942920.1	2252458	364807	434973.1	482447.4	414338.2		105

1507894	1801586	2004809	1340274	1476157	1052658		4
521838.2	1662745	925481.6	602036.8	413135.4	3273993	[3M+Na+2I	21
3990851	3173361	1546383	2562503	2586302	57066772	[2M+2Na+I	21
14882734	16503684	13062576	12646946	13475554	25253206		2
1183976	951914.1	1844173	988165.4	588357	956242.4		4
17588058	8858114	3802880	16327984	14472078	14954024	[M+Na]+ 3I	11
27987954	50724806	69240522	25941540	26142610	29474683	[211][M]+	20
717576.5	2062509	341681.4	693222.4	1650868	4687244		81
464190.6	0	1614189	183764.8	424287.8	0	[713][M+2]+	9
731252	811411.1	520985.1	715348.2	1344674	89988.2		9
482537.3	994293.9	1676091	433908	608206	83495.69		9
7236459	5796675	5703414	6063334	8408703	2805765		407
1052009	1008254	1456870	726283.1	1024766	366195.3		9
1096238	660818.8	1180285	306505.7	597282.3	1310384		4
6863230	4982640	4220617	9958410	2776535	9763432		190
572043.3	23202.59	0	558764.6	75185.52	654447.5		12
6960589	5922006	6696907	6831288	5972465	3887765	[99][M+1]+	4
3964206	4902201	6788562	3432343	4229967	1167821		9
392038.4	1042900	276956.2	124968.7	668923.8	1569355		9
6100884	5716711	5126433	5224967	4268365	1280061	[1156][M+1]2+	2
2.76E+09	2315377	5.23E+09	651422.4	6636853	7077376		8
13806159	34264397	14358305	12286393	12049721	16507891		326
828128.5	1166020	1051922	724622.6	591495.5	663805.7	[1611][M]+ [3M+2K-H]	134
3516787	1915019	2182589	3239891	5372416	3791834	[2M+3Na+I	11
3642263	5730715	3697956	2270561	5495867	11342223		9
31545547	18971589	23832220	15952226	14694454	1158343	[1268][M]+	139
1291091	1514255	1270619	1505666	598061.8	2683077		9
1980151	0	1731391	2064729	4327571	5033785		2
61275662	74171687	33359503	48506140	46815042	1.3E+08	[M+H]+ 50I	3
1482651	2294357	1339913	652294.9	1478930	1548154	[958][M+2]+	101
6309726	2429201	2520260	5693264	2632649	1618804		1
2026577	2190698	96773.67	866554.9	2656550	2807671	[M+Na+CF:	3
8745075	1287187	6642306	9868185	2863155	228591.6		2
6773435	11432601	6796649	5032432	7536568	20926414		292
15995294	12342162	12807744	10943724	9187504	347509.2	[636][M]2+	286

407847.4	322640.4	570968	353163.7	292335.7	311614.4	[1558][M+1]+	78
754999.2	964280.8	829736.6	449768.6	1027588	1198012	[1188][M]+	17
1949268	1596890	2157740	1853844	243383.4	3316705	[929][M]+ [M+Na]+ 4:	72
1784353	1475951	1474654	2549001	1553681	1452440	[81][M]3+	9
574266.3	870978.9	872972.9	535272.4	410844.6	576974.4	[1051][M+1]3+	16
7588536	8701286	8679019	3081478	15688573	2494371	[588][M]2+	1
670962.5	500623.5	1438277	1158581	1151265	620963.4		4
1295966	1327038	1069271	657768.4	1262496	488314.4		4
399725.4	777114.6	1304077	478428.4	493674.1	218642.1	[200][M+1]3+	9
3877026	7766451	6398587	7728404	7125112	1446247		293
18919119	15316116	18421196	19677679	14801573	15368073	[27][M]+	61
376877.8	654060.9	957052.9	506885.5	232344.8	370913.8		4
5513460	7430379	4417590	3604282	5947473	12722310		4
829213.7	1291069	290285.5	319693.1	1034364	3715285		9
3658729	9087450	7775345	2360401	5274681	10536773		9
9247016	6222680	8189442	10140780	7542601	1551487		2
1317749	1521415	1022166	766198.4	1075108	1381584	[1050][M+1]2+	42
1282544	2025090	4051903	2947121	3949538	6601611	[461][M+3]+	2
214298.8	284116.9	191082	335581.9	250609.7	48307.32	[991][M]2+	220
2656606	2876927	2746103	1474054	1254440	814480.2		4
1585796	1971330	715956.1	1122112	438555.8	3078914		4
10311459	10809825	11626890	8238779	10132220	3984897		9
3753302	2741473	1456716	1371125	3233292	3337767	[M+Na+NH	15
1136247	758635.3	459567.7	963347.9	566988.5	375014.7		4
4539924	8464883	7966950	8614877	5915217	5366492	[671][M]2+ [M+2H]2+ :	18
3456456	3909310	3813375	2465122	3393143	2577069		4
2440244	3905109	2612309	1232768	3117582	5768430		9
3008498	3363932	2041976	9025826	4029691	7449791	[360][M+1]+	2
1446692	3850240	1921807	1154214	16627167	11306870		1
4342998	3753371	4267108	4569730	4473473	1975089	[58][M]+	9
806570.7	862167.2	605071.4	529586.1	621075.2	479501.9		484
1781075	2584442	3208934	1724120	1980588	341430.8		9
3018471	2413322	3137789	3557820	2939248	1839184	[1096][M+1]+	244
1108270	1667509	1116021	1559041	850490.3	1236116		9
798895.5	906118.6	791301.3	917549.4	985283.6	110697.5	[M+H-C2H4	8

1489408	702709.7	1678185	2007176	1517531	551623.7	[1500][M+1]+	367
2336933	3396068	2736208	5729187	1619821	4020653	[892][M+1]+	38
249867.6	2E+08	512317.5	1.51E+08	415991.7	2.32E+08		25
450091.9	1374325	591895.4	573641.1	375039.3	386099.7	[M+H-HCO	93
8816919	9831206	12061735	7393439	7449149	2400769	[240][M]2+	9
968579.1	1065227	367576.7	463142.5	901770.4	747534.3		9
670629.6	739413.7	854665.2	1801326	412081.7	434875	[1467][M+1]+	2
1723440	3608145	1737118	1459488	1102557	3816117		9
1928658	3663440	3434703	2435198	5456172	4149119		1
0	706547.1	1106109	0	625742.6	0		1
80943854	93635459	83209965	73436422	83741613	76342596	[678][M]+	13
821365.9	1008393	1033482	602595.4	545212.1	18053838		9
1009835	795457.5	404840.2	788728.7	703584.7	918157.2		4
5642450	3574028	4729555	4317184	4369049	523912.8	[910][M]2+	62
708461	954449.4	589763.4	389992.5	381144.4	188461		4
636044	890178.1	994148.7	504367	554072.4	378414.4		4
2686598	287366.6	1822999	2241999	983269.5	0	[M+H]+ 66!	6
1846973	1132684	1564419	1324114	2784411	3560473		2
16213033	13116530	16186149	15954372	11626665	12540575	[73][M+1]+	61
7502904	0	1338878	6379764	4656025	235096		2
401063.9	723351	800047.1	402040.8	454291.3	885440.2		4
3089615	2321647	2966824	2775871	2431614	2667939	[M+H]+ 35!	339
512363.6	825025.7	924733.6	386730.2	549764.1	0		4
1819044	383346.3	2089503	1463521	2268957	5831996		2
3116392	4165664	2865917	41682738	1814171	17373030	[147][M]+	164
1501456	1190401	1867931	1456931	1108104	578609.1	[1540][M]+	71
23353694	2132906	18516743	21655597	28944219	43573253	[1162][M]2+	2
1988919	2793667	2054552	1484695	2066068	3659106	[551][M+1]+	4
18885840	25091820	13346322	22053308	19178061	21753489	[M+K]+ 15!	13
7779788	3140959	4942802	18539479	361140.6	2605249		3
9915025	13915855	12057247	11099671	8074838	17319169	[809][M+1]+	15
1721653	2590955	2707633	815184.8	1449157	640484.9		18
2144338	0	1093752	1468851	956147.2	128295.4		1
6054968	3951618	7035348	3604268	6862277	2539747		4
1977441	3177511	12835220	1082162	22633619	3520500	[M+K]+ 19!	3



3.08E+08	3.4E+08	1.39E+08	99931493	3.98E+08	3.28E+08	[M+H-C2H4	15
637538.2	883421.4	404149.3	290312.2	621750.5	2925518	[3M+2Na]2	8
10288840	1638621	1868239	1019289	10425410	3359574	[M+Na]+ 1!	3
7864140	13215186	4534569	6736938	5174010	1013071	[M+H+HCC	257
1958669	2670590	2858583	1691490	2127659	957802.5		9
3519234	3601566	2833707	2908425	4323943	2998352		2
7025490	7115085	6889708	4531045	5634641	3672565		4
227847	530685.1	641562.1	593583.3	399418.4	419211.9	[1110][M+3]+	43
1272009	2235201	1371505	1231190	1852523	1337409		9
25855.34	827671	1782648	34857.93	183078.7	219089.8		20
1743361	3255035	1406320	876271.3	1535819	1381145		4
21085870	15688435	11066897	14192460	8595672	11341203		207
593031.2	1064910	877459.9	427480	638860.5	1077739	[703][M]3+	9
53230214	36612202	24292507	47814252	47741553	61471499		3
3691660	2963736	6372114	4762405	2666570	8433161		154
1332369	3583161	2515024	1460994	2773667	4442472		9
1996621	2768545	2130192	1319156	2203268	3570575		4
557694.4	657469.1	899993.6	702810.8	498590.7	2499839		9
1194084	4123011	1053821	4951123	2952441	3252262	[M+Na]+ 3:	15
205695.7	996752.7	610400.5	104345.6	789208.4	2771047	[M+2Na]2+	46
1.07E+08	1.68E+08	92356389	84376674	1.01E+08	1.42E+08	[M+H+CF3O	3
4606428	3851530	3318393	4017475	5869650	984402.8		11
3677775	2879681	1567069	3214017	2397639	8800086		9
12873329	3404917	859724.1	6216157	12908028	36112575		1
406096.5	670988.2	568865.8	367551.2	387309.6	708244.7		4
862343.8	621328.5	765484.1	923373.4	264477.4	0		9
829137.7	2703577	2555939	668542.8	1366166	2542486		9
36586683	23465899	43993551	49517746	25681062	20009221	[249][M]+	154
1272412	901316.2	943217.7	1125951	833970.8	443131.3	[213][M+1]+	248
916513.8	1562526	2372854	1925353	1518614	55228.34		9
1889859	2755314	1517758	1127798	2021939	1403896		2
86820202	71783416	83547242	92330893	92266545	55427028	[56][M]+	2
6668914	1613248	5993653	5430984	1245654	2044514		2
9909121	16314220	19018846	8511221	9850657	4806103		9
3396093	8856728	7046481	5915769	1377294	8198301		241

4270476	19788201	4321945	1122444	4065678	929130.1		344
14949052	20899184	18452981	15179422	16719111	13913337		9
15241706	17025653	16969503	10894946	13275986	27830956		11
9422304	2761989	7596426	9599857	3836996	2284226		2
326131.2	253717.2	93499.87	199873.6	379430.5	155092.6		32
5032868	3693696	3137801	3537957	8068132	3984730		443
6149864	6769251	2294505	28477379	2187134	2078326		1
111359.5	143168.7	136848.7	96377.5	153120.1	507903.8	[1322][M+1]+	17
15996050	20341665	15379753	10530719	15281745	17000115		4
1691497	950756.9	1998077	864151.1	1512136	37801.08		115
267617.9	134270.4	163041.1	239243.4	83366.19	193121.6		63
4322746	3574877	4664209	2970896	3292046	778233.8		283
2815759	4476247	29300444	2228097	2335168	40828513	[351][M+3]3+	2
92129.74	642340.7	533855	0	72277.94	349355.1		46
2771650	3998750	4383481	2204084	2411777	1159615		9
222028.6	244797	123357.8	370077.7	122186.7	118673.7	[237][M+1]+	211
621046.3	552760.9	1137734	410396.3	526445.2	378505	[M+H]+ 28	342
1046927	1802902	1225055	476763.6	1068599	1609717		9
2851912	4733374	3365199	2971344	2620284	1814605		4
1772742	4565016	2125988	2154318	4022980	6670583		2
3864876	7112187	7830402	3365868	5160293	899779.8		9
5503428	2209195	5357088	8453530	3663164	1423385	[88][M+1]3+	1
266757	633973	487454.8	483779.2	375028.6	579228.9		190
11700107	11173800	9798241	10735381	14172966	13488816		2
1985564	1550091	4126478	2250666	2706308	1360134		1
4102445	7083261	5006765	9192920	5736098	10461096	[M+K]+ 426	93
2642496	4216956	1175261	1493320	1134589	2114190		61
1849383	458613.3	734890	1612641	1614905	1531739	[825][M+1]3+	71
268222.1	391916.9	209629.9	147996.7	272080	89741.16	[300][M+1]2+	227
4688794	5733481	5208687	3302516	3869788	2354503		9
323891.4	365003.3	433897.4	374239	381819	128238.1		78
18325403	4338883	10838517	12707062	17455658	3204161		1
1955206	3391502	3255106	1439243	2237230	2687144		4
1588544	2517213	5168821	1148196	1932547	2876148		1
1236536	2702279	1711733	1768504	1729733	511822		2

743505.2	2797081	1284888	4277869	5600095	4257104	[M+K]+ 31:	3
240095.6	927954.8	617332.4	412944.3	241473.7	494647.4		4
40987521	44905088	34125672	32746053	47949332	48578958	[424][M]2+	2
176193.5	489545.9	944301.9	235557.7	372031.9	186549.5		62
2292654	1587649	1800060	2472382	2130165	2000951	[M+H-CH3]	14
1159800	512465	320045.2	1073620	1919037	413800.9	[2M+Na]+ :	51
1456673	1356628	590514.1	283617.1	1048068	3902513		9
432213.1	206372.3	318270.5	407743.2	282904.8	0		91
80653489	77731980	1.41E+08	53987503	73796560	27962488		139
1347634	2309628	1861911	976014.6	1570308	1297155		8
3049471	956215.5	1976432	2531639	1605792	3284191		13
12300029	5368878	1.03E+08	3618174	6566552	95904351		184
5362050	4522866	3682264	4416913	3693396	4044498		333
1532695	2529286	3199453	1510579	13213136	7425565	[M+K]+ 41(	21
6317088	3523222	5082374	6582882	3324504	1922034		2
23758037	33976596	17858300	23432697	30980875	65257726		2
14086644	17971912	18821195	21044363	17043463	2713452		2
1450684	1362265	1236532	826021.3	981359.2	666208.7		9
1726234	1655732	2213895	1518794	1021363	1148101	[1544][M]+	40
1600341	2928956	1005388	711103.5	2809696	5818201		9
3288844	5300398	5658086	2005609	4909408	2633283	[583][M+1]2+	1
1534768	999660.8	286441.1	2126468	336057.6	869309	[M+H]+ 29(	304
27291375	27769923	24703346	29478201	22595622	27237664	[77][M]+	200
7998371	7851440	3058687	5551342	1990704	3396447		256
184264.5	111305.2	215312.4	305103	129967	172760.2		518
21493254	318202	22821463	29004741	34072571	18610399		6
3473811	1205599	702095	3990449	634608.2	3269204		9
0	478967.6	0	0	462719.6	1819419	[3M+Na+2I	6
691307.9	507702.5	486317.2	458187.2	1052320	478735.8	[M+Na+NH	5
7605664	9411294	9257028	8505035	9188831	9151389	[M+H-C2H4	398
1566689	1011496	717540.6	1243412	1134622	2174088		14
3868304	12238864	2940812	2045966	2298502	9680300		71
7089707	6757206	5842342	6219863	4731490	3389790	[1190][M]2+	2
2675841	2055212	1034376	2713438	1493397	962470.6	[M+H]+ 35:	39
16194456	10622807	4979794	15859251	9326003	8748437	[M+Na]+ 3:	11

14593245	3671103	4997707	14396387	13396595	3171961		323
12740546	4164674	187381.7	9846569	6524963	1827555		52
2063566	1187257	1938561	934550.1	1082080	772103.2		1
1188544	1016194	1077738	1016699	670079.5	1774287		9
1959393	2019944	2183323	1940794	1788388	1005719		4
1745859	3679984	2278818	623297.3	3595532	6596905	[3M+Na+K]	3
543602	588043.5	205531.6	458216.2	686288	4895019		9
9722793	16298028	19174882	8488690	10009354	4939122		9
73628.68	655941.4	389300.8	0	410778.8	0	[M+Na]+ 3	46
377110.6	204189.2	280556.6	403572.6	195063.8	181391.5	[591][M+1]+	23
239477.1	676954.5	620949.9	274039.4	328341.5	553234.6		8
7032382	5179901	6065923	5405928	5279732	7434652		2
1027502	1037872	652532.2	1319209	1185264	78495.19		4
1859981	844357.4	2068599	1619724	446730	854722.3		9
497792.2	1604370	2323014	716349.8	483716.2	0	[7][M+3]2+	9
2912439	2501622	2277766	1576758	2230537	740584.7	[156][M+3]2+	4
1173691	896446.4	698016.1	319183.5	3.29E+08	2.21E+08		4
6646772	5872968	11596510	5913953	21892185	19280063	[849][M+1]+	1
6317386	10607533	7168621	4819111	8996149	14758089	[104][M]3+	9
1670972	2161319	1405880	1209466	2972241	7754116	[M+H-CO2]	29
45913.31	1453479	1036234	21746.51	646852.7	1429306	[M+H]+ 66	18
3369389	3178820	3673733	3749764	3595172	3160893	[M+H-H2O]	356
1626861	359936.6	2449595	1501493	1652478	622871.8	[M+2Na+K]	13
2599138	2292900	1958630	1529406	3035489	1621685		2
624642.4	1249307	1827067	932228.8	616302.7	1127801		9
8602770	8513177	9553692	7223987	7000981	6678745	[1584][M]+ [M+Na]+ 1	42
629926.4	0	2478815	389628	928786.2	1091915		9
169745.5	351646.7	182465.6	181364.3	124675	75939.26	[872][M+2]+	86
6364402	6774043	7483899	6071087	6031328	3700647	[1307][M+1]+	4
905593.2	511431.8	0	643216.6	527474.7	0		9
42257794	56598828	47501729	33637399	35286951	71910636	[M+Na]+ 50	58
12610908	3554956	3652706	13070922	5925169	514335.1		19
1465105	981539.1	987456.2	890969	2253740	4585609		2
1.19E+08	81904383	71573559	1.55E+08	1.09E+08	1.3E+08	[694][M]2+	15
6655962	4858501	8870050	7082533	4528739	768565.5	[1535][M]+ [M+H]+ 92	38

8586831	4220917	6534448	7382574	3139464	7960725		2
39714832	51214954	37960181	29507865	31036578	42193568		1
2311260	2138183	2832938	2329823	1991740	4722035		2
678349.1	2073756	7386093	8401525	918088.8	2003363		1
1.11E+09	1.96E+09	1.45E+09	9.9E+08	1.1E+09	1.42E+09	[M+K]+ 394	15
2314604	2174357	494609.2	1689840	2145487	1295175		9
15362456	18660135	9376197	13944550	20715629	28167651	[1338][M]+	2
225510.3	740854.9	494384.1	113179.1	232833.8	924186.7		4
3161104	5488179	4219871	2211228	6986584	16154326		9
593727.9	1649393	1765954	1650331	1039947	787926.7		9
13047478	11584059	13130981	15003410	10152878	3803019		2
1062196	1168362	1638630	1131753	1316729	1043286		7
546537.2	650770.1	1821721	385641.6	323937.9	309754.4		9
17897029	10826778	20960886	23282223	10317413	10852383		246
1203182	1542798	1538207	852090.6	1156575	843301.3		4
8493613	11368255	10070491	7129859	9661079	8641553		9
6122037	5088114	6282864	3847195	5404752	1887968	[1257][M]+	283
157940.3	1139383	936043.6	309885.3	208163.1	810025.3	[M+2H-CO]	5
555655	2659729	20493.12	314805.4	787210.6	360187.4	[M+2H-C6H6]	11
1622705	1972898	1671139	946990.2	1985296	1466282		4
1609476	2410466	3761427	1261899	1275889	322076.8		9
4546979	3867126	3896332	3896647	10855245	6464155		194
5.01E+08	6.3E+08	3.34E+08	4.38E+08	4.83E+08	8.57E+08	[M+H+NH3]	3
2114537	2809869	3026559	1568279	1970453	698295.7		9
3269505	3251463	3453664	4002917	4624270	7471971		2
707274.7	1322344	1285031	746597	1182430	988382.7	[1626][M+1]2+	2
73243.27	251491.9	300788.5	39051.5	391513.4	33485.75		18
3712315	3591471	3519190	3282947	3386762	5211690		180
279506.8	1239073	860882	292056.8	437195.1	696108.5	[188][M+3]2+	4
2886440	4148381	4071555	2020861	2970170	1561877	[367][M]3+	9
22590992	23533952	26395485	20239640	18794221	5917134		9
1.04E+08	1.05E+08	1.19E+08	89162793	94455133	65278043	[1109][M]+	76
1263062	847085.2	1223619	1364081	1965804	3354431		2
12841246	15372308	13071924	10104099	14682276	12869590	[M+H-C4H8]	13
4953789	3850529	4137785	6294657	4251792	3810557	[M+K]+ 314	264

354201.9	440701.2	476345.4	453113.4	298321	203613.6	[376][M+1]2+	4
12817852	7156334	7580067	7705466	7815527	10302442		432
987317.1	450844.4	578144	955192.2	679798.5	386442.8		4
2308857	2146869	3317322	2070157	2021574	0		9
5963576	4458589	4252769	3519733	3390440	585214		159
1060315	1029570	1217690	620863.1	318223.1	12449.77		129
4912088	4629712	4949761	3352614	4971295	5694989		432
25049681	16475217	21351483	20667855	20865212	4902095	[692][M]+	197
2724475	2213836	2802969	17087834	3916429	3036472	[1355][M+1]+	223
1610487	1427655	1518805	1190463	1494392	1976031	[544][M+1]2+	4
771987.2	26830513	7825057	569371	17642509	9558789		11
411741	625379.5	608446.3	296719.3	330310.5	33227.6		4
1890983	4510688	1425145	1724321	1832006	701572.3		1
9731210	6727584	5264309	11781919	8493734	2153518		9
18383688	33462089	24220958	35082448	17826967	17620798		59
508071.5	813606.6	12089999	370255.3	303863.5	345586.3		18
3003457	2910790	3424973	2969111	2915582	1674808		4
301780.8	282336.6	408441.3	177591	326642.4	324669.1		99
505054.4	1520945	1749805	265647.7	590347.1	858568.9		20
599783.2	680303.9	1176185	616045.1	724566.3	318539.6		4
1045795	663025	499133.7	517137.9	2261410	670866.4	[1381][M+1]+	334
12820287	16992845	22133906	10612589	12439451	3672753		9
3905776	4992328	4010690	3905343	4901565	3629691		9
2510841	5029383	1807011	597686	3405810	6753208		1
7527232	7578568	8208087	6484321	6701217	4283539		4
6084192	3529972	4626679	3120904	3131001	57506.19	[490][M]2+	280
1356230	7026650	2514357	27221719	2688959	4835514	[419][M+1]2+	2
6255800	10751326	7398852	4638880	8810166	15256518	[109][M]3+	9
5433379	7950731	6524989	4013958	4179524	6381708	[1336][M]+ [M+Na]+ 6'	12
1152927	2243531	2974367	882286.2	1251786	781147.8		9
1943833	710501.8	282707.4	548716.5	2325077	2854484	[2M+3Na+I	15
6950203	3822718	4208161	7458185	4380489	357453.2		2
5533938	6771820	6951450	3818353	5045109	4119124		4
55804671	52762044	39450759	49283917	44350259	1.14E+08		115
34422207	38557804	23776214	28319548	41907870	39244612	[352][M+2]3+	2

14086712	16006010	9995912	13842475	19122887	22239994		2
9283391	5840021	8198164	9497500	7890165	2569365		2
757323.2	0	536828.6	1315612	936978.8	502892.8		9
13007979	7175537	8687339	10319102	1371731	6494611		317
3669676	2480462	1929593	3540721	3095906	79243.38		9
2186274	7143296	9233484	1652612	3412677	6070740	[749][M]2+	9
2281573	1802441	2183505	1494608	1749360	325688.8		57
4221588	4111738	1746643	2698243	3478801	2710468	[M+H] <sup>+</sup> 53!	252
9312302	15726838	11253335	7742777	12052905	22437174	[655][M]2+	9
4769213	3318777	5402973	5285674	4685372	2794794	[1391][M] <sup>+</sup>	262
9961265	10141530	3246521	9901430	9822925	9767664	[M+H] <sup>+</sup> 25!	314
1179365	2136850	2560641	983718	1264654	2372195	[M+H-C2H <sub>4</sub> ] <sup>+</sup>	5
0	885364.4	254514.8	0	316076.6	491183.2		14
1030522	1228249	1562300	813930.2	1003987	507320.9		4
1719815	1414068	1177917	557449	1097022	47844.92		476
1072517	448472	1660639	979189.8	1082991	396271.1	[1530][M+3] <sup>+</sup>	33
2341923	5513458	4243519	1175170	3473808	6671682		9
5855068	5823336	7376899	4983805	4579491	7290806	[M+K] <sup>+</sup> 43!	314
44086471	7455508	2776203	34727500	9644920	29302027	[1363][M+1]2+	2
24112801	25098369	17072419	20474268	26316411	2271307	[805][M]3+	1
544460.8	547875.3	525932.8	185738	551151.7	491713.3	[922][M+1]3+	23
8463023	11351518	11373331	6234221	8827398	16578715	[980][M+1] <sup>+</sup>	81
288786.5	385661.1	979566.2	504550.9	645508.5	1294277	[M+Na+HC] <sup>+</sup>	62
1489477	746016	565122.7	1545653	605326.6	869758.7		492
957982.3	0	0	0	1540063	1003692		1
12581394	6120481	2250242	17407639	2999002	8116021	[M+H-C2H <sub>4</sub> ] <sup>+</sup>	6
515434.5	638667	552676	421933.1	494316.2	639558.1	[1098][M+1]2+	366
1351568	1355616	1513636	2182498	1285756	1064227	[3M+2Na]2	14
7788390	18452575	15551137	5235364	10921631	20755492		9
4474448	7330675	4406397	3460976	5984167	13009762		9
10323996	3738634	8872595	14737341	3887354	1643540		2
622609.5	1140715	729506.3	504020.1	805277.9	145274.7		4
346647.2	146083.4	407022.1	428505.5	209739.3	312823		94
896539.8	553971.6	1835006	1357867	148371.6	840796.5	[M+H] <sup>+</sup> 41!	6
47560310	63542508	49762081	22989755	19487027	91635616		20

4909385	1790360	1541083	409205.8	1572820	15848999		2
2028926	4484420	3573464	2209591	4346113	3623371	[M+K+HCO	13
164057.8	403949.6	512775	952621.3	395589	1158726	[62][M+1]+	23
2632278	3108441	1117330	2024484	2693038	2624750		29
4370338	3068539	4738808	15008632	7347737	4135143	[364][M+2]+	1
5067803	6801725	4756442	2681250	4936369	3038781		293
42364013	46928896	6259290	34034037	41831799	34819525	[797][M]+ [2M+K]+ 2C	15
21406183	29679021	22486506	23023134	30289926	70655.46	[M+H+HCC	28
1039325	9984448	5585085	3244390	27815524	17513582		1
8685197	1050336	4643255	8884162	1851594	1824218		2
1377730	1476281	1691986	1538538	1479197	45932.34	[876][M+2]+	4
2863411	4338501	4971097	2157927	2722790	1521624		9
619984.4	942387.6	1295880	199820.8	343498.3	142770.6	[M+H]+ 18:	14
1427125	1085593	1690824	1055211	1333443	380876.3	[974][M]+	245
45073422	47104138	38903189	36945697	49257393	52341351		2
8076930	3902538	11904348	10134747	3662329	4187338		297
3822904	6260638	7172932	2671786	4939766	2050588	[1337][M+3]+	139
880897.9	1995445	1185421	746316.4	1530392	2541340		9
732914.5	1167204	799078	451532.2	732278.6	365161	[3M+Na+K]	12
335326.7	318111.1	255429	92142.24	307790.3	461431.7		91
1776607	2195974	1379535	1411157	1827359	3417088		4
8269646	4094541	5656978	3435935	4742908	0		280
874658.4	117309	138230.1	565170.6	1352886	1546392	[1060][M+1]+	1
2622966	1652664	2136063	3567528	3357796	387237.8		2
1468061	1832541	363603	1413843	177241.3	908495.1		4
3833485	3946169	4025975	3848587	3986056	5069034		323
2086932	4647263	2899455	1590199	9960224	9417630	[M+2H-C6H	6
9015469	11192539	10676327	13795284	8616832	6947813		1
6413697	2281793	7189151	2709216	5549855	11971081	[M+Na+HC	314
12105438	1841172	12374399	9902664	5908115	5932605		2
16020194	18743529	14248782	12139915	18132659	17973511	[M+2H]2+	13
159096.2	446213.4	301889.6	204129.5	197816	264078.6	[M+H]+ 67:	35
348909.7	1448232	992507.7	81758.32	533552.9	2269586	[713][M+1]+	9
6004362	5951933	5599318	5446463	5359750	5547092		121
3429386	3297948	3050246	1793126	5164953	6234050		447



2.26E+08	2.45E+08	1.96E+08	1.51E+08	1.83E+08	3.24E+08		77
216994.7	812094.7	955208	84766.96	227890.4	317997.6	[187][M+1]2+	18
512370.9	151837.4	314112.8	274173.5	371278.9	0		91
8189708	1816755	7727512	2519332	9748577	6570815		2
3109653	8144591	1337683	2216906	4275858	18365112		3
2985409	2744488	2379774	1485206	2345303	1290385		4
1047283	1365826	1168150	725805.3	1075702	494286.5	[M+K]+ 289	8
60877279	70020880	63322776	48571383	54131638	73586648	[701][M+1]+	25
534372.9	988193.4	641219.3	871927.1	445177.3	653884.7	[1594][M+1]+	366
1276811	2500011	766900.3	225123.9	1838900	2528890		2
4977314	5547171	1065355	3800783	7034528	2901703	[3M+Na+K]	11
897357.8	1038021	1107663	434713.9	801934.4	751877.8		5
663322.8	1048768	804481.1	801924.6	607645.2	725209.3	[666][M+2]+	4
1514787	3639513	2863232	1493503	3088494	222660		2
1141316	2218635	1688268	771900.9	664002.7	3303527		4
835094.5	524592.4	730925.8	741273	840338.4	0		9
140370.7	979624.5	452312.7	107386	268839.2	341981		18
1998386	4033776	2737558	929923.1	4857856	978912.3	[M+H]+ 49	15
12495821	4282508	1961997	17322507	4648262	7349847	[M+Na]+ 8	6
229305.9	1126832	183214.7	299827.7	172238.1	165615.9		328
4259462	4739052	6534503	6714102	5193480	6485159		208
2988754	1453920	1077941	1742689	2940469	0		1
11662894	15448201	22190653	10507435	9949947	2608051		9
1086658	1343534	1347368	1434220	1554101	195392.5	[1360][M+2]+	2
2049546	1077155	3129926	2572885	5094384	2804207		9
596712	459439.1	1084464	690999	896224.3	175162.7		47
319544.5	445272.4	380897	370407.4	292165.3	508841.6	[M+Na]+ 5	44
5058663	6496578	5676180	3804877	5084705	6885274		4
16211982	26179404	17396644	13049833	22133603	36702839		9
1659489	1696340	1693522	1377430	1407753	878747.4	[192][M+1]+	4
6809973	6974646	5682455	7492415	7339095	2161793		2
152875	1611217	2764961	1829031	2418363	2890401		14
397776.3	715901.9	734115.3	2615852	306037.4	172351	[1437][M+1]+	41
2639995	3579781	3208068	1561306	3492674	2596131		2
14615686	18270411	26462511	12646645	12761570	4383731	[152][M]2+	9

1576746	3904256	3450768	879312.5	1846042	4244905	9	
643964	1407883	1048616	609849.5	1146477	1029297	13	
2879436	3053494	2209775	3941603	37492881	42804646	2	
6708925	6221479	5777572	5699279	6413418	4272919	2	
7694390	9746800	5105983	4630713	7053458	14518143	4	
2547561	2233275	2504661	2809402	2601987	906572.9	9	
406943.3	788688.6	735656.8	341272.2	611711.7	1046416	4	
28151242	38537915	40398771	35008019	34415061	21104264	276	
2961245	3150306	2594459	3885046	5056525	3211824	325	
2435140	1824183	2036770	1770474	1727848	2890182	2	
2663500	2620875	2680304	2543495	2569132	2545649	308	
5840898	3239707	3384866	4952429	1260985	2603122	105	
7647220	3890100	6146818	3655987	4509583	865826.5	[966][M]+	280
510216.6	325547.6	565734	515438.7	393517.3	209921	[1547][M+1]+	169
974639.2	918823.2	438440.3	379637.7	1114078	2077219	[1517][M]+	4
1624226	4252063	4176049	1156198	2206355	2488820		9
163769.2	354416	319091.2	259768.8	290934.2	195613.7		371
5706513	6216578	948927.1	3702171	1236109	9416061		1
23411628	16455267	25482186	49796483	25300048	13404403	[901][M]+	153
2127292	3932332	5924225	2173493	2277951	1431858		9
310675.9	375286.8	125907.6	365588.4	153886.1	91467.27		513
119273.3	191732.7	160006.8	73420.27	198305.9	112384.2	[1492][M+1]+	504
284651.8	391757.8	362737.7	503420.4	297627.1	202745.4		48
25561753	33913873	2593075	24099160	25138769	55804433	[915][M]+ [3M+K]+ 1!	21
2560133	2176559	1979240	2496663	3264461	3824209		2
503618.7	194605.6	371497.7	367790.9	289533.2	102225		292
1311486	1020120	1126782	1267048	1004090	408709.6		4
3958456	4444602	3650379	4908834	6287087	4572064		2
1707296	1185728	1044287	1900571	1847848	1747284		4
2087237	1427739	1293369	930240.1	1047870	550333.2	[822][M+1]+	83
978996.4	1306286	1263001	877555.8	766812.1	3045466		9
2682618	2220083	2576444	1522332	4659192	3046974		2
1746340	1841730	1453939	1251703	1590274	650013.3	[851][M+4]2+	4
5567412	13134188	21759642	16342400	8194453	4455138		261
1764270	3248097	2376291	1738348	14665749	3363208		84

610081.5	966153.7	814372.2	646348.1	0	964825.8		9
1079808	21272710	32368786	26664720	997000.5	22333487		1
752102.4	460569.5	303210.2	559104.2	236215.3	3037980	[M+H+NH3	33
529472.9	721965.8	891692.6	500568.8	311323.7	72657.72		4
162499.8	183490.3	210073	274478.2	354278	158906.9		240
6267295	4288226	5509723	4574919	3527012	0		2
3808457	4372507	899145.1	5183972	1690441	13902964	[313][M]+ [M+Na]+ 2!	304
3716913	3128344	3442042	3040466	2639651	1047439	[3M+H+Na	38
1639967	3847632	2914183	764673.4	2386157	4200426		9
8617098	9577200	8276176	7361687	8886480	14027387		387
1042592	1214815	425368.9	1275816	598482.9	2864732	[M+K]+ 25!	81
4004578	15581673	3893253	26591830	33793669	12032015	[3M+Na+K]	15
3920424	3673326	4968080	3334016	3850314	3216550		191
14161262	3329324	8511473	10654048	16265811	3518986		1
904135.4	3928922	3865662	4405593	4286376	3709211		386
58754954	51435765	20437978	49006463	15139793	45954668	[498][M]+	146
62561865	32030137	9408610	59695112	13088134	93825089	[125][M]+ [M+Na]+ 2!	38
914114	1331254	806857.9	476568.6	1836421	2106507	[2M+2K-H]	21
2047501	2236939	2226696	1790530	2034706	1486101		4
12521024	6462258	10974631	5082133	6464445	19009.25		280
734304	155471	589603.3	778578.8	1500470	507445.9		9
713899.9	826641.6	504331.2	534966	246934.6	1136356		4
318032.4	1535762	893909.1	269519.7	533475.7	876635.9		9
734039.4	795614.4	1529587	941801.8	684744.5	172784.6		8
2727299	3348540	2166301	1938808	3222861	5547573		9
1465807	3001127	3308434	881393.1	1594502	2091862	[413][M+1]2+	9
26762.96	405077.3	1054457	73232.83	231599.5	413358.5	[452][M+2]3+	18
1019597	0	1258226	1109359	710574.2	2349023		9
407869.8	464793.8	868974.3	492457.1	632664.7	397305.4	[M+H+CF3O	23
1865335	1823478	1751162	1268750	1558300	1258672	[589][M+1]+	4
963598.6	1166741	1164667	564627	1212270	1091338	[M+Na]+ 5!	42
964593.4	1408620	663548.1	1501901	1845478	509005.4		4
916447.5	1598430	3577224	1361683	1847436	2629949		15
4595158	5329528	2837565	4373583	5022537	6085009		22
3070768	4169059	2734108	2527703	4261094	3762090		13

1407114	2024771	1591108	1077606	1374425	2315925	[1139][M+1]2+	2
82481480	1.16E+08	69941555	55335542	57417938	67421924	[958][M]+ [M+H+NH3	101
434698.3	434428.7	532634	303996	325187.7	188828.2		57
2938827	3406323	4041133	3286585	3391374	226212.4		1
11310771	2706144	779103.8	7904774	13143812	5298478		1
945005.3	1508351	1426065	771311.1	1168470	543429.2		9
3873997	5168065	5357201	5102585	5416082	6156961	[M+H-CH4]	339
21925736	23768232	4300932	24639223	9812520	6904967		90
534051.3	514368	799560.9	559103.6	404714.6	0		4
3200158	4026329	3151588	2227794	2518272	4708493		4
942779	786642.4	476116.1	709668	684613.4	1052351		91
1863017	3278896	3798847	1375026	2114857	964869.3		9
1195046	1169456	11733.42	1163784	1438616	1363692		19
3630871	3796291	7407359	8058566	4514465	1156010		427
1062748	8194011	13013945	23052774	28200882	4241233	[21][M+1]3+	15
1644992	1752932	166782.1	388684.9	1221252	5943162		1
1028191	1941555	1615439	1231085	887863	820086.1	[1032][M+1]+	12
1000527	3170676	3181019	923306.7	1984331	3389745		9
1182055	2062583	1537632	989749.2	1469623	4010957	[116][M+1]+	51
1867493	1.28E+08	38179879	37377525	4899176	11025197		11
2963846	307670.4	531952.9	2472180	717706	5225153		5
584644.4	75470.14	847767.3	820608	1091645	553407.2		9
1960299	0	1488404	2074451	1556650	180932.9	[M+K]+ 14f	13
5540526	9754850	7465179	5567967	6668650	6949977		1
1181914	2146223	2714513	849867.5	969017.4	792806.9		9
87051022	93837399	81445958	78621312	70601602	87675588		2
67216903	89669079	39894807	45349410	36517362	50613391	[M+K+NH3	101
15999011	18676965	19117473	12837915	14081374	11838255		4
478855.8	148026.8	289175.5	226248.4	281670.5	0	[1409][M+2]+	109
657039.1	2037788	3268394	668457	1222393	769527		9
952173.9	565059.6	603863.8	990089.5	296892.5	944914.3		9
1703301	2808705	3916261	1681376	1922765	0		9
447431.6	721931.7	876870.4	476307.1	398405.3	114408.2		4
599052.5	1889317	2209429	638022.6	854489.6	1313736		9
18135086	19615426	18111810	11540973	15281928	13204921		4

4423027	2830084	4923839	6273358	3104727	3571862		206
57502.4	353613.7	104619.7	0	339728.1	134998	[M+H] <sup>+</sup> 280	39
28193751	2397961	18729474	22471963	25159604	16532904	[87][M] <sup>2+</sup>	1
5995394	10367438	7081111	4736905	8572693	14687090		9
323575.7	258037.6	288179.9	291701	153797.8	532130.2	[M+H-CO <sub>2</sub> ]	42
4979099	1654922	564214	974129.5	5465883	5627814		1
1321668	1068246	1519985	1745866	828227.4	675307.4	[362][M+1] <sup>+</sup>	166
4761907	3780848	1351947	6295544	2925658	8113224	[M+Na+Na]	6
1064297	274886.2	2720803	1996526	1013856	1007393	[674][M+1] <sup>2+</sup>	302
1003381	1476414	1011415	726754.8	1066482	2093129	[890][M+2] <sup>+</sup>	4
3753651	3755418	2440708	1472763	2861380	7926672		2
470802.1	565076	90932.46	608756.8	621315.6	1532791		81
305052	655969	859021.5	1018087	107826.4	788564.8		130
901067	1159199	1745692	618843.1	672752.1	137398.5	[225][M+1] <sup>+</sup>	9
15104210	19425801	13626639	13330965	18129756	15663787		2
3051559	5479842	8773924	2438123	8344634	2833771		1
5158789	6907128	9134006	4056241	5008924	1279327		9
4471980	7287133	4353908	3396700	5668283	12936484		9
559230.9	1085233	908828.5	362734.4	517466.5	651315		9
997345.9	898090.7	1924693	743654.6	2147152	5281248		2
7570451	10126832	5471292	4594256	8271120	14539215		4
802631.7	1778836	586143.6	571891.1	371562.2	593225.9		4
2155126	2082698	2467508	2939375	2442400	810461.2	[M+3K-H] <sup>2</sup>	13
592830.2	515521.8	423836.2	676092.4	532880	753934	[1145][M+3] <sup>+</sup>	23
865909.5	1454139	523548.2	547238.7	383507.9	544145.3		4
1827170	4804211	5174324	1524290	2513165	4878396		9
11151928	7717635	16004786	49006238	12626486	9207844	[1355][M] <sup>+</sup>	223
7551153	10801394	14705719	6611504	8695023	2868282		9
376468.9	521313.9	740815	639331.2	97747.5	677206.4		492
1814853	1614382	1600338	1580051	1288317	1171019	[1432][M+1] <sup>+</sup>	64
71635259	79974353	58912981	69906379	92611013	1.01E+08		2
2721498	2942181	1549920	2096204	1514119	1882422		125
1184346	701979.7	417796.3	416663.5	1037856	0		112
387537.5	2051636	1420214	892424.6	576141.6	729835		4
1237444	3749795	3031905	4451512	2091007	1290445		1

623864	1083997	387886.8	482256.9	740725.7	621522.3		4
757031.6	759099.9	410744.9	551385.2	640972.2	420409.5	[1104][M+2]+	227
4828097	7776440	5761691	3724411	4727210	3906499		272
70548752	64591430	93076617	67844690	57374056	46373530	[611][M+1]+	16
593934.3	1132391	691445.1	370696.8	798715.1	795997.1	[1051][M]3 [2M+Na+2I	16
603046.5	1707643	1444635	468589.1	1015901	2004633	[166][M+1]2+	9
247915.1	299395.9	458453.1	207755.3	227796.4	138763.8	[1257][M+2]+	283
1125695	1726654	1250148	597570.7	1654236	1347909	[M+H]+ 23:	13
39656182	55820775	73867747	34615356	37821916	13233078		9
725477.8	1254940	1777409	1232136	1369245	1503687		51
6742160	4409974	3011671	1624459	13220130	12246674		11
33608803	45166945	18402708	22453801	18784473	26490085	[722][M]+ [M+K]+ 38:	101
2359804	3029627	2942108	3252931	3235127	3211821		344
1407818	1543435	1522811	1017944	949222.2	506285.6		4
3716812	4127549	4516163	2426513	3411972	546975.8		9
1514050	1050526	470921.6	2639848	2556272	1103202		9
1511935	660827	1528920	1960629	2022094	739906.1		136
21931536	25578279	22185328	20952840	18049457	33271384		188
15204985	6061655	12566589	5062057	8637643	28335.1	[371][M+1]2+	115
6320157	11503276	11678627	6224865	7654250	9540876		9
2776321	1563858	3388989	3010503	3351975	4108184		13
458821.9	1143158	409147.5	220035.4	553550.1	1300404		91
71362927	79898364	52526721	69669042	92331723	1.01E+08		2
3136914	4095468	5799966	2795474	3086409	991513.2		9
1507610	1162015	3746925	3217245	1512138	4928289		2
541312.1	1360092	961627.3	353382.2	789408.5	1592486	[M+H]+ 27:	8
365555.2	368789.5	358325.4	411684.5	261424.9	163205		48
522539.7	550742.1	1062701	263227.7	519950.3	0		9
1007448	1293167	1308084	1087594	1022900	362738.1		9
1506459	934152.9	1259670	1056806	991225.4	142796.3	[464][M+1]2+	210
1004764	1814735	1221487	1618514	2837299	2436848	[347][M+1]2+	2
4237876	2658582	3794966	2913239	2447229	184120	[464][M]2+	210
4662558	2878948	529379	2385550	6267021	6559974	[M+H]+ 38:	21
7948573	2854464	5763749	3530139	3411831	10569487	[352][M+1]3+	2
4012326	2841458	3507731	4401081	3490305	2331135	[1056][M+1]+	230

709389.8	750223.1	905818.1	580551.5	578668.3	542042.7	[1544][M+1]+	40
937356	1371164	1245030	661924.7	622351.1	309759.8		4
453097.3	1111936	818678.9	467444.9	918507.2	1163573		4
108197.5	122174.7	266548.3	178232.4	175325.9	113272		277
2158846	1904065	2808430	2971459	2148448	2788162	[1150][M+2]+	2
601553.2	743328.2	867854.6	401198.3	677047.3	1758565	[3M+Na+2I	62
4869056	6265528	6200487	4603383	6203831	5736892		253
44270847	51638638	50502201	54005461	39242252	33960221	[316][M]+	48
4107087	4701503	6941259	3241898	3160139	573051.9		9
450983.5	583432.2	291380.8	411179.9	158560	447699.5		87
9600076	9821006	6241199	7986705	10237990	8308832		4
16101233	25694556	17555787	12799226	21922616	36365070	[107][M]+	9
4384590	2824794	4879329	5942672	2794269	2451029	[1564][M]+	329
566117.4	701205.6	777829.5	680431	617736.5	432050.1	[1507][M+1]+	99
2873085	2716678	3135821	1204027	2771715	2504425		236
53942970	86470818	38459280	41372249	49138734	1.41E+08	[M+H]+ 39	3
622609.4	750830.3	594064.3	426111	501978	209292.1		4
318824.2	178592.3	563102.1	387635.1	379420.7	174331	[361][M+1]2+	23
1160058	1004161	585388.1	912890.7	1061314	437780.3		4
1372384	1786006	1065570	1256643	1297992	714060.7		119
576388.9	359624.3	1074277	282950.9	876774.5	430719	[265][M+1]2+	23
10926914	26231000	383750.3	160434.6	91352.07	115125.3	[M+H]+ 48	16
2905257	2875465	3709174	2736290	2417166	0		9
1234825	799739	121657.1	1013890	1045728	0		9
3035212	2433505	4363157	3346304	2337374	385449.3	[1535][M+1]+	38
2438802	3716368	2372599	2451004	3601450	2795784		13
1370543	1427654	1072762	1195932	1268576	696913.6	[1394][M+2]+	232
441153.7	1015619	1355141	121419.8	603782.3	976436.1	[240][M+3]3+	9
795817.9	470744.5	1482512	10909157	2511596	425971.9	[392][M+2]2+	2
2664668	2533399	2935204	2624170	2587984	1430578	[51][M+3]+	4
8722411	23637919	9826113	12431861	19314071	33226930		2
3117215	1699967	2617799	1169085	1994716	2936899		9
16492285	47448555	20642386	10933094	23819962	55932861		1
3192180	2947318	4686541	8079221	2904615	1355075		2
1768874	3995549	5775081	2145906	1843898	1306350		9

12151057	4735583	10237275	4338141	7250219	25515.89		115
400873.1	659948.1	667537.3	451136.9	674140.9	550492.5		4
6469016	6022121	6248188	6009788	5274828	3507725	[1032][M]+ [M+H-C6H:	12
3451207	4741484	4079596	2625681	3225292	2730695		9
5624984	5860582	4974945	5330388	3759574	2598294		2
220764.1	702878.4	620350.8	410208.6	336575	359969.6		4
2408983	4047100	3758240	3161995	3864630	3581527		191
1422242	3718307	1179579	2444805	1584976	3860253		2
699049.9	695284.7	1180981	736251.7	1705489	1013947	[133][M+2]+	4
1913653	993881.1	1130780	856581.6	1064682	8097647		9
1453970	1575170	1562662	1423435	1398151	1031820	[592][M+2]2+	4
12730954	17067224	22454432	10676885	12577409	3650289		9
3158070	2683859	2715319	4375095	1454048	2134933	[140][M+1]+	168
239815.9	401670.3	65843.5	217157.3	333237.2	667289.4	[M+2Na]2+	12
5569964	5515004	5662742	5124894	6533714	5239793		293
28011451	18846706	24112275	28714822	22406470	11832113		2
4600037	4020547	2740490	3405081	2343277	3381465		96
752633.7	502170.1	1054349	667624.1	455426.3	304381.9	[1508][M+1]+	69
1334814	2158181	1599211	1128420	1670111	1517259		2
2337643	138630.1	1860779	2735579	1903407	0	[M+2H-C6t	13
371743.7	403264.6	438295.5	716609	329566.1	378580.5	[1561][M+1]+	123
1542261	545220.4	400929.7	297612.7	2842811	686879.6	[1172][M+1]+	327
958294.2	754980.7	496876.9	165954.5	1464008	266568.9	[3M+2H]2+	41
6044367	1138417	5413550	3613624	5396465	3820634		339
4535677	1440131	2996525	4670127	1978889	336806.2		2
172093.9	1307071	1998815	525013.8	883582	914275.1		1
543999.8	558562.4	397967.8	265617.7	478689.6	731342.2		4
554633.5	1011004	1514151	575621.7	642917.9	947743.3		9
6881167	6978107	7275408	6701484	6748384	6637557		455
209858.6	324195.1	116455.9	0	532947.4	1723982		38
968010.4	1490939	1818146	587531	1063703	628221.7	[M+K]+ 31f	15
3393904	1972952	33672.11	5848025	1075114	7374994		6
2265802	8448109	271585.8	2357672	5579142	4040342	[M+Na]+ 4f	5
817419	1798908	1655719	316396.3	915938.7	1706926		9
508744.6	1789159	386642.7	273136.3	832490.8	2978617		9



2477947	2962833	4890428	1672225	1845146	1262847	[985][M+1]+	7
2007979	7100907	2929741	1538279	4515903	3140284	[1414][M]+ [M+Na]+ 7	35
551390.4	522699.8	628832	861203.1	356765.2	261180.1	[1345][M+1]+	48
5692345	7572869	3189750	2806411	6590689	3430285		1
1679906	2903136	1840857	1442457	1772594	1804967		9
2301191	2481172	2569846	2421836	2566849	2469528		375
10701605	10833931	7529735	7601299	10672569	9611757		4
7601445	3895386	5950359	9344546	7067632	5656208	[M+H]+ 45	264
1828926	2460030	1650764	979608.6	1459020	2022223		4
3723465	5280270	4390129	3099517	4418291	3495319		9
2538724	3273760	4261334	1980236	2192721	420146.9		9
564035.8	860220.5	533701.9	366047.8	988312.5	1410904		8
13129477	11974872	6802241	19054600	8206596	3466274		1
6936491	6530203	6417097	4929912	5964664	3197815	[1249][M+1]+	91
38267984	52418548	19211256	26805952	22035878	35099146	[266][M]+	149
5821854	6039174	7322927	4960699	5816943	5335810		316
2182172	2630564	2967406	1678196	2056106	688386		9
406598.9	327029.9	358039.1	363854.9	370333.1	187748.1		452
5860389	6821128	8740960	7721236	8122369	4707773	[1077][M+1]+	13
4125500	2110392	7055977	9007891	1096078	1212212		1
18729795	18738399	15265851	14948321	21693315	21391651	[47][M+2]3+	2
2800361	6006099	6089609	16236696	12703601	6065813		2
403773.7	1029647	1818301	474851.5	632099.7	603264.8		9
1462550	1424133	1951433	1428185	2376933	2593375		2
1399839	1642695	1125894	1843717	1877651	1025892		196
1855875	3847635	2685332	1172177	2492117	4827747		9
734866.5	770182.9	645649.5	1272377	722032.3	0		46
1475882	2857972	2870458	1240528	1722037	1864626		9
4155531	4695362	4144240	4425004	4295732	4050660		367
1.86E+08	1.86E+08	1.6E+08	1.63E+08	2.08E+08	2.15E+08	[398][M]2+	2
10221280	13193460	18064499	7710390	20396140	13157225	[793][M+1]3+	1
3250578	3680971	1779404	5611967	3710686	3366970		241
2056474	4103636	2187511	1518470	3261885	6646078		9
6369103	6647831	6801190	5680559	5636453	3830653	[808][M]2+	33
276781.8	509629.2	595011.3	127929.6	1053155	464969.6	[M+Na]+ 3	20

2198938	1538088	1587733	831227.5	1294309	160070.7	[1428][M]2+	286
4653475	3177465	1240350	3864576	6853606	10307632	[1369][M+2]+	2
634045.7	1365515	289144.3	388045.1	335352.7	451485.6	[149][M+1]+	260
191827	174609.8	252505.2	155128.3	189517.4	191731.3	[1021][M+1]+	214
280192.6	237970.3	348416.9	408457.4	180451.9	261409.7	[1446][M]2+	42
4521983	5370889	1056507	3017158	7681730	4739990	[M+H-C6H8]	11
5601241	4427397	5633943	6004518	6955101	2694745		2
42418148	44612890	50680672	28595372	31787500	25049210	[167][M]3+ [2M+3H]3+	18
14469365	4704973	15130751	13396612	3341753	23286741	[1166][M]+	2
14229633	17938587	7163575	12894032	19230386	25730367		2
815765	1451919	1132360	633830.3	977947.8	1961882		4
2462674	5406413	4475353	1529615	2959297	2905852		9
4192750	4467220	4749124	5232518	4980585	4093636		420
43558757	54544711	26895728	41580419	43486774	42348529		1
2366704	0	2960202	2064282	2247442	239307		2
1195225	535049.1	1185467	1155129	1306985	242181.3	[992][M+1]2+	58
1331273	2650868	1662698	631432.6	1318845	2588260		4
1599779	1750226	1627326	1305407	1488385	955983.3		4
7111062	3637262	4728850	4786504	5522574	6777612		208
7844365	6323503	6304897	7078718	9809179	7086599		2
2475889	1999839	2923841	3351280	1245543	196803.4		97
641960.7	578484.7	982489.4	769448.5	766116.3	425467.5		4
1608451	591903.9	885031.3	2481707	1195233	0		9
388031.8	1444955	2541925	304618.8	396775.1	286467.9	[M+Na+NH]	41
4439498	6350923	14263512	3224937	3701705	2263218		9
9975331	6441444	7942059	10456881	8656632	2634070		2
5345927	9421019	887759.9	3135093	4644740	7724834		407
561382	333846.4	457039.2	366202.1	302388.5	46192.83		210
5235456	5906740	4039805	5487948	6739875	12374073		2
9032498	6563053	4502695	5543147	6964501	10433531		294
913193.6	1100295	1213417	841972.3	664205.1	524949.3	[1113][M+2]+	35
7764559	10976783	10630341	6348733	7919030	5789949		9
3854278	3029155	4478407	2362250	5330249	4021508		4
379531.4	233377.1	441800.6	297700.9	178543.4	0		205
8477983	11772225	10031087	6623081	9024939	12134880		4

1216942	821538.5	649276.2	1036732	974666.8	1083620		9
656530.7	2440659	1189775	232426.3	1669649	5966336		2
6393610	21315983	65524153	11069262	16019495	25439973	[69][M]+	1
654231.7	1643979	760542.8	312252.2	768686.7	3151395	[M+H+HCC	11
2902057	5691540	2870244	1253599	4658320	3242404		2
1125758	878397	674022.8	424874	722049.2	0		280
5312814	4816607	5361311	5011133	4988266	7332462		321
6139221	5976904	10722959	4832964	8611462	16510587		78
2245457	1788735	1214400	2297009	3065596	4389955		2
2761619	2745257	2433176	2724888	881667.7	1838350		2
1285818	1210736	1567276	1044730	895687.7	258642.7	[226][M]2+ [M+2H]2+ !	16
1681628	885771	482464.5	7049633	782767.7	8038572	[182][M]+	102
3223649	3834041	3815057	2720666	2902150	2290152		4
3419616	2975218	2872906	2667210	3655913	2329677		4
266683.3	580070	463121	962402	889396.3	773528.8	[2M+2Na+I	20
634210.9	543808.3	413448.9	595955.5	293628.7	578502.7	[M+H]+ 36I	20
338492.5	507091.3	757310.1	399237.9	312632	422384.9		4
283114.8	549972.6	348317.1	414614.8	279515.4	720834.9	[3M+3Na+I	23
441129.4	199487.3	467053.2	467332	1381407	219289.4		455
9507777	10502571	10006058	13966190	11025522	7571340		2
2337653	1584128	2475934	890153.9	3794766	4763531	[427][M+3]2+	2
0	132212.5	410014.7	314876.7	110031.3	187577.8		18
1988571	1902264	1493758	1207667	1177606	587724.5		4
2084666	4750630	21585184	2023628	2446441	2711252	[632][M]+ [M+H-CH4]	18
94015936	1394843	73065018	93130761	1898136	40084169	[94][M]+	3
451656.4	721921.6	533368.4	222599.3	589489.3	564329.8	[M+Na]+ 5I	8
33508791	45112186	36013385	23198781	31581472	35256841		4
462681.9	592069	712224.6	282184.4	615733.2	688687.2	[M+2H-CO(	62
4381921	10613967	10417391	2898724	5872160	7018994		9
303925.3	520186.7	516874.2	378701.6	416589.8	119570.3		4
818482.5	855256.2	3566593	2770715	3704705	1320963	[M+H-CH3]	5
16152296	11252418	9572205	13745185	8214358	10177089	[229][M+1]+	108
5010186	2241629	4624567	4798206	2363386	997010.9	[1258][M+4]+	2
958865.3	974356.1	1491285	1113790	1028277	407098.8		4
61936376	87776993	1.11E+08	51056106	61220201	26572233		9

3290361	4349035	3360307	2421700	3375676	5598299		4
942222.6	1543706	872294.7	527691.1	1153123	2184838		9
6856766	7391254	1594614	4560397	7135941	8565847		9
1.38E+08	1.38E+08	1.22E+08	1.27E+08	1.32E+08	1.25E+08	[1216][M]+	2
543101.1	625282.9	655051.8	446552.7	367532.6	98690.76	[1066][M]3+	16
6381762	2931956	5953624	3838113	5106075	1718335	[564][M]3+	343
2321801	1676637	3366432	3211295	1712028	1212376	[447][M+1]+	160
687604.1	1477038	2850375	563679.8	751171.5	883670.8		9
402349.5	471799.2	701360.9	456114.5	163319	480595.9		28
4403674	487312.8	1219482	3702236	3602728	4200286		9
12631094	27799444	16468557	7185103	9520446	76558328		128
1474062	2371310	3346488	862935	1579613	0		1
655898.5	842851.3	35678.86	733960.9	134479.4	1421761		52
4689378	3295078	2840270	2461013	5494105	7152201	[M+Na]+ 40	97
3871620	5326245	4048102	2401786	4231821	6756018	[130][M]+	4
996143.8	432554.1	1125945	709639.6	530136	166300.8	[595][M+1]2+	23
1073241	1480919	1694314	1172536	1591137	1333430	[M+K]+ 200	14
4471920	4552972	2942792	2789172	4472867	21141556		9
4767265	6021104	1374251	2013507	2116767	19045714	[2M+H+Na	3
673313	539345.1	639189.1	336669.7	598293.5	130579.7		91
154506.2	30067.93	287883.5	273923.1	315381.4	0	[1504][M]3+	166
4429547	2350839	3380412	4572949	3790720	1687972	[M+3H-CH:	8
1660587	1074719	1638626	2038507	975202.9	833719.1	[1554][M]+ [M+H+NH3	497
973995.5	1147880	387014.1	298480.8	1062296	2427460	[M+2Na]2+	58
6.06E+08	8.73E+08	5.72E+08	5.98E+08	5.59E+08	9.43E+08	[855][M+2]+	3
2212857	2237581	2103368	2231205	2027872	3199133		253
1556377	2959530	1865467	1131538	1935529	4499695	[653][M+1]2+	9
20901887	3224496	19614473	16162715	3953963	12168528	[543][M]2+	2
929314.3	2358396	673233.1	866897.5	695673	1226959		9
8011410	6467944	4599444	7763468	7349437	10342592	[M+Na]+ 50	11
2126104	2700801	1325880	1456520	2559319	2298681		9
2147443	1198373	2999840	1323149	2389060	991044.6		1
873148.4	2445588	1758162	700807.5	1356872	1202653	[M+H]+ 73:	13
1827412	2775304	2752940	2305867	2382940	2121681		4
985204.5	1657778	289949.2	2083452	4834140	2599918	[M+H+NH3	11

1156443	857290.8	1218758	1363001	760049	315538.3	[1227][M+2]+	185
286025.5	911552	190543.2	164384.3	763423.5	797121.2	[479][M+1]2+	4
8388877	3127538	3152187	3175001	11216486	2634894		386
2459083	1542410	2212019	1991815	2241872	5066048	[472][M+1]2+	2
1718958	2414910	2103048	446658.5	2732420	4427541	[1127][M]2 [M+H+Na]2	38
452568.4	1384617	733307.1	401548.2	788082.5	2696247	[3M+Na]+	46
604262.1	1693313	1645244	431474.5	805106.3	1132152		9
377060.4	730552.1	210836.5	303432.9	465402.6	1902171		52
1087916	1145721	1220032	983874.9	1001396	347061		4
280184.1	699078.1	1283542	615407.2	124937.1	629307.7		4
69422.76	118513.1	96695.77	45047.24	115896.5	125175		240
2072305	2298896	2634352	1551639	1942935	548861.6		9
970248.9	183382.3	1089977	1143487	611131.6	252214.5	[M+K]+ 37%	38
1402671	3310743	1829218	1127114	2182895	5501277		4
1118272	1956660	1359869	1419145	2357143	1567130		9
4151737	4294964	6264890	3406825	3099074	427203.5		9
6076397	6830811	5026721	7480937	5590317	2990198	[183][M+1]3+	13
19489480	24592299	24863045	16018633	16606030	13546839	[1307][M]+	4
19238680	28271544	49736888	10615192	24279097	20364603		315
600962.2	4346035	1735975	622224.1	11912058	8345241		3
10693235	346837.8	11659026	7356590	650945.4	9588744	[M+H-CO2]	6
1.18E+09	1.39E+09	1.6E+09	1.12E+09	1.14E+09	8.15E+08	[610][M+1]+	9
4816500	5266521	5572038	3939127	4266595	2747192	[1109][M+2]+	76
1432166	2907631	2958936	845532.6	1478273	2410840		9
5280021	1017138	75482.1	2751329	2187968	3301515		41
17711210	29472124	22810104	14271736	23712532	46598226	[116][M]+ [M+Na]+ 2%	51
6323942	6520670	5124285	6630506	3851369	12820948		62
364230.8	526489.5	418445.6	390352.7	365891.4	454395.2	[M+H+CF3O]	33
2623375	2149235	2922136	1933878	1368244	1273432		9
329985.8	1406230	16527638	6246474	1312981	3255146		9
92341361	70929811	73741068	84621850	67058252	28954219		2
1358045	636300.5	563273.5	598547.6	497334.8	2581235	[M+Na]+ 2%	159
350365	1702402	1462634	100079	816750.3	1978362		9
3620709	3047354	3397635	3606053	2721214	4918789		2
8775783	8271783	6116248	6957996	8236722	8015187	[M+H]+ 32%	264

12397822	17677498	7627769	9931417	11540134	26072357		13
1481473	5311986	4661873	4557729	4903345	4586028		191
1101448	3759387	1460788	12862702	652157.3	9890006		1
4491380	5453295	4521847	4543041	6307583	9527569		2
2710270	977510.8	1174413	2403250	2016531	1456206		2
161106.8	145357	201390.3	131834.7	192313.6	0		286
2263754	2863014	2186570	1090050	2047174	2713693		2
18671359	33093551	25182422	17404929	21608808	25544362		1
1130293	1227288	2377730	1782302	291489.3	3789107		9
3445877	4885579	1828613	4054933	7808700	3749170		84
236443.3	223714.8	345844.5	221520.9	577362	499288.6	[1343][M]2+	39
525123.5	704004.9	588426.2	690177.6	657539.4	293813.9	[597][M+1]+	280
957728.8	1592608	2151579	80122.43	788992.3	0		1
8106478	8979852	10241013	5181117	7147764	919224.6		9
1397104	523937.7	0	619914.1	702731	1335542		41
1458199	482191.1	1913959	1343454	1028491	1066740		4
7851813	12181875	6956801	5242943	13153125	16398318	[379][M+2]2+	2
5227341	6229807	6005165	11020179	651494.5	4496624		373
1339689	2000266	1017298	866313	716677.3	1180068	[1013][M+1]+	101
1601821	1315465	1423220	1485121	1262254	1059257	[823][M]+	210
6041868	2188800	5039932	6906602	2744070	5861306	[1250][M+4]+	2
596402.8	1086484	1021868	821893.3	711977.9	393506.6		4
12708322	28392882	2218405	11662053	10204422	1.29E+08	[M+K]+ 39%	11
1470348	2026323	1896879	1229949	1575987	1200925		9
8383306	12215937	6858124	5569429	11426047	15390692	[1035][M+1]+	84
2090355	3475979	3135598	1190625	2292992	2071550		9
8091431	9486884	6891240	7405573	6285604	10427386	[1397][M+1]+	2
2486690	2143938	2892011	1986399	2576246	2305490		11
4795019	3782766	3230921	3609846	1051699	2130356		15
763857.5	1108078	466411.3	546596.8	821030.6	1043114	[M+K]+ 30%	8
3345468	3799484	2019825	3080512	1734593	6980434		2
871685.8	1794586	962442.1	988290.5	1062854	1765892		9
785909.2	1127953	762093.3	602176.8	734422.4	379903.6	[2M+Na+2I	8
1632877	6039796	3042277	1058158	294450.6	17414817	[M+H+NH3	3
3112851	2150938	2658882	623503.1	2329525	10060.48		182

355332.7	594178.3	682352.5	630756.1	255964.6	372757.7		23
1243421	5483516	1241061	13907038	6467820	8151728	[M+K]+ 34:	11
1253491	1572328	1486267	700334.5	1294123	843765.4		4
1646994	2830428	3295751	559867.3	1121140	993486		4
7380035	5123744	5600210	8890928	3203402	2103283	[M+H]+ 45:	93
2880024	4656910	3124987	1927844	3864956	7659805		9
69417154	1.01E+08	62627303	45951736	50604918	59362179	[1043][M]+ [M+H+NH3	101
1062132	1808751	1166949	795698	1147714	718808.5	[M+H]+ 31:	81
263801	245628.8	268748.3	241311.6	77974.62	302176.3	[M+K]+ 35:	351
426404.3	456434.3	452590.6	374860.2	382729.9	297612.1	[M+H-H2O]	42
755159.6	400534.8	340237	379565.4	498191.4	126308.8	[M+K]+ 36:	20
949141.1	1622247	2238003	1123353	1526045	831141.5	[M+Na]+ 1:	6
826364.4	1461634	739056.7	545068.6	996837.8	901886.7	[1000][M+1]2+	8
1160181	0	1407529	893803.1	2185264	4307238		9
474407.1	1713381	2947467	412192.1	549609.2	309849.6		9
4053926	1085233	3054783	4359787	5176295	2808502		385
1092504	797364.2	680362	2786544	1068970	495178.1		467
1122701	1388007	1714730	843361	939722.5	585630.7	[M+Na]+ 2:	13
4349123	1147571	3925240	1197858	3474764	5079314		6
11645.75	364498.2	253272.4	147916	150313.7	617640.9	[M+H]+ 66:	18
443181.6	1049795	745095.4	482148.1	321401.1	279166.1		4
42037396	23454383	5492170	31261834	32077519	47320405		3
129213.5	149157.3	164945.9	139700.3	114830.3	95269.04		145
1109155	866838.2	1002550	816887.1	782428.2	319447		9
11886746	359426.7	11926371	7317720	14763055	19160788	[545][M]2+	2
1443657	1442991	2265716	1345461	1662083	2029519		7
9496450	1781233	1650422	1963744	10217432	5035039		1
237943.5	247041.2	188917.3	204000	195489.2	142724.2	[641][M+1]+	25
3283370	4420098	3450035	2412214	3478795	5479480		4
43257313	19313174	37418652	18304867	25712624	3410484	[371][M]2+	115
2699030	2551271	4255387	1387900	1903333	377270.3	[M+Na]+ 5:	6
93889.97	123111.3	79621.22	128328.5	61489.62	82997.15	[M+K]+ 37:	319
5265620	6709732	4201864	4206478	6596580	7046964		14
1111917	10817489	6028156	3835244	8968026	2823911	[875][M+1]2+	1
4757786	7049330	9637390	4406458	6099176	6807187		9

10743963	3763379	12345930	11038971	3569864	4674766		2
204397.7	743396.1	796399	378821.2	346759.1	584440.6		4
909159.2	4353157	6054073	1419470	7692590	3302706		310
2357443	4738225	3218611	1374546	3263689	5733548		4
59271436	57307751	49859418	53199634	27155080	42010363		2
11003871	21010862	49345278	9629552	13227684	5808754		315
3486044	3645997	4503419	3094507	3033863	308300.8		9
1651743	1987325	1799499	4048946	1630228	325213.7		272
1193087	934088.2	1830178	2703299	2263203	1490452	[3M+Na+2I	6
1467678	1555004	551336.4	859315.5	1401091	392457	[M+2K]2+ :	8
833163.2	1196816	324375.9	744591.3	427941.7	938870.3		9
7682295	8311908	7123206	5677137	9000509	8398630		2
3007019	4466932	3534241	2001502	3098229	4361378	[724][M+2]+	4
3765592	4073472	3122120	2839126	4772173	1073645		335
497840.3	405013.8	1304383	1565283	816579.8	784954		9
87106312	1.11E+08	1.12E+08	64957451	73898671	66364440		4
975841.5	916665	1154683	986290.3	722317.9	304698.3		38
3012484	3475886	3006892	2489108	4041638	3126211		9
899680.7	1778542	1128077	894138.1	923221.9	683014.8		4
5464106	1929401	1450453	3101171	9582049	2981791	[1172][M]+	327
7593860	4270023	6340070	6657707	5356098	1293838	[384][M+1]+	143
1139807	2333513	1606196	1158946	968146.1	1152944	[M+3H]3+ :	13
1092566	1868475	1206218	887485.2	1867148	2461748		1
4519062	6187694	4339605	3961715	3965793	5884331		400
2353724	1937203	1816547	1725944	2372388	1483374		4
943901.8	5316124	17168783	1051142	2230553	918421.8	[122][M]2+ [M+2H]2+ :	20
4190179	5048449	4435512	5509402	4070551	4181179	[M+H-H2O]	121
71946338	6574724	99302379	3110118	80643047	3.61E+08	[M+Na]+ 6!	14
449731.1	229502.2	557959.3	516576.3	568992.3	403018.9		306
1571372	0	1631671	1382314	3003064	6602863		13
478736.2	353551.5	563547	540242.2	161642.2	48746.65		4
15756269	18577862	16775403	13651094	16556531	15172937	[678][M+1]+	13
7836694	13837639	12795021	9507492	19250408	7689717		6
4432639	2764669	3922923	1331912	2640005	11397.41		68
7949879	6352761	10739619	15189501	3568235	2805145		389



4759534	12333010	12500975	3678392	6535948	11666580		9
2927427	1447211	2593398	1425556	776757.1	0	[373][M+1] <sup>2+</sup>	115
1142331	1062532	1539844	1048777	928472	0	[775][M+1] <sup>+</sup>	9
3323748	3200026	3151110	3184038	3012806	4360022		354
330964.4	192369.8	226792.2	291857.7	143385.8	174573.7	[554][M+1] <sup>+</sup>	110
119510.9	256885.8	184202	197034.3	141419.8	167073	[1346][M+1] <sup>+</sup>	210
304804.7	349598.8	409812.1	177404.8	238382.6	0	[M+H] <sup>+</sup> 76!	23
91233710	69100431	134254.6	91129892	61549215	216855.6		61
2794569	1966156	2149877	2143959	1961650	937685.1		305
4556482	10751220	9988529	2914283	6211649	10525922		9
437845.3	869821.7	652695	761355.8	746931.1	420364.5	[M+H] <sup>+</sup> 54!	16
2302613	3824955	2417588	1523524	2998212	5720370		9
177564.4	256238.4	430395.8	204357.7	220429.3	149897		203
4125303	6002394	2984069	3830990	6190601	3427608	[M+Na] <sup>+</sup> 4!	189
6384289	7192138	6054096	14578535	17877674	3911204		1
1738386	2894140	1612272	1150218	2001890	2723198		4
992097	0	257159.4	921249.5	821336.6	359145.5		1
1233809	735514.4	1241969	1069958	971456.7	714612.9		4
2547194	4385333	2119653	2054953	4274657	5119447		2
1475346	2423862	1403367	1081927	1458510	1759072	[M+H] <sup>+</sup> 76!	81
3693960	8990274	7721119	2517860	5117329	10016079	[163][M+1] <sup>2+</sup>	9
1080613	865697.3	637041.3	518068.5	987099.9	0		9
709666.5	870328.2	422398	470713.7	562599.7	1030117		9
2780916	1810635	1810162	980427.4	1043441	3438815		2
417835.2	865554.8	931912.9	469845.3	474701.7	18076.32		4
3.8E+08	4.44E+08	3.09E+08	3.62E+08	4.31E+08	5.51E+08	[1210][M] <sup>+</sup>	2
4480887	753759	8329492	3870177	4006349	1524072		208
1017234	610100.6	1339842	1128646	863511.2	0		4
9227102	12079549	9262883	6354259	8062270	9932440		1
1937360	918400.8	2072952	1601949	1822301	1246286		41
2329624	1493821	2521988	2118168	1464329	118765.9		2
3274328	4329953	4310683	2904797	3742911	2245008		9
1388849	2229969	1294830	879616.5	1189220	1697406		9
3665867	5948117	4772025	2595460	4110455	7565366		4
386222	320962.2	365617.6	229644.5	332337.9	23836.07		91

703863	641646.6	257592.3	431537.3	1269883	1451975		9
9103655	6793869	4647593	4646557	4536297	8049592		395
7876005	9095659	12183640	6477456	8022015	7964689		9
435955.1	344737.4	272232.2	392619.7	350505.6	155783.6		312
6076201	6026309	6510256	7814446	1373384	5968018	[M+H] <sup>+</sup> 48	195
478991.7	423006.5	409689.1	398182.8	94595.51	56765.07	[767][M+1] <sup>2+</sup>	246
527627.3	633577.8	723275.2	697322.7	441053.5	692523.8	[M+Na] <sup>+</sup> 70	35
2304051	3232123	2406422	974862	1829067	2568932		4
1848905	1798883	3206063	1508315	1042872	2832184		4
381637.1	614184.8	817048.1	369184.9	570413.8	272877.7		4
1169772	1539280	747111.9	656238.9	1410605	1101243		9
17411106	24640843	33865520	14826404	16461668	5439287	[144][M+3] <sup>+</sup>	9
2802621	2051805	351833.9	2308100	3941647	894929.4	[M+Na+CF <sub>3</sub> ] <sup>+</sup>	11
7834159	18374725	15540182	5317552	10841773	20705103	[162][M] <sup>2+</sup>	9
2259303	0	1957923	1611263	700569.3	373212.5		1
4766734	4043310	2948984	4135914	4389642	4419869		15
4.66E+08	4.92E+08	3.9E+08	4.25E+08	4.68E+08	4.8E+08		2
5176426	5453248	2614661	2831873	4986701	5162365		93
1.23E+08	1.23E+08	1.07E+08	1.19E+08	1.12E+08	89592415	[858][M] <sup>+</sup>	2
3058590	3941820	5686702	2798888	3170287	831251.9		9
40398156	47219727	43589548	33159553	33042258	17315162		6
2146345	1815581	1444825	1651115	1311876	1860720	[93][M+1] <sup>+</sup>	94
684658	415156.7	876713.5	943490.3	1056417	594052.9		278
1599667	493718.4	479600	1197290	1762977	2022240		9
3795759	1941716	3965444	3434157	2952798	898583.8		4
252986.5	170388.4	185118.3	276590.2	209280.5	235701.6	[1082][M+1] <sup>+</sup>	145
39935681	24437144	53497752	61415516	1021922	34514630	[M+Na+K] <sup>+</sup>	6
4285601	4529308	4074546	2695337	4329899	5540692		33
13226748	8391413	10516682	13305220	11193023	3435136		2
1390547	2057809	1723747	1141703	1499503	1236502		9
25861024	39039752	18091967	2488113	35643908	36789122	[691][M] <sup>+</sup> [M+Na] <sup>+</sup> 30	15
18769266	21976098	23316705	15384891	16858751	14166804		4
255625.5	571269	407264.8	225400.9	308759.1	66236.84		91
4201606	3274967	3789363	3370396	1773828	2406950	[M+K+Na] <sup>+</sup>	58
262726.6	598405.9	411379.7	247780.9	162122.2	1101690		65

1358403	1749744	1538532	1119026	1306250	1069362		4
4085720	3796354	3687466	2796397	3819201	4120985		445
5030383	624862.8	6769019	281900.2	680771.4	2135898	[M+H-C3H <sub>2</sub> ]	8
8520234	14298621	22034515	6812256	9368886	4501786	[1456][M] <sup>+</sup>	9
1663080	1653952	1379357	1161442	5107435	3008584	[M+Na] <sup>+</sup> 10	11
7.92E+10	5.61E+10	4.81E+10	3.71E+10	6.42E+10	3.47E+10	[794][M] <sup>+</sup>	1
571183	1121364	805539.6	524205.6	889872.6	1050069		9
1.13E+08	1.17E+08	98835377	93827435	1.23E+08	1.28E+08	[470][M+2] <sup>+</sup>	2
532787.8	1695740	1908999	447951.6	593762.4	914492.5	[514][M+1] <sup>3+</sup>	9
3958524	2836701	3390295	4021714	5560420	6513940		2
17564259	17570832	14454623	14938026	19406522	18985765		2
191138.8	136859.2	348756.8	407149.1	282188.6	281269	[955][M] <sup>2+</sup>	159
905752.3	376178.7	654470.3	602583.6	332156	80650.26		112
88016.14	69789.68	109740.4	23693.35	65223.84	96971.21	[1019][M+1] <sup>+</sup>	503
4197990	4147900	4092963	5416358	3396586	4467624	[78][M+1] <sup>+</sup>	159
10650489	7829774	12298278	12458209	10669390	6564292	[1202][M] <sup>+</sup>	275
38353029	28106022	46434739	55889373	38273311	28214745		2
10907588	16728076	12230643	7572842	12590520	17930088		9
422787.3	643767.3	316602.3	474920.2	275884.9	497503.2	[M+H-CH <sub>3</sub> ]	8
238507.4	866558.5	736092.2	992674	371353.2	579188.1		23
0	979268	1547652	119222.7	1111285	111789		1
2206641	3921321	6879150	2957271	2465370	404288.5		6
535863.1	0	1237021	429420.1	481662	989291.3		9
4924698	7543104	5706634	3439017	4311397	5745877		4
17041271	14923666	15107670	24006275	11198894	5762861		2
2761673	2813022	3132891	2477790	2526702	1566133		4
4666818	9940786	5499079	6216698	6121774	6940089		321
15412674	18887456	16806437	13345173	16220549	16092167	[685][M+1] <sup>+</sup>	13
4919794	1846930	5412520	4303465	1357769	389287.5		4
429151.1	161105.2	459858.7	351519.7	268587.8	0		276
17108779	19190153	17008270	11748366	15766259	19557862		4
912616.6	766138.8	1545064	1720049	735345.5	1321872	[1502][M+1] <sup>2+</sup>	23
494408.7	235664.4	809070.6	450090.2	717387.3	810975.8	[M+H-C4H <sub>8</sub> ]	20
2964109	1464234	2167797	1156917	1649926	14943.06		115
454596.3	0	1204660	216941.6	493188.4	562552.5		9

139576.7	95860.35	91767.04	221406.4	95117.68	259361.4		242
1203375	968896.5	1642345	824552.1	1073691	918188		1
1869524	1384545	1639845	1283166	543949.3	108676.7		32
236314.2	1343500	610884	2924055	217472.1	1627401		18
1156179	1418686	1544262	968559.5	1117430	575342.8		4
853642.4	1653441	1940845	437143	829813.8	1098071		9
4741543	4482823	5757524	3692542	6325371	7569156		241
35505244	3170025	32925377	27601707	2078478	10322943		2
665172.2	1010843	2018840	453221.7	900024.3	831727		9
814187.3	606261.3	686433.4	571630.8	447948.3	686701		206
45060278	47175318	38990928	36905119	49705579	52224917		2
5.49E+09	6.49E+09	7.48E+09	5.29E+09	5.38E+09	3.85E+09	[610][M]+	9
4042846	2810998	624573.2	1965288	6232169	5893358		21
958187.3	833232.7	682538.5	815438	410915.8	90367.9	[1521][M+1]+	4
2050070	3343596	2834934	1451049	2092493	1899030		9
1003290	1746857	1544697	1889580	1143506	1003759	[M+H]+ 46	147
326285.1	534118.9	489172.5	136100.3	281127.7	94273.63		51
2195032	1830682	1810970	1349601	1617404	1077653		4
663129.7	887985.7	836149.9	444552.9	734111.7	0		9
3577266	4629502	4370479	2875627	3599656	1371101		9
8102719	1142968	14494595	12258074	3792422	8018685	[M+H-CH4]	95
1432067	1472955	1480439	903878.1	975964.1	2253003	[1418][M+1]+	215
246373.9	262735.2	351444.3	235914.1	264530	258740.5		136
17416217	2617991	2458471	13925600	15301775	18538493		3
360859	554063.5	569243.9	456723.5	325076.5	609883.8	[M+Na+HC	16
2195663	1598021	1332090	1729762	2440891	1166780	[1029][M+1]+	3
638465.8	368255.6	445727.1	702075.4	505072.1	129818.3		118
824787.9	917638.7	782783.6	794767.2	1487425	2092033	[2M+K]+ 2	8
659725.4	0	459035.2	670171.1	276014.2	66972.26		8
2595551	2636167	3162404	2314755	2525303	1585821	[546][M+1]2+	4
3858239	3236991	3949910	6429831	2848099	1589633	[M+H]+ 21	72
1196510	3478531	3089537	609539.6	1814763	4452166		9
2327804	1447443	3590923	2800292	1748925	0		1
2128765	2818646	2983922	2377243	2670942	766494.2		4
1648983	796481.1	1025973	1754292	1386034	76143.47		4

1040332	1382860	284575.4	230106.4	194890.3	1318676		152
3486416	5267242	2961915	3019995	2185877	1053467		4
8496205	20409511	21536352	8485460	8454464	8950832	[339][M]2+ [M+2H]2+	20
4258548	3361100	6123248	4089905	3896279	895953.4		13
17707445	17006704	17607947	17702664	14667211	8681750		292
1655000	4537090	7275883	1286986	2142391	2596802		9
2172539	4148122	42697868	24686321	27581927	4570453	[M+H-C6H8]	5
2590030	1514128	0	1258708	1124485	924140.8	[M+H+HCC]	41
436566.9	1129015	598027.9	444148.6	524922.8	101808.9		234
55339702	35307614	13473969	20154934	2278048	84762955	[M+Na]+ 1	3
6672212	3480739	9081371	8817128	3587352	3770585	[3M+Na+K]	26
1961490	1456308	1792669	2322680	1914530	246120.3		4
439096.5	860431.4	611268.3	354810.4	661008.9	977808.5		4
5940059	1606028	3727941	8231326	3462839	1206280		230
723676.1	776083.1	248395.8	605076.1	670154.5	28891.63		77
1.11E+08	1.59E+08	1.09E+08	81396243	90807786	1.75E+08		67
0	724104.7	0	0	334965.6	387555.4	[3M+2H]2+	46
3231974	8728704	1676944	3657763	11387371	9212684	[M+H]+ 20	11
640278.9	988098.5	650799.3	411621.9	657056.2	836681.1		8
1146565	1040787	999627.7	657992.7	1871817	1177273		9
534201.2	226647.2	1778536	526475.1	502851.2	89751.34	[160][M+1]3+	9
42878323	59473278	43408979	25518261	32953643	58439341	[746][M+1]+	1
604174.5	1050636	208683.5	354149.2	587223.9	770927.7	[M+Na]+ 1	8
15117255	17698365	12507571	13427499	18852841	16930838	[467][M+2]+	2
47377748	72577363	54538036	38737334	83449792	44006308	[863][M+2]+	1
895662.2	829000.8	1199571	1348307	851415.2	958998	[271][M+2]+	61
4595633	5033963	4479893	4253527	4173021	4295556		415
237141.8	1014370	758736.4	698460.3	701583.6	430037.4	[M+H-CH2]	20
734042.3	4660242	4344933	844837.4	4500560	7074111		1
908625.4	1082569	966886.1	692202.9	851867.2	352309.2		4
3021534	1028030	1050483	1908981	1444094	581046.6	[M+K]+ 45	12
3892202	3465589	2531212	3417279	2426704	2885864		130
748120.4	1154007	1249338	565462.7	638686.7	198069.2		4
1383109	1483441	1805201	765284.7	1133567	1296902		4
1909826	3036281	4035353	1472151	1682263	247243.4		9

653339.3	1434335	4950710	449876	367750.2	1307756	[M+2H] <sup>2+</sup>	39
1876867	2930655	1739215	1457230	2304463	1523248		2
3614989	4432719	3726861	2887249	3163856	3370241	[1166][M+1] <sup>+</sup>	2
235051.9	442277.1	314463.4	357126.1	341529.2	258329.9	[M+2K] <sup>2+</sup>	35
663933.4	1201182	1345961	803757.7	705661.1	1527207		179
417587.1	2073446	1489107	171641.8	637773.3	747002.3	[M+2H-CH <sub>2</sub> ] <sup>+</sup>	18
977610	912928.7	1304270	906660.2	1104504	580849.5	[119][M] <sup>2+</sup>	17
6127945	3607397	3304979	8518072	2598252	3181654		2
2627330	3595347	2487551	2007189	3383031	3092619		9
1081135	164395.5	2033419	1224431	1132974	1486270		9
2453737	4357308	2235225	1535105	3378592	3766420		2
371864.9	335242.6	563313.9	464019.7	450019.8	350993.9	[M+Na] <sup>+</sup>	35
5009175	1779572	1691530	1324428	5452045	5451702		1
20390029	22384253	22788223	12518731	18441549	1911434		6
394344	0	2658051	2393687	674313.8	1396094	[374][M+2] <sup>+</sup>	9
7482309	8951189	5940400	8703671	5650196	8292650		2
1397093	259007.1	65244.35	1218718	1355033	405778.4	[M+Na+K] <sup>+</sup>	319
3313753	2718412	2308531	1968030	1474009	133896.9		169
25441740	32801407	119253.3	24820612	24527638	13945606		18
4604865	2187487	1488976	3460579	1412985	9073154	[M+2H] <sup>2+</sup>	46
4002424	1377969	1828714	2993681	4025431	3767426		1
17089910	39251905	44827903	12695218	14031661	20215095	[284][M+1] <sup>2+</sup>	20
6201509	8308423	7133762	7365774	3567317	4378143	[879][M] <sup>3+</sup>	20
8176536	8182304	6868339	11106035	8506733	4412020		2
5272544	6909371	6073029	4179720	5566049	7265881		4
551331.5	693152.7	659094.1	466061.9	582971.3	380856.4	[898][M] <sup>+</sup>	110
127398.1	162212.4	164937.9	146594.3	133102.7	46352.52	[M+H+CF <sub>3</sub> ] <sup>+</sup>	147
530147.3	670021.8	991792.7	555175.1	504477.3	554482.3	[3M+2K] <sup>2+</sup>	33
5348393	6005822	4443544	3361855	5648478	11297502		29
2171674	148448.1	1750998	2392490	1720264	4904333		242
1621946	1995619	2545503	1635287	535126.9	1390080	[346][M+2] <sup>3+</sup>	9
4922425	5490765	4465756	4603414	6148512	5494990	[535][M] <sup>3+</sup>	2
2147921	3672490	3002252	1052043	2912141	3976732		9
18253783	25785342	12727048	11513235	10836352	13877935	[882][M+1] <sup>+</sup>	101
1769425	999929.3	1789424	997719.5	1167781	626866.6	[1465][M+1] <sup>2+</sup>	4

20784146	2277122	2159781	992037.5	16761644	33839268		1
1.53E+08	1.75E+08	1.7E+08	1.14E+08	1.78E+08	2.17E+08	[1180][M+1]+	17
156870.3	250389.2	137620.2	222560.8	185983.8	144969.3	[1017][M+1]+	78
5453503	7161257	4758235	3457188	7542673	7513510		2
808442.1	204999	1240399	807635.1	265677.7	585947.9		135
596219.2	886898.1	1495593	1127451	325533.1	0		9
1710182	1654108	1613226	748119.5	1468533	4296058		41
822088.5	178972.8	982609.6	1385180	1649930	0		160
4162917	7981342	2732410	5388876	5768757	9659651		2
12999482	14358247	9317026	10822192	15796498	15528102	[356][M+2]3+	2
24590111	46405151	25506287	23619822	45811474	45150348		2
1493046	1630136	1374664	1094105	1081886	600008		4
3875300	3458285	3776427	4114264	2799076	2262315	[719][M]3+	69
1317157	2205041	2066967	1008665	1534339	1402503	[1261][M]3+	9
28642591	37179537	51217646	22799458	51259018	35056355	[M+2H-C6†	33
4551060	10859326	9902901	3213942	6225825	9950005	[166][M]2+	9
1518170	286627	1818439	2060472	1196383	0		2
502477.1	519959	359441.5	585501.2	608934.5	13404.93	[509][M+1]2+	476
2472534	3275089	2287825	1214658	2419737	2473877		4
2590281	1090745	2907586	2533549	3567473	3434900		2
1358913	91277.53	1459961	1177134	1089017	3879611		2
5556469	9912086	7521922	4139681	6913780	11279571		9
363889.5	700450.1	687271.3	729017.8	836743.3	157360.6		49
955249.2	902099.6	940701.4	784850.7	836708.1	667677.5		4
773915.6	1282299	419041.9	497171.8	168266.5	567808.3		101
2215822	3307685	3059756	2009089	2070449	724664.9		9
2947167	3588503	4076328	2870743	3096784	1939201		171
8127363	9394735	8183903	7214776	9862900	8449405	[M+K]+ 32:	13
189679.6	367202.2	397864.9	71500.07	124417.5	248585.2		243
3831687	5282275	4123969	2802220	4045530	6711402		4
5760918	8183903	8594055	4830378	5769361	1928109		9
2385143	7630389	9352033	1711697	3054929	6045690		9
6565704	6139018	4295223	5148973	10947941	5552037	[M+2H-C3†	3
2132169	922714.5	1191236	538206.2	4508531	2942769	[469][M+3]2+	2
16952199	17762648	13574122	14874483	18232299	13987843		2

553995	1094791	808079.3	319325.6	682197.2	955092.9		8
636668.6	868838.7	552073.8	394079.9	560015.4	60382.51		159
918597.6	982239.7	1261379	960723.3	802940.2	613443.6		4
41422093	45197054	32872772	32817778	48161214	48271491	[431][M]+	2
99918.55	119293.6	47356.59	138469.7	136129	142194.4		51
0	398615.7	596611.3	105102.5	220783.8	953915.7	[M+Na]+ 5:	21
1543982	1568660	928242.1	646070.7	1678831	1861917	[3M+3K-H]	5
1341923	1332209	1233453	1217873	962294.1	703415.9	[888][M+1]+	33
299312.7	0	1205494	654647.3	301615.9	325206.6		9
388130.8	1176118	562581.4	371000.8	416328.5	418619.4		4
34112807	43583923	35676074	23456252	30769713	35579057	[784][M]+	4
2903267	2305411	3357227	3442128	1456059	2927878	[1436][M]+	340
4251407	2380412	5906384	2970908	3774343	3457802		443
2306171	2384671	2561520	1990416	1791447	701966.4	[2M+H]+ 4:	44
438341.2	153652.7	616161.5	459992.6	614558.5	247303	[1449][M+2]+	301
3728203	3057916	4369764	3458584	1630469	1485133		2
72774592	1.08E+08	51805123	58070358	66649397	1.29E+08	[3M+Na+2I	3
18786365	36140011	19533231	23067953	952573.1	10465013	[M+Na+HC	6
204759.5	274776.7	193955	118597.9	313449.8	170490		527
393278.2	680515.5	800791.1	265285.2	85057.47	571599.1		4
3870021	3645835	10914757	3231737	3910413	3663869		174
2388003	2845835	2195639	3918584	4800299	549142.3		1
166268.4	279220	250163.5	181504.7	189664.7	239752.5		224
8815690	1087657	1724719	6099560	8812673	9632711		84
641831.9	667434.7	1023442	1093417	765245	446817.1		4
1981672	2321243	2606115	1860232	909528	5016791		2
928494.4	1679108	1995971	466576.4	1116444	739460.1		1
73188025	77996749	93065646	73336233	73603754	56747158	[100][M]3+	9
11039627	8465099	9432207	10257548	7307070	5772966	[1282][M+1]+	2
1414803	916187.4	1170629	2055671	999938.2	595160.7	[M+2H]2+	38
3284227	2052476	5759758	1543821	2320017	2596079		1
1700857	1000723	8280548	689930.8	6230466	3663967		1
3910034	11707476	7158799	4415780	656617.3	5286908		1
2980427	5246194	6436089	3335622	4693902	3449494	[599][M]3+	39
1268542	1248747	239056.1	1103201	1504909	1974174		13



5288456	2076342	955400.1	2994346	8586840	2354562	[1014][M]+	324
9895854	2804024	7994416	11133022	2569704	5420848	[423][M+2]2+	2
2226092	2420463	501517.7	3218114	2124178	3628146	[M+H-CH2]	253
17605074	9798139	2468322	7691784	20480400	34233627		11
750575.9	839302.5	502444.4	325065.5	1796779	223213.1	[M+2H-CO]	18
418502.6	2586745	335229.7	215670.8	2420830	2101320	[1316][M+1]+	2
482430.9	794170.6	1970832	120284.2	408880.3	0		9
1170139	784567	1188364	910122.3	726412.7	0		9
2.38E+08	1.95E+08	1.94E+08	2.34E+08	2.36E+08	1.47E+08		2
5683118	5650420	5451982	5293422	4196193	5829553	[400][M+2]2+	2
3316470	4070856	3828068	2055934	2961917	3037166		4
4556278	4258527	4724754	4970709	3825821	5556647		352
3248883	763275.8	1705325	4282022	666854	543496.2		9
43689260	1224800	2916969	61145812	21096882	1462245	[604][M+1]2+	9
27256367	41605044	23369890	25850853	41828026	43575047		2
5955331	3529941	2342098	5212101	6837323	2490265		3
1456911	0	2333182	1683182	1220503	0		9
1846292	2805120	1893323	900240.3	1673134	3246234		4
8068765	4083167	6155815	3877263	3909855	3515918		380
17885652	49445299	16638355	11856631	27401740	50258273		3
1495325	1230495	1375883	1456371	3089018	2893304		2
7510366	4501046	10090225	4701881	10744263	2168572	[M+K]+ 338	11
1993001	4705813	7382041	3067524	3417628	5219221	[355][M+1]2+	2
843580.5	762129.5	980445.8	871391.7	547889.8	1059258	[1447][M+1]+	7
1392462	282218.7	550479.1	1327105	205579.6	1025152		67
463925.9	1412632	1616564	292534.8	644085.5	0	[1059][M+1]+	1
159624.4	62491.92	318543.8	241604.8	171407.1	305197		526
1195382	1610359	1677747	998272.2	1339191	1048183		4
3662892	3680343	3437757	75764.79	3405009	8005578		439
459330.1	818027.5	344427.1	442808.6	402275.3	499195.9		8
634176.4	1205505	2381359	866786.7	1682783	597239.1	[M+H]+ 528	28
4975982	5096475	4473770	2953136	3919855	2693539		4
12875494	4689437	10358239	7997866	10488206	90935.21	[1358][M]+	109
5128331	2616862	3654914	3327450	8772774	1912409	[M+K]+ 664	29
5073220	4488946	6437706	3908022	4779681	4491216		226

8028599	14558528	8481599	4717869	1380999	17937926	[3M+H+Na	3
274686.9	662014.9	1247077	204264.3	234760.5	498991.5	[M+H]+ 29!	18
1148837	2859537	843291.8	1019160	2190813	2496931	[3M+Na+K-	97
2992163	6104515	1709296	1347724	5367458	3825146	[M+K]+ 54	3
9118574	2553971	7580946	9588377	3803819	3422343		2
394033	128864.3	297260.1	302531.7	296530.6	215829.2	[1399][M+2]+	235
57860138	71901498	43653860	40164846	66049137	99104688	[766][M]+	4
621528.4	279906.7	1572557	1046717	280329.7	101498.4	[1600][M+1]+	40
437449	985354	467776.8	415057	618446.2	1851216	[M+H-C3H:	8
837765.8	824142.2	1038960	878634.3	620342.1	558569.4	[625][M+1]+	342
4182852	4366498	5026238	3867851	4385310	4438816		375
1030598	407450.8	534928.6	425444.3	1252118	444209.5	[1014][M+1]+	324
1726800	1717664	515416.4	3060124	968525.2	738156.5		81
166754.2	113849.2	114982.6	116793.1	158025.9	61600.39	[1027][M+1]2+	42
5509942	3970978	8755763	4478393	5715021	378683.4	[3M+2K]2+	13
24238208	14189382	1870833	14888280	24460567	18325912	[M+K+NH3	15
11745559	15689384	12158820	10296706	14679998	18775412		2
2556054	555982.9	1723892	1670983	5829790	10092920		1
108084.6	377546.3	187104.2	185024.5	174887.4	259560.9	[964][M+2]+	101
3662669	4089931	2872860	1850095	3375245	13383425	[143][M]+	287
3271100	5167813	6145535	2672301	1427123	1338889		1
570329.7	3800726	2434611	3130486	3510721	874694		190
2675037	3299531	2934872	1936575	1345250	2387664		4
2920310	4875153	3101656	3399071	3250461	2900509		2
575321.3	635301.3	514671	456563.7	405340.7	353580.8	[1041][M]+	161
724556.9	698701.8	864272.3	483266.3	684913.6	663247.3		20
1786390	2659304	1546164	1541668	2633794	4454482		13
1868969	2089020	2942743	768130	1538468	1935652		1
4835752	3848800	2002606	7931023	4997805	305750.3		1
394522.3	354515.9	330915.4	150094.2	299944.7	472081.2		63
1974926	0	2358237	1468434	662457.7	0		1
2237935	1734254	2630647	3022856	1757152	1262568	[1431][M]+	262
1683666	3120097	1079867	814540.4	2446092	5261825		9
652673.8	1911468	2357290	550546	936008.8	857515.5	[565][M+1]+	9
825736.2	1345228	845250.5	331986.9	635764.5	1737634		4

1.23E+08	1.22E+08	1.06E+08	1.18E+08	1.12E+08	89721971	[853][M]+	2
1209104	4379381	1129391	1322916	1554428	0		2
813418.6	663164.6	1224777	706284.8	500976.3	2266426	[730][M+3]2+	9
2622153	1831274	2805151	2462304	2367310	736777.2	[M+K]+ 189	13
606118.3	1139026	888048.1	900771	662681.4	1404216	[554][M]+ [M+2K-H]+	110
17172752	8762518	13989685	7215595	10221701	63928.24	[660][M]2+	280
51131316	66599648	57318972	29962096	30144847	70516347		124
2383756	1684698	2074883	2007853	3677746	155884.4	[M+K]+ 470	15
1707764	3673435	1800800	2579841	3075497	1649979	[56][M+2]+	2
47750562	31798153	42294508	46778336	38864625	11542106	[384][M]+	143
70002.73	136303.3	299777.6	287457.5	267936	210352.9		288
11028540	11067587	9222368	7932377	10359168	6865282		4
172649.5	184196.1	66093.88	103539.1	95678.66	98671.76		160
2947488	2062454	2397744	2216951	1755544	3987307	[330][M+1]3+	2
3677090	5047358	3327711	3209903	3729062	5129765		2
22293504	27342912	2503740	22234585	23029602	29625347		21
4688184	1883287	4475313	3327787	4081473	44681.69	[1358][M+1]+	109
790572.7	807612.9	655203.8	806716	1054308	809627.8	[1555][M+1]+	8
1516994	3306507	278400.1	3293909	4064642	2642434	[M+H]+ 250	11
1723584	2533937	2492311	1525605	1622343	1606640		9
9798900	8479430	9884947	15250103	8785991	4983605	[411][M+2]+	4
5791473	7655666	7361407	4541032	6281322	3881170		9
14515345	38013080	7025858	35490056	16907021	5622313		6
3866442	5224955	3393575	2952975	4869005	5066418	[M+2H-C2H]	13
630645.5	1367234	1217997	831894	658113.5	673463.4	[728][M+1]+	4
7415486	14487187	15605705	5720678	11377062	3010070		2
1921751	719035.4	9234524	620965.1	1573874	3053209		2
3704580	1604484	1179080	2403640	2892263	2722381		2
0	386195.1	2494514	0	886042.3	0		1
882264.8	1701198	641169.7	401980.5	1971711	4692833		2
8714866	11930140	8437880	5994664	14990138	8437010		1
1588899	2611515	2232766	1105257	1817630	2978001		4
25758687	23953210	15134641	20427387	21101477	15598139		2
1009337	1983431	2898760	1402647	988190.2	312435.2	[M+2H]2+	35
78533695	7033513	896559.8	2292069	80108843	51983640	[M+2K-H]+	3

851121.3	237651.5	1123219	1216767	1009159	430756.5	[M+K]+ 32'	185
5683956	5375118	3241264	5304543	5266608	11176110		407
5643060	3089301	8080316	7988583	8240544	4397952		202
599007.7	381759.7	830454	1345866	48166	458831	[201][M+1]+	239
2447239	1200016	1924245	2150607	4368335	3361923		2
296223.9	674666.5	537821.2	306310.7	460635.2	226842.2		4
9908365	7521280	9152822	7467602	10124839	9250852		4
6392172	2588079	1151601	3152717	7295789	11392504		11
9789812	5526070	7696824	9988266	5071669	7004485		2
1983054	2076578	2259784	1814268	1796835	1195719		4
5829216	17641483	21679078	4093913	7929566	13866706	[747][M]2+	9
2242215	3731424	3270331	1098462	3942255	3485266		1
12879963	8353213	7525620	11958916	8468422	3109480		2
349837.5	460413.5	640114.6	386765.7	349207.5	217985.1	[M+Na+K]2	33
2257912	927702.6	937501.3	2352204	2109665	1601466		4
3306526	2492424	2283117	3286333	2475446	1288826		2
909409.1	937263.4	1050895	831432.1	806993	489887.2	[884][M+1]+	17
1403213	702156.1	663188.1	1196537	417297.6	614998.7		4
8386145	7119976	2309308	6377462	1546289	5720338	[498][M+1]+	146
141423.5	136594.8	75358.99	97435.54	29174.44	138828.1	[57][M+1]+	450
5317192	4964966	4736624	3187098	3335197	1877772	[463][M+1]2+	38
15335888	11736564	11889840	11651593	9205791	505020.4		286
1456825	1054722	1064582	2005136	1659447	4425302		9
254646.3	239123.6	260718.1	152042.4	182316.2	89389.14		42
11994489	2280763	15660690	12040848	1131952	9943317	[686][M]3+	9
78514437	79553124	67867299	69066897	87468421	88502642		2
6130966	3852458	4121583	5339566	4266009	2949448		9
14990517	19905672	14451744	13123348	19750631	23129296		2
285605	128240.3	666491.7	748659.2	988054.4	0		160
6434082	2514412	8083266	4621292	5312617	1297975	[1242][M+3]+	2
1717133	2290324	2125833	1581511	1713657	611824		9
275322.6	153513.1	574411.9	549219	610730.7	175293.1		54
7347981	17832899	15659352	5206815	8660667	20674916	[1189][M]+	9
1156472	3048673	939221.7	1366165	1670729	6970134		6
3412282	449956.4	3348823	3254401	2924007	7391579		2

1746883	4779603	3394854	3075368	2428313	4150604		2
262454	438332.2	830785	170880.4	360584.5	314919.6		39
260476.2	212770.1	591978.8	463156.9	348837	43401.01	[M+Na]+ 9	38
6374200	2534236	3963041	5321488	4627071	6998611	[M+K]+ 260	323
195336.6	197538.1	0	144767.6	22305.89	95314.88		50
767564.5	590321.6	327888.1	590292.3	391847.8	4155020	[M+K]+ 430	3
2098595	229984.5	166757.9	1167620	1845629	2705402	[M+K]+ 400	21
624407	1207844	811630.4	554170.6	621557.7	678134.3		9
527450.5	1715179	1840415	458751	948843.8	1386674		9
9997948	5515966	4795399	8228483	10946155	10507085	[M+Na]+ 30	13
7812156	6271280	16074951	5935622	6629791	7983330	[M+Na+3K]	15
3414908	2157192	3761948	4417265	2030342	3244022	[1560][M]+	304
3863258	4487803	8242830	5287825	4732865	497333.5	[1268][M+1]+	139
1005394	775375.6	1562252	631342.1	677645.8	603252.1		4
2388059	4544025	2243075	1129430	2907809	2806600		9
831511.4	1016390	168451.9	284741	229583.1	315460		130
1040615	1543486	2736356	1799242	1826657	1691869	[377][M]+	148
8121832	5524597	5533444	7615776	9953968	8455752	[1618][M+1]2+	2
3381529	3865422	4680484	3617307	3603703	5398024		208
1404660	2423581	1261371	1239936	1344156	515771.6	[M+H]+ 360	5
2182583	1896697	759700.5	907597.5	3633284	12622430	[3M+K]+ 10	21
17845511	49373122	16634795	11787496	27403176	50312836	[3M+Na+K]	3
689282.1	1438496	2048173	397326.7	558400.8	202794.4		9
1720063	1988694	1572391	2050177	1186495	1315668	[899][M+1]+	1
2264103	4789187	8141152	5861673	5868012	359480.8		1
1792756	1294147	2070362	2783334	1156128	1022563	[1564][M+1]+	329
1227485	1391798	1558673	1012040	1165638	554890.7	[49][M+1]+	4
337938.6	478475.9	360558.5	355922	352153.1	423407.3	[705][M+1]2+	25
6097632	968303	1741802	3373699	5061131	2065849		3
3310453	3675695	3702891	2833963	3057424	2121945		4
16954730	24400420	29394898	13289220	16511008	1.3E+08		105
1126200	1712546	1818041	1872715	628451	2773346	[M+Na+K]2	134
45277071	46023170	37953568	35894108	52958347	52729790		2
21803371	8811025	5683794	4498418	6656080	9197469	[M+H]+ 450	6
296548	460117.5	578576.1	286810.2	300023.9	272261.6		203

1836187	1110572	326086.2	1365134	311353.3	1179267		158
8759745	10853927	8828044	15878781	5921996	8248155		2
2653880	3273791	2988829	1906934	2702098	3738185		4
1908918	4370664	5010273	2069092	2068824	258143	[836][M+1]+	20
1069966	2060510	15907.66	100382.9	1608783	808081.8	[M+H]+ 16!	11
1212422	1911484	1081297	780087.3	1196628	749714.7		4
4572416	4878939	4724338	3800153	4110457	1447656		4
626812.8	238414.6	921674.8	980337.6	944856.4	1262881		62
654487.1	611842.1	2408944	575284.9	881892.6	1081586		9
320862.9	671605.7	212671.7	102097.4	304435.1	711801.2	[1061][M+1]2+	42
48465.21	729660.2	1859201	17791.12	126530.4	187793.4	[M+K+NaCl	20
1610430	2496198	3103630	1288711	2517473	2769839		9
135180	614482.5	551179.9	68808.78	152388.1	196017.2	[M+H]+ 63!	20
598889.6	788542	1348789	491261.5	421662.6	427559.6		4
5789336	9098440	5608676	5117354	6748638	15513997		9
848588.5	1360196	994997.2	665795.8	365756.1	714304.8	[M+H]+ 87!	23
222686.3	370444.6	504364.5	302039.2	240524.7	199485.6		4
757947.8	419974.2	695940.9	445122.3	630190.4	82079.95		4
7132319	7008151	2388311	7016267	6093753	5168119		9
1353268	1334985	797508.6	883631.4	1009117	636330	[1472][M]+	38
1029983	964949.1	982898.2	961962	1082870	618390.6		4
590797.8	1440417	589956.3	254323.4	587653.2	2501949		9
10798262	8170882	20797915	8211595	13140886	24966348	[M+2K]2+ !	18
3269563	1490134	1016204	3497968	3344437	138780.3		15
7790796	4727250	6441801	6953856	4604250	5473931		2
114872.9	186215.4	197940.7	151367.9	8415.494	95538.5		66
1489274	883560.8	1990048	1948099	1264171	105585.8		87
9443004	11516988	10258865	11273291	6608079	9063500	[M+H]+ 58!	20
24595785	16043937	25661752	30429967	23165477	13246875	[1128][M]+	196
48962545	48660421	44713962	52516688	44270099	34434636	[1234][M]+	2
600632	811013	1148608	303778	494627.4	493366.4		4
6107901	5276876	5821291	13569226	5690942	5834452		344
902606.8	886346.7	712694.6	736529.7	692433.3	605164.7		277
10834883	14435527	10965601	7795280	11372179	18064845		4
650052.2	579108.1	687070	1580750	608208.3	142020.5		4

299640.1	835900.7	829725.4	151661.3	531124	718001.1		9
583126.5	824983.4	1495936	817155.7	386964.9	0		9
1782516	940203.7	2069992	1389448	898588.4	463907		1
73414275	1239492	10376052	55099570	57123317	1.39E+08	[2M+Na]+	3
10429599	7418828	7057314	7001388	7155686	6700831		190
8618736	4804290	5512178	2988603	5151178	13152264		9
4543497	6505186	9383606	3986787	3905171	784427.1		9
2041062	2608745	2072721	978112.9	1860535	2302430		4
2442717	2451278	2636917	2097917	2185387	1404586		4
4695101	7416689	5488095	4119448	4940355	5373044	[M+Na+K]+	15
28994592	9826097	2840565	26078925	6586739	24678679		1
61920.93	91909.95	110357.6	66850.64	73604.29	135460.5	[986][M+2]+	110
1342970	2671040	1815848	1039033	1923137	2179821		9
1834611	3090906	55534735	33354581	1606961	1503391		4
571478.7	722857.3	876545.2	803696.1	648800.6	374079	[2M+H+Na	134
7276599	8711008	5869662	5521561	6620523	13294402	[435][M+2]+	2
1604630	1326306	2245886	1008020	1864515	4058709		2
1077038	393484	471478.6	424765.2	616462.2	581330.9		20
2942218	3070896	2044340	2082546	3096342	2440703		4
1672974	1943371	1420088	1182547	1391831	1055390		4
4182420	2222618	366459.5	3671898	6843813	5513215	[M+K]+ 570	11
10026729	10335758	5202228	7362966	11088207	13225918	[3M+H+Na	13
3640158	4356844	4730950	2335611	2916696	1440786		9
3133495	2589415	3469642	3719962	1393427	2906639		69
1645486	8329281	8077241	1348031	1164301	102724.6	[M+K]+ 330	5
926749.8	1202524	1860469	438330.7	496374	616007.9	[2M+K]+ 290	41
541192.1	1461548	1093240	946022.4	719596.8	740132.6		39
67030809	1.04E+08	87524282	48171537	65974981	1.18E+08	[780][M]+	4
2430533	584641.6	104194.3	1810975	1323386	895695.6		44
55864451	43064006	51245095	48267222	47807729	50366088	[1260][M]+	2
642020.1	2522843	2465697	1569067	1838990	2357295		9
10978820	6306072	7675241	6025137	8567589	6261449		2
2661984	2978721	4713826	4388324	2178286	2466851	[65][M+2]3+	1
26029111	39433531	22370092	24897563	39267067	40121419		2
29395850	20443461	16389481	26792812	11631734	15782228	[245][M]+	133

5199530	1797590	5892102	3804269	4031470	3220776		4
848831.7	1137729	1063749	6241302	944835.7	17267026	[M+H] <sup>+</sup> 380	21
5695291	7219585	10522545	5427833	4638877	2087659		9
158905.3	1.19E+08	154198.3	166312.8	1.24E+08	66170305		55
682116.3	762703.6	937257.9	684361.9	934399.6	264378.1	[1004][M] <sup>+</sup>	305
365336.9	437490.3	473207	437112.8	315028	329901.5	[1408][M] <sup>2+</sup> [M+Na+K] <sup>2+</sup>	23
723160.9	1380088	3057526	686069.5	729470.6	103725.3		9
1714071	3156411	1867260	1645139	3027777	1649472	[3M+Na+K] <sup>+</sup>	93
966843.2	1232663	652838.8	361434.1	572899.9	848325.6	[M+K+NaCl] <sup>+</sup>	5
5344306	3078877	5592600	3213278	3340293	2920148		347
33564440	44313648	16807051	23130559	17889148	27757004		61
9865700	5248992	8459772	9231959	5003769	5663309		2
304966.2	164460.6	340299.5	247299.3	190548.7	199860.6		61
1965101	2599452	1896830	885353.9	1090371	1724770		4
1458275	1594421	2128135	1194347	1006255	841536		9
6967564	7586780	3799961	5774190	8722474	5212667		2
730661.7	764992.2	723433.4	1673309	728684.6	532207.3	[M+H-H <sub>2</sub> O] <sup>+</sup>	38
5752518	9175459	6798129	4917716	8189828	13096848		21
192690.8	72303.49	518723.9	464317	521996.5	783570.6		7
2568312	3527828	2052108	2613237	2056028	1333503		29
2131346	2982996	2097019	2191061	2146174	3495951		325
2651516	499589.5	3626873	3556192	344440.9	548031.2		9
36016331	2109957	1719245	34662633	2784885	20732486	[439][M+1] <sup>2+</sup>	2
4730782	3628823	3766514	4717942	4399681	4841426	[3M+2Na+I] <sup>+</sup>	382
4316905	8389657	2915849	4463451	3481208	4088970		468
7523980	11418697	8930654	8143333	15276752	6814520		1
4076247	4625029	2781467	4300585	3609428	1500385	[3M+H+K] <sup>2+</sup>	29
3961323	1608329	4589367	2975292	5448089	1747243	[1187][M+2] <sup>2+</sup>	2
436345.8	318257.8	344694.8	553585.6	148763.1	184050.9	[1094][M+1] <sup>+</sup>	16
1535204	4382073	7202135	1170759	2066783	2544887		9
10715654	5723706	6773266	13947959	7024514	1137323	[M+H-CH <sub>2</sub> ] <sup>+</sup>	13
681768.7	5949852	5718560	5665039	5807768	5966742		293
875461.2	997625.3	772763	894696.9	1246299	1046779		9
1357524	1498854	1934667	1358118	1439727	984902.6		4
656282.2	1880127	863369.1	724386.9	994055.6	1521389	[M+H] <sup>+</sup> 600	81



647228.8	341023.5	481872	420411.8	701051.4	83635.79		91
1391183	1570944	1012439	1648810	860974.2	4634888	[3M+2Na+I	15
325816	147046.2	639222	486138.5	1092271	1349743	[M+Na+2K·	8
16722108	19309744	21837190	12028151	11738739	9800649	[167][M+1]3+	18
1879383	2060523	2172854	1866600	1823440	1193853		4
4688568	5071601	4994638	3522031	4209752	2273370		9
5196991	8540883	2142790	1816094	5093641	4664752	[M+H+Na]z	15
4.26E+08	4.81E+08	4.73E+08	3.24E+08	4.93E+08	5.91E+08	[1180][M]+	17
2161959	2956368	2197192	1380351	1541491	3518045	[893][M+1]+	116
4507410	4032641	5555429	4250079	2924658	4189006		372
34682161	51693992	52300048	31720745	30118939	35617704	[M+H]+ 38:	18
609324.5	48084.09	783220.7	890507.4	1063892	1915512		8
58004175	72028441	28364460	40100621	28349620	44159651	[646][M]+	125
422042	940011.9	850952.3	348951.6	822786.1	698260.9		118
1555510	3668872	4004083	1086915	2110371	2682633	[513][M]2+	9
57429111	69875545	53450244	43145390	48995216	71999618	[989][M]+ [M+Na]+ 5:	116
1486228	3533683	4284942	6290933	2874165	3382564		272
6578248	6806283	6120834	6251673	7482288	9285171		418
15058522	10416074	4474448	13431894	16966424	26222762	[M+H]+ 50:	11
525535.6	853749.7	704577.1	992537.2	381591.9	930556.7	[1068][M+1]2+	9
38225558	29238696	30698777	34971977	27330949	11568259		2
642911.7	269195.6	1467719	936112	684609.2	2364697		9
4943047	8894632	5026307	3433432	2727430	3548200		295
1987854	1980764	467560.9	2024533	1959457	2672246		385
943030.1	1491082	1263270	759432.6	980497.3	391964.9		9
7700354	7858454	4611101	7470947	5486694	6545116		13
3701678	1147168	3055146	3938990	1633515	114565.2		2
13560281	18270577	11185641	10500145	15277491	17310693		2
3924307	11974167	12654158	5394982	3422104	4606725	[M+K]+ 25:	41
1864327	3642926	4094153	1690127	2251558	2252820	[3M+2K-H]	8
7022985	9697150	6459926	6079597	6946878	14520071		2
1585215	0	1436032	1908892	2020491	2477129	[M+K]+ 72:	13
15529680	12329700	10817335	12803566	14874655	19242365		2
3166515	5848485	4126543	4705149	6425139	1110501		2
12320450	17180711	6139907	7604854	5771387	9249662		137

280064.3	325908.6	232538.2	529362.3	279054.5	171834.4		100
1353116	2298965	3006421	931759.7	1429800	1018918	[178][M+1]2+	9
432052.4	289015.9	284387.2	396437.7	184197.3	673871.5		81
564426.4	924510.5	556107.8	719776.7	344290.4	488587.5	[M+H]+ 40	342
2745094	3167871	2798107	1567503	2345605	6005717		355
2218048	1312697	691513.4	2228635	3198460	1035699		455
424922.3	820725.3	641949.1	423909.3	496706.4	0		9
19743910	29383187	15636887	12174798	13070787	15917544	[958][M+1]+	101
1574071	2055635	1346674	784953.9	1536067	1748351		4
1715946	164027.4	664981.5	969141.9	899996.2	0		1
2466988	1877974	3482219	8439255	4135635	2622305	[1505][M]+	308
476618.7	829169	894779.6	436400.1	570393.7	350380.9		8
19751910	25225914	23647443	15839186	15635808	18794576		4
989471.4	37834192	798821.2	2304048	1419414	11303851	[M+K]+ 19	3
1552112	563802.2	636910.1	1053364	806347.2	538689		20
1824607	4748673	1883893	1333682	1811891	0		2
9560245	12302243	2209632	6722747	14507019	7258754	[M+H-C2H4	21
1127263	1641801	1469487	937797	1086113	2429551		4
39684022	14635250	7772258	64919233	13249348	9200370	[M+H]+ 25	12
29117927	40978114	55262615	23508268	28393779	11945256		9
2274147	4073697	2851937	1314088	2666675	4037260		9
160103.9	129273.2	906097.8	675122.2	604985.2	528443.1		72
857690.5	601094.6	217610.2	512573.4	210331.4	376896.7		309
5300877	6031371	4265836	5148593	2001728	2283123	[M+H]+ 48	97
2319370	2751980	1567226	2349764	877019.8	3779206	[1182][M+1]+	38
565362.3	928336.6	737294.8	584495.1	799992.3	1098726		8
542155.8	2114548	647668.6	403677.3	2291238	4020478		2
3587718	3504210	331860.4	3508411	6309652	3394446		3
2742065	3657754	5205947	2035245	2300554	658952.3		9
7448384	11074342	52138395	6345926	79423179	16395132		13
11149578	11068620	7321080	30555694	365523.6	6319643		79
4609246	8147073	4844625	2638780	5843263	4109648		9
13546710	11436759	3458727	14458716	13846632	13590883	[3M+3Na+]	3
21939112	18912504	20174918	22599867	24471057	12896443		2
2491909	3412190	2603178	1817101	2630414	624834.2		9

4333810	5691551	4641586	4172533	6251255	4493855		9
6290288	6128937	7237436	5402382	6571709	1293371		9
1027375	474428.2	1458293	1101865	672491.8	212811.2		4
6474888	6460421	6514010	5245091	8678645	6051939	[3M+2Na]2	199
506362.3	241025	566747.5	947731.5	632569	566648	[M+H+CF3O]	35
50042012	66834007	99901128	45204863	46203919	33600052		80
1084175	977894.8	551057.6	4491333	1135913	172112.5		142
403373.8	368589.2	1009609	862724.3	284936.5	156162.3	[M+H-H2O]	51
3050561	3618579	4984533	3306834	2593513	165858.6		9
1750119	2625403	2005341	1751709	1900764	4444502		9
1832480	3156734	4822517	5622125	3795297	3427589		2
688115.9	2448084	576909.3	452667.5	1164489	757234.1		475
1163825	1333590	224023.6	1554939	1096648	3915013	[M+Na+3K]	21
1729834	2162451	1767632	908333.1	1989931	3082682		4
3289452	4281835	3267165	2355113	3442705	5519341		4
3047973	2807638	3806130	2363109	2516100	1468411		9
26192330	32782727	30762052	21451680	25369883	19815449	[961][M]+	9
686313.1	1170269	1326037	878311.9	706094.8	690878.2		9
4135391	4188823	5558318	4126282	5037717	2597130	[64][M]2+	17
901619.4	1559367	1122519	827603.9	1509850	542961.2		1
250990.9	295476.6	257448.5	460007.3	184250.2	104420.4	[3M+2K-H]	86
1641552	1978441	1972662	1429590	1611404	1105303		4
18340990	1.02E+10	9.99E+09	13359203	11799396	4.69E+09	[663][M]+	4
1.34E+08	1.1E+08	1.34E+08	1.3E+08	99050941	1.07E+08	[73][M]+	61
1491111	2325688	1981595	984948	1790072	2142378	[1063][M+1]3+	9
1390766	1552368	516519.2	2561198	758955.3	3527235		342
4041420	3106713	5797648	2800178	2277046	1028539		1
5714650	4740205	4179915	4471412	4400773	4150232		419
12139872	16499032	9401784	15019019	13860518	11315906		15
805615.1	496190.5	587945.5	305569.3	658278.2	119205.8		91
2034608	1264254	746789.8	2819559	1242904	0		2
15222672	20973141	23272178	17396073	13369381	27302562	[1125][M]+	89
503117.2	556804.1	443206.7	450221.7	498940.7	450885.3	[369][M+1]+	240
8533835	8345490	8475105	8216310	9338913	5395761		295
10435414	13228289	8582061	8709958	10421159	13708475	[M+Na]+ 4I	15

943064.9	2042339	1506298	1050250	1768648	808057.7		9
4800328	8485835	7862463	7148053	5753503	5293042	[672][M]2+	18
14918152	18569943	13889646	10505042	12231332	19742991	[989][M+1]+	116
383756	575057.9	657181	320434.1	390970.6	211850.7		9
935029.6	628599.4	279533	518068.2	688816	161900.2		4
5816906	5016810	5766115	3148631	5814889	8160016		314
1096801	1208230	1386584	942460.7	991546.7	543625.4		4
1853314	900241.3	4294415	1413602	4674534	1647923		29
855737	1964316	1138490	850281.4	1472599	2233823		4
2337985	2801769	857511	465033.4	1927989	408899		4
1347555	2288630	1281605	1205783	1308940	2786991		13
1207563	3094603	913914.9	807284	1830875	3421551		4
897035.2	1292416	1115209	564196.1	754197.6	267508.2		8
4522731	5556714	6485414	4039765	4344167	2628741		35
2014775	3209937	2978907	1311408	2089553	1878234		9
515361	509980.6	614311	529546.4	588602	173992.6		4
4450620	1262941	1262172	2339915	3402627	3952813		1
482748.8	718270.9	186209.4	438643	1294791	926932.4	[181][M+1]+	218
7594460	5849186	9331171	9110953	7847930	4924289	[1308][M]+	275
788204	545299.8	1215699	1302199	594901.5	290226.9	[1487][M]+	495
518905	333607.8	586741.3	3471528	347362.1	3013700		4
122572.9	290565.1	160091.9	432697.7	311339	186900.7	[M+K]+ 230	28
1172649	629141.7	189304.6	230811.9	780557.9	1649024	[M+2Na-H]	41
12794740	18477966	13567233	8595284	12464710	24372338		4
1492332	1209768	4868334	594712.7	1099395	1955505	[M+2H]2+	15
1728503	15298687	13415587	10786152	8900032	8341761	[37][M]+	1
986509.5	1492713	1404522	691150.6	989953.5	354345.9	[M+Na]+ 3:	8
5794175	3786221	4787563	5390112	4346060	5085768		2
17026014	11494801	12259416	16546804	6016586	5647909	[1209][M]+	57
1658319	3646633	3346385	1435771	1511655	894538.3		9
1657767	6133382	6771918	10046749	7485147	18641410	[M+K]+ 45:	11
568722	3822382	7806136	717899.8	494555.7	1599678	[520][M+1]2+	52
1280154	2447817	1240699	894750	1581594	3458236		1
12199306	8979110	7141537	15550231	10337539	9423582	[1060][M+2]+	1
3238620	345961.2	3094411	2051939	3115163	3444688		14

14919786	18326422	14046542	13171652	17070954	20399841	[1369][M+1]+	2
512022.5	799348.3	1260857	459507.9	482949.3	174072.4		9
1086597	1433897	2839086	906849	858637.2	473768.3		9
4708470	8974513	4062500	4753130	4585987	3145375		458
996456.6	1857317	886363.9	959577.1	712032	1143723		206
575345.6	2615535	732340.4	437523.4	355513	719671.2		32
6329667	6573352	8077800	12797789	3441274	3715004		87
4662943	2756813	3720384	3879425	2322845	10214277		2
3289821	7191223	2311036	7605407	6891055	5120769		2
3060834	3376916	3364543	5550397	4219572	3683380		434
3006449	1985449	1772779	3901461	3218894	1337819	[M+Na+NH	14
896599.3	1341513	540769.8	392699.7	995079.5	881844.6	[M+K]+ 32:	8
27666789	40424296	54323330	22244169	27456434	11217755		9
7114213	6616665	6482204	6224328	5154691	10422161		2
1334335	1190653	1243431	213732.2	1132264	181489.7	[1111][M+2]+	150
1027841	1625703	1748730	850788.5	1034454	604974.7	[M+K]+ 43:	13
4185350	5717986	2728225	1146829	4124262	2825170		9
7982306	21537952	22861254	5802107	11060130	19447051		9
4245545	1212859	3171399	3118211	5036332	1208919	[768][M+2]+	49
18536809	50185417	16400835	11998708	27403269	50517725	[M+H-CH4]	3
48276997	1.03E+08	2908203	1094154	295301.2	817114	[129][M]2+ [M+2H]2+	16
2360895	3567139	2633512	1628739	2846869	3846374		9
1762467	3400528	482088.8	2441709	5262100	3198758		21
11010755	17829522	33696765	8866796	15341534	3611968		175
9227768	6794233	6582248	5248799	6745281	6477533		230
2.18E+08	2.35E+08	2.1E+08	1.33E+08	2.06E+08	2.55E+08	[1304][M+1]+	51
370960.6	583673.1	608059.8	494011.8	259585.9	529420.7	[1602][M+1]+	121
963586	11079778	2899722	9458582	4757578	13622156	[M+H-C6H:	11
30552.38	897124.8	1127079	17768.78	832036.6	535361.7	[M+H]+ 54!	18
5796420	6839672	4442372	5935409	3740668	4097056	[214][M]+	124
733841.2	1559941	1344137	671560.1	1026255	1427160		42
4905248	5069249	1149917	3889453	5242215	8390154	[M+H]+ 41!	356
3985677	4270486	5990591	3046066	2954866	1653026		9
2199317	1890391	783520.4	1544410	1202028	1982724		1
0	696163.8	826479.1	260869.3	384934.2	599026.5		9

8700681	2656074	1207763	1071131	667601.3	3883901		9
3308505	3570352	4728386	4323400	1842184	328334.9		2
666797.2	697551.9	910929.9	969510.5	43507.93	493798.2		218
2443458	1273037	2473192	1836868	3434337	1410779		2
16504976	23226985	20510959	15069159	17154542	11941085	[M+H] <sup>+</sup> 430	38
3721404	5184278	4757159	4433870	4462658	2404876	[154][M] <sup>+</sup> [M+H+HCC	288
4224514	10029473	3655332	1694533	8193065	8925653	[M+Na+NH	3
2342470	10860911	4245312	4021466	7852215	4160263	[919][M] <sup>+</sup>	1
6502277	2765253	6206824	7882131	2724569	0		2
32146380	29153217	31543625	32321639	35837691	17803897		2
881710	846679.6	1164568	791932.5	923657.3	251008.8	[710][M+1] <sup>+</sup>	4
744554.7	715928.6	4917812	3467642	821230.2	334835.7		4
638063.2	350852.3	993036.6	756531.3	680671.4	82197.36	[1474][M+1] <sup>+</sup>	62
1.51E+10	2.25E+10	1.51E+10	1.49E+10	1.45E+10	2.24E+10	[855][M] <sup>+</sup> [M+Na] <sup>+</sup> 4!	3
2265894	3312214	414525.8	1644776	3424229	1145236	[M+Na] <sup>+</sup> 2!	3
10902025	16940042	12450807	7615389	12771399	18259328		9
238624.9	428016	299453.8	0	398490	877614.1	[M+K+NH3	5
5478827	5777295	4438354	5776571	3654678	3809041	[M+Na] <sup>+</sup> 3!	18
6263275	13455410	7873843	2191225	16756315	11179085	[M+H] <sup>+</sup> 20!	6
4582296	10769396	9906965	3270577	6152124	10081108		9
4521870	6013655	3928465	4324564	3959191	4930932	[1075][M] <sup>+</sup> [M+K] <sup>+</sup> 56!	58
3953438	424079.9	1570952	6420858	135287.5	402320.3		273
2061431	4624436	8210372	2337931	2859543	2088851	[1456][M+1] <sup>+</sup>	9
1.82E+08	1922442	2.1E+08	3.78E+08	1.84E+08	1.26E+08		20
2783451	1037358	94441.16	1030046	2466707	2788364	[3M+2H] <sup>2+</sup>	21
24585379	16013391	10848737	22604661	10909243	6981143	[280][M] <sup>+</sup>	219
6307558	4259988	6808392	7504987	6199946	3634921	[1128][M+1] <sup>+</sup>	196
2774247	1013411	1316979	1187030	1503166	318501.7	[M+K] <sup>+</sup> 38!	15
789048.1	1003650	1247070	804904.4	968438.3	259871.8	[1010][M+1] <sup>+</sup>	16
3247662	2043127	1733315	1645461	3248088	686154.3		1
5614130	6303613	3539240	5501652	5109718	3006667		208
46165453	56144977	71872133	48447873	48847271	35700177		9
1217789	3373461	138350.1	983721.9	1102843	2147813	[M+K] <sup>+</sup> 27!	11
704858.6	497240.3	613475.4	621848.7	460310.2	611250.3	[1430][M+2] <sup>+</sup>	38
19320546	14335597	6084166	17734133	8719749	2749461		1

6204697	952959.9	14995020	4667894	7584493	10486479		9
4497055	6090349	2540379	1065965	5168278	2887349		1
1351353	2868074	3431696	3215145	6242640	1028695		1
4503641	5192314	4170998	6988281	8126245	4325999		2
5.11E+08	5.38E+08	4.18E+08	4.66E+08	5.35E+08	5.33E+08	[1309][M+1]+	2
26948248	16610374	29650681	32649197	25529752	14177812	[1227][M]+ [M+H+NH3	185
824480.3	732906.1	1095171	903538.3	962733.8	626977.8		186
1801134	1679560	1255125	960554	1318223	876170		4
13863280	5502987	6971171	13758548	9824963	401307.1	[3M+2K]2+	14
1254002	1045205	1938216	927975.4	1262655	4357129		2
619783.1	857915.9	749012.6	253783.1	614123	1255364	[601][M]2+ [M+H+Na]2	232
4881520	8312397	8207705	4605589	7460087	9309937	[3M+2K]2+	121
24517557	6918890	11654588	26411480	6642572	4868531	[3M+2H]2+	3
11545408	11072625	8077742	7669023	8356164	8530309	[M+H-CH2]	29
4558234	4630550	5258061	3694760	4069299	2648528		43
65754.57	149240	441596.8	56037.19	179692.6	278177		39
1646634	5743277	4443157	3066857	1351947	806336.8	[M+H-CO2]	93
895027.5	1911649	2937726	715664.4	989680.3	1050287		9
3282850	2250375	1940565	2607235	3702997	217905.1		1
2661355	3053481	2972206	2179836	2620201	1996573	[568][M+1]+	25
0	570017.2	643030.7	133762.1	274422	222033	[3M+Na]+	39
559859.7	544591.7	572522.4	314319.1	829961.9	443894	[648][M+1]3+	4
349779.1	301561.7	223433.2	285799.4	286785.6	203644.3	[1031][M+1]+	136
6895694	8698141	6869074	2882573	7910375	15028004		2
286238.4	267401.3	573611.5	285008.9	60883.62	223912.5	[105][M+1]+	157
3087754	3044930	5131439	13720349	4292688	757407.5		1
1980647	3140816	2304486	667582.2	1557137	776192.7		4
291181.9	263390.5	162017.1	177515.5	170125.9	353449.2	[1188][M+1]+	17
5960972	5276774	5576729	5657851	5285373	5822062	[228][M]2+	9
1839031	3904530	3293036	1223752	2346250	3471450		9
526844.8	560678.4	4774649	3750534	849277.2	1426538	[3M+Na+2I	8
1.3E+08	92303205	65124374	1.54E+08	89986197	1.3E+08		19
2252115	3167099	1975300	2211494	1925967	468682.9		93
1288128	1658827	1324355	1184888	982942.7	1873034	[402][M+1]+	72
4041920	2998506	2917251	2044937	2441871	152761.8	[1599][M]+ [2M+H]+ 6	169

26878470	50330006	52386936	21893505	30343210	24126881	[179][M]+	9
20569381	35208314	37665071	16075690	23584026	16351681		9
4233690	4375226	4317000	3298151	3573084	2867553		4
2466929	1987054	2165532	1745222	1969688	924810.4		4
2077072	4455146	4068271	23685325	3266880	45801771		3
1119342	1310106	1398372	947971.7	904774.8	533977		4
1361746	1661345	1606762	1289478	1459625	0		9
2524082	1962802	2365854	2765110	1461825	456496.4	[383][M+1]+	204
10168566	22960989	27959911	11460577	8203232	23151035	[3M+Na]+ :	20
5218865	3384597	11387248	5452108	4281169	4724061	[829][M]+ [M+H]+ 46!	288
16865828	27085220	15031863	10754096	11952233	14107449	[1043][M+1]+	101
1951428	6794107	9893160	1314800	1496118	3235974	[M+H-CH3]	20
28309789	21902102	6167316	14569979	38965353	30619595	[M+K+HCO	3
699305.2	1337912	2185587	1072991	406456.1	1448702		9
4667121	3181077	5529143	4638181	5001411	3997618		402
1473128	1154217	1041273	648756.8	822676.3	356535		77
1.31E+08	1.74E+08	2.09E+08	1.25E+08	1.35E+08	88672126	[610][M+2]+	9
1884192	2126890	1937094	1069796	1232800	1481455		4
193616	177022	266816.4	160628.1	172460.4	101244.5	[M+K]+ 57!	43
3662384	1837693	4575149	5065263	2119102	1848408	[250][M+1]+	171
1746852	1711584	1437407	1174567	1452232	771311.7		4
409400.8	1019744	370110	648854.2	893055.8	2799839		9
8214632	5517981	6142018	5906132	12796432	15710243		2
2072214	3223084	3148336	1011254	3735804	1979147	[1583][M+1]+	12
7033837	16896502	4863602	5368561	11250970	25828493	[M+K+NH3	15
9924342	1095793	1392044	13304524	4250339	661551		9
5135361	3856249	4893898	6421534	8893855	5471246		293
743419.4	1088296	1390073	6229475	4262090	2291327		11
1035382	1689115	1778768	1678871	691907.4	1458972		57
1111313	358806.5	1270802	181943.9	806357.8	0	[1568][M+1]+	109
7331223	5796546	51429656	3604175	6544195	53488539		1
5682024	5395829	9539072	5364684	5366105	1784093		451
789512	930598.7	509740.9	697275.3	922852.7	1893858		4
1448257	904830.5	2058812	3505376	1430180	1099662	[1505][M+1]+	308
1099275	2239998	15539903	1402805	1333552	1417624		1



2789074	1045535	2605492	2926121	2146351	6345336		2
5964552	9530878	5336412	4291078	4368397	5083786	[1013][M]+ [M+H]+ 55	101
1135090	987293.7	953070.1	750160.2	732193.7	1277159		9
2128989	4035027	5975577	1736934	1719183	968751.5		9
2732950	2063920	3026692	2309627	2882750	1598137	[M+H-C5H8]	5
2725828	4446583	2586864	5512724	4465509	4748676		2
440145.7	1536941	2656806	261652.3	563567.4	986399.1		9
3512875	8334971	10756292	2613000	2199828	5302301		41
801933.1	2167155	2683347	2825630	2016143	2346963	[359][M+5]3+	2
497618.7	302015.7	386601.2	420450.4	389201.2	144639.6		176
1238713	1346678	1506801	707486.4	803098.8	722626.7		4
704201.8	0	2993449	651510.6	1152076	959881.1		9
7318183	9971950	17382722	6843976	16272666	13131986	[1243][M+1]2+	2
1.9E+08	2.05E+08	1.55E+08	1.86E+08	2.37E+08	2.45E+08	[460][M]2+	2
3975200	3608098	734602.7	2871141	6012716	6975555	[M+2H-CH3]	3
749261.9	507321.5	429181.6	495119.6	1046299	276619.2	[M+Na]+ 4!	209
3643303	6060673	3860197	5434156	768931.3	3420360		279
1006751	962131.8	177344.4	1027864	1440584	869142.5	[M+K+HCO]	21
4946476	7489426	12760173	9353430	4047244	5792852		1
392375.7	791997.5	436846.5	344283.2	95713.03	1044927		4
622663	1054527	1232627	383246.2	682007.2	335693.8	[967][M+1]+	9
786490	172532.4	1566020	105187.4	152269.9	0		1
3129733	6133973	4298793	2961745	2082746	3055901		5
2905611	4023317	3847386	3649318	3778965	3323896	[M+K+HCO]	425
3782229	2722388	4191014	2391949	10335511	10501666		1
780471.1	1324875	1950565	700249	811530.9	576403.5	[952][M+1]+	9
9369463	39726360	7586261	9074331	8511200	13780125		21
4342467	2935981	3948403	3728308	4093746	5751315		325
4574491	1750042	4325095	4470485	1897315	1535541	[407][M]3+	2
1339257	855832.8	922584.4	860607.8	609932.3	838132.2		9
4849207	5438506	6264480	5766839	5754685	5435276		405
3254381	1388189	2941705	2020133	2614836	15503.49	[1359][M+1]+	150
35087193	22874854	2928313	25235895	22524521	22887893	[M+H+NH3]	21
1212278	1593508	2774199	878288.2	1171093	1851051		13
301271.7	375723.9	512449.8	280798.1	437279.9	540878.2		42

4424830	4050186	5011120	3696052	4012845	665351	[M+Na+NH	13
3335067	3382771	3547078	4533294	3863053	3147499	[M+2K]2+	83
7310743	8095864	4877504	6104573	7513760	3030365		2
9977612	12842263	8841535	5772331	8925692	16855998	[1419][M]+ [M+Na]+ 7	232
911290.2	707882.9	1079827	484006.1	718198.2	2273226		4
12565008	14715345	11020632	10442509	14220796	15440540		13
1.1E+08	81302249	70225334	94386132	62105176	74489419	[229][M]+	108
36123503	38953534	44190521	31528135	33923924	22158353	[1109][M+1]+	76
1956655	1366555	690806.3	466984.5	478090.5	1678084		4
3758663	5125230	6978931	3347521	4281856	1404171		9
1008986	1311269	1190154	1047108	1010314	448057.3		4
1988417	703973.7	1492669	1284537	1491656	15601.35	[1409][M]+	109
2990627	4799703	1725308	962444.6	2836240	1915214		4
2642288	5323226	7046002	1943851	3411570	2953020		9
4805070	5510791	5641849	4100973	4226762	5455605	[1618][M+3]2+	2
8587149	14505754	15782272	6715090	9441246	6862864	[344][M+1]2+	9
1126935	1385253	861712.6	1333597	1035616	1085761	[1098][M]2+	366
5026594	5032578	5368748	6119477	4897129	4608628		221
1501703	1616167	2471079	1258974	1025567	0		9
859496.5	1103661	1216823	361009.8	1061729	637005.1		121
12816843	7451499	1956750	7406731	16241453	5535970		15
1054052	1121940	1073265	451582.3	626422.1	318900.8		9
3136613	3215388	451946.5	3713357	5020309	3058104		442
7757847	11330873	8085064	6362870	12189351	7963591	[M+H+K]2+	15
3662026	2100314	2930505	2042562	2282328	75372.87		68
4406894	2822577	4020281	2967691	2289899	4304420		2
3298412	5101465	2970775	2074261	2277544	2874426	[1396][M+1]+	101
10806000	14396263	10894137	7627778	11241798	17938346	[551][M]+	4
4529548	3407282	4181319	25315870	3277058	21499041		93
1060813	2788092	87242.69	1060996	987249.9	1265098		41
894303.8	1065837	2050487	801245.3	759111.1	1098324		9
5883258	1412904	499367.8	3636488	1851019	823332.3		52
1113471	884075	677188.5	721095.9	932395.7	1841914	[300][M]2+	227
1194138	2825691	2917364	781567.3	1293609	2404773		9
7350591	2268700	3444213	6141428	4170614	2316333	[1193][M+1]+	2

11855238	16158991	22000749	9125953	10226219	3546740		9
2760333	4458803	1876514	1161210	1815994	2788762		4
1466893	1747902	1037023	867728.9	995034.8	793235.9		4
28353895	17212381	4401359	57003400	4411008	1020151		155
1833886	2164390	2262388	1366076	1902585	1865294		9
462275.5	829802	624669.9	569199.1	709599.8	114638.8		4
302152.6	223122.2	333278.6	295058.5	270152.2	48407.82	[332][M+1]3+	55
481872.4	1670528	2336679	960106.2	715264.7	1173806		9
255179.9	1949031	3251653	0	1457061	555527.7		1
1369216	2598692	2064261	2539477	1779418	3261031	[1367][M+1]2+	2
7612378	14171417	16510298	6323134	7948778	5738760		9
3845268	8025203	5523863	1090424	4749570	4247109		226
3661533	4130371	4480477	2452441	4573368	3878686	[1377][M]+ [M+Na]+ 70	42
25731598	41483284	57957380	18074369	38026493	13074233	[1337][M]+	139
3794933	4843395	3415444	2289920	3334294	6185290	[1419][M+1]+	232
546629.6	795636.3	978923.6	942622.2	450255.9	1202230	[M+Na]+ 8:	16
5704419	4850617	5396188	4314707	5752643	6128243	[413][M]2+	9
1586899	2312593	1856900	1307416	1933744	1345282		9
1050848	3683070	364080.9	2571005	781115.1	824422.9		291
20811549	35306442	37828996	16529611	23880790	16702733		9
20418062	35549575	37371029	15790221	23688085	16629561	[346][M]3+	9
8897660	5941863	3859791	6112236	7721540	3051662		14
3761348	8691308	8232108	2725977	5384645	8188747		9
3067029	3615440	4079091	4287561	3667825	680352.8		9
3181578	1617660	3084812	4125127	1422033	0	[459][M+1]+	2
25888083	32820892	30722082	21193330	25483281	19762735		9
854588.6	1490939	1971408	810910.7	1032342	850760.9		9
2158341	0	1840188	2055581	619177.8	4629641		2
1760603	2665264	3811018	1298298	1810673	677966.9		9
1.08E+09	1.92E+09	1.47E+09	9.59E+08	1.15E+09	1.39E+09	[863][M]+	1
2542424	706925.4	4388226	2478013	2985017	604718.2	[M+Na+NH	46
787972.8	1484004	1302880	888832.2	729542.8	405504.5	[3M+2H]2+	5
1516063	606233.2	2506096	1228177	755478.3	730469.3		1
904062.3	451384.8	635803.8	442176	594501.7	52524.32		105
1751450	681279.5	1475925	1488107	1328146	34665.98		4

4548602	6213370	8731874	4225044	4551833	1188985		9
1262110	650917.6	1419898	1523346	1231837	1329940		275
31551717	50906686	40672561	31598150	34912839	53260577		15
65147398	1.29E+08	1.28E+08	56404872	60323869	70549359	[284][M]2+ [3M+H+Na	20
1652080	1372841	246304.6	944084.2	1394483	2328828		158
32032071	51432248	41224598	32852998	35292596	53376254		1
1495118	561083	497273.2	772235.4	2802585	398142	[1265][M+1]+	301
4850079	5549872	3880319	4867501	6239531	7514864	[M+Na]+ 1	14
4850416	5280499	4350731	3784254	3931443	3646918	[M+K]+ 44	404
566178.5	1496944	2042526	596237.3	856405.2	390690.2		8
346313.3	356450	426829.1	420887.5	225070.8	465166.3		65
1076350	709758.3	1134795	707791.7	1275992	1895153		33
1240440	1618342	1085954	461218.1	899623	1386622		4
2297012	1202491	1600306	2725957	1527281	4533701	[2M+2Na+I	134
283465.1	330344.9	430822.8	513004.8	243254.3	574549.2	[M+H-C6H:	16
66844.46	403493.3	142729.9	387448.8	424792.8	144809.1	[2M+H+Na	77
597431.4	74637445	1269288	796273.5	79080531	1983528		1
408612.5	38733.65	608488.2	713161.5	307704.3	558082.8	[M+Na]+ 4	8
551000.4	400988.8	237738.1	410059.8	521382	362269.2		313
28028719	41863378	54602424	22721319	28071403	11604848		9
14772226	19082622	15855631	10467192	14532926	16645135	[786][M]+	4
8079440	8408065	6978674	7063103	10858945	9838515		2
6470848	4888167	6070544	11325208	6391720	3920753		321
38437939	29177141	29785824	35172665	27872329	10993998		2
10187563	26828830	13137171	7413219	16077553	25552846		1
1193189	1397007	1414533	1073437	2780583	2078382		371
2669010	1867512	2195929	2602359	1546260	5918074		2
766976.7	2260195	4070528	687122.6	1326877	887663.6	[946][M+1]+	20
2427124	750023.2	1612623	2338604	1964663	0		13
494053.4	1957344	521525.1	1437706	1497745	665169	[M+Na]+ 4	5
1885551	467123.8	1751956	989082.6	1422499	4846016		2
3609133	3443698	819905.6	3175615	869459.1	2607836	[105][M]+	157
1405187	3202922	497188.4	1268119	2166063	2345823		1
2442010	5528953	4043875	6227635	3225559	8204451		314
2952434	4811243	3434569	1475426	3206490	5838842		4

308612.8	397737.5	255092	394360.9	142935.1	468643.1	[M+Na+CF:	23
3191097	4395783	3805106	926279.6	3556771	4142036		347
787258.6	1086241	741924.3	493779.5	741016.7	1011087	[M+H]+ 43'	8
1464049	2943162	1832976	948688.4	1843450	4689493		9
393406	582208.3	448782.7	507832	490521.1	586225.1	[3M+2Na]2	42
680636.3	1076447	700545.8	430776.2	916389	997073		9
2413291	3148486	2303317	1261663	2198271	2451201		4
1732557	373714.6	110908.5	658551.6	1652446	1077038		1
13851337	15563697	14711518	13408231	13788926	10909576	[196][M]+	25
5064737	5355476	3666896	4437824	5781420	4388628		13
353506.6	3208738	3099784	2730647	3741550	7024807		2
13066927	12808050	18296172	12868299	15252857	2608047	[M+Na+Na	38
4478149	5114048	4172096	4162428	3848856	906810		29
17310323	21695943	29191225	19184256	11320945	12445854		1
1221310	1348335	47421.39	746873.3	725225.2	2246816	[M+2Na]2+	3
65542703	36063816	70414683	1.93E+08	91850869	38012510	[499][M]+ [M+H]+ 35'	136
1.68E+08	2.29E+08	1.87E+08	1.32E+08	1.16E+08	3.08E+08		51
44412980	3.94E+08	5034400	833775.8	84819971	812610.8	[M+K]+ 43'	20
45831220	93254737	88523344	34833817	56620186	74799506	[949][M]+ [M+Na]+ 50'	20
1431349	4916059	2175802	2039695	2654919	2228525		1
12299831	15470613	13288914	8890684	11016365	11040696		4
1369898	339311.4	779706.3	514558.3	702376.5	1050312		4
5372772	8217806	5451071	4539832	5894799	5257994		2
881269.4	1056054	786669.3	636676.4	1145829	756082.6		498
376660.1	205397.6	458060.6	511179.6	701373.9	0	[1409][M+1]+	109
4495637	3856214	4074597	4589231	4188741	1993993		2
518244.3	733306.9	790467.3	2222652	448608.1	496157.3		8
4384003	4230030	2651839	2131154	3428911	8888039	[2M+2Na+:	110
1596157	3865345	1347445	6103185	1296588	9861794		2
1.08E+09	1.92E+09	1.48E+09	9.62E+08	1.15E+09	1.4E+09	[852][M]+	1
10000516	11708005	12312933	8045435	8978478	7717640		4
2653156	6427659	16722189	1401690	1984032	6528132	[877][M+1]+	41
3180659	4331755	5737449	2929744	3587443	1159108	[357][M]3+	9
680479.8	1621364	1292853	696876.4	889614.1	791662.2		4
3726013	194465.3	1787265	2423593	1934000	2432641	[627][M]2+	15

395084.3	200967.9	862860.1	527289.7	903870.8	408231.3		89
5839999	7025558	7347070	3752829	5991983	2567961		9
1.31E+08	1.87E+08	1.33E+08	81366226	1.25E+08	2.3E+08		111
1799843	2483329	1850404	2185424	1511564	3061455	[M+Na+K]2	35
8749935	9779080	13867724	7532160	7298384	2497324		9
149672.5	126571.9	297226.1	109540.5	237525.2	209987.8	[M+K]+ 618	43
2094738	1392053	1452381	2102433	1440516	628300.5	[723][M]+	336
1419951	1048221	1287505	1383197	1978978	239581.3	[M+Na]+ 90	29
3485614	779160.5	3491488	2527661	3561007	9416942		2
5811366	4714779	9231528	5207147	3575844	5136649		385
10886252	4926883	1636944	1068512	11466035	18138562	[M+K]+ 609	11
296500.9	828994	731534.6	311737.8	512087.1	586060.9		4
14241149	16868063	11120431	14294257	18407654	19263976	[424][M+1]2+	2
2602569	2532513	1392046	1894726	924870.2	5951557		1
525527.6	902003.6	454484.1	464706	869788.8	1440238	[M+K+HCO	8
1715870	2637173	2250099	1032637	1921337	2265737		4
2234686	1693264	1662054	1339272	1107384	27555.12	[1428][M+1]2+	286
8277955	14252580	15693506	6303135	9350062	6472180		9
1544130	1841804	2930945	1576139	7830244	13001251		1
3486543	3966612	5624531	3794923	3005675	861054.1		9
14342987	8949138	6720994	15912310	6935558	8149847		75
2374579	5892414	3910798	1749358	3576269	2628116		9
49483456	438829	502465.9	44735504	45944612	942015.8		4
1067216	1725847	769488	682190.2	901992.2	674466.1	[3M+Na+K]	39
1571378	2851651	1864724	2252666	4347482	5526330	[467][M+3]+	2
1226912	1581425	1536662	1058716	1600018	3120131		52
5358822	6242135	3105600	2738558	7235326	7911630		2
802797	1213387	694048.2	586111.6	1175719	1856396	[M+K+NH3	8
1292047	1196778	1484903	1229745	1349507	450790.3	[397][M+1]2+	17
1274088	3078770	1633663	2501016	2006825	3547388	[1413][M]2 [3M+2H]2+	33
1981436	2913686	2958213	1637963	1902412	3486191	[761][M]+	292
2219853	1646949	1759395	2128847	2495062	1763759	[M+H-C6H:	13
1879366	3271626	2719764	2955998	4731685	3439331	[3][M]2+	9
281976.5	409416.8	557730	375814.9	306915.1	196003.4	[3M+2Na]2	57
15642650	11187447	4770945	13937639	5124187	8425614	[206][M+1]+	103

3914928	5163903	3201728	2353776	2664025	2590162	[M+K]+ 55 <sup>+</sup>	101
3862693	4541652	2921372	5148450	7759299	5679815		2
1746137	2659479	3998308	1289823	1739191	622105.1		9
47878710	64634790	26246425	37193715	29155941	60625068	[507][M]+	122
23105799	22141239	21491504	20121345	14866380	23248301	[93][M]+	94
7149728	4837596	2739326	18565627	1368223	18848732	[62][M]+	23
3410990	3313428	3419765	7880367	1284165	3328109		379
4662992	4780133	5042522	6742760	4882439	4669042		202
237433.4	96447.11	261277.1	1154047	136283.9	218175.9	[M+H]+ 24 <sup>+</sup>	41
884638	947002	1312011	954344	603308.5	0		9
963584.1	2023453	1481877	1977644	1314590	749328.1	[562][M+1]+	12
27510010	48414970	48649111	20740498	31838717	24732356	[144][M]+	9
14618728	10653852	8901264	12581608	7838489	9444635	[35][M]+	108
6575659	4446050	1279963	4198134	7414599	4612632	[M+3H-CH <sub>3</sub> ] <sup>+</sup>	11
295305.4	755732.7	0	0	134552.3	1248335	[M+H-C2H <sub>4</sub> ] <sup>+</sup>	46
858363.8	1282432	1078710	671862.6	797558.3	1331339		4
3399163	2727593	2969197	2887937	3004201	0		2
1060893	377635.3	674091.1	818271.8	876223.2	190425.9		142
5491188	5781739	3813909	2919330	7962477	4805623		346
1.41E+08	1.43E+08	33725192	1.1E+08	51843034	99572215	[868][M]+	50
2036217	2210705	2057431	1508060	2283382	1774120	[2M+H+Na] <sup>+</sup>	44
5285784	11367588	4258211	5024041	4838182	2835954		429
851069.8	670868.4	1694390	742187.5	856979.1	0	[M+Na+2K] <sup>+</sup>	13
1638878	3582725	2951425	1562347	1877446	4432448		4
299009.1	567849.9	559567.2	282747.7	884194.1	645792.9	[M+H]+ 57 <sup>+</sup>	18
825669.2	731096.6	675610.2	362678.3	606644.8	74954.82	[235][M+1] <sup>3+</sup>	4
503370.3	1120234	1260137	287818.2	460611.5	717739.3		9
1755634	3735626	1143533	1129631	1524486	809225.4	[M+K+CF <sub>3</sub> CO] <sup>+</sup>	15
787093	1025379	1028277	600038.3	388651.2	272369.5		91
24835718	40665107	2560291	3440749	26198611	20515746	[344][M] <sup>2+</sup>	9
1800222	4474752	2019728	1257586	3214235	2862594		2
10576819	13526862	15045846	6247139	12804714	1816929	[1337][M+1] <sup>+</sup>	139
2226463	4142520	1656387	4271221	3870573	5355659		433
1367973	1708744	1314475	1432251	1332576	1126627	[503][M]+	135
890170.4	2098701	2928472	776017.3	1282152	783804.6		9

3386126	5341715	4483961	2955060	4394066	2980837		9
898086.6	1256953	416085.5	357321.1	1598883	1491933		4
10624194	10051084	10177542	10272186	9921242	10271966		373
1338594	2396709	2332362	1817900	2785196	1157214	[873][M]3+	39
15200923	14547299	20052205	12800797	14689347	7107444	[M+2H-C5H8O]	23
91601017	41943906	80868173	62709622	74400605	2466842		109
3768234	5724594	5790101	4113354	4534379	2420924	[541][M]+	4
59660774	48082167	79562213	47576181	1.06E+08	20524008		1
2219796	0	1044953	1821442	1901073	0		1
769022.8	869485.1	734985.9	662691	396231.5	521831.7	[M+Na]+ 60	16
4058638	4121975	3906301	653669.3	4114777	16689757	[M+K]+ 37%	3
593388.2	631332.3	2558343	3220264	1751771	2926177		9
1.05E+09	1.12E+09	8.82E+08	9.34E+08	1.15E+09	1.3E+09	[1205][M]+	2
27228780	28330601	27279265	29601290	33307201	22998208	[1005][M]+	2
2224110	1905922	2642329	2471664	2171595	1772714		281
13343142	6402452	10236408	5287587	7193569	1116604		280
2715784	2776788	4698232	966113.6	4645002	1525500		180
1324259	1085664	1922643	1134422	2116184	692088.2	[M+H-COCl]	6
397161.4	266999.9	384496.2	2920170	3404339	2105082	[737][M+1]+	25
2616338	2985449	2711968	3949105	4880023	739023	[465][M+1]2+	2
1723861	2961705	2350860	1161777	1916475	2529454		9
1321605	2579011	3199606	927571.5	1426598	1005628		9
3016003	3482382	3747691	2415726	2873165	2282487		4
1325786	1718566	1930680	1184283	1265440	767599.1	[134][M+1]3+	4
3.73E+08	3.5E+08	4.85E+08	2.95E+08	3.06E+08	2.68E+08	[611][M]+ [M+H]+ 38%	16
917921.4	944113.5	351855.8	397002.9	589827.9	2893569		9
13489583	30585594	19514616	22379509	23527063	8933998		1
1197164	1965721	2399208	1804137	17008354	27191420		11
12226190	15255732	13262715	8809327	10837115	11114436		4
723654.8	625249.1	3115757	942666.6	304919.6	1095556		12
35754363	53267522	43016034	24684668	34847775	59601407		4
3910408	5290367	4123052	2587705	4188639	6513089		4
402679.7	558689.9	430011.8	531842.6	498852.9	466840.2	[M+K+NaCl]	8
7332076	12913769	8804651	11013453	8334819	6242217	[M+H-NH3]	15
2611516	981475.6	843017.1	4942529	743335.1	387159.4		38



448049.2	842436.4	558842.5	496939	950507.7	907380.7		9
1815591	3586797	2063724	602666.5	2457048	7430910		14
2001200	4848888	3041520	2646469	3969214	10461377		360
1513054	1244021	2523557	860984	874969.7	2140889		1
1057725	770991.1	3216763	830301.7	1266495	2950280		157
713537.6	4297985	6967252	614448.2	5076250	4720497		411
1.55E+08	22454751	29669825	2.24E+08	82709780	8650544	[M+3K-H]2	20
270466.7	215513.8	174685.9	1486204	95014.19	1507261	[264][M+1]+	225
3336703	3683871	6052416	3181590	2585366	2316396		9
7641809	5299765	8807241	9278105	7081363	4484339	[1227][M+1]+	185
850405.5	1499564	770054.9	2344577	892981.5	2028627		4
308980.6	790944.4	807477.8	148855.8	268701.8	150350.6	[M+Na]+ 7!	20
4772674	3723623	4664290	1983848	7898798	4755516	[M+H]+ 48'	322
3107614	3630443	2616253	2186176	3146126	3663365		4
2256176	4080741	5291719	2060639	2818796	520279.7		9
522670.2	944457	702122.5	299263.8	665188	558749.4	[242][M+1]2+	9
426543.3	217404.9	408084	1366413	88978.99	347600.7	[M+H]+ 21!	220
2223175	0	2482111	2301159	1266935	0	[M+H-CH3]	13
2247079	1815020	1719812	1864225	2421843	1457106		4
938469.2	1822065	23920564	39792164	3363642	672297.2		1
430350.6	997999.8	1434085	556904.4	412390.8	102572.6		9
12111166	21427869	22405582	8925614	13858612	10709211		9
895550.7	3389314	8854985	953423.1	898628	1523602	[M+H]+ 43:	222
1569303	2478863	2159254	1466075	1842523	1353781		9
6025625	8080663	8429591	4510906	6106068	3994920		9
1079594	1694452	742169.5	477525.9	1486510	2220988		4
6788428	2876948	4524350	6961317	3149481	4945350		2
897455.3	793353.3	512045.6	663236.9	757518.8	608988.3		8
2372026	3045077	2321289	1099668	2238699	2517960		4
115098.3	195464.3	527796	128897	288511.2	265771.7	[632][M+1]+	18
545779.1	752507.3	765184.1	767911.1	360266	393660.9	[2M+Na+K]	23
1402293	3518736	1696191	756488.9	1952813	5035462		9
3919733	2630019	2637697	3716474	3146011	1343424		97
20325597	13286807	25158976	27562320	21524008	11262743	[1340][M]+ [M+H+NH3	209
117859.9	909381.5	896793.3	129325.2	533250.4	141300		9

1.22E+08	1.09E+08	89207817	1.29E+08	1.34E+08	74816607		2
645698.1	1074904	1052975	838106.5	701017.5	622959.9		4
12061831	24207626	11581742	13905332	21975762	36254227	[355][M+2] <sup>2+</sup>	2
3595435	1724240	1472418	2008765	1186215	6846772		378
337046.7	612114	350472.6	550748.1	346560.5	276017.2	[M+K+NaCl]	16
1859627	2845233	2860856	1476454	1989905	2433004		9
1680027	1071758	1569381	2033330	2728789	242838.1		2
792024.4	1371037	1142586	1203759	792292.6	1297650	[1163][M] <sup>2</sup> [M+Na+K] <sup>2</sup>	62
1974151	1422972	1083076	3525439	2364279	0		6
2574534	2254702	2161530	2119163	5108550	9578726		2
452785.4	1055637	1279334	546799.2	528198.9	632785.5		9
7161080	3158811	9015135	1644953	3110616	2924741	[M+2H-C4H <sub>8</sub> ]	13
903479.4	1705927	2610669	1367022	1094921	0		9
1396338	1462548	803949.2	514877.6	990394.1	612836		91
12693501	20705836	11531033	7831466	9239501	10782695	[1100][M+1] <sup>+</sup>	101
354872.1	672761.3	331507	181935.9	475056.6	790778.5		4
363303.3	390536.5	369796.5	294898.8	329570.8	299509.9	[M+Na] <sup>+</sup> 4!	57
439597.6	1073356	17566966	11059523	795725.4	2897616		9
22835590	32950921	16359079	14928359	14564716	18819064	[831][M] <sup>+</sup> [M+H] <sup>+</sup> 46!	101
4136230	5790767	4104163	3095497	3126600	5288378		2
1694691	1477937	2380320	4114439	735620.1	3476855		1
7145756	4975490	8396808	5979345	10862926	9724083		356
908786.3	1123613	925686.8	648557.7	957373.7	967134		4
1328217	4721825	5428626	4258431	4284235	4521515		208
838010.8	856799.1	996604.1	758745	745193.2	403651.5		65
6217451	9311563	5850657	4733279	6606833	15663612	[658][M] <sup>3+</sup>	9
448014.7	939968.9	584419.8	476456.7	707618	918500.8	[M+Na+K] <sup>2</sup>	8
2307938	2854505	2326444	1647018	2455922	3101571	[1174][M] <sup>+</sup>	23
3752725	6218356	3062511	4597313	5326371	3861872		2
1170011	1399161	1315662	994316.7	927331.5	678697		4
9494638	24958992	20324737	15943535	16466868	14267697		1
491184.8	1057146	800746.2	448436.8	785903.8	566946	[M+K] <sup>+</sup> 10!	8
3574635	3413920	4025023	4378328	8691029	4193038		316
2188510	14045225	226661	1792688	18894970	18974239		84
2.3E+08	3.07E+08	1.73E+08	2.07E+08	2.29E+08	2.39E+08	[M+K] <sup>+</sup> 41!	3

541785.5	359475.8	515469.6	197630.3	484394.8	192124.7	[987][M+1]+	55
5989099	7655771	6261903	4563049	6147387	7356972		4
1934226	1902846	1971170	1437423	1849479	1869641		9
229260.9	102226.2	139412.6	658486.1	160404.2	145792.6	[M+2Na-H]	72
1998429	3228587	2255015	2167583	3237441	1472949	[M+H]+ 52:	14
1174028	641014.2	2562648	2102694	359299.6	134822	[1600][M]+	40
602490.8	518365.4	613795.5	654618.2	543426.1	252917.2		4
2333256	3669223	5173348	3030950	1831391	2578457		9
1626928	2030084	2717055	1176861	1550163	497264.8	[240][M+1]2+	9
982118.2	1081406	1250751	928626.5	508980	1185715	[3M+H+K]2	5
647911.7	1134899	1030485	482442.9	747465.9	711860.1	[M+H]+ 31!	8
870737.7	2519277	2839744	3851060	3514417	2907009		433
121942.2	347108.4	209159.3	178212.7	240084.1	206772.7	[1400][M+1]+	299
3080238	3102413	2901219	3467671	3126802	5664550		300
5190847	5306270	6232252	4734946	4586181	3891205		4
835298.6	764047.5	833215.6	715050.2	953139.9	493881.9	[64][M+1]2+	17
2451320	2864183	3157317	1998121	2165480	1666738		4
959516.6	1300212	1158478	904520	817331.6	1617699		2
1274186	909490.5	1347919	1334690	760353	737506.5	[1039][M]+	61
816761.6	1214004	1318706	511017.6	634003.7	630858.2		4
992017.5	2204776	1470172	721616.9	1426664	2008871	[1090][M+4]3+	9
968110.2	422059.7	850402.8	972505.1	849856	681111.5		6
1342082	2269433	2574603	956767.8	1668030	1008955		9
614517.7	1653791	9700570	5188084	914798	1611176		9
10990272	10506832	9065232	9356474	8662224	13160044		2
10327777	7241982	6202259	13604309	10347216	1622004		2
5614485	7857773	8107805	4287390	5835400	3887430		9
1293812	666433.1	753330.3	800681	1090597	690014.3		29
4259984	5606637	4376783	2973945	4432930	7079959		4
319497.3	833153.8	690229	462703.3	413307.7	394374.4		23
11104679	10930755	12718654	14356628	10227108	11503623		214
11714112	19895382	20111828	8905463	13148171	11299113		9
1492280	1359885	2255909	1965276	1497801	1940442	[M+3H-HC(	14
1.36E+08	1.69E+08	1.32E+08	90113756	92128634	1.89E+08		78
836616.6	837970.9	1405396	1085729	602443.3	721672.2		9

1408167	932712	1901962	436712.3	1128140	2556049		9
19446664	44259637	37918444	13857874	26121341	43602440	[163][M]2+	9
15438407	13489069	14462884	14241512	15161533	5604230		2
416090.1	3450418	3414782	3146892	3597840	3076664	[3M+2Na]2	121
2424266	1174837	3183792	1129713	796959	3241483		9
1425621	455332.9	960032.7	1460767	1067893	16286.63		4
3144947	3111195	3567098	3097412	3162680	1783745	[190][M+2]2+	4
1870163	1450157	1410837	935112.8	1438866	3014950	[342][M+1]3+	9
1296022	2062591	2014401	1245242	1063227	1119036		4
160800	238488.4	279547.3	266823.2	142085.4	186490.2	[590][M+1]2+	166
393035.1	471804.3	698922.8	361025.6	362378.6	555140.8		283
935930	866519	1215369	844129.3	743936.2	57652.05		4
1537876	4199373	3928364	1096154	2069788	2918689		9
97164005	1.18E+08	1.49E+08	74373611	67509041	59083069		71
2.19E+08	1.78E+08	1.69E+08	2.16E+08	1.46E+08	2.16E+08	[652][M]+	63
636902.5	903763	713345.4	1178836	1100262	116433.2		9
688708.5	134968.1	9027724	1925867	1382077	949089.6		9
19054356	19279514	15765964	15007818	20832712	21901721		2
11101498	11484333	7296226	9312408	14136828	12370395		2
4184544	5446089	4683040	3196693	4375866	5729351		4
3163271	4010428	3843218	2527349	2837220	2925129		4
13363234	17404505	14857129	10048765	13404820	18261194		4
1635545	2416177	2144946	1357889	583186.5	2656256		4
774048.3	1801217	848083.5	767383	971230.6	2459088		4
464158.5	1441209	1629905	440651.1	747248.8	880603.7		9
40615712	43092639	34901680	35522495	46943601	45371250	[466][M+1]3+	2
1185035	931390.8	1971963	1011652	875026.6	240843.2		139
4936159	4691306	545944.9	4605795	4790248	7950468		21
685519.9	707826	214993.7	1112386	455622.8	1242233		81
5774440	2522926	7241732	5651213	7682412	6984987	[M+H]+ 53:	392
7868345	6252184	1739400	7733205	6723349	2942880		1
150713.9	179798.5	208040.4	146646	178049.8	101331.1		161
2235464	2740944	1840359	530196	2520777	290685.5	[749][M+2]2+	9
186633.5	236622.8	133468	1172518	141923.9	745796		357
3520985	5380657	1449105	5760318	4391144	762016.3	[M+K]+ 16(	11

624230.6	300582.7	616719.5	212984.7	1651444	438169		291
1351925	1045345	1274061	827718	1328455	623903.3	[1333][M]+	17
410467.8	489474	433738.7	308361.8	411243.4	559396.8	[M+H-CH4]	25
5564585	9035017	8597019	5320772	9423384	6873439		190
1429121	1294956	1157249	974323.2	1123262	817022.3	[542][M]2+	160
604205.2	847972.8	1244976	455216.9	623383.8	377252.2		9
2303235	2384096	2819055	1919996	2296270	1442143	[988][M]+ [M+H]+ 54:	220
4715900	546306.2	2021995	4837161	4994949	670854.1		15
848469.2	1131148	1673597	713859	1280576	370182.8		13
374943.4	226655.7	783823.4	200395.1	189409.5	343360.7		78
2558037	4892449	2770050	1817270	3609954	5941158	[M+Na]+ 1:	97
7183004	10263787	14549840	6361718	7953080	3129629		9
3.13E+08	2.83E+08	3.48E+08	2.76E+08	2.94E+08	1.66E+08	[1126][M+1]+	17
1543472	625751.7	2153783	885532.7	2734984	9264138		9
1161996	3589240	2814497	961576.2	1713287	2988701		9
2423231	2756084	3063418	2338357	2385824	1515710		4
16178071	19402112	18675853	13431050	15223181	9060249		9
4948223	3828414	3640963	4019488	5451107	5632593	[M+H]+ 37:	14
808840.5	324097.8	273024.1	899361.3	335472.4	603632.7	[172][M+3]2+	4
2979697	4487416	1999161	2314557	3844597	6259257		9
34215883	29761727	12331033	44794768	50667723	18047474	[3M+H+Na	11
6721425	6502704	6229564	6139085	8266004	5606171	[1255][M+2]+	9
13224064	14095840	12617817	11567123	12892020	10665874	[1236][M]2+	2
4.68E+09	5.08E+09	4.45E+09	3.28E+09	4.64E+09	6.61E+09	[721][M]+	4
48299977	57634936	59888408	39305166	43135021	37853460	[763][M]+	4
8603887	9847733	323832.6	7391513	9571921	4314456	[3M+H]+ 1:	11
1557368	1433110	3666558	563286.7	782351.5	7405362	[3M+H+K]2	81
4505814	6623822	8982704	3893650	3782860	1225506	[1259][M+1]+	9
1994183	1235920	2065509	1329793	1545591	879523.7	[1135][M]+	17
4713831	10984186	3706142	3317802	529975.2	35769069		2
2119866	1931394	972376.6	2014333	564416.2	1552173		32
3079525	5585584	3517271	5159152	3227159	3506660		325
11137435	21495524	22075120	7988141	11880689	10662438	[1313][M]+	9
4172228	5658644	4214928	2503992	4490628	7089784		4
4.32E+08	4.41E+08	3.69E+08	3.81E+08	4.91E+08	5.14E+08	[392][M]2+	2

202279.1	101164.5	262846.7	179098.4	170766.7	435907.9	[M+Na]+ 5	42
351806.2	753210.6	640691.6	547726.3	350435.8	259224		4
1069138	1147927	930147.1	1040330	754516.8	725356.6		203
6798834	2061687	571095.4	3354511	952676.2	8912564		46
1131065	2797723	2788961	764992.3	1483841	1797762	[1133][M]3+	9
50030006	80254477	70082160	38032328	47091904	1E+08	[980][M]+ [M+Na]+ 5	81
2363213	2248483	468400.2	1528128	3175010	2756940	[M+K]+ 46	6
2872725	4640665	2548864	1450428	2143413	3755514	[964][M+1]+	101
406141.8	1034458	770818.7	359128.5	291436.1	755531.7		5
823306.1	1536999	1478662	1449134	883171.7	1926347	[M+Na]+ 7	35
4775228	5001267	5971192	5008495	5687903	2583555	[M+H]+ 35	39
1516520	2953771	1876427	976756.6	1812005	4542551		9
313092.8	341207.5	935230.4	443507.6	450449.6	205104.5		18
1647285	3034496	2980888	979912.2	1920623	1027676	[518][M]2+	9
901723.7	1113950	617529.1	670648.4	976112.1	781346.4	[M+H+Na]2	33
2258207	6323714	5364317	4172664	3972519	4007307		415
29204601	69939479	82714908	13765706	25881465	60131046	[759][M]+ [M+Na+K+]	20
7375830	4161379	6373258	6239439	5756407	13272149	[1303][M+4]+	2
402348.5	296364.2	220013.9	299727.1	87174.43	234973.7		99
460149.8	431944.6	1023061	316882.8	184538.8	902616.5	[M+H]+ 86	18
3199087	5050134	7315679	3234001	3765303	1903561		13
4627391	6262628	4011649	3321230	6640815	3964343		2
863701.6	1993856	1882479	400163.9	809078.3	1821832		486
751851.1	1567201	3048218	701811.5	708152.2	366541.9		9
949607.1	232677	1953411	573488.1	734140.3	570200.3		9
4011099	2326246	1235880	3906543	2321174	10242057		2
584762.9	1194599	1525655	444416.4	542467	513154.8	[2M+Na+2]	8
5840644	9850905	16719024	4144309	5935021	3321806		9
8.53E+08	7.74E+08	9.45E+08	7.58E+08	8.03E+08	4.58E+08	[1126][M]+	17
1583340	2729596	3032867	1113724	1388710	1446851		9
3742394	3287960	3270203	5481529	2994054	2602951		375
696601.7	1619625	1938892	578173.2	828304.3	669840.4		9
39304888	18895439	35122784	27236222	32676871	2076670	[527][M]2+ [M+2H]2+	150
8103915	6787293	6573134	4689643	7216252	11171048	[M+K+CF3C	5
126227.1	191942.1	206096.6	121572.3	171930	72567.32		305

3003975	8055485	111426.8	1056482	4053675	3651902	[M+H+Na] <sup>2+</sup>	11
5661175	2165015	6069864	6447758	2307030	184553.3	[M+3H] <sup>3+</sup>	97
840661.1	850245.5	949664	746573.5	912187.9	398074.9	[M+Na] <sup>+</sup>	16
498276	549889.6	542115.2	848440.5	619739.8	327463.7		247
1516454	2755070	3259941	1510290	1715653	1591159		9
563836.1	1449998	899192.6	244475.4	961366.5	1159774		9
1492670	1798450	1530796	970745.1	1438193	1995292	[493][M+2] <sup>+</sup>	4
222671.4	153422.2	635552	368592.8	467135.4	131702.4		283
687989	925181.4	992342.1	619363.5	438350.3	983706.5	[M+K+HCO <sub>2</sub> ] <sup>+</sup>	16
40565592	32543822	30318268	38858529	25492041	39910285	[652][M+1] <sup>+</sup>	63
1264401	6018069	6083122	1359229	2139688	2214887	[339][M+1] <sup>2+</sup>	20
2982611	3925389	5014718	2803382	2859359	2768527	[M+H] <sup>+</sup>	18
1489870	1704908	1686294	1565849	1259219	867074.1	[M+H+NH <sub>3</sub> ] <sup>+</sup>	35
2625993	367964.5	2330338	1485508	2301367	4621800	[71][M+2] <sup>+</sup>	9
2801730	2702164	2862070	10641290	4377062	980411.2	[945][M] <sup>+</sup>	165
1.16E+09	7.99E+08	6.97E+08	5.69E+08	1.04E+09	5.43E+08	[364][M] <sup>+</sup>	1
1189437	938972.6	1511487	1088101	733036.9	617014.3	[442][M+1] <sup>2+</sup>	9
9417999	4244791	1604328	8133427	8821247	2879584		317
1571528	991835.4	1814718	2292634	872644.1	2250442		154
392423.6	588807.9	956417.7	335366.9	435708.4	0		9
3550634	1900801	2483390	1926692	3455853	1854585		95
4218960	7411739	174203.2	4662406	5816053	4489107	[M+K] <sup>+</sup>	3
1571734	1594602	534208.5	772099.9	1507464	663167.8		105
710798.5	2528643	1124487	525296.7	2062464	561466.7		4
717849	810518.2	2657333	613753.1	743403.7	0	[M+H-C <sub>3</sub> H <sub>7</sub> ] <sup>+</sup>	46
872676.6	1624446	458950.3	547626.4	1504917	2760877		9
788795.2	1548599	731781.2	531965.4	894172.6	642238.2		4
248325.5	529295.7	441919.2	354854.3	311015.3	219181.4		218
2112558	2905254	3004990	2237922	4216820	6564579		2
766418.9	752045.9	368950.4	340832.8	474595.7	497048.9	[633][M+1] <sup>+</sup>	296
8654999	4239217	1777362	18343793	2498526	8423406		6
2286104	3120415	2567874	2007539	1850080	2160428		4
2110825	388146.6	2534820	1410171	2385554	5144083		2
238181.6	193805.6	153307.2	230353.6	231792.9	114995.3		515
17675100	33547524	19518577	22610086	48237648	75492122	[856][M+2] <sup>+</sup>	19

9007476	5706710	6763365	7052768	6618712	9313332	[1321][M+2]+	2
12056752	21550337	22521123	9086342	14159221	10411581	[1291][M]+	9
236835.5	231887.5	358066.4	291335.5	245292.8	85905.98		274
980180.4	1515443	2806375	1969712	2855973	0	[2M+H]+ 1:	6
2.53E+08	3.32E+08	2.94E+08	1.59E+08	2.3E+08	3.6E+08	[M+H+CF3O]	72
43621519	63754482	47249067	20710560	62379671	1.25E+08		86
3871679	6685924	3657058	4359127	2150316	4588302	[M+Na]+ 3:	252
329020.2	251333.4	386365	412026.1	168729.4	231746.6		147
5942051	9821295	5920476	1495296	5118253	5694768		272
2786863	7515285	8230929	3489614	3564194	955756.9	[194][M+1]3+	20
712987	745480	708530.7	451240.2	470009.6	37210.13		286
914378.9	817094.3	1277955	633736	770589.7	1575284		4
10345011	5839439	7468050	8804969	6395133	17112306		2
2688543	3861307	4202927	4137906	4279061	4205166	[M+H+HCC	339
899376	1085403	1522447	576402.2	848010.7	235930.5		8
727921.1	180921.9	488468.4	374106.8	370075	106572.4		4
2978075	7469150	5443395	5409111	6052164	8829024	[905][M+1]+	1
3888662	3570826	3754719	4023647	3121194	2882508		191
672438.4	1186083	965845.8	635899.6	1182502	1750431		9
3579770	3100447	3306109	3348983	3315837	1522149	[956][M]3+	9
7331633	5018517	983702.9	6012634	8858635	6366734	[M+K]+ 32:	3
1312666	994531.9	1554687	1061538	1400889	112587.4	[M+3H-H2O]	38
96661796	1.14E+08	75629143	1E+08	92750417	88524075	[306][M]+	140
44446089	72222199	70529554	46155752	50756102	48582536		1
2387776	4213362	3775332	2772645	1650662	3528976	[M+Na]+ 7:	134
294844.8	244819.9	325344	225030.3	224439.4	99974.32	[1038][M]2+	42
475198.8	0	2586055	380956.5	449732.6	1836561		9
2674906	2740686	919317.7	3754704	2817401	3087112	[540][M+1]+	44
11609660	14199049	9630488	17711724	11988646	5451204		1
687398.8	624124.4	1476361	304863.9	612390.1	1158422	[48][M+1]2+	2
1170040	701631.6	949366.4	1211874	1125141	680607.5	[657][M+1]+	110
1245778	1241366	1491279	2405113	639845	851435.7	[1345][M]+	48
466265.1	908797.1	1083354	311949.6	560879	739093.1		9
193831.2	226984.4	275590.7	455786.9	187575.1	456399.9		442
761118.8	2481558	2302132	939120	402882.7	1277746	[M+Na]+ 7:	8



1835699	1589616	1716312	1034385	1700059	1816126		4
2468886	3578220	1417236	2716072	2780224	1924509		2
451999.9	735537.2	1147420	566289.8	372317.3	0	[3M+2H]2+	8
6333385	9257233	4792321	5101237	9959710	7838482		2
912753.5	1293319	1784592	702887.5	946610.7	481709.5	[M+Na]+ 4!	15
1753648	329872.5	530609.6	667889.9	1534846	2193419		387
978009.7	2319405	1481806	598742.1	1406804	2284260		9
1442009	2254146	5280873	5074458	2284165	4082466	[1154][M+1]2+	2
8983136	1273964	6996544	9700396	3217332	1667455		2
5414556	5843390	2589641	2668925	2568429	2470513		257
644049.3	170328.9	1015308	566498.1	531557.2	196546.4		89
25739571	2348499	1.22E+08	16530669	14618361	51995333	[877][M]+ [M+Na]+ 4!	41
807385.5	65739.01	1534428	916702.2	1122055	461714.8		9
1705171	989395	1194191	1816949	1242569	540586.9		4
6067079	9834206	8347914	5569818	5821381	10877224		4
642769	1247016	1201865	218844.2	653006.9	708841.2		9
81996.07	112258.5	138762.8	56500.5	72610.78	21951.56		76
612404.7	330609.8	1229216	796533	1026967	1149814		6
6305242	8145850	6309966	6322302	3672450	6932374		264
609115.5	701446.9	509248.4	1188139	754021.6	505293.8		81
19355403	43833120	37839063	13567732	26530373	43626413		9
16784787	20265047	4707275	15268816	2029079	23034447		2
2735459	0	1365893	1808418	1147464	136047.8	[M+H]+ 38'	15
8235106	2803744	4320367	6003292	3242470	1512287		2
1040855	424015.6	440472.9	268408	826956.6	2536323		4
40443788	41271263	8323058	30950219	13204058	27569371	[868][M+1]+	50
983929.1	1063870	1436711	782781.7	953964.6	1090546		9
968298	300455.3	742037.5	439903	522245.1	0		238
2196992	2176199	2187385	1795200	1712772	957656.3		4
17491312	24556526	33934157	14308221	16518868	5378641	[1259][M]+	9
4272088	1775375	1191836	2618814	6435069	1862548	[937][M]+ [M+H+NH3	209
7744713	9354716	8026834	6892349	9604708	7711691	[3M+2K]2+	13
724068	1408524	2095248	572128.7	702462.1	454054		9
3676623	5419173	5747604	1270519	3133648	5893805	[631][M+1]+	39
387456.5	355298.9	257026	340250.5	557914.2	393458.8		91

883408.3	1393345	1076272	1287041	688528.6	1252758		9
1159974	863044.8	703277.2	1322875	578636	1637415		9
224878.2	473658.2	229621.1	245714	204304.5	486334.3		148
5290730	7143767	10258469	4109662	4345866	1397482		9
5111961	4445358	4822036	4401849	3414844	3441441	[M+H+CF <sub>3</sub> O]	83
2859360	2345470	3812389	2332749	1928377	1674815	[1462][M] <sup>+</sup>	69
2512494	0	1270354	1659965	1365575	0		1
22098238	34547926	77433072	14733070	13853160	4740278		52
897261	1648070	1653310	1583015	914052.9	1197953	[2M+2Na] <sup>+</sup>	16
1352226	2582077	2209230	2667023	968924.8	3798615	[1352][M+1] <sup>2+</sup>	7
5959595	11091997	6662811	7245090	8748601	10102522	[1155][M+1] <sup>+</sup>	2
3292885	4040624	749441.7	669829.2	4010606	5860401	[2M+Na+K] <sup>+</sup>	11
665536.8	1217500	832139.9	466301.1	768833.4	638074		4
216611.8	60638.87	446401.8	290483.5	636907.9	231965.1		494
6678537	24420093	11053829	6380177	12868624	9854340	[M+Na] <sup>+</sup> 7:	134
3740020	4309686	3251501	3081628	2016060	4042540		377
439077.1	1922206	1636801	252605.4	440725.9	829576.7	[M+2H-C <sub>2</sub> H <sub>4</sub> ] <sup>+</sup>	20
7042956	6433673	22222517	6463597	4929733	7920208	[M+Na] <sup>+</sup> 4:	6
240993.7	546900	594895.6	18392.44	127786	321678.3		18
1604166	2650630	3987812	1124231	1636932	559216.3	[1093][M+1] <sup>2+</sup>	9
2362491	5948221	2111426	2123101	2657841	3885556	[M+2H-CO]	97
6133732	12610922	12700523	4279799	7194270	9954915		9
2865504	5430905	5827386	2231370	4134324	2164086		9
898336.4	678162.4	166974.1	911731.9	1460540	763886.6		32
856611.3	1475067	1491325	668614.5	1193219	758333.5		4
109943.3	771815.1	1078744	146592.5	341808.2	510240.5	[M+H] <sup>+</sup> 68:	39
10986108	7531922	9270811	12314038	6032437	1666333		2
3416616	4237614	2739748	2262286	2234852	3495910	[M+K] <sup>+</sup> 22:	97
1852489	17986063	4413942	1133766	3424073	9437223		1
2994379	3907772	2844881	724438.7	5176959	4698369		337
6108411	7811519	8310920	4818531	5704784	4121121		9
3448503	5296628	5167210	2999266	3080179	1700398		9
1223219	691285.3	1146661	1180796	1927356	243048.2		9
1115156	1125575	1995449	977057	909560.4	473747.8		1
13495449	18166042	11578053	7803428	10916348	20087711		1

1861873	881093.5	1019780	1090617	1093653	2959071		9
891173.2	221628.9	1883604	1294448	1513658	1991889	[1189][M+1]+	9
7180834	6165515	5705000	4114448	5274522	8913621	[3M+H+K]2	15
1926452	2294926	1864769	1754229	2311757	1304669	[3M+2Na]2	13
16924135	17017683	14869783	15088500	18940527	17491665	[388][M+1]+	2
9460077	12419725	3789327	5722180	3856088	6722683	[646][M+1]+	125
536863.9	387759.2	989421.2	613611.5	575805.6	206338.3	[1183][M+1]+	23
222019	153469.8	187428.7	331550.2	160728.1	132909.5		522
657886.5	1560333	453044.1	508950.5	1113200	2802054		9
43120946	52283107	65514509	45124111	47716361	34123963	[412][M]+	9
1494127	881031	477189.4	1948208	1675576	1505540		68
1.1E+09	1.23E+09	1E+09	7.33E+08	1.04E+09	1.46E+09	[721][M+1]+	4
964940.5	1219763	837590.7	826943	663833.8	203138.5		9
2175424	1840859	1610935	2348380	1506003	2800152	[M+K]+ 186	13
425802	583529.5	658768.6	393252	432844.5	1043988		4
3465476	3891909	2338887	2223055	2724471	2842743		4
7742474	3567447	6737180	5324867	6610492	144544.5	[1359][M]+ [M+H]+ 72:	150
625295.7	1387414	996407.1	712874.5	672137.2	621929		4
2105805	2495673	2227095	1736889	3102539	1633969		1
635125.5	505004.1	282058.7	174470.1	680740.1	1470698	[3M+3Na]+	81
5341223	7231624	5343919	3046095	8342072	8615145	[48][M]2+	2
2720112	3785893	2628978	1513177	2731141	4522074		4
35121169	60087470	61736378	31899929	24115856	43572986		13
694671.1	1715883	734684.5	5147606	1054652	898558		1
1492136	944285.9	1883445	1859449	1140084	229842.5	[1569][M]3+	87
1961693	962032.3	1453397	2747921	2782203	842896.1		2
2599077	1205004	1164351	1465735	1357613	0	[930][M]2+	1
877145.4	951600.4	2025732	866706.6	1105866	548773.3		9
4790195	4937650	4840781	1682403	6098099	3785391	[M+Na]+ 4:	15
293936.4	471418.9	312403.5	226994.8	258878.8	161765.5		91
14646348	11765165	9789022	16359139	16445146	8299590	[363][M]2+	2
1426667	1946843	1202420	499250.4	1724798	2494849		4
1967274	2601374	2176410	1064694	2339862	1622009		9
1577938	2434520	1775400	1734218	1381277	449100		2
1157379	1719126	1517082	830073.8	1185292	1240876		4

1284311	1342223	1624558	1230018	1411342	756708.2		4
1372321	922436.6	483313.9	465338.3	348397	1829758	[2M+K]+ 1	3
945784.5	2461229	1155033	600033.5	1446411	1873867		4
5276826	7509201	2805909	3424036	2733307	4269099	[722][M+1]+	101
684451.2	1293930	605522	232077	1137907	2342666	[1003][M]3+	9
12421121	5449083	975005	10147870	7994699	7921523	[3M+2K]2+	3
615912.4	404530.2	332615.9	183897.5	422192.7	410911.7		91
1239863	1497321	1623285	1278617	1282150	1182487		4
1607982	3296550	2826204	903349.3	2742146	2827798		1
3941964	19177174	10285219	4122437	10255114	11626788		1
1206013	4085938	776777.3	4481446	3196560	1256275		89
273647.9	281617.7	455481.4	252702.1	247231.6	791913	[988][M+1]+	220
4403896	3344763	2280581	2887606	2157392	1074736	[M+H-CH3]	97
3749854	4922184	3351183	4087311	4457728	3874846		375
905110.9	721476.9	537295.9	636793.9	893600.2	113266.2	[1509][M+1]2+	9
8844433	9039679	4788537	7069634	9447769	9930442		13
876538.2	399372.1	1151022	1157946	968357.5	310570.8		49
2899704	3687796	4169521	2019162	2797273	4266694	[1266][M]2+	91
12720321	10456405	6514836	12518545	23295083	19128678		2
1202131	2549951	3757433	1157716	2218925	897979.5		9
246084.4	221163.7	432133.6	284145.6	186046.7	71929.2		4
225251.4	227738.1	261545.1	280819.6	115153.1	217599		193
1431789	63178.12	1558371	1431000	815978.1	522583.7		9
1790312	2046515	991320.7	1057183	1270713	2116110		4
19496528	24768495	23871575	15425933	17984412	18821195		4
1388350	2500047	1815813	949733.8	1928634	4287455		9
2839630	3451390	2880685	1906175	2333397	2386923		4
2547037	2170063	1654620	2772665	1682428	10013109		1
8195868	15553213	13979650	7347750	3091262	6599097	[830][M]+ [M+Na+Na	20
3575490	4502522	3022666	3137364	4147313	5665236	[443][M+1]2+	2
5245385	4426940	4192599	3673371	5539993	4319931		2
2755977	4439459	4503464	1647921	2721392	1271088		9
8521500	7623289	3405132	16431378	92665.5	6095466		86
1448857	1451003	2045525	1238563	533108.3	2135800	[M+H+NH3	39
2697389	2710411	2922622	2358369	2343374	1352328	[M+H+HCC	42

26979767	26105515	8427658	36331979	24615226	28191023	[540][M]+ [M+H]+ 36	44
999054.4	1858487	1967165	682113.1	1375823	1035517	[159][M+1]+	9
209455.1	1053123	0	99443.03	1070546	884325.4		1
1123449	1847378	2035563	1727474	1375384	704972	[277][M+2]3+	9
7428676	4429593	8294375	7454425	1940922	5226702	[3M+Na+K]	13
3841202	6851190	5899128	2897802	4814266	5189582		18
562081.4	446799.8	699931.6	334881.7	468736.4	218374.4	[1135][M+1]+	17
1886434	655933.1	4660448	1449999	1153731	200940.7	[M+Na]+ 4!	6
1787948	1579665	1958483	1568592	1677774	868112.4	[1122][M]+	17
1052106	731014.1	843221.2	622797	1307355	212950.9		9
884006.7	2038528	11329366	753083	2281927	5108146		93
3587114	5255848	5039472	3630596	3245114	4476166	[939][M]+ [M+Na]+ 4!	12
427016.5	0	893375.1	337009.1	504051.6	794178.2	[M+Na+CF:	8
5417699	6267101	3457712	10217879	9271147	6882122	[M+K+HCO	3
191569.7	1599425	1521761	234499.5	928456.6	726223.1	[1045][M+1]2+	18
3479637	3298458	4086246	4439908	2997584	2215657	[164][M]+	48
1581045	741415.9	755829.8	1192950	586480.5	266460.6	[939][M+1]+	12
2090412	3321420	2465747	1354375	2350633	2119322		9
844455.1	1726423	910821	600147.3	1042139	1798099		9
5170812	6999525	10195561	3726940	4583594	1593811		9
206786	422229.7	573516.7	147010.6	490206.2	756360.8		4
1473512	1891297	1214598	1192455	1194602	762312.4		4
832538.9	760361	666661.7	807624.7	498347.6	40835.08	[1108][M+1]3+	159
345042.5	249923.2	252278	252335.9	224250.1	121007.3		61
1930814	2286424	252596.7	994799.5	929668.7	4553739		233
213672.4	313520.5	240703.7	172055.9	238987.4	201912.5		17
2388431	1327898	184375.6	2073743	819859.2	905382.1	[M+K]+ 41!	41
1519867	4098242	3912612	1082230	1905171	2678035		9
6719171	4093580	8021017	8739047	6622750	3657572	[1340][M+1]+	209
3177917	5581644	5270079	1941762	4171693	3354701	[732][M]2+	9
5386448	5684986	2564265	1324633	1389420	15630423		1
5494062	9914404	7410465	3939226	7012719	11542129		9
11260935	17172481	12603728	7601090	12610406	17845971		9
26460039	16485588	13242155	12638319	23691654	10173135		1
763973.3	1103953	1147935	1135224	811927.5	505525.7	[1184][M]+	23

10901373	10626213	9018912	11557389	6400260	18169748		135
196569.8	184925	197993.3	206955.9	191829.6	58821.67	[M+H+HCC	43
1.98E+08	82812540	1.73E+08	1.68E+08	2.16E+08	8582866	[768][M]+	49
99160.33	850529	1321558	0	271264.7	0		13
734097.2	2047694	3473319	461528.2	796306.9	254699.8		9
402243.2	283604.3	366147.1	484947.5	262032.2	218266.8	[1564][M+2]+	329
905680.1	946504.8	818912	591537.4	858499.1	2167015		8
2087142	4139051	2263094	870325.3	4149956	5607517		2
315656.1	2579648	1868453	175849.8	104642.2	1562322		141
611738.6	1195622	300307	332297.3	797929.8	1190051	[2][M+1]+	9
942349.7	664739.5	600528.4	1099587	995672.6	361437.1		4
541893.1	599937.3	770377.1	465763.2	490706.5	85818.68		9
1515654	697692	873965.1	696663.5	1879659	996158.7	[3M+2Na]2	6
25370475	25057775	7890848	19930621	27325737	7988375	[M+2Na]2+	3
1659400	2841249	1964435	794820.2	1852680	2236565		4
5218769	4576720	1409432	4669680	4161130	5280863		14
2624019	2265884	2635190	2333360	2560605	1713374	[9][M+1]+	4
3156450	3549270	3666061	2754685	432993.5	909623.5	[M+H+CF3O	5
2250772	3343998	2484860	1426733	1513768	3170081		4
794063.3	38718.57	744663.4	792951.6	701794	473860.6	[3M+H+K]2	8
2888808	1957343	2923502	2114599	2686572	0		9
4549872	1607441	1196274	3003984	4010348	3690306		1
2194055	2688090	2495768	2122856	1625667	535637.3		93
2052783	3771973	2894278	1351106	2357191	2968131		9
696271.4	326984.2	229913.7	2105153	331942.3	0		9
19528860	24966693	24184034	15618682	18162094	18807154		4
39526608	69644775	32337347	49952151	32429725	41929128	[M+H+NH3	13
15183364	10610477	3855520	10407720	11628328	24677758	[3M+H+Na	11
19057658	26075755	13863607	20847399	20725997	14096104	[183][M]3+	13
1109496	1928949	1199250	1158840	1873910	2373145		2
6947412	4247899	4554921	6462606	3684203	3533638	[M+H]+ 57!	121
1050031	1388148	1443698	786916.6	1127608	1605000		9
676469.2	471027.8	490275.1	551457.9	344311.2	1003358	[M+H]+ 48!	35
5765645	6535468	2643525	6190853	3560782	4429746	[869][M]+	159
1971638	558521.5	1951068	1356280	1314234	894868.8	[M+H]+ 42!	11

4554199	3660564	4083396	5505350	2720369	2852575	[314][M]+ [M+K]+ 274	268
967930.8	774476.9	965232	485629.4	917117.4	1158607		17
7657425	14103280	16590634	6496113	8449436	5677304	[178][M]2+	9
5299873	5865678	4766157	3066642	4697085	5384831		4
4331053	4490331	7647003	3957016	4121903	3271590		316
1000359	750977.4	1338615	971890	806639	761844.4	[976][M+1]+	214
10246059	6742506	1407031	10922933	9434431	3546841		15
304495.4	70871.55	607372.5	109306.8	456125.7	13576.98		343
16871664	15977430	15866318	17221289	19733502	10864532	[441][M+3]+	2
4278536	4565337	1946965	3154961	6689994	14987955		11
1591951	3258433	5243243	994776.8	1928011	2139440	[538][M]2+	9
2537748	4533146	2723445	2307516	3209761	6881498	[1316][M]+	2
1467986	2372645	1217699	1184572	1968156	4703697		9
9386633	4603929	7659371	9784951	4460015	3411896		2
326532.9	276713.3	633270.1	394990	422429.6	419598.6		4
1.27E+09	1.35E+09	1.1E+09	1.15E+09	1.38E+09	1.44E+09	[1309][M]+	2
1339487	3904937	1785509	984262.5	3377320	1240329		2
2155773	2993226	4786979	2097085	2828333	2513758		1
8753483	10462151	8417790	5515684	8383481	9715702	[259][M]+	4
509758.3	1719421	2441855	429700.1	796010.2	994475.1		9
288278.1	777554.3	476511.3	400111.8	457120.7	452216	[1611][M+1]+	134
1923054	3925767	4261386	2180152	2772241	847797.3	[3M+Na]+!	13
1522799	1289881	1793851	1095115	1052857	814385		4
705251.3	143804.7	1526203	692591.8	674257.2	1249641		9
1602581	2580575	2325791	1239486	1640725	926006.3	[278][M+1]2+	9
740509.1	965894.6	1240702	1632819	4360177	904550.6		1
1334706	2476064	3172581	1215232	1464764	810324.1		9
1422487	3072386	3931761	1013340	1693141	1666177		9
658466.6	1140071	1336512	310998.2	700158.8	260698		9
3126529	9917754	5611704	5887206	7036286	5485480		1
888540	1622201	1295496	700467	1027685	1186340		4
3491601	3713779	3536445	3707260	3465527	3479605		272
1088209	889633.3	1220550	738305.6	541695.7	871038.8		9
1419338	1612528	1510170	1119284	1405389	2023793		4
4731783	3591597	3539578	3805828	5969101	3664535		13

929737.9	594589.2	707149.9	282525.1	888292.8	1773458		10
3152318	13825347	10592659	1804570	5596714	6928575	[M+K]+ 436	93
208432	146495.3	367703.7	145512.7	232071.1	191929.1		17
21745336	27457210	22633568	17830384	20230686	11752412	[2M+H]+ 19	3
35207088	33337351	37933104	21673828	41370372	62887327	[600][M]+ [M+Na]+ 30	28
2866198	2335611	250726.4	2711147	4270521	2586509		3
442219.9	660733.7	1239794	368048.1	514082.2	366632	[M+H-CO]+	116
1758097	1579725	1788805	1861992	1589397	867168.1		255
16992060	15371252	18101668	16473970	19134227	11495017	[1303][M+5]+	2
12112000	20015289	10184117	8096376	8655525	11068295	[934][M]+ [M+H]+ 510	101
4535057	3891794	3152092	5036885	4157066	2220984		2
1.08E+08	1.04E+08	88617950	1.32E+08	60152467	1.09E+08	[139][M]+ [M+H-CO2]	112
978391.6	2305403	1816307	592064.1	1301258	2383540		9
879407.8	913999.6	1017083	512155.1	777747.5	781421.7		4
20003726	9822597	3145213	26236736	12034968	26394143		6
2045272	1692203	1959649	1095001	2271839	2909455	[1395][M+1]+	2
3891668	980463.5	10338436	3326385	555999.6	4109206		9
388882.8	270639.1	678502.4	502922.8	302418.3	505401.4	[1491][M+1]+	256
724678.4	2401584	1892790	496105.3	1044489	1119159		9
1871705	3810715	5526576	1245802	1884667	129858.6		9
3978773	6537667	4414280	2572391	4735087	7733712		9
900269.7	714478.7	783528.9	645320.8	1062291	2067724	[M+Na]+ 50	83
14295436	15816110	6431909	4071663	6317000	6218340		250
2179099	5484666	5207488	1732875	2352365	1349858		9
3037626	3908927	1872618	1510588	2604392	6678623		2
1239106	852065.9	1692238	1444007	1128961	1070073		1
367254.2	632667	432968.7	255069.1	296878.6	269348.8	[M+H]+ 370	42
1001133	958397.4	728779.8	503175	770279.7	102757.7		4
4009565	7089764	1724591	4805757	6223612	4107011		381
65984113	27667819	15035432	48201916	37901604	38370355	[M+Na]+ 40	3
835535.7	329282.8	313550.8	834579.2	301182.7	1305444		98
23752883	20082469	10981138	19019249	9691641	12126858	[M+H-H2O]	11
6447352	2789224	13182334	6291311	6088747	5015414		417
11794317	5939665	3841602	18849408	5208681	9074251		310
1009042	823020.8	554473.3	581081.4	1051955	344740.6	[M+H-C6H:	5



1821401	4352906	1320251	1362752	2155705	698339.4	[2M+3Na+]	81
4465369	4217114	4938566	6373045	4765986	5086471		226
1251266	1210196	1639236	1505247	1632519	662140.2	[M+H] <sup>+</sup> 25:	86
27271545	50784107	57166417	20323490	30769163	24771267		9
618061.1	2164923	695316.3	581337.8	595814.7	1988434		4
1671983	2282130	2156394	1767086	1456250	1499509	[M+H-COCl	16
6318598	5353586	489803.2	4496174	6909171	1787100		15
2092810	2160441	2332312	1997232	2264236	1169485		14
705523.9	845780.2	754905.7	1421793	624631.7	734418	[990][M+1] <sup>+</sup>	165
2393126	8375056	3830521	2952741	7154327	1419648		1
700076.8	886733.7	1204664	874794.7	897879	213652.5		228
2129456	1655627	2288604	2319991	1743565	0	[M+2H-CH:	14
1794627	2161127	2734923	1281641	2033041	1389511		9
489393.7	541729.2	4800215	3304904	3464534	508811.9		4
323649.4	3106065	1735138	261223.4	473588.9	350756		15
1400588	1672291	1404933	1620590	1388898	1885437		190
3756748	6980180	7584219	2849366	4671227	3455684	[847][M] <sup>+</sup>	9
1151271	486865.4	718272.6	638292.3	673855.5	0		4
5438589	6135974	6694972	1830895	6004823	4463589	[M+Na+Na	18
689485.9	1417736	1623854	369522.9	149586.1	814066.5	[M+2H] <sup>2+</sup> !	18
5945933	7601602	8744867	4553104	6416710	2595707		9
875050.4	1196842	980856.1	908338.3	851622.2	108038.3		9
49653000	75843341	46608733	32564807	37153903	43987614	[1100][M] <sup>+</sup> [M+H+NH <sub>3</sub>	101
11085718	15331729	10910816	11286615	15317834	16042955		2
1464285	1745069	1923923	1340786	2105082	1765323		4
1611869	603846.5	1396452	1785875	2776301	1945037		2
4769213	4724665	4537496	4638147	2527682	7947752		445
22112849	23842143	18892578	18581249	22965752	22564653	[828][M+1] <sup>2+</sup>	2
5855691	6533051	5736080	6028208	6473524	3271133	[978][M] <sup>+</sup>	9
136957.7	189728.7	283567.4	398744.8	248068.2	207095.9	[1487][M+1] <sup>+</sup>	495
84573532	1.15E+08	1.08E+08	61997019	74470954	81769993	[589][M] <sup>+</sup>	4
743861.9	1626729	440540.4	408740	768885.9	796417.7		4
5369876	5724043	6651635	4911877	5453895	4271841		4
1269989	2297359	1828246	952510.9	2097099	2197029		9
48582311	44862227	63839903	42502323	45920100	23979848	[M+2H] <sup>2+</sup> (	23

2191490	1843440	3736955	4917694	5297668	2413858		1
1318658	845024.5	859628.2	1028114	1299344	500090.7		91
255331.3	379221	433746.7	271742.4	185056.1	249669.5	[M+2K]2+	57
84664442	1.15E+08	1.08E+08	62053032	74431473	81912616	[718][M]+	4
1310864	1869871	1173557	967657.5	1504807	2431886		9
18389130	1251905	18261439	13344771	1697212	11288340		46
1626043	2277355	1401459	721901.7	1422347	2257117	[M+H-COCl	81
2694637	2228245	3740090	1774496	1933227	423505	[595][M]2+ [M+2H]2+	23
1291008	5285754	4311478	2410451	4787400	1840408		2
2831429	3673419	5564797	2347267	2358216	2163715		9
29022096	29088003	25785192	28632502	26573196	22784214	[853][M+1]+	2
2300095	2986411	4172455	2107294	2182006	644618.2		9
597057.8	793072.6	663820.1	669308.3	700336.1	634411.4	[1597][M+1]+	366
1746980	636056.8	895282.5	1344824	1251366	195413.7		4
5529479	8287959	6854401	4754711	5863384	4473418	[959][M]2+	9
66035735	78948876	55451842	63074216	78226838	68930340	[1312][M+1]+	2
1068735	1527597	1607345	935205.8	1111535	1127349		9
2236341	4117124	2054625	4592377	4382276	1586941		2
3126882	3280890	2641203	2271537	2736452	3455323		2
2848662	2183225	1145943	3268556	1612971	4342558		2
6121776	5131071	6407930	5634343	4469112	2803258	[349][M]+	319
4248394	5963215	4066631	3903304	6850450	6071274	[43][M+2]3+	2
5667618	3149410	1705993	1326504	2397418	14681570		1
984231.9	1405169	1116050	441334.6	797917.8	949429.8		62
756129.9	1458553	959711.7	485647	821871.1	1235502	[M+2H-NH	8
16906810	20928579	25203290	11071252	23337377	9835773	[848][M]2+ [M+H+Na]	38
6897588	8303948	5950964	4800934	7045637	8207828	[401][M]+	4
2384513	9395813	5713136	3235071	5328170	1808635	[M+H-H2O]	189
15931129	11448618	13459309	14750623	17658497	13853538	[355][M+3]3+	2
2340167	3130797	3006557	1880000	2155222	2193050	[158][M]2+	4
1533396	923080.6	1040945	1184248	931939.5	1459127	[763][M+1]+	4
533766.1	805583.9	994496	450235	740327.1	377201.6	[865][M+1]2+	9
728592.7	1524490	1569372	598067.3	1442993	394604.2		41
4199045	5289304	3951194	4015507	5519340	3810311		2
12698247	14322805	11019358	10179018	13868249	15318096	[M+H-COCl	13

1926459	8728448	8808082	4338219	3617618	11110647		254
6519232	4919933	2011634	3457233	7581301	6011470		11
2711912	2393124	1423620	2161975	1126116	1734525	[290][M+1]+	88
3079602	3078029	1956144	2072863	3092437	2502970	[13][M+1]3+	4
1215490	3462914	2999753	880870.7	1872591	1466176	[3M+Na+K]	18
353158.5	1013092	888428.9	80022.57	217045.7	430792.9	[241][M+1]3+	39
905648.9	1359176	1737980	1039068	893909.6	713671.4		8
1320388	6026567	50853285	4293596	1.36E+08	14738657	[M+K]+ 160	3
14209845	8319514	2285252	10757324	48533623	12109033		11
1485109	2608852	3493095	1077484	1643970	1369114		9
512171.9	1018315	1424363	361690.9	629051.9	448633.6	[M+3H-CH <sub>3</sub> ]	8
456457.8	553603.1	447622.2	238536	367654.9	0		12
788588.3	1421739	2236874	848631.1	1152204	308776		9
1892416	3882039	2888032	1418122	2425709	3027551		9
19232016	16420878	24577875	16994854	19298702	8607040	[1092][M+2]+	23
2545057	5640761	1267686	2348690	2797367	7495384	[M+Na]+ 3'	3
634811.9	743706.6	1752425	564361.8	613541.4	218632.8		9
1650416	2709357	4135665	1777197	1570937	3544395	[M+Na]+ 2'	29
411281.9	1059936	2610696	1131029	3403688	872716.9	[M+Na+Na	226
1831751	3080151	3282005	1476157	1508703	1744013		9
4710812	2577931	6922991	828671.9	5503348	672232.7		3
9424620	14616958	14170872	7496306	10433664	14313919		91
1224800	374482.9	1567321	926885.4	857630.7	1066455		9
22162247	7754946	11427920	21992538	11859140	11972782	[1242][M+2]+	2
3901657	2845009	6587198	2887296	2488989	1367073		1
6118011	12187374	12727348	4782694	7030029	9836806	[M+H]+ 33'	13
3057696	1530092	2583656	1649684	1553962	111909.2		493
3787902	603863.9	494287.1	456453.6	435573.4	3444399		96
516424.5	890418.2	779415.9	339434.2	505678.4	633814		4
2854610	4242616	3876749	1771454	2654555	1944478		4
3480966	3782246	3141937	4810463	3744901	3701335		341
2034280	3705703	2061883	1192179	1726086	2145445		125
1742487	4164824	4013023	1116767	2212731	2873961		9
4386486	5363200	4118805	2537961	5714035	5912284		9
3617875	3681047	2396597	2433903	2695914	3546273	[659][M+1]2+	12

35078.23	910395.3	714935.9	19972.99	253460.6	663024.3	[1587][M+1]+	20
5553154	1043500	1553824	3477352	9974797	3044069	[1079][M]+	49
2006091	4488897	1676353	2961276	5164591	4090879	[M+Na]+ 3:	11
1334941	1219812	1157638	971088.9	1040179	1227502		9
2542788	1209586	2199748	2270865	473528.6	2336337		9
853378.7	1466233	1752294	1029179	1043484	1860407	[2M+2Na+I	134
1862082	2765401	1775646	958529.5	1711173	3115920		4
4062187	6474695	5196061	3079531	4857833	5981027	[615][M+2]+	9
4807701	8151960	9976165	3467540	5406597	3503459		9
921108.7	958985	946401.2	931068.3	1268514	1523705	[677][M+1]+	9
4490809	2969506	3625896	3341183	3329560	2127798		2
856912.2	1197465	648089.3	569434.8	286073.7	972586.8		81
2338269	1598569	2334682	1707723	1657293	278490.2		66
677519	453219.6	684808.6	352981.3	490830.8	269629.4		4
7969098	5629268	6728064	8532401	4178070	5093202	[406][M]3+	2
1001662	2310714	1743924	2507270	1922741	2664069	[1281][M]2+	8
2975174	11214749	9655554	370400	1829546	8109048	[3M+Na+K]	20
9021632	2051426	3494415	9672732	3354849	609300.7		2
667660.1	1132418	1417134	563855.4	729175.7	546091.9		8
952108.1	6957760	1730134	3983860	942228.3	0	[M+Na]+ 2(	11
5237496	5927125	4680187	3178214	4851920	5324598		4
1685306	983377.8	1556870	2781352	2188287	1927575		1
1094675	587976.7	1001318	651257.7	916246.4	18057.57	[564][M+2]3+	343
2903682	2883027	3420715	1812247	3107305	1976366		2
732180.1	600751.1	741948.7	999809.8	934365.9	759530.8		203
1436022	1576251	1488810	981603.8	924496.2	875364.7		4
2455957	372330.4	1500144	2658094	2125635	1601035	[M+Na+K]2	14
1.95E+08	1.47E+08	1.02E+08	1.95E+08	98462957	55450781		114
2358741	5085142	4846577	3060082	2919488	3897431	[1518][M+1]+	20
661651.1	963810.2	3261559	1119535	3028228	1348277		1
86442.02	17072.83	177212.9	165453	87110.25	73584.11	[1591][M+1]+	69
410064	165392.6	498754	1227236	1103552	1722095		9
11113225	11991127	13384556	9224829	9989583	7512890		4
1701824	2756478	2357549	2317755	2644361	2140460		83
1597897	2856216	3486811	1072995	1916583	984001.9		9

1643127	2461695	1851163	1244348	1257071	2502782		4
2871397	4984005	4065718	2217501	3300145	2788680		9
23040168	23967484	21285705	22951180	22473365	1.41E+08	[M+H] <sup>+</sup> 43	62
15712057	10631618	12517520	12567322	11558933	8904529		2
1371499	3797587	605850.8	1194719	3892445	1924123		1
383944.6	1098054	1885711	221211.2	525775.9	212856.5		9
295465.8	656560	393686.1	0	220207.7	1085919	[M+H-CO] <sup>+</sup>	46
2757407	7796154	6432614	2808257	7057670	5457508		2
331239.2	283100.7	224522.8	377114.7	150943.7	192900.9	[M+K] <sup>+</sup> 80	23
4068626	1799402	3418237	3413936	5192146	4774105	[528][M+1] <sup>3+</sup>	2
197593.4	0	155127.5	131206.6	239659.6	0		49
3760199	4549189	4925548	3557142	822281.7	3020105		326
7413841	4798867	7289331	6241310	7319506	7029455		194
5531121	2376291	3657169	3793508	8879819	608456.8		2
7667677	10139224	6107361	4462142	8476068	5138726		337
551265.5	1033392	1113855	407286.5	580334.4	680995.4	[M+2H] <sup>2+</sup> !	8
1490410	2584558	1309882	427662.1	1094390	2693715	[M+2Na] <sup>2+</sup>	38
1638965	1531839	942754.9	1768883	851041.3	1317734		32
1731569	3121234	2755629	1357272	1786236	1865882		9
4768525	5878582	3768082	4795127	4879286	4946034		2
705546.4	1605772	2160983	522988.1	788084.7	466383.1	[961][M+1] <sup>+</sup>	9
6964048	9738736	6681936	7640400	9357037	8011490		2
285067.2	238486.2	472171.4	110620.4	199698.7	163442.3		490
7315857	10912608	10658006	2732352	4589660	4026622		1
2228349	4665001	2931170	1927137	601763.5	6108433		174
605948.9	781011.5	667205.2	439337.5	538913.6	355576.9		4
880573.7	1505054	503402.7	633976.7	1274911	2793028		9
681021.1	497097	801371.6	776917.4	596387.3	298941.3	[M+H] <sup>+</sup> 69	209
1633397	1974731	2253003	1458271	1278996	1230086		4
2286585	2512132	1794548	817416.8	2563616	3318057	[M+Na] <sup>+</sup> 20	13
88557927	1.06E+08	1.01E+08	74492576	77589439	69848139		162
8456057	8282588	11424276	4453888	8567844	4357216		9
1798457	2549297	1832377	1891020	1954237	659851.2	[992][M] <sup>2+</sup>	58
4066706	3670363	846466.3	3298092	3154612	10235382	[M+Na+Na]	11
2763704	3914260	2619941	1732379	2908017	4398560		4

57407978	55581196	52057356	42391599	32739867	373664.1	[M+H-CH4]	6
34694191	22223080	30893885	43229382	33285831	18556326		2
734391.1	641544.5	835977.7	810699	1116736	573169.2		4
2782620	2031588	2834907	2490682	2014953	1355945	[738][M]2+	294
2448864	19258967	1827297	7782336	9410315	5895717		2
1321540	932021.4	1591677	1848767	912410.6	1159629		159
4801012	7563515	6059108	4599723	4502894	2558995	[1235][M]+ [M+Na]+ 6'	134
1077735	644776.3	2579316	1909906	1004211	359051.1	[191][M+1]+	4
1564925	2606947	1304335	653334.6	1729739	2260659		4
1345049	435969.7	290125.3	986782.5	819255.6	2021335	[M+2Na-H]	5
2363348	3167646	2880546	1901317	2149485	2527697	[671][M+1]2+	18
342700	269489.9	379040.9	471685	188803.3	170541	[M+Na]+ 2'	268
2553568	3448490	3510076	2349874	2527232	2171272		4
18747023	16005321	16557169	22674622	40962455	5797030		1
5372639	3585143	10782968	3504155	4619704	2414218		58
8176384	5812622	5771442	5766338	6708802	5902945		385
2094557	2309933	1851949	1182653	1957670	1781487		4
555369.4	2704627	3219810	3189838	3011833	2946291		189
2092123	3280614	2814173	1498883	2391262	2226763		9
2266201	3411218	3754198	1766432	3546529	770659.3		1
8116228	8879140	8142452	7876514	492104.2	9047589		199
2682081	5335535	4675719	1514270	1180625	2574477	[588][M+1]2+	1
1242266	1767454	1736332	752629	1502695	1034486		4
2851045	3834864	4457076	2190745	2395282	1541063	[730][M+1]2+	9
1858012	2657193	3841398	2478604	3300072	4058520		2
4306443	893043.5	1001109	3168624	4585375	2605800	[M+H-H2O]	3
1627375	1659515	3252215	2193267	531166.1	677449		1
9575142	3868458	7776143	9838307	5039351	3375454		2
1887089	2969687	574128.9	2243484	2819180	1179304		2
56885454	2170851	50401570	48220322	5322037	32553131	[1398][M]+	2
7823341	9692914	7687626	7148865	9791289	7890987		13
2370280	344979.8	1637636	2283602	719283.8	441373		2
337298.9	864134.7	91559.17	407609.7	592462.4	818072.8		3
1525498	3680109	3918832	878363	2111458	2609565		9
578189.1	1142393	1281895	563146.3	690764.3	467230.1		8

64221044	1146188	968203.1	72998535	1086454	1.01E+08		9
728411.3	0	847561.5	624503.8	783486.3	1094202		8
810406.7	1130772	582246.3	1794738	440552.1	681766.8		12
2292910	1975678	3992414	1943693	4431942	2112009	[52][M+3]+	9
644513.3	901869.2	775971.9	538572.9	159780.6	624170.5		336
2501853	2210475	2529102	1611410	2495122	1272093	[M+H]+ 33!	20
14686733	10302309	14497252	52073556	6511776	5288656		175
6187005	3342474	2552100	1635067	5369735	8735884		1
1425744	2195416	2100898	1008049	1144774	1918091		4
2896958	4844352	4548660	2264424	3304072	2478391		9
283003.1	515408.8	1044253	470379.7	439795	85179.12		9
2055697	1809580	1643775	1533799	715951	801626		159
2538532	3417203	3161800	2210963	2896557	3176029		9
3507017	5555500	4833906	4784929	4883733	4950147	[M+H-CO]+	314
3327131	2768040	2015186	2985506	9694451	1682380		218
1689903	1621239	81325.39	1492495	1386593	3436983	[M+K]+ 61!	21
16706.21	617815.2	600450.3	51570.74	206162.8	329377.7	[M+H]+ 76!	20
6459307	4331161	5180229	3356695	4084270	0		68
861991.9	1172312	1953892	796815.3	712879.6	126368.4		9
905321.3	1234688	1.08E+08	1.11E+08	702617.1	13291206	[395][M+1]3+	2
4602973	3690352	3349234	4215301	4579272	3737529	[M+Na+NH	14
1438760	1303249	1549677	5552214	2443371	2359157	[457][M+3]3+	2
4510994	8482653	8879856	3472652	5501746	4496000	[1313][M+1]+	9
1579178	2002837	1593083	783264.4	1076900	3653373		9
213956	273357.7	268852.4	175713.1	111851.2	214060.2		147
4198952	4210378	9995325	587626.3	3999984	3076177		478
11471028	3964469	8328324	11368658	9351140	1979141		2
2951306	508685.9	3817637	7244266	3029794	907490.6		382
2567538	1459030	296115.3	1935650	492004.1	1913408		12
1503540	2215502	1956652	1125334	1417000	1614013	[648][M]3+	4
2027912	1788731	2598204	2644927	131529.5	5717942		246
1818817	2732055	1761951	537389.8	1784650	2399739		4
1959078	2727877	3975834	2073700	2152207	423875.2		9
1108390	893605.1	104122.1	974455.1	2416285	3886247	[2M+K]+ 3!	11
1772995	513197.2	1201632	426876.8	1838728	1169003		1

7749850	7341304	7727306	9487572	8165102	6216466		241
1597314	4158929	2269857	2109299	1983323	571988.5		2
335561.5	213079.4	513699.9	225835.9	340028.2	13350.22	[1108][M+2]3+	159
4637802	8393797	9844390	3801686	5269512	3036175		9
183387.9	202298.8	248141.3	114526	359040.8	162529.4		474
855441.8	703054.8	1244755	575628.7	808146.2	462538.9	[M+Na]+ 5!	8
569144.9	857967.7	514075.3	394570.1	782674.9	723270.2	[M+H+K]2+	8
184251.5	175014.3	149669.3	228810.8	234785.5	504698.8		166
4245804	4353066	4355519	4740601	1653527	2626484		97
1116632	1362554	1669200	1082522	939420.9	1244681		9
507056.6	2315489	1707101	482967.3	1170306	883592.7	[1332][M]+	9
7639727	14485322	16588815	6498501	8374927	5700731		9
6868730	8614057	4820369	8045980	7608569	2402604		2
1278679	1514022	1318746	1110789	1299941	657406.6		4
1164033	1438678	1163310	1502021	705258.3	1660391	[1323][M+1]2+	134
470399.3	223971.9	1111287	427697.2	414437.5	187444.5		25
178250.8	2725283	1396571	108746.3	1489523	1166892		20
8619969	5907897	1407230	804835.8	2957278	19644898	[M+H+CF3O]	3
1844256	0	276908.1	1476399	1020708	1086786		1
2298826	4616159	3695709	2370807	4367646	3513793		13
4579388	7697057	10618107	3527796	4813978	2162113		9
1837349	4292934	8179816	1501312	2000146	1007589		9
1258042	2768279	3288348	657291.6	1423630	1382802		9
3148469	1850088	2607405	5846082	2565591	733316.1		2
798265.2	620409.2	488970.2	225154.3	1418511	2103034	[3M+H+K]2	93
1539700	1271367	3803617	711143.8	665679.7	663931	[1134][M]3+	9
3641429	1827572	2079061	2220337	2865148	1107952		20
469048.2	268900.4	513232.4	377590	474120.2	465207	[623][M+1]2+	51
2463122	3414098	691907.7	1794160	2336249	9327016	[M+H-C2H4]	11
110889.5	2045981	1184717	738169.6	1390483	1462079		39
2317973	2941646	2995534	1959388	2056821	2198062		4
1099058	1314755	1116334	1050299	1001070	1945371	[M+Na]+ 5!	41
2269096	12674539	11748566	20983945	29419975	25264887	[M+H-CH3]	3
1864849	5419555	5526954	1582976	1698994	2522095	[186][M+1]2+	18
821325.3	2087704	4718644	5953702	8508216	5591162	[M+H-CO]+	369



646565.7	658448.2	816773.3	564170.8	441667.2	412092	[1513][M+1]+	246
8897145	8946388	6057235	8891811	11729591	11267984		2
2859337	2258615	1794071	1252143	1738218	986638	[449][M+1]3+	25
4758440	4980824	6132981	997684.2	9750822	4594031		382
380650.7	1239025	1121638	340103	739616.6	673115.8		9
11469742	13346573	23905256	7403839	9989878	4614793	[985][M]+	7
1914230	3210643	1854555	2322863	2473251	1357594		2
836846.6	1083221	1196996	914607.3	833633.9	514253.4		4
594351.2	622045.1	822266.6	701489.6	1272514	596681.2	[M+H]+ 25!	81
31036033	49633848	36447502	28687135	31407753	40962388	[M+K]+ 37!	15
1727350	1551426	1494769	1216559	866291.7	835066.8		4
6660888	5956678	9279156	4667502	4877706	2021146		1
1160898	1695311	1783024	1430950	678294.4	1643513		9
4012992	1958038	4242370	3142555	2330314	3391924		13
41823060	50949813	52325081	34018863	37025347	68082151	[473][M]+	18
4392159	6588492	3770150	3152862	5335631	10446487		9
1791143	2250994	2267265	1189207	1649722	1745429		4
71637.93	786009.5	614913.1	34177.07	607123.6	560624.4	[531][M+1]2+	20
5474356	2719624	4654390	5419996	2328391	2689492		2
1209815	1405505	2483877	697164.7	791189	486259.2	[807][M+1]+	9
10401179	7733580	5964290	10775808	5958500	7831850	[121][M]+	298
6422341	6346005	8966162	5903275	2513012	5558928	[M+Na]+ 3!	201
121340.9	88513.21	339383.9	206575.9	238522.3	285346.6	[M+Na]+ 6!	57
369209.2	8987137	183220.6	139965	8062042	152565.8		99
1812633	2027298	1653768	1211121	1547240	1893510		4
8435816	10374045	10295915	14629905	12203969	6228543		2
1645007	2855752	3887339	1301589	1941321	603907.9		9
2662100	1027231	2311154	2593989	508831.2	0		2
5462665	7110376	6155320	4100630	5543406	7280565		4
14791945	20315811	13032727	14414128	25253945	14153752	[3M+2Na]2	15
57912601	83404614	65477360	18039275	46059128	43377679	[796][M+1]+	3
1642143	1335282	40352.49	380882.8	137037.6	134429.7		357
6048060	8049777	5767568	6397196	7165807	14067966		348
65938.13	108401.3	124464.7	122257.5	64858.32	30977.6		76
628761.6	995862.1	1274586	738479.6	522567.6	409723.4		4

723844.3	862055	1233082	1124453	493745.7	3086974		14
57170810	73455717	1.01E+08	47235539	93418549	68700270	[M+Na]+ 4	33
841458.9	1406853	1184063	501525.6	928578.2	1884993		4
867986.1	1531753	974821	1069769	822542.4	2216527		9
781249.9	1564616	1415281	649478.7	839514.4	1105510	[M+Na+K+]	8
1326382	2239874	1380799	915376.5	1095396	2276047		4
5817420	7312826	4110750	5247521	7228525	8450239	[M+2H-CH <sub>3</sub> ]	14
1936034	1544175	804523.5	1044107	2378556	1874803	[M+H]+ 49	6
6730864	3037540	11544425	10176134	2077340	2643455	[826][M]+	318
5024562	6549792	5762989	3818784	5124311	6854739	[99][M+2]+	4
3064699	4020254	4758157	2611375	2578431	5084454	[1418][M]+	215
1178404	1731063	1865441	1416269	858426.6	2020409		23
1613551	3051965	3833507	1499522	1874716	655118.4		9
597028.3	1101051	854703.4	548550.8	924173.6	673532.1	[1157][M+1]2+	62
5784327	3894506	3252555	3645446	5682028	3482241		184
1562208	1112635	2008747	1063557	1790144	240946.8		3
2809259	1518249	5869384	3033389	3430152	2492984	[M+H]+ 26	6
3955890	4085008	524695	189533.7	3503825	575185.8		156
463301.2	847401.3	724759.4	362007	471826.3	838173.4		4
538120.3	835861.7	836000.9	690948.9	683650.8	1134296	[526][M+1]+	281
7907400	11590781	2945654	5207641	3645252	6627788	[408][M+1]+	122
737132.9	1020046	456039.1	885675.7	496866.2	323837.9		134
1235522	657374.9	3903660	978173.3	1358511	2094256		18
1592986	599412.7	1056691	1332936	1253623	476601.2	[720][M+1]+	295
507199.3	834836	616731.4	477462.4	367558.8	531002.4		57
487911.2	824981.1	451606.7	542711.2	281894.3	779906.6		137
217053.2	233757.6	161100	411482	236775.4	156832.4	[3M+Na+2I]	134
2732939	4110306	4633166	2243544	2643329	1423671	[488][M]3+	9
2725367	2864779	2586009	2265240	1681687	895058.9	[1374][M+2]2+	2
1815432	2536492	2261319	2008255	827616.6	2016722	[3M+3Na+I]	35
4943974	8852172	5937606	4982159	4963975	12436933	[M+Na]+ 1	13
3656596	1752481	2849731	3068521	1219753	1125818		2
62883317	56174231	69433026	54382066	58698877	31210519	[1126][M+2]+	17
685557.6	1307123	2422243	569004.5	700117.4	768537.6	[325][M+2]2+	9
398437	679908.6	553186.3	423273.6	296433.7	467093.4		4

8371870	6219692	2295397	9511284	10240854	5872802	[M+K]+ 342	3
29133407	29178016	25384738	28480179	26587032	22374483	[858][M+1]+	2
336683.9	579967.1	392495.3	478013	296642.2	329338.8	[1519][M]2+	16
1466712	1166895	2941462	1936081	1177043	0		93
983306.6	1452826	730444.2	642973.6	1010729	1917162		9
5207622	10604666	12081204	3945897	5852943	5034922		9
43114065	42582562	36141061	37547212	47669290	47305304	[466][M+2]3+	2
315518.8	209596.5	151271.8	242550.8	230308.7	138312.2		143
1561233	2738828	1196157	786099.6	1610693	2731385		4
4193068	4036302	1015047	3153757	1284350	2453765	[867][M+1]+	144
6167464	9689071	7081662	2606181	6320163	8792724	[478][M]2+ [M+2Na]2+	12
105637.7	165417.7	29348.03	120402.5	99772.01	94283.66		67
694841.7	844782.7	620845.7	824388.5	733265	493217.6		32
15972109	17160867	23201324	7917006	17380940	5771921	[1337][M+2]+	139
741474.9	636119.2	454888.9	708837.6	343577	0		129
53703756	40733233	1214094	5430113	3686093	1.03E+08		3
725219.4	1137980	1991133	520902.9	626167.6	356837.2		9
1110682	1364267	627567.1	724526.1	1053774	1729015		9
4918909	3460545	5849233	4604322	4680274	4248082		1
312986.2	478981.6	289209	602868.4	241343.8	207339.6		366
14914530	29406530	35424120	9913281	11561519	17169370	[186][M]2+	18
3591826	1613497	3015545	3021044	1443361	11306228		2
50729285	16000866	6944466	46840584	12679477	32385900	[2M+Na]+	46
5986644	8424258	7875409	7837692	7665147	7246586		172
3744449	5838221	7082029	2440733	3279494	2356170	[865][M]2+	9
7111806	11758874	5971382	2596559	7238578	18978818	[M+Na]+ 50	42
403339.5	388556.5	1077086	786799.7	896148.2	255763.1		489
2967499	726369.5	2989323	2617001	1742274	238271.5		1
205550.1	1093658	631700.6	114814	580939	1304055	[M+K+NH3	46
10218602	8758363	12798800	8563936	8531299	4798273	[885][M+1]+	1
2017864	786369.4	3522545	2739605	1523602	1638848	[931][M]+	357
3029312	3267937	8176768	1393445	26535200	979845.4	[M+K]+ 512	46
3948894	3276870	5277206	3659553	4521467	1972341	[232][M]2+	23
3077265	2446366	1441272	1116747	3023816	1753061	[M+H-CH3]	3
847388.5	1459570	2267637	613191.7	629912.1	1054808	[3M+H+K]2	20

1059578	0	1528737	1392368	1035446	497500.4		9
220674	202751.6	0	71389.87	80937.05	90821.45		50
417800.6	237656.7	291941.3	278878.5	180561.3	0		66
3538590	4401717	2877756	4279917	5965235	9805303	[1338][M+2]+	2
15370392	19536491	18638580	12531379	14263037	14069028		4
3095467	918322	4992832	620798.7	3387328	1674384	[3M+2K]2+	15
3524478	4769841	3426094	297484	5169701	6895633		47
1679486	4159554	2334052	591205.8	3590195	5207743		1
46833544	42883474	19437341	67542003	60192506	45008050		15
4505113	3361625	8810158	4134964	5421081	2046617	[1279][M+1]+	52
5723847	2714740	1204260	7595530	2476392	11286656		2
704955.7	420072.7	635752.6	223959.7	463627.8	1374633		91
8748739	10742539	782260.4	8346888	13452081	3722376	[3M+3Na+]	11
930214.4	3042127	3063221	883803.4	1521784	1350642	[M+K]+ 33	13
877610.2	617706.5	322217.7	799126.8	1931923	609336.3		63
4523509	2570549	2648462	3447800	6470859	3289983		3
95592652	73347582	37000576	89372672	37471559	57158061	[206][M]+	103
10673904	16579577	20643792	4911511	7807775	9118343	[263][M]3+ [M+3H]3+	18
86606284	56189568	148830.5	77735380	53815373	45088681	[760][M]+	90
422880.6	926868.7	274464.5	163780	338159.3	101659.7		452
44176859	56811820	19725530	31728380	22808402	35608622	[582][M]+	125
5359786	4002039	6036636	7872450	5444594	5466758		272
15440036	19498294	18662133	12398405	14087095	14953990	[26][M]3+	4
27439749	50684218	56997835	22537974	30829312	24826802		9
40097367	26646705	13408003	36925855	12007914	26956860	[205][M]+	158
864166.6	1422988	410060.9	981620.6	989280.4	4862028	[521][M+1]+	2
2146027	3269949	2726631	1243994	2289520	2122328		9
838858.7	883881.4	672990.1	809756.1	645271.9	487706		31
283746.8	547925.7	900431.9	304370	451619	365572.2	[82][M+1]+	9
14676.55	567253.7	796029.1	30990.48	552007.5	360216.1	[M+Na]+ 3	39
696379.1	936675.8	1153727	938678.5	571020.7	284944.7		134
4008862	4327038	2739903	2604526	5784190	1778335		1
2717919	1630773	3765546	3810917	1848961	1471473		388
1012017	2242370	2630796	643371.7	899301.4	808828.2		9
35720500	29478988	24158428	33601011	26600936	13390725		2

49339775	1627413	5490000	48859831	2465055	56469140	[418][M+1]+	2
777335.7	1077136	646359.1	562952.8	1039110	977319.1		4
2433013	3694411	4741034	2966097	798208.3	2268888	[211][M+1]+	20
83874596	1.12E+08	1.09E+08	62055198	73914837	81341607	[724][M]+	4
150731.6	42192.45	46384.47	118990.4	105606.7	212889.8		231
2663051	4088343	2506988	1685899	4842593	2706315		2
562331.6	1070714	710285.6	590133.1	924325.6	875220.8		4
1589774	1128012	1195984	1053740	2511544	1434262		93
1944089	4571200	5373993	1587267	2225193	2933274		9
1108635	2070474	1738669	1506515	1295002	2159069		2
1803252	1505044	2501414	1496584	1351141	957048.8	[1508][M]+	69
3421021	3726930	2206278	372218.1	470007.8	1315332		91
1885672	1518172	1299925	1870054	1757867	1021833		9
952448.8	1162802	1062891	690766.7	687151.4	82640.83		12
1131815	476926.4	1040960	1182660	1093603	156993	[54][M+2]+	4
446444.9	1065843	1641626	229173.8	683110.8	1068732		1
491893.6	529133.5	665318.7	318920.8	461004.9	313144.3	[2M+Na+K]	134
203827.7	429711	272469	141784.4	138229.7	540976.2	[M+Na]+ 5!	16
6203288	5504703	4885889	4444764	5433050	3064078	[593][M+1]+	4
364056	331276.8	922040.3	243989.8	366740.5	282410.4		16
13691952	17161933	13491408	9375588	11968066	20211599	[893][M]+ [M+Na]+ 4!	116
819426.2	3235903	4375741	731334.8	159778.8	1959590	[M+2H]2+ (	39
628161.3	1247979	1027342	525308.6	667363.1	1000893	[2M+Na+K-	8
1963923	5188931	6378290	1482861	2387013	3266100		9
3004608	2801255	4279968	3063199	3107588	2715743		375
962073.4	752782.7	846766.9	807239	755680.1	192518.2		9
1663415	2812911	2369723	977933.9	1785295	2469073		9
933171.7	1502719	1185113	745390.5	1710259	1359475		13
781264.1	726233.3	480744.2	1383657	1507546	4355590		4
1419322	1901522	2355208	1508531	472957.8	985635	[618][M+1]+	9
2807515	11369075	12367792	4544360	4950108	9035661	[2M+3H]3+	18
318834.3	208644.9	264252.6	487317.1	239009.4	147423.9		508
15256170	19279997	18583929	12327232	14024342	14965441		4
49880951	30042212	35808881	21457954	45004302	38949433		215
5536203	55754.03	29030.86	3761392	1865114	739231.5		52

589473.7	865855.8	831306.7	875789.1	325810.5	402058.8		9
1682361	2563364	987203.7	3509582	2606339	1551896		2
6942871	6620206	3952669	8651342	6254701	6469958		201
6338877	8000777	6557100	6876789	7460753	0		2
1.48E+08	89129250	86292631	52530761	1.47E+08	3.33E+08	[M+Na+K]2	46
6943337	7596196	7455319	7637363	7370500	1686365	[1070][M+1]+	46
4539355	6136329	5174008	2862305	3818397	5782760	[1310][M]+	9
41056686	43287475	35137354	35768995	47399768	45952956		2
127160.5	206617.1	136203.6	93890.86	106470.8	160931		26
22638217	24378884	19392021	19613111	23404877	23275832		2
833255.7	268192.7	993841.3	1196085	1179015	1688965		9
6958326	12571973	9407970	4779696	8154525	10536820		9
1567776	1411653	2030594	2004419	1549563	1216010		275
1758150	1216542	1222880	2418482	2299421	1272313		14
256852.7	244514	284506.2	431459.5	232949.3	163627.1		134
1388518	2349714	1759716	1304925	2229286	1796183		2
46325575	46011104	44695301	38681706	36832582	44960233		253
894831.2	611069.5	1087747	899507	579669.6	134711		9
1180533	1906949	525825.6	812964.1	1497792	2029481		9
1343940	2535745	3073955	962708.9	1062082	5498780	[M+Na+HC	6
3389054	5919259	3938315	3720453	4935563	9363115		2
2702595	2420881	2406226	2612452	2499819	3150893		442
4213547	731213.5	7207876	5448617	1468115	1199380		9
182183.9	379616	701325.6	284385.3	250652.1	156317.1		225
861161.9	1313500	1518050	637970.8	730722.2	0		9
896555	857371.3	247351.8	2070147	309294.9	1268834	[M+H]+ 29	81
441907.7	1050565	350799.5	244184.3	600924.4	1382697		9
3501894	3051545	2566726	2338387	3019833	1267956		4
207213.1	1937191	367329.7	276253.8	28725.57	24429.17		479
1830512	3147739	2979039	1408491	1947415	1828601		9
1901834	3381354	3353414	1040006	2006990	1156583		9
14346785	10186886	11981119	11342519	11425231	9913170		2
528884.1	1079137	469896.6	710928.7	1009827	1147761		17
2294448	1672838	2205135	2277263	1516763	0	[M+K]+ 86	13
1290595	3175733	2190040	1050134	3071709	528617.2		1

1.35E+08	1.66E+08	1.24E+08	1.02E+08	1.37E+08	2.13E+08	[721][M+2]+	4
831365.7	1336566	1522055	659299.1	582079.1	783193.2		4
7950974	11750735	8572926	7393045	11701316	8016267	[846][M+4]3+	1
1072133	546380.4	647433.9	708566.7	1027473	766003.4		4
5613591	5864862	25050839	4589054	3411351	5413047		2
2499590	1385335	2705372	2929592	2474325	218701.8	[M+H-COCl	14
11669937	20618872	17531295	15775567	18242066	14889454		9
588698.1	350094.2	664084.9	392646.2	750702.6	0	[1358][M+2]+	109
9178288	16824364	9165848	5973177	10122096	14165527	[M+2Na-H]	46
2827423	4671782	6527522	2194914	2375320	84518.36		9
5210144	5801396	3568617	5039045	2925107	2586623	[M+H]+ 37	11
21008699	9658927	2880458	26109892	11737941	26451030		155
47398700	59647333	57691179	37334359	43911925	47531813	[484][M]+	4
1471242	2677792	1693635	1558010	3334166	2195433	[538][M+2]2+	9
9191620	6683144	6199594	5199572	5001239	2575147	[822][M]+	83
513099	1313767	314891.4	379489.5	918470.3	2335475		9
902643.6	1649875	1331184	1964710	1176351	217124.3		2
801562	615719.3	842166.9	528927	772823.1	0		4
1054643	2307976	3705016	893972	1609161	1320420		9
4986208	6562738	6329525	7607806	6237614	10072042		279
1.15E+09	1.23E+09	9.65E+08	1.04E+09	1.25E+09	1.32E+09	[1208][M]+	2
6769237	12789711	9360812	4952926	8770293	10375831		9
1673885	2229001	3334020	1583916	940657.8	837959.6		29
1059632	1893668	3104755	654708.1	1032214	212695.1		9
8935506	30257179	38745449	30463036	13080052	10829059		9
1.12E+08	92112622	95292220	70091069	94631254	47518622	[426][M+1]2+	65
857421.2	1867515	2063706	838539.8	1883358	1085770		9
606386.8	717431.1	444245.6	357337.2	535845	629717.8	[M+K+NaCl	20
634938	1366710	479459.3	175562	583202.3	1395270		13
1609497	689506.5	1245287	1425185	862567.4	697057.7		46
591434.7	1786717	1923768	908111.6	364607.8	831984.9		9
6950235	5398398	6940947	7300412	6391408	4804585		137
5543757	3910355	6723566	3584550	4314335	708951	[297][M]3+ [M+3H]3+ !	38
15795799	20108877	15636681	11786521	16096215	19109529		4
988807.2	589003.1	2326441	1050218	1719627	619597.3		179

700237.2	1598755	1826110	375919.5	714044.4	1274450		9
31853265	49532483	30239263	19650945	24219519	28660012	[1211][M]+ [M+H+NH3	101
1788024	2307998	2816774	1523858	1846554	117834.3		9
4662370	2952183	3603094	5172697	2677585	2255927		2
2748913	586393.6	1754044	3012672	1293393	1094659	[1213][M+1]+	2
459689.1	721355.7	538835.6	334095.5	252974.5	393580.8	[173][M+1]3+	4
1638171	3116149	3966086	1200578	1328351	4374224		1
832587	619624.9	932272.9	474831.5	834137.6	1115320	[1173][M]+	17
2240068	2177305	3011789	1471852	1693918	3230169		12
2509660	28740375	15443432	2156449	2358365	1223178	[M+H]+ 21:	3
1.97E+09	3.26E+09	3.07E+09	1.37E+09	2.12E+09	2.49E+09	[151][M]+ [M+Na]+ 2:	18
3406424	5637380	6744222	2336894	3315582	2155049		9
454613.6	513395.9	367390.3	416962.8	246933.2	464961.7	[911][M+1]+	395
579782.3	1431550	1210577	864534.3	570424.7	738020.7	[1429][M+1]+	134
590183.6	1007029	819771.6	779346.2	731364.6	555927.8		33
128862.7	509979.2	533029.5	85958.38	487316.9	146772.3		81
630958.3	693388.4	1228224	799231.2	1154953	390562.6		9
6315431	1118728	291213.6	3688782	3364940	5902412		41
1238793	2971359	3491977	874486.7	2046310	2126037		9
448322.1	1076862	1096063	389632	569033.8	897868.7		2
247939.6	609829.2	631581.9	426035.4	515273.4	492976.4		39
1.27E+09	1.35E+09	1.11E+09	1.15E+09	1.38E+09	1.47E+09	[1298][M]+	2
332937.5	891562.9	1310215	243080.7	165903.6	1395725		9
7546510	9935780	11679588	7450691	7437432	5739616	[603][M]3+	9
2954397	3838208	6076393	2602389	2571924	455471.7	[71][M+1]+	9
5787841	1937512	5508249	5683396	9220714	5527994		337
7566889	22088336	12670099	6796856	11817815	22192843	[M+H-CO]+	3
3004265	2792338	2228709	3066469	4151011	2944286	[M+H]+ 41:	15
1405446	1875577	2364870	934499	1068804	1050073	[M+H]+ 37:	39
2718858	3397778	1706151	1685771	3402989	5630656		9
6081678	13082065	3217041	4119751	619901.2	1606135	[M+2H-CH4	3
6062160	7783200	6242543	4623999	6314270	7358810		4
53967017	20199571	47179485	45357963	61175148	1790782	[768][M+1]+	49
5630332	8944825	7705258	4152181	5984598	8771008		9
1255807	1696855	1007546	417283.4	1335397	1762050		4



2.31E+08	1.97E+08	2.27E+08	2.49E+08	1.89E+08	1E+08		55
13316860	4118073	7751003	14023155	5684529	745379.7		2
3872323	2541516	6257140	23069888	4039857	3413226	[1244][M+1]+	163
1731760	2617157	2053337	1574175	1368166	2799202	[3M+2Na]2	23
506716.9	604182	168191.6	521657.5	794709.8	494163.1		9
5155969	7090137	10251627	3921301	4346871	1344482	[807][M]+	9
758255.7	1130438	1384076	436314.2	458279.6	1476717	[M+Na+Na	38
3119424	4041898	3699361	2516676	2953002	2951485		4
540831.6	496165.6	813593.2	226563.9	564866.2	608781.2		462
4798067	8350958	9711414	3721451	5345014	3436883	[350][M]3+	9
575669.3	462760.4	719168.9	1028781	507780.6	433297.7	[M+H]+ 89!	12
763022.8	11001533	1142225	4962036	12746362	8196267	[M+H-C5H8	3
1296242	1285144	425944	282318.7	278874.6	676555.2	[130][M+1]+	4
5281370	3333196	1293600	4624690	1165547	3238614	[205][M+1]+	158
1216546	2156999	1616695	1950120	1246432	1045187		9
1011434	1375677	3707894	4010099	3752175	5124169		121
520944.5	930344.2	1434904	490574.4	593185.5	175307.2		9
865981.6	1422758	1194513	1975506	410332.8	848430.8	[374][M+2]3+	9
1646009	978925.1	1125425	1876441	920692.7	2567294		1
5034314	6409820	5696383	3797190	5106834	6904284	[157][M]2+	4
8387009	11624635	8517948	6839650	6110018	6255262		191
4145243	2628712	3816246	4205136	4974209	7083908		9
338074.1	506077.2	615000.1	393233.6	380008.6	182284.8		4
1642753	2655927	1955621	1046982	1375657	2930480		4
4259063	14293166	25115114	2120214	2565799	4352187	[520][M]2+	52
4128177	9755323	15836949	3366689	5072819	3872646		9
927134.2	620775.4	1421998	251590.2	946747.7	520707		38
194735.6	178906.2	230363.2	184213.7	241398.9	161128.5	[1027][M]2+	42
939500.5	1070021	203371.2	1740847	1042274	969905.3	[596][M+1]+	44
1627605	2466745	3711034	1593086	1837578	6210603		9
2398622	1704342	2366541	2468380	1836492	851839.1		2
1049925	1260531	1653081	1053620	1039791	576678.2	[177][M+1]+	4
959077.4	3008032	1387233	2717145	5942411	2873237		1
1972391	1760900	2126982	1338353	2834165	3388511	[1180][M+3]+	17
1791415	4169386	3443998	1138217	2326599	3804845	[1093][M]2+	9

1845825	4166505	4054737	1234963	2246089	2711996		9
7982796	6923069	6454420	7839031	4038926	4776410	[M+H] <sup>+</sup> 58:	20
466350.4	948940.7	790854.4	408836.2	499493.2	577631.9		4
482031.4	364609.8	163857.4	786754.9	373923.2	586734.9		309
933486.2	1128332	1182459	1213950	759774.9	495837.7		9
8713093	7713797	6454948	7721060	6350194	5936646	[5][M] <sup>+</sup> [M+H] <sup>+</sup> 16:	24
1054021	740989.9	1420636	704930.4	2612344	2653124		2
9282074	2046416	6994220	9939936	2959310	4065499	[1253][M+4] <sup>+</sup>	2
19614627	15407658	21126247	23667445	12578730	3353959	[383][M] <sup>+</sup>	204
1091112	1164787	1374818	1064228	1204112	698649.9		4
5852677	3479623	8272626	3774996	3484551	3727059		375
1237330	2649106	1949041	1447126	2336835	2400884		4
157435.9	171182.7	386618.7	223256.9	183973.4	107400.7		141
6092743	2483814	1606443	5800341	5061703	0		1
3219405	4803332	3237551	1570368	3136578	5791553		4
1108125	1846752	780676	873806.7	1527859	2174794		9
672227.8	445123.7	663218.2	692342	359414.5	308944.2	[349][M+1] <sup>+</sup>	319
1060904	939733.3	912631	726551.3	589148.5	600660.2	[137][M+1] <sup>+</sup>	117
902688.3	978649	1229672	988955.8	903445.9	409299.6		4
1397733	3089827	2130132	1114443	2265831	2510368		9
251997	209201.7	369124.3	605381.3	509310.5	990652.7	[M+Na] <sup>+</sup> 5:	33
1336569	2100962	2649742	1297542	2071061	562369.2		4
1634991	4135872	3952820	1149349	2210470	2836850		9
13558626	19453754	20402555	10832118	14153765	12443499		9
1457880	1833968	18663509	1983076	1345827	18233866		9
498545	1167968	729348	362506.8	821049.6	977453.1	[3M+Na+K]	13
485575.5	492833.6	496490.2	206277	135626.4	422046.9		328
3654933	5994988	7150109	2412556	3575324	2067033	[850][M] <sup>+</sup>	9
114709.8	1523104	1464916	241817.4	1230100	1343785		9
5482513	6870897	9724473	5170621	4636796	3668389		9
493079.8	1462578	677220.1	348758.8	648078	761790.2		137
69244880	1.05E+08	77465788	92523194	45210582	1.12E+08	[M+K+NaCl]	13
6210005	12701823	9598727	4747318	12619802	9357980	[1615][M+1] <sup>3+</sup>	9
354744.1	1102475	1756474	602804.4	690524	857819.4		1
774817.6	417595.6	862909.5	373327.1	1007799	735744.7	[3M+H+K] <sup>2</sup>	5

184532.6	183507.6	230765.1	182958	201790.9	89188.49		16
28014573	38503299	48800980	9576507	26814130	23778029		315
1599317	1628009	1529715	1495673	1581982	1037544	[196][M+1]+	25
946251.4	2291131	1631159	824952.5	1207094	768358.8		9
720754.9	656800.3	596840.9	490762.4	431260.3	118549.2		283
882409.1	2548722	5979083	42877504	40446523	4908598	[M+2H]2+	3
3099679	3864374	2238486	27381298	4826255	18620201		2
1398734	7704965	8645494	710689.7	5531308	3643192		20
1176246	1565756	1560202	1006464	1261010	587385.7	[376][M]2+	4
4089498	3597082	2526236	3572815	5396605	5110686		14
4602418	3008337	2905174	3606940	201441.9	10187676		1
1501965	2065789	6016342	798608.1	5258115	3506245		6
767873	473483.8	558848.7	4998755	857358.2	8165420	[M+Na+NH	5
1489703	1125790	1162111	1307984	1424290	146310.5		4
2315855	9649892	1794880	1637025	9084991	2409436		21
43165953	42704051	29689765	37639692	47639100	49338553		2
16450879	7669332	16824736	14377566	18574447	2259386		1
847313.1	4924542	2094383	2554573	3488493	5509796	[M+K]+ 53	3
4628990	7831565	10559623	3661881	4924751	2114781		9
731202.9	596871.3	915757.5	486514.8	695527.4	411069.5	[1224][M]+	23
3573798	2129498	3469817	3439582	9977218	3376871		385
4899251	7783272	5201337	3092702	4004669	7272757	[1116][M]+ [M+Na]+ 5	101
2897520	3273215	2824860	3342065	4798093	4121064		295
539422.9	285115	361975	399856.4	456945.6	0		204
1137362	2379902	1654264	612128.7	1436513	1919645		9
2778388	4087111	2953261	1559073	2733307	4629990		4
12843087	18668530	9758085	11801247	13770596	15233878		2
3843882	1710488	3298216	4042951	1443057	2426276		2
38634675	30689460	38855811	36854933	25548394	28294143	[271][M+1]+	61
2031851	964289.4	2274675	913960.5	1453838	2276283	[925][M+1]+	23
93008.38	304494.4	404404	41879.56	257700.3	129310.1	[M+Na]+ 3	20
13520024	24007043	373614.1	268489.3	260442.3	120434.1		51
85170276	3E+08	37217833	76994907	48127029	3E+08		216
399451.6	1440614	449394	936715.2	751136.1	2265410	[207][M+1]+	4
14930336	15920276	14065015	12272123	13396162	19312643	[402][M]+ [M+Na]+ 3	72

223010.6	512837.7	470989.7	0	56855.63	394713.3		81
1268104	1829364	2358244	1275875	3261508	5306294	[839][M+2]+	1
3532025	3383520	4716221	4691452	10956988	1196795		1
1054438	1100804	1146512	119325.1	1143142	322418.5		1
328151.9	366697.8	302426.2	270083.5	362990.7	448219.7	[M+Na]+ 5:	42
1231894	1404292	502719.8	698095.9	913691.8	1259015		12
1.53E+08	2.72E+08	1.93E+08	1.17E+08	1.65E+08	2.16E+08		1
5143598	1893239	3638157	14554769	23162452	13293181		21
688003.1	287979.1	1101141	1049523	505316.2	211807.5	[1084][M+1]2+	38
600616.5	1299589	696960.5	388245	615010.7	1088927		9
1334276	864380.5	1491077	1230489	861781.9	0		9
3492497	1936256	1525043	4978360	3176455	1241418	[M+K]+ 18:	46
1770911	1519181	1480521	1785550	1238076	1447792	[222][M+1]+	61
596249.1	1008760	1024476	757209.8	916124.7	531000.4		4
1094880	1235119	6934965	281744	569227.4	7020697	[998][M+1]+	101
3967264	4340829	3646652	3428796	5078219	4884145		2
4403939	8026974	5980669	3138080	5808665	6678428		9
131146.5	240482.2	531276.9	1639942	1611659	134273.2		281
15810417	1096605	12074223	7425731	12899707	7835229		6
2323411	464575.8	2109293	1429670	813335.4	2365736	[M+2Na]2+	8
791897.8	860685.2	380390.3	450166.6	947861.4	365707		4
1171711	2540345	1088383	1104425	757713.9	1474500	[1100][M+2]+	101
6166119	5812618	7599719	8432593	4730342	2691264		234
2071667	3995020	6055407	1833696	2237487	1667946		9
2922325	5285924	5857056	2036720	3905630	2848588		9
2639593	4042311	2067745	1837736	3448253	5941573		9
14960963	19748119	17849154	8066559	6614245	11822915	[M+Na]+ 1!	20
5399605	10327694	11857754	4139435	6022914	5034173		9
5390495	5036334	5345557	5302788	5273210	4907032		307
2702357	2700039	3771973	4037413	3501057	9186308		1
4196862	5389029	3961976	3136221	4086176	5905385		2
35132273	23770345	45426186	20418893	27482959	13204236		85
2519496	239917.6	18161417	23158596	2038149	4307735		2
1438042	1514811	1521884	1270376	1376146	1182066		4
1451966	887262.2	1278790	1390725	1049041	2980318		2

1.69E+08	1.72E+08	2.27E+08	2.12E+08	2.16E+08	1.38E+08	[M+H] <sup>+</sup> 37	3
2152128	357007.1	160526.8	1171302	1248344	2731901		1
4948362	5461844	5065828	4747934	7461991	5144736		191
342613.7	1111195	566548.9	394965.1	378544.1	2181115		4
721842.6	1663792	950283.7	1062131	1026469	1393623	[1411][M+2] <sup>+</sup>	49
2334075	2714613	2255832	1743640	1984698	2776675	[700][M+2] <sup>+</sup>	31
1651572	2967380	3812691	1315567	1894894	692201.5		9
887239.2	1477563	1605923	855350.2	640086.3	603751.6		4
307346.6	104801	155280.1	326984.9	155355.5	263455.8		63
666473	662127.8	701253.2	262765.1	1561567	57993.62	[M+2H-H2O]	12
1.75E+08	15486057	2760333	1.26E+08	2.05E+08	17663633	[M+2H-C4H8]	3
39733560	69917575	44168917	20863561	59587441	1.24E+08		99
932262.3	1344743	1936937	1666660	834715.3	1927073	[1502][M]2 <sup>+</sup>	23
341398.9	471155.7	944656.2	394993.3	238867.2	355927.4		4
7395698	7125801	5117622	3997124	8991403	6804522	[694][M+2]2 <sup>+</sup>	15
6148156	2996674	3935671	2203931	4058907	7605778		208
4717103	2327948	2570956	5097589	2205602	4060563		2
904480.9	1401774	1693974	1014999	715232.3	0		9
1874735	2082601	1903860	1790302	3163268	3659458	[1136][M+3]2 <sup>+</sup>	2
1831090	1798934	1766949	2074567	1533772	850755	[326][M+2] <sup>+</sup>	55
6211814	12483007	12551215	4144215	7059089	9931537		9
790584.4	1109368	891264.4	703181.1	773055	856091.1	[2M+H+K]2	134
379825.5	469650.2	803467.1	964849.3	209084.4	406802.4		64
7214752	6918195	8372023	7171445	6839956	6515314		310
587065.1	688275.7	392252.7	530158.6	439394.7	321865.3		319
2238800	1532574	1889890	2774413	1037910	1651770	[M+K] <sup>+</sup> 36	20
1931094	5020527	462814.5	3153116	1492038	1499133		1
688801.5	989918.8	1376350	478016.3	740130.7	278757.4		9
4654774	3855641	4325927	3129136	8174305	4319810		425
6504093	664549.7	5363973	7030453	1104448	4957535		9
1345374	1882642	885466.8	629700.4	1401690	1994093		4
802333.5	1590341	562961.5	1811428	2616619	1218415	[M+Na+NH <sub>4</sub> ] <sup>+</sup>	3
23400563	2820171	1188934	18112576	26089379	1420857		3
1699338	895575.3	137915.8	1072407	2972419	2481519	[M+H] <sup>+</sup> 30	3
2351534	605349.3	1371074	2957289	1491035	832651.3	[144][M+2] <sup>+</sup>	9

4530917	4647493	1397112	4120765	1048599	6886875	[919][M+1]+	1
4193813	1488571	157601.3	3020060	2197062	2599434		21
837536.5	245715.9	1040341	682625.8	801715.9	2115541		9
3798856	1025630	2037031	1393416	4792594	6545591		1
510048.2	403333.1	267262.9	416495.8	337151.3	195835.2		91
690694.8	560728	1215707	497695.4	552656.4	577028	[M+H-C4H8]	39
2174886	7721552	4510946	4381858	8236689	5612008		2
1860020	1490627	1056120	2232741	812846.4	830772.9	[M+H-CH2]	93
748868.1	1533011	889907.1	610094.9	196513.2	637135.1	[1314][M+2]+	101
6420999	6060276	5811058	4006385	6851833	6776311		321
384337.8	52483477	46363394	37851641	67520914	66458001		76
4339499	4451076	5514824	2489064	4424530	4032915		375
1.41E+08	1.13E+08	1.7E+08	1.13E+08	1.23E+08	25979603	[M+2H]2+	38
3918251	4433083	6247214	3175270	2805008	1396278		9
8150291	11249390	4500559	3160913	560491.4	19434420		3
190712.4	240379.6	143747.1	205464.5	195683	66582.13	[645][M+1]+	25
1336451	3247886	3596785	992806.6	1847506	2042173		9
407387.5	470135.2	495655.5	359656.4	267628.6	189946.9	[881][M+1]+	160
864438.8	1434755	673277.7	485256.9	1060818	1230607		9
530660.8	1090608	1054869	128100.4	486547.3	3205319	[3M+2K]2+	11
5781581	6032487	6242471	6623655	6328372	5375923		266
1.01E+09	3.55E+08	8.65E+08	9.18E+08	1947758	3668887	[424][M+2]2+	2
1714894	969805.2	1285364	1078165	1157355	105620.8		476
809511.4	860182	910638.3	566992.9	969399.6	1168056	[1176][M]+	17
12129159	15437152	13236238	8813069	10959561	11115354		4
8937902	2351306	7984541	9700536	2561260	2531815		2
695707.9	991406.3	624108.7	681491.9	613859.8	345449.6		4
1754747	1645519	2198281	938307.8	1662160	1548358		18
345763.9	197313.6	394250.4	1025112	239522.1	516282.1		28
3128620	2681942	884829.9	2276129	1821716	4414653		86
2727504	3361641	3279083	2338202	2797296	5442199	[473][M+1]+	18
966166	6417287	580663	1414300	3510595	6715400	[M+2Na-H]	3
5148553	2833415	5666092	6875518	5746270	4732205		2
2652067	5593592	3763754	862367	1466652	4950139	[M+Na+2K]	3
6271219	10356589	4278213	5121708	8634475	14875640	[1006][M]2+	9

1211952	583134.7	736094.4	1625859	1280413	79882.37		4
61091.23	78150.99	80655.76	55546.36	78448.54	42452.06		116
1689935	2927606	2065341	902896.8	1849078	3062334		9
1599517	0	1421213	2147645	1612946	300920.5	[M+Na]+ 80	14
582564.2	1541421	1426192	291378.4	863445.1	855374.4	[M+K]+ 363	46
1535959	1422618	1957875	1447838	1538436	585457.3	[1071][M]+	17
3741406	2122859	2756203	6151413	4153807	1186169		2
755381.3	2474978	1204930	581720.9	1358118	5588026		9
8293367	8610151	6984142	4313553	4672266	6821383		2
407977.3	493799.1	399873.2	538990.8	419126.6	740507.7	[M+Na]+ 39	110
2239430	1449240	647765.3	1402665	2812374	1711638	[17][M+1]+	1
309696.5	1066541	1286052	423339.4	545511.6	1504071		9
2278120	3731737	4032753	2021766	2167276	2359506		9
771217.7	2773951	482347.1	847857.7	629577.7	4236731		4
16913992	13427875	30515011	52156431	49652139	18056454		9
2757117	2771888	3280379	2734294	4353118	7944359	[356][M+3]3+	2
8250628	12082292	13685842	6470372	7884243	10070678	[M+H-CH4]	20
312255.8	317222.5	247917.7	220390.4	232420.1	0	[M+H]+ 92	159
868203.7	1208320	2042110	637083.7	737074	642042.2		9
17069181	7185118	14327981	11836299	13482151	451347.6	[527][M+1]2+	150
1025319	1963180	2385169	629477.6	1435377	704549.3		9
600657.1	1171889	1485338	470122.4	612153.9	509850		9
1919479	3631961	2863074	1249993	2469234	2939047		9
646321.2	2469415	2327407	421265.9	1123134	802610.4	[M+H]+ 183	14
913259.6	1477109	1426184	737666.2	1026845	348179.3	[M+H]+ 323	8
17937230	18152608	14536895	13791224	20881463	21411488		2
13469966	19888283	19946879	10635709	14016517	12739807		9
131161.4	206645.1	190292.9	304834.3	99675.8	219184.1	[3M+Na+K]	16
3433676	3511730	4066547	4082591	3327358	4592342	[M+H+NH3]	159
71668869	62039241	62398479	67932009	49674673	49430105	[141][M]+	126
2961169	4245229	4434656	2658588	2816366	2633796	[968][M+1]+	9
1011868	1445445	952745.8	676507.3	1100394	1802465	[986][M+1]+	110
3040369	1560421	2946440	4302386	1804109	0		2
2182922	5031903	4564135	5100533	4191298	11073342		1
576007.6	293158.2	891989.3	687873.6	523013	627818.7	[1128][M+2]+	196

3645544	7597525	3542972	1539998	3579236	3331467		326
3257337	1442398	3109948	3771100	1480591	7035589	[M+Na+2K-	6
5413491	5227504	7040339	2338655	5062619	3461642		335
13417436	17196307	14954556	10058476	13417557	18936968		4
5118783	10385427	11508816	5921745	7139437	6857694		18
2156813	2743861	2317737	1860740	3394429	2218549		9
4350326	10090763	2738325	3860930	4301261	3386906		411
2011054	3280970	3162452	1492805	2089192	1852136		9
570689.3	808523.3	874327.6	394567.7	416759.8	145748.3		4
251051.7	90932.42	414925.3	265097.1	1855028	242509.7	[319][M+1]+	256
132636	178601.8	142300.8	157242.4	147748.2	86912.74	[119][M+1]2+	17
490511.8	422316.8	929216.9	389980.2	888780	365480.3		62
399270	1507638	962218.6	103667.2	99458.82	678173.1	[M+K]+ 332	46
6329090	15702919	8907853	3471815	12825403	15724124	[3M+2Na+]	3
795968.9	832105.4	776898.7	122511.3	609153.8	1515069		282
1684781	4156818	4086690	1190994	2156342	2846517	[639][M+2]+	9
4319291	4613439	4422573	3805333	3679215	4230657	[355][M+3]3+	2
14552436	17093419	18077725	16143215	15662683	5543701		13
4349069	4935438	4227613	6374327	3199563	4203173		344
7650902	10893249	3509647	5321768	3797746	10377429	[662][M+1]+	125
962184.1	1607924	2478535	895927.7	1160320	80713.74		9
2578563	2247078	4146338	2144689	2419527	2296512		2
7615067	7189904	5911587	2661643	5952256	6030172		325
623739.4	530790.9	819171.7	691521	403922.3	83323.61		240
793599.5	870457.4	655849.1	204555.9	1349183	3446245	[M+H]+ 310	97
2348606	4887563	3415563	1308396	2840323	6239400	[1090][M]2+	9
4315475	5499404	4699991	3207793	4248180	5771530		4
5176434	5830093	4798950	3120440	4774310	5393260	[220][M]2+	4
3685155	1748147	859374.9	3127361	4958524	4463736		1
621826.8	635006.4	426899.4	655338.2	410818.2	459580.7	[214][M+1]+	124
7966457	7489808	7489839	8999645	6923330	6607360		174
69989234	60902473	64796063	71538640	72742909	44536301		2
2669030	5121053	7413711	2735054	3088811	941235		9
1458394	2048013	1597610	1240516	1718444	1979326		4
3589708	8783981	13305484	1641111	1882563	5072322	[933][M]+ [M+H+CF3O	20



1095582	1035876	5814956	8189269	9127531	2708580	[M+2H-NH	6
145711.5	135884.2	118467.5	91610.49	139318	96201.45	[1112][M+1]+	211
18214840	25478411	19170515	12096890	17967725	26565291		4
4253941	6501663	5407696	2813884	5144966	5601622		9
7432643	5684137	1955467	5816216	9225446	1988792	[M+Na]+ 5:	3
1646155	1449954	2556114	2127705	1318882	2399012	[M+Na+K]2	57
4107131	6697935	6224290	2902539	4791287	5400427		18
8795570	2006059	4025047	8807923	7862716	3108617		344
13580576	9149695	17058890	18527795	14900302	7367510	[1411][M]+	49
539249.1	959714.6	791975.1	400713.9	669566.5	1025596		4
1395502	2645211	2864050	927050.2	2088871	1792773	[3M+H+K]2	8
1521795	849914.8	1039031	832530.4	1092355	701176		4
362148.6	983318.9	1328271	2131148	454178.2	574278		9
1363998	2138425	7018474	6471513	2030430	4892468	[1142][M+2]2+	2
1080144	590168.2	1133722	1471925	1096248	0		1
5489331	5196790	2615750	17044563	183159.5	3979614		242
683767.1	1280947	995442.2	614605.4	859461.2	667043.8		4
1028228	2095160	2103790	1554936	1386586	1147537		4
159106.4	0	351990	207446.1	910632.6	1786744		2
8039060	10781099	7760362	5926050	9191314	22455632		12
1337117	1502415	1524510	1207705	1289608	941818.7	[926][M]+	148
1187544	1679557	596849.5	2263661	1652254	1907008		4
421004.1	296929.5	585262.4	688746.5	138776	191748.7	[558][M+1]+	136
5165926	4646296	5825429	4683312	5118344	3512266	[M+2H-H2O	14
5471969	3251616	4527848	5504780	2155810	3065692	[469][M+2]2+	2
2341618	854274.7	2258411	2398358	1014729	1240139		9
120115.6	135289.1	171008.8	88118.37	117198.4	42417.14		76
2246370	3509804	1181637	1589113	1594787	3590414		9
254797.4	300991.2	435471.4	374941.6	345305.8	72697.75		4
253934.7	266719.7	204500.3	145291	266712.9	409623.3	[601][M+1]2+	232
3271200	3109011	3896713	2277313	3208384	2794030	[M+Na+NH	11
2843970	2769889	2044084	3276539	1426497	2418732		225
2347840	1543104	2442038	2477598	1247654	3930454		2
5226425	893363.8	1153727	4560946	3633983	3110943		9
18095162	23065159	22639273	14601971	16991934	17773680	[112][M]2+	4

2644816	4611915	2142923	1980363	2104454	2798876	[1078][M]+ [M+H]+ 59	101
1354053	2853428	2776742	789229.6	1297280	2375370		9
844043.4	1480439	996780.7	720685.8	946427.5	663902.7	[682][M+1]+	44
3951201	1127408	832036.6	294167.1	333182	4703398		156
23466520	31759126	25789919	17633103	24142486	34467124		4
2015443	1781348	1720265	1589390	1272676	654568.6	[M+H]+ 41	33
573418.3	714603.8	419144	560651.4	402726.7	387602.3		105
2291210	4854289	6066004	1764936	2367931	1297176		9
26357236	32774483	30420388	21005357	25123097	19702187		9
813423.8	1204005	1107488	699391.8	718522.8	1694863		89
616431.3	1249673	845506.8	338108.9	670016.1	483397.9	[M+H+NH3	41
574356.1	1819073	1459576	849354.7	1393797	694642.8		9
849690.6	1440492	1107998	348431	716614.2	1256782	[1402][M]+ [M+Na]+ 7	101
1326925	2024051	1578965	1267044	1389325	2022672	[548][M+3]+	4
1205893	3019280	2723188	1464269	2509940	2282606		1
9651187	7972062	8293932	8898792	6408929	5975108	[141][M+1]+	126
3051475	1029863	2718458	2948653	2027678	3506171		2
309710.5	232524.5	1728292	2978698	1399551	582092.8		9
5515237	1811617	5109796	4894286	1.06E+08	78242436	[M+2H]2+	6
1347777	967908.2	1468157	1980268	1113634	751086.2	[1561][M]+	123
264577.7	1059766	1136734	729009.3	917441.6	425656.9		4
665200.3	534346.4	3963733	1528617	576922.6	3408469		9
1066065	1314324	1156762	604678.6	909269.1	1640281		4
1595174	4289004	1040588	560804.8	3397776	4932773		1
993573.6	1365548	1429579	897319.1	1124508	850776.5		4
3365112	2092223	5017018	4904837	3826515	1685628	[1500][M]+	367
2911882	3721475	3734644	7008078	3639989	3644080		364
5666979	3431384	8873922	17739653	7613798	5003068		308
4645070	3740258	3390488	4256084	4915947	933062.1	[M+Na]+ 1	13
686439.9	628710.9	661506.6	829986.9	499409	362508.4		173
2406769	1764670	2851196	2745123	2753424	1213566	[1308][M+1]+	275
202574.3	650320.9	1441119	0	584834	0		2
1340836	946514.7	1244646	283038	1170259	684508.4	[1023][M+1]2+	343
4085960	700601.4	856987.5	4455834	4338912	235172		2
4361275	2437672	2214536	2295114	2397963	3717567		474

960018.4	1216333	1200039	742225.4	853286.6	827524.5		7
701858.2	254463.9	1312612	1064928	1781474	81380.44		160
7429273	11954102	2119875	6677789	2274582	17452074		3
688588.9	1475453	1522102	528785.4	373164.8	688231.9		4
570005	1384665	1161003	590952.2	322070.8	964693.6		4
384222.3	362298.8	426483.7	342309.2	300255.4	209846.2		186
644210.7	812709.8	639188.8	317410.1	319502.4	953044		4
4173215	4655675	8530275	1501460	3138939	3685461		155
3193601	770081.3	2843434	4343142	1661541	1931999		2
674733.4	974777.8	643733.5	550307.1	771665.3	289476.9		4
7432824	4791787	4914436	4116590	9085747	1723098		438
3.26E+08	3.77E+08	4.42E+08	3.43E+08	3.57E+08	2.65E+08	[549][M]+	9
792726.6	1374944	2229315	754608	820451	316577.6	[277][M+1]3+	9
1756278	1815884	2702400	1328108	1416611	295021.5	[70][M+1]+	9
2061040	1209607	3797280	1797781	1641176	188268.6	[458][M+1]2+	139
36671893	37039212	38457393	27432590	34495561	57819986	[M+3Na+K-	18
587680.2	632227.7	748340.4	502185.8	537157.5	369527.2		40
12285137	7822877	8730818	8982338	12883738	7542431	[1300][M+1]+	2
1042057	1644156	1154819	827000.1	1384117	1757944	[1240][M+1]+	4
1142533	1349462	1397697	863023.8	995785.7	546651.2		4
1492520	535975.6	672851.5	1044268	1090114	1219669	[157][M+1]2+	4
150733.4	432980.1	294879.1	258151.1	309028.9	152098.5		516
1529095	1793786	1899143	1266439	1111723	954205.5		4
1635566	1628747	2036156	1226621	1465692	1007751		4
642113.2	841095.9	217021.5	1016019	432162.7	962891	[M+Na]+ 9!	81
372387.8	166333.1	953562.2	544823.3	791667.9	645605.7	[M+H]+ 25!	12
8002693	8388416	4701059	4963485	8528011	15488906		4
1360844	1696069	1454604	800722.9	1880895	2440449		2
4735960	5324990	4931741	4514833	3708676	6198119		314
2368620	1312071	2556707	790751	2918713	4150983		1
679447.5	1813479	2082202	620753.7	723099.6	888195.7		9
1827694	4047682	8248419	1443201	2016065	988053.9	[1131][M]3+	9
2528076	955220.2	1841950	1277358	928263.3	1823020		205
5268151	5178891	4754354	5159084	4944760	4631559		241
2655074	2132155	3182926	3551873	929134.9	2209426		96

592662.5	901226.5	915963.1	598488.5	971902.6	672840		9
2055868	3756606	5539820	1327016	2023764	1074663		9
208186.3	399128.4	241821.5	272167.7	81347.4	106999.4	[1097][M+1]+	86
20806815	3277041	15284172	1348354	3538024	4100292	[504][M+1]3+	2
1388565	1231379	1472128	1108492	1337406	654752.8		17
378031.1	937484.4	1577699	533828.5	582289.2	866508.2	[452][M+1]3+	18
2260873	5076905	4857927	2757161	2319918	4890794	[M+2Na]2+	33
3471200	2332352	3662152	2871375	2959369	1253857	[1317][M+1]+	4
18591876	14964092	11200636	12860358	15903179	21908696		2
16849346	26425384	5541484	19178482	28776990	17305570	[M+K]+ 339	11
1063645	651187.1	866928.6	809279.2	663030.1	163192.1		4
658993.4	705574.1	583521.5	711477.8	816207.3	0		4
4436018	588559.7	8743391	2947799	3142403	2518157		356
1713838	2904557	3839805	1364570	2124955	738699.9		9
577606.1	993812.6	1040078	787140.4	727957.4	436271.5		4
485340.4	629698.1	2100186	1432218	798472.8	2113350		9
579987.4	455127.1	700089.1	837122.5	141860.3	459522.8	[1560][M+1]+	304
1021227	1383353	866837.9	1193667	1463279	2088061	[3M+Na+2I	13
5820190	7382358	5686872	4512249	6289950	8942568	[1192][M]+ [M+H-C4H8	23
1971821	495425.6	1530268	1124397	551152.1	1366228	[M+K]+ 514	12
6549877	8149399	4385450	4336326	5958538	15307663		9
4174892	7570453	4129449	2535882	3503043	4368172	[1434][M]+	137
30429689	45838226	21854917	31773836	51770497	33433837	[M+Na]+ 1!	13
1702832	2740794	1281197	1151307	2824578	1831720		93
3396482	2233176	2875003	2857509	2359869	3672579		2
865882.6	1139397	1896183	1096327	1040573	154006.7		4
992037.2	1049394	2438442	833762.7	868844.2	653443.3		9
902587.4	644226.7	1233108	829599	1017329	555976.8	[232][M+1]2+	23
904823.6	1328912	1544827	766789.8	858591.7	446025	[142][M+1]3+	9
7969503	6452822	6677657	6143071	5687984	4197311		2
974499.6	135326.5	5569639	832361.3	829966.6	2604240	[107][M+3]2+	9
6394602	6593505	765246.1	3051819	5124545	9290232	[M+Na+HC	11
1405811	761719.5	3037541	2824171	3045424	3270589		15
3987151	3652956	3748036	4714464	2856048	3850537		226
164926.7	87390.51	101345.6	92640.66	143788.6	97146.43		59

1145318	292438.8	1435033	735076.3	622435.6	518810.1	[2M+3H]3+	6
1024884	1968610	2384305	840657	1554249	941769.9		9
792396.9	754953.4	900967.7	456778.2	718811.5	1076746		4
5357639	1894997	4957496	4362591	1043986	1357824	[3M+2Na+H]	29
3140307	2643174	2987617	3265656	2541043	3991688	[M+K]+ 24%	226
1725443	475251.1	2134320	3461040	1926967	0		14
1024433	1168715	1245682	627278.6	573998.6	1502319		9
2990504	5066574	5782706	1994055	3885969	3318826		9
4529214	8046878	5539495	3288326	6077617	7059490	[807][M+2]+	9
278992	801269.3	250914.4	516196.7	250342.4	348266.5	[1173][M+1]+	17
235757	671058	1299732	193011.9	209025.4	378945	[3M+H+K]2	20
524291.5	782268.1	948015.2	406748.4	572050.9	260379.5	[M+Na+NH3]	8
56528029	42893286	20761056	1.01E+08	47789094	42403347	[299][M]+ [M+H]+ 30%	33
1810111	1172139	1360881	1414113	1009730	481045.2		4
1219378	2102908	33639954	15844322	1780699	15358013		6
2581875	1649366	1997689	3894871	1955855	814533	[M+H+NH3]	14
538323.4	162491.1	124053.5	315590.5	148014.8	870423.9	[143][M+1]+	287
1.35E+08	2.11E+08	1.57E+08	1.28E+08	1.34E+08	1.82E+08		1
1271319	1307942	1580564	1148448	1200735	764643.5	[219][M+1]+	4
9552827	11847082	11825312	7580943	8849036	9653202		4
324763.7	774117	1298894	200225	524901.7	390801.9		9
1747252	1373847	2030380	1808333	1487841	3346897		2
896057	1564748	1652998	709056.8	1121458	576230		9
2.35E+08	3.16E+08	1.82E+08	2.39E+08	2.33E+08	2.41E+08		3
13362448	16601585	21534908	11395827	7889769	13189216		18
7092945	7519250	6740778	3627787	8818868	10481240		2
33127360	24091833	2837538	31049712	5263611	16921073	[817][M]+	145
915100.2	10496358	0	3913079	13512031	8143972	[M+Na+3K+H]	21
1226584	1813730	1492354	1222892	1340478	954143.6		4
1730089	4005316	8073862	1392970	1975364	824984.1		9
48914216	48434751	47738670	59438620	48411104	50624572	[594][M]+ [M+H+NH3]	226
1810008	1630919	2041853	1588549	1714877	882414.7	[1132][M]+	17
6759391	5899223	9462071	6460921	6130137	5573466		184
2509396	2515383	512196.7	1132292	2704585	1553961	[1246][M+1]+	130
523984.1	1042420	1609377	675714.7	497156.5	415038.6		9

354492.9	243590.7	125970.8	395762.3	168688.9	822100.6	[M+H] <sup>+</sup> 27	12
1047410	4220973	1540714	90904182	11274495	57262349		2
1571291	1238417	1954502	1991507	1556175	563814	[1391][M+1] <sup>+</sup>	262
142581.6	552025.4	603644.8	682249.9	622099.5	519297.8		32
1717980	1937713	1871492	1543103	2323134	4935524		2
2769657	901299.6	4325140	3738236	3947269	2858114	[M+K] <sup>+</sup> 18	14
2007216	12190903	2331712	1200864	2100494	2829381		2
1147882	985546.7	1385445	913318.1	942629.9	312798.7	[3M+Na+K]	83
4338483	10151762	5172866	3139611	3278050	5038340		2
3862199	2684630	3189572	5060820	3345132	4744331		201
364695.3	336602.3	632884.6	0	1011170	3272851		2
392632.5	314796.4	418516.2	419269.6	305537.4	71881.12		55
1009450	856217.5	1649511	1229149	923138.7	228778	[1371][M]3 <sup>+</sup>	9
978851.1	1042358	545319.6	789640.9	1116808	1239907		8
1191113	1228801	1155575	1206733	1027562	727192		26
180908.1	232099.4	121743.3	155142.5	194181.4	75244.89		302
3921976	5252598	3810256	2755998	3864002	4496644		4
522688.9	1047562	434293.8	286180.6	750073.9	880984.6		9
664187.3	1279180	1055148	620070.6	817585.9	438730.8	[M+Na+NH	8
1271583	1926567	1990825	896323.5	10604383	6690777		11
1731387	3916996	5154791	1177801	1735245	2121692		9
2589846	1281026	4101892	4414509	3558063	3581900		390
2011831	1404928	2869201	2934094	7644589	4647089		15
1253397	1031643	362711.2	1019557	704210.6	83303.69	[302][M+1]3 <sup>+</sup>	159
2963444	7562054	15369546	5910967	17255938	18716970	[M+K] <sup>+</sup> 15	11
1141746	1738312	3435916	883954.1	2622838	243847.4		1
1669660	958543.1	3664914	2762519	3485109	364438.6	[2M+K] <sup>+</sup> 1	13
22344993	10397300	20758095	18823902	10294541	11198811		2
2683270	2057522	2423902	2901705	2860136	2365006		278
208373.5	290391.1	395935.4	285143.8	204349.4	113032.1		105
1559191	2797965	2070856	1136208	2010804	2022160	[325][M]2 <sup>+</sup>	9
5439886	5049463	4903797	4541168	3833005	9442946	[1357][M+3]2 <sup>+</sup>	2
248536.4	406834.9	409986.1	353116.9	184958.7	448725.2		442
8211947	13069510	15591072	6004342	8273781	5536693		9
777308.2	1235434	1698505	372893.3	1558334	1988471	[M+Na] <sup>+</sup> 5	57

1753398	1493650	1283426	1798412	1069545	640162.4		115
1003338	675025.3	843581.4	1096142	1119913	336700.5		4
16886522	28530634	29210841	22306721	41976527	29561783		1
1858226	4112731	8227955	1477354	2022595	1017628		9
2405870	4714536	4002363	1687349	3304471	1882933		9
2558789	3569306	2468019	766699.9	3396548	2277229		4
2266503	4344846	3014743	1114085	1612823	3892045		4
1948771	1497637	1831393	2064062	1783032	1283979		485
2572431	3623933	3165623	4030413	4157562	0		9
1227093	3318517	3120322	722253.8	1783764	2878751		9
0	1111993	770932.2	0	0	1102500	[M+K+NaCl	6
3461564	240216.8	2232476	860910.2	646657	3172904		12
6828648	6582473	8549673	10303938	8352794	2836011		2
437211.4	649710.1	351201.8	732048.2	432545.7	448247.6	[3M+H+K]2	8
4731280	1.59E+08	1366790	1.6E+08	13669379	63469730		2
1035222	837838	1313724	1222774	1046341	0		2
20871914	33080225	48969079	5359712	22889344	14951146		175
20147230	18422545	30428393	935154	19689772	6705872	[91][M+1]+	6
1623983	1132034	1225966	1691586	1455283	710271.3		4
933374.1	754442.9	501543.1	507784.3	1031993	909269.8		41
2108589	895005.1	704453.5	1561710	506327.1	1230071		4
2489466	5675725	1770041	920538.8	3653275	6752230		1
3346325	3796427	2958919	3272453	5781269	9049180		2
969713.1	1342930	1317657	587932.1	820488.9	859788.9		4
1255921	3553433	5312825	771406.9	1356297	1352817	[688][M+1]+	9
17651838	29265159	17384980	10854970	13954869	15617030	[1314][M]+ [M+H+NH3	101
14059674	1602394	8623660	9886334	1335348	2250617	[M+K]+ 61!	97
7215376	2646339	2875435	6298049	7062078	7664737		1
9286016	3788598	6975548	2340656	2005322	2655820		2
1018747	2481543	2787221	724029.7	1211411	778463.4		9
5426944	5701276	2044127	9039447	6577152	5149550		208
4344233	3933009	3577247	2842171	5669809	1192059	[2M+3Na+I	97
1750683	5157078	5966836	1182402	2380740	3230721	[1592][M]2+	9
4747604	4458239	4483552	4364982	5333248	2165951		310
3317957	25539745	27047913	2528985	24595128	18916274	[2M+Na+3I	3

1650260	2923718	2054920	1175248	2337864	2667017		9
1601541	4168348	4051298	1133337	1991677	2697893		9
4603190	7892249	10492088	3574280	4986147	2211383		9
6587111	12003155	14764360	5271627	7148020	5532312		9
1896016	2476403	2805252	1445184	2295564	1117754	[1592][M+2]+	9
17390290	14129507	17931271	14436218	12874107	17016944	[643][M+1]+	41
866575.9	993075.1	1307348	934644.6	1236191	558767.1		4
1922034	4559416	3821759	2010471	3207700	2744936	[476][M]2+	9
16350525	8150349	4221971	14550783	12591574	8581515		6
896760.4	1485923	1052673	248374.7	707151.6	1420359		4
663304.8	949521.6	1206437	760831.6	472407.7	0		9
2531344	3551503	1816531	1793557	3647671	5077746		9
11171038	13498542	8092109	9332486	14353068	14478383	[351][M+2]3+	2
866358	1572249	703549.1	864971.5	1224709	1206913		13
1470482	5391065	1446271	757430.9	5695721	5054136		1
1788713	2010841	1029711	1148004	2415792	1636470		9
4396436	10479031	10941520	3137563	5749964	6979839	[7][M]2+	9
1171295	2285033	3986113	894130.2	1867263	4174151	[M+Na+K]2	97
9940238	26880354	12767353	6421984	14033137	25613778		1
48163117	28079564	40964379	45730416	45497319	33534895		2
630796.6	236331.6	665973.2	550257.7	500657.2	13676.24	[532][M+1]2+	109
454292.6	825044.1	1527750	747020.9	544536.2	1170900		33
1292549	3273172	2191492	1015194	2325745	2617163		9
1862651	2953957	3042075	1463268	2089335	1890985		9
2386915	2794873	2646588	1562963	1453559	1920310		4
3451678	4672167	3397871	2376845	3359794	4580976		4
1673652	3077360	5288584	1222259	1339497	1111391	[686][M+2]3+	9
534257.7	484436.2	608996.4	239617.2	415640.7	207717.3	[270][M+1]+	72
1029136	640667.9	1539140	1714440	1361386	463931.9		4
1521621	1754273	1370684	1544623	1450166	1926870		9
312909.7	259699.4	342228.1	254179.6	249364	133459.1		166
429819.2	249437.4	356720	407247.9	270530.2	163193.6		515
2333808	2005260	2819237	1787895	1497155	1541207		423
3971897	3325767	3622923	3114008	3803095	5309022		252
4298324	5856174	4758087	4188319	5080066	6702907		33



15636102	18344319	9247598	16022620	16088494	14346782		3
1380086	2407575	2707196	857988.2	633278	2948575	[M+H-CO]+	20
2433894	4717639	3336751	1526876	3149394	4979998		9
2860511	1619458	1908670	2599144	1531922	614207.6		172
4410694	8629786	9044734	3455852	5450559	4810058		9
57290.7	774795.4	762817.6	16517.7	730689.7	280150.1	[M+H-CO2]	20
1968957	5822136	5809139	1715124	2303743	3716391	[403][M+1]2+	18
613793.4	1170054	580643.2	420894.7	769922.5	890317.5		8
4109473	4115438	4137788	3874739	3446881	5086731		2
1093045	70132.51	720347	1780284	392001.4	2797768		9
5560841	10453530	11681376	4160976	6151105	4989358		9
202042.6	282099.7	460883.4	453675.4	161373.9	414886.9	[M+Na]+ 8:	16
7610473	11405210	7141820	5903545	12057063	8859510		2
1910400	1524279	2208520	1220428	2133871	315840.6		139
3174691	3750936	3042537	1963493	2842266	3371038		4
0	1846496	127811.4	0	1261443	444075.3		1
13423813	17353638	14771895	10094884	13448309	18621623		4
2950333	2718066	1892984	3406779	3984823	563907.4	[M+K]+ 75:	14
1891360	184388.1	1439215	262161.5	1905844	966208.8	[454][M+1]2+	1
231810.6	151731.9	257351.7	223107.3	166524.8	37562.44	[1503][M+1]+	328
2025758	600981.6	735096.6	2418554	428459	711416.7	[3M+2Na]2	14
783604.1	533808.5	723933	650829.4	499390.3	233980.1		4
2442463	3213517	31395220	906490.1	2918119	8642662		13
1092101	1894002	1769418	1422131	1666555	530123.6		4
957969.6	902332.4	1309944	943191.8	1290559	1889243	[1093][M+2]2+	9
3742446	5922370	2861161	2759505	2348608	3046437	[831][M+1]+	101
18738193	11214602	6150021	16874291	5437681	6768303	[279][M]+	229
842697.9	1630872	3015084	1077168	1472162	373829.7		9
474695.7	314223	423244.1	209084.6	179700.6	571374.9	[1516][M+1]2+	91
846249.6	1053037	1037818	1411759	493839.9	589865.6	[1562][M]+ [M+H]+ 10:	38
6241362	5885815	5894285	5920208	7638355	5531775		184
110238.8	210402.6	188357	77203.02	170914.8	211411.9		299
0	2078379	1604083	115791.5	1155251	2063965	[M+H]+ 42:	46
6749686	4619409	5694580	6826820	5597226	8897250		2
2538901	4433196	5655293	1782136	2388411	1327424		9

7663427	3242361	809387.8	4127822	4839258	7706644	[M+H] <sup>+</sup> 28!	11
3128789	2562352	2778403	2707581	1284838	1277201	[719][M+1] <sup>3+</sup>	69
4287296	4920665	4042309	3596770	6690296	5098239		259
1180206	295179.6	1109465	1028879	80366.01	578675.3		74
993174.9	1607275	1315514	806333.8	1246316	1713713		9
8531316	15004058	17627235	6414508	9047369	6919449		9
148361	733638.8	894981.5	91624.89	280507.7	880952.9	[3M+3Na] <sup>+</sup>	20
958475.7	1809425	961961	593132.5	1263569	1522254		9
790639.1	372951.1	660569.6	298338	497245.9	2219663	[M+Na] <sup>+</sup> 3!	46
1323371	1172136	916915.6	903492.2	583402.9	476960.9	[M+H] <sup>+</sup> 39!	51
2832371	8427465	1429674	804114.6	5811268	4735196		10
1454919	1671044	1434310	1294388	1048344	1104374	[1097][M] <sup>+</sup> [M+H-C2H <sub>4</sub> ] <sup>+</sup>	86
6902953	6605361	7490040	5136541	5383005	6333578		4
525917.2	500502	668741	526536.5	436129.7	301401.8	[1132][M+1] <sup>+</sup>	17
918167.5	1287101	2233432	1028742	769522.8	527993.9		9
1966074	508485.7	2985062	1243640	1497809	1869337		1
1487586	2434173	2417927	1827158	936523.6	2601106	[1323][M] <sup>2</sup> [3M+Na+2I] <sup>+</sup>	134
3989902	9165459	6447389	6444079	6741805	6382513		272
1603370	1535442	1580865	1528456	1743126	1294282	[11][M+1] <sup>2+</sup>	9
1024211	2559802	2360886	1346962	2529792	881611	[820][M] <sup>3+</sup>	4
3302397	3861364	684944.5	2483646	995423.6	2108114	[868][M+2] <sup>+</sup>	50
1790737	1452821	1383811	1815437	1343071	415396.2		4
2141291	4382006	3811440	1372547	2802061	3641195	[198][M] <sup>3+</sup>	9
4368862	8415888	5781215	3223439	5980546	6680199		9
770040.6	746208.1	693335.9	648894.5	660032.6	0	[M+K] <sup>+</sup> 90!	8
1313308	3048420	1038058	1063613	2505690	4486743	[277][M] <sup>3+</sup>	9
1061151	1266796	1698479	891581.4	1019406	803967.9		4
631314.3	1114489	1366314	432372.7	658404.2	420445.4		9
1053913	1168908	320212	287616.7	1126414	1619572	[M+Na] <sup>+</sup> 5!	238
187974.3	393774.7	654123.3	443035.8	425060.9	302667.6	[3M+2Na+I] <sup>+</sup>	86
1254345	1266931	1500128	1167725	1205702	687944.1		4
2087337	4246969	3210985	1011670	2366402	2469067		9
372694.8	871085.5	751119.3	190296.8	214114.3	843740.8		4
1001400	1630623	6667862	886394.5	1410128	4143498		9
252446.1	168721.6	8602.48	358004.5	454839.8	546184.2	[792][M+1] <sup>+</sup>	90

745068.6	818932.8	1030896	924139.1	757767	0		4
2897091	3985463	4498686	3572067	2937785	3760744	[1429][M]+ [M+Na]+ 70	134
760948.4	561776.9	2204472	765466.3	1013444	326644.6		9
1863837	16697061	3187432	2140726	10363459	2334097		84
1659577	3214216	3758187	1420742	1931781	986419.9		9
1911995	222776.2	2871283	1803415	1651706	1415335		9
1820130	1245944	2504494	1695352	1934841	3363838		2
311582.2	283575.2	148521.2	363428.3	252446.1	478877.5	[783][M+1]+	24
2532046	5016632	7022666	2075881	3203093	3095501		9
948044	1635256	1116685	505917.3	1140353	1531164		9
4562901	2676585	1705231	2565111	2098166	4937518	[M+Na]+ 50	26
9475522	6936948	7094146	7243387	4717045	22140601		11
2093197	3889796	3028994	1374629	2571029	3180299		9
6238469	4191852	4062336	5367850	4677136	6965624		2
1494892	3232045	5066627	1361736	1981411	869174.1		9
11948097	6526227	4515831	8847901	4485167	17491012	[M+Na]+ 40	11
2066047	2450655	2154822	1692592	2133202	2431520	[1258][M+2]+	2
717436	504701	919285.2	480029.3	675231.1	354045.3	[1105][M]+ [M+H-C2H4	23
441936.3	746012.2	545278.5	355510.5	629889.9	731807.3	[3M+H+K]2	8
474969.9	344718.5	336405.4	413083.3	375381.7	871058.7	[M+Na]+ 40	62
334039.9	484519.1	261755.8	305509.2	427464	188855.3		4
2295122	2181450	2372842	2757086	1212247	3104566	[M+Na]+ 60	288
3870368	611344.3	718222.4	7189534	575226.3	4677705		9
2181103	1254252	904007.1	1924578	756255	605995.9	[279][M+1]+	229
13264167	20184728	20394321	11002829	13926375	12466031		9
2487438	3214874	3369169	2604024	1937610	1453882	[92][M+2]+	18
1632622	1896000	1511106	3335662	4204041	1868570	[1136][M+1]+	2
18014191	22942210	22559563	14558739	16930816	17823523	[156][M]2+	4
564233.9	631899.4	451549.9	671357.7	1069317	301861.5	[937][M+1]+	209
4622345	280662.6	2182608	3366170	267253.3	674772.5		20
2448908	3092472	1545134	1228326	3051876	925377.4	[457][M+4]3+	2
1857093	929344.6	2419133	1296645	8636043	11619514		3
11951580	18719079	10395694	4373220	13839254	29194207	[M+2Na]2+	42
193638.3	235283.7	143701.2	67249.92	130621.1	270304.4		170
2879127	2722020	4319125	3403624	3669364	1476444	[265][M]2+	23

801738.7	436390.2	713805.3	902774.6	671262.9	12772.15		4
787847.7	809228.8	902881.6	255577.2	800827.1	0		200
2369516	3829359	2944750	1431601	2589286	2974745		9
781371.8	1170346	546326.7	624860.2	1174098	1896000		9
6000228	7527716	4499947	5209116	7196314	8654145	[M+H] <sup>+</sup> 40 <sup>+</sup>	14
3486552	5810412	4066964	1690746	4767302	3363725		13
55704.9	916210.4	1124299	58944.71	824575.7	368032.7	[1124][M+1] <sup>2+</sup>	20
91903056	98258889	85184493	73555575	49415697	76115523		2
2471208	4071543	2571900	1134002	2766993	4372118		9
4260463	4406776	4158828	5911844	4028342	3785259		9
108508.3	339190.6	320808.1	57959.65	239059.7	144660.8	[M+2H] <sup>2+</sup> !	18
5350043	4644073	4488577	4466788	4392707	4302588		409
1092687	1367852	441286.8	526633.4	1138021	1889405		9
589948.3	672668.4	630742.3	274838	538803	0		9
2.76E+08	631608.4	2.81E+08	584068	2.96E+08	454258.1	[M+H] <sup>+</sup> 39 <sup>+</sup>	25
2742045	1310025	2920358	2846349	2157110	274224.5	[90][M+1] <sup>2+</sup>	2
494087.1	975861.5	600718.1	362867.6	779271.1	704536.4	[M+H] <sup>+</sup> 20 <sup>+</sup>	8
744449.3	2141347	3406937	787755.9	769554.4	667225.1		9
4413619	4443288	4904211	5120694	4642483	2616399	[298][M] <sup>+</sup>	4
533459.7	615345.7	560663.2	630229.6	495460.7	214590.6	[386][M+1] <sup>+</sup>	112
4047923	4902821	4509237	2918087	3602910	5235247	[701][M+2] <sup>+</sup>	25
1546755	2452988	2513833	2617476	1714652	1627025		2
650908.5	888465.2	423456.1	863614.2	885060.4	773492	[M+K] <sup>+</sup> 52 <sup>+</sup>	134
2853204	2155163	3109325	1650120	2725992	544520.1	[910][M+1] <sup>2+</sup>	62
1049047	1391968	2427835	892803.9	1207987	305794.6		9
610721.9	828783.4	722780	515651.6	864524.8	846625.5		9
2275367	4209437	6189069	1839128	2169986	805308.9		9
505151.8	541684	68643.51	615885.5	299599.7	1051067		81
5.31E+08	8.21E+08	4.61E+08	4.41E+08	5.01E+08	9.09E+08		3
607147.5	1796863	2716858	601392.3	885313.4	617276.1		9
1201582	1583152	1950955	831788.9	635977.5	885981.6		4
1105447	651417.3	818716.4	204172.4	589148.7	0	[1129][M] <sup>3+</sup>	68
693798.1	678673.9	603815.1	951442.1	795397	366350.5		4
3086656	13218136	4569401	2587168	7527127	1838455	[M+2K] <sup>2+</sup> 4	3
2018500	1368303	2644243	2726916	1444885	746272.8		462

8177222	9040372	7160363	7015659	11472429	9739909		2
2081654	3981829	4297962	1451933	1329121	1675519		9
1006919	0	1546372	664349.7	1123428	0	[M+H] <sup>+</sup> 180	155
5202064	3875569	5988142	4469325	4360314	518393.3	[1268][M+2] <sup>+</sup>	139
1364541	866042.1	2393622	1438930	2098021	637297.2	[M+H] <sup>+</sup> 52	47
4173343	5410021	3971576	4027143	6006462	3465353	[M+K+NH <sub>3</sub> ]	323
671330.3	1562677	1927972	468695.4	788242.1	913150.2		9
3813187	7185425	7778304	2967887	4981393	3490102	[342][M]3 <sup>+</sup>	9
28690744	48056971	16295693	18560303	46767065	44754699	[1243][M]2 <sup>+</sup>	2
1776061	4004366	5137565	789628.2	2096144	1808631		9
1201428	2023305	1093474	579301.5	1466733	2137936		4
187753.4	185772.9	214165	224599.8	182441.4	88439.21	[M+K] <sup>+</sup> 576	43
2744430	1978812	2336602	2132415	1464504	3904160		2
2932472	2859131	2945636	2659268	2921663	0		9
397556.7	521708.2	682480.8	458133.7	389715.6	231643.6		4
25885852	22672685	43518268	27005015	30913319	10170771	[1530][M+1] <sup>+</sup>	33
16889866	26474360	21536111	14447956	17599520	24349010		1
46371678	39090900	45607978	50276245	37530562	18454323	[326][M+1] <sup>+</sup>	55
1105136	754384	2120310	2343040	1246197	619144.8	[1526][M] <sup>+</sup>	183
6449607	1019717	37994.07	3929177	3083838	5697306	[M+H-C <sub>6</sub> H <sub>6</sub> ]	41
3545999	4625223	3447656	2373838	3349509	4546184		4
855739.8	1299412	1646582	499108.5	605480.2	0	[1528][M+1]2 <sup>+</sup>	9
7508269	10179748	5678215	6688410	8751014	15054185	[709][M+1]2 <sup>+</sup>	9
369247.9	681914.4	552516.7	309975.4	376331.4	452000.7	[744][M+1] <sup>+</sup>	135
5174933	6215829	4053030	2978250	4780140	8410570	[986][M] <sup>+</sup> [M+Na] <sup>+</sup> 5	110
459660.6	1058010	473039.9	239812.5	645664.4	550078.4	[M+H] <sup>+</sup> 26	39
264477.5	1103142	1119223	422402.1	556351.1	522916.5		9
486852.9	1273278	811139.5	377088.8	702219.6	2739544		46
85091611	1.17E+08	1.41E+08	71136695	65738005	56983052		175
1911329	3515886	765937.9	3716350	4233957	2013079		1
5410565	5768781	7685960	5068280	4669806	4245332	[625][M] <sup>+</sup> [M+H-CH <sub>2</sub> ]	342
1177305	3174146	214397.2	1265929	3434984	5913013	[3M+Na] <sup>+</sup>	11
5.03E+08	215784	9.41E+08	9.9E+08	9.39E+08	3.59E+08	[150][M+1] <sup>+</sup>	22
3526706	4965539	4167572	2082129	3432579	4767740	[726][M+1] <sup>+</sup>	4
2608207	3445373	4959780	2175265	2420721	1669128		9

423305.2	1629272	972359	426147.2	742115.2	1227042	[331][M+1]2+	1
946293.7	2232967	1477113	704358.2	1323740	1793884	[165][M+1]2+	9
2629010	1510184	2053522	1501228	1679114	25788.78		68
3165723	5970900	7930125	6104522	7009653	4461457		293
2755563	3508868	3618219	4700075	2896513	2443911	[1433][M]+	338
2028125	3606821	4093627	1312456	1140818	690572.6		7
130291.5	536083.4	574591.3	146812.8	218281.3	842710.7	[940][M+1]2+	18
19343874	20132442	3920073	15109912	5844392	11646272	[867][M]+	144
580087.8	1593691	809930.8	1051500	1722759	1760671		9
2838523	3104946	2589401	1865422	2663751	3389509	[1378][M]+ [M+Na]+ 70	16
7110620	4975670	6681069	7913377	3586037	4289520	[2M+H+Na	268
5851711	8210541	6219807	4126960	5971543	8169544		4
3262202	786911.9	1004638	7145624	352173.4	1192117	[M+K+NH3	6
880781.8	1088623	248321.3	1329524	280147.1	222870.4	[309][M+1]+	37
12359878	824726.8	412579.3	9850709	4594502	989339		52
1451082	2396871	1852206	1267396	1695690	1213716		9
4516855	8188751	7044328	8358640	4484288	5389350		15
1234671	1125825	1399992	760909.9	852022.6	521024.4		9
138208.4	139958.6	200300.2	76738.62	81852.41	49841.49		462
7038450	10528070	5659493	5870842	8039760	15040562		9
825586.7	1144551	1317558	746325.7	668089.4	549476.8		4
3347500	2.73E+09	5259549	3358791	3604562	3130415		2
289522.7	467860	756740	349732.1	616475.5	37703.42		4
476510.7	151648.6	435632.6	578699.9	99813.23	96528.94		440
2947976	1224433	2873724	2411682	2395318	3220742	[474][M+1]2+	2
1891630	3019034	2000108	1066798	2061907	2472486		9
1675584	1954639	2049826	2326870	2501741	3075265	[1618][M+4]2+	2
1E+08	1696824	20172782	92399123	1879112	88552465	[M+Na]+ 3'	41
980508	1116169	2135237	0	718797.6	122075.1		1
3728323	5473182	1789342	3549328	2079878	4601571		2
2378359	4698655	2240318	2124892	5778652	5940367		2
15050464	4575082	3304997	2882307	4582479	19927957		96
2274814	4897683	6104594	1410044	2517120	1325338		9
694421.2	11343372	10396465	3742561	10070396	1918252		1
1206897	1558602	1020574	1060961	1321167	715699.7		4

1139022	2493471	8035097	5487778	916827.2	3808866		4
1206132	766861.8	512452.3	1512849	515604.8	1689906		9
844980.9	1732636	1008155	974750.6	651504	1088568	[1608][M+1]+	7
2737181	3407224	3535772	1464683	2175641	1236496		4
77940217	79391274	67204581	68569745	86825152	87888259	[470][M]+	2
2003247	20804594	1266050	4.6E+08	28454004	65858568	[425][M+1]2+	2
1152789	743074.7	597066.9	880706.7	461561.4	701837	[35][M+1]+	108
1813577	2894353	3883667	1324760	1922904	641009.6	[967][M]+	9
1107087	0	1083891	1121347	1182173	255599.6		9
1702584	3082538	5086094	1547948	1601860	770956		9
1221398	2472022	3126744	894825.4	1196730	442633.9		9
9636055	8095506	9025236	11892421	8452885	4329787		2
1665020	1945007	1720644	1727624	1411457	3439299		2
370642.7	245880.9	558213.5	379397.6	429884.9	132499.3		91
6438004	3985419	5469820	2114773	8434355	12451783	[M+K]+ 39:	15
2726124	4678919	1810874	1880652	3820182	7727774		9
2693683	4328294	4542878	1994210	2771848	1478931		9
11656187	7001500	2861024	6442929	6776695	5367543		346
291962.5	606962.4	472884.2	269063.1	202259.7	529264.5		4
2487732	4841466	4263327	2735586	3212500	3285575	[M+H+NH3	13
1376262	1825309	2246248	1314573	1323118	569807.8		4
241403.7	260781.3	273746.1	136400.1	236744.5	257464.1	[M+Na]+ 7:	64
1087063	2369857	3805997	847482.9	1240740	290159.2		9
1.44E+09	2.68E+09	1.98E+09	1.31E+09	1.39E+09	2.3E+09	[746][M]+	1
4438460	4389981	4222036	4086977	3777503	6221972		259
702077.1	850307.1	1277778	619513.6	519253.6	1517182		4
21711283	20457877	25888996	20498156	22608614	12815765		17
1372719	1675541	372374.5	851504.2	1088665	2526024		9
362497	909407.2	1398779	420102	507393.4	193332.2		9
6533052	8833966	1704281	4195847	7101570	0		2
4858703	4479843	3849691	4663045	4276458	2557402	[597][M]+	280
5133789	4647206	7059209	5821976	4636184	3043066	[3M+H+K]2	121
1426998	1253817	1056377	1516664	1163267	630003.3		9
4525944	3137738	6168942	6470927	5181107	2788680	[1411][M+1]+	49
91219.91	307205.6	232411.1	204829.9	97932.78	361110.1	[3M+H]+ 2:	16

955532	1379377	981455.2	745049	965389	1985421		4
2237791	4415280	2682769	1586001	1977483	2569649	[336][M]+	4
1150700	832070.8	1512581	1559407	428902.1	817025	[1084][M]2+	38
2451596	4411819	5661022	1753550	2677342	1322930		9
859400.9	986541.6	1337087	4086135	6259062	10595962		1
1490804	2727080	2201558	2396546	1356123	2881051	[M+2Na]2+	23
9606588	12146179	11875197	7683813	8944262	9715581		4
1282455	3274972	1226789	759557.9	1543716	2367743		4
18890361	19721700	25307758	31502298	23308733	9536307	[804][M]+	2
4764223	2538118	2841926	2620921	2425831	2268579		263
2394544	1528163	1669824	1542889	1544808	425401.6		488
692991.8	693601.5	497391.9	819768.2	373308	588952.6		68
1797085	672230.1	5298647	9467063	3330886	12974514	[3M+Na]+	3
2197154	962103.3	1776562	1686662	1712068	845497.2		84
5588846	5977778	4202960	7232429	2637668	1635297	[3M+2K]2+	93
4323118	1608873	2573236	5480047	1970997	0		2
5875226	5587929	8429649	10432450	6956210	2324912		2
10193006	5749205	1306973	6838829	10156796	11576653	[M+H]+ 36:	11
642252.4	610353.4	932789.8	753252.8	296025.3	230680.3	[851][M+5]+	4
573440.4	871563.9	971308.8	589348.8	414725.3	363303.4		4
259008.2	1395757	315542.9	245469.8	218210.4	404763		35
40723136	45825782	35531477	33670177	42098044	52696713	[1250][M+2]+	2
2052263	3976703	3270021	1596323	2555495	3372752		9
1.23E+08	1.11E+08	1.63E+08	1.18E+08	1.22E+08	66772384	[1092][M+1]+	23
71117.07	875362.1	758956.9	488132.8	496492.7	790459.5		1
49827236	44483267	40063318	42347732	52926709	44412163	[1296][M]+	2
1926744	2461030	1666417	1256591	3955245	3194366		2
36590392	39873723	31681530	31986536	38058101	39563741	[828][M]2+	2
2055685	3525869	3276613	1414302	2152655	2000330		9
2408081	3856440	5263874	1610661	2613567	1238220		9
15205691	11503564	11670642	7349905	10004810	13406882		376
709159.1	2917383	3485089	1705032	1453459	3968066	[174][M]+	254
1457311	247223.8	0	714943.2	716183.4	1392201		41
5235246	8899941	5423602	3493939	4014471	5239201	[1314][M+1]+	101
1253060	2984770	2131349	1318728	1824204	1992217	[216][M]3+	9



5376553	8532499	3251814	12738375	8902278	5921643		325
3131582	4339408	2788955	1800223	3363275	4022404		9
852302.6	1004576	1342370	551569.6	1090488	963429		4
3074028	4999471	5329162	897717.3	1899578	5073431	[1255][M+1]+	9
4629165	8012001	10794809	3632050	5055610	2163300		9
5874436	10928640	5742019	6115604	4371267	4139771		317
7778764	9324186	10102841	3835361	9594728	4331755	[848][M+1]2+	38
1495658	6680257	8192723	471923.3	2737618	6738880	[759][M+1]+	20
1273547	1373084	1360443	488718	934589.5	1200832		9
990607.1	1937362	937618.4	996684.8	956760.8	2117129		4
9.44E+08	1.46E+09	7.93E+08	7.89E+08	9.52E+08	1.35E+09	[M+K+HCO	3
1132745	1348752	1934170	1181256	1497077	703169.5		4
313596.4	521169.6	754714.8	462797	263391.2	424809.8		78
968307.3	0	1765307	2462455	1530607	2145585		2
4371570	10628400	10824143	2950178	5659182	7032610		9
428848.1	347924.2	549466.7	476627.1	470200.6	120156.6		218
70649658	57613897	86745454	57015024	66796848	12178998		38
2615737	3149078	6501318	1733550	2864164	13212519		1
1302746	1418134	1528055	1206505	2697936	3233411		2
526772.8	1195201	2189684	537251.6	476127.5	594311.8		9
4931458	5596120	1705543	3370142	5414501	2373556		11
408029.2	48929.5	726435.5	409168.8	347936.8	532316.5		9
3898656	7282082	6326153	3331608	7073424	2454427		192
980675.5	1177711	2484326	21009362	20530760	10572577		6
1827176	3872652	3081996	1394400	2350341	4036120	[197][M]3+	9
11459744	15072604	9866972	10720012	11773572	15653858		3
201800.1	691718.5	647097.4	202193.4	368423.2	207616.2	[M+H]+ 18!	39
1509250	1571072	935238	1214401	1202939	1511452		9
996525.8	257675.8	1023432	1112960	1360709	568162		89
9298690	7687171	6066301	14324051	5326336	5315938		282
1270721	1900995	2482702	1236411	1599544	258111.2		9
2374441	3499300	2599251	1569030	2405770	4196990	[780][M+1]+	4
3.99E+08	7.73E+08	3.45E+08	3.24E+08	2.87E+08	2.53E+08		35
948732.9	1197115	993878.2	617279.9	600903.2	574185.8		9
2782265	4564829	1554001	986507.6	2247328	5378262		34

445379.1	0	490145.4	408248.6	676677.3	539346.3	[M+3H-C6H <sub>6</sub> ]	8
60026097	68687033	57741590	49044012	49803608	51918920		214
7611233	5485417	5691064	7286354	5912694	8576420		192
628961.7	600621.6	598317.8	365945.8	496774.4	43645.39		4
2092522	1911792	3082763	1978303	2205166	946863.1	[M+2H-CO]	23
5966936	7005162	3507292	5434685	6915958	11595262	[1288][M]3+	2
13316514	3343192	11717771	15529703	15044417	2942194		1
520376.3	466049.6	770893.6	413019.1	656510.8	374925.1		4
5709775	4475655	4308109	8260921	4638486	2766658	[M+H-CH <sub>2</sub> ]	392
31657381	35897192	35689174	22406466	30527415	38736990	[1164][M]+	76
14916967	971032.8	6379899	12439461	506539.9	586532.8	[M+H]+ 25!	39
627029.4	2436798	1813304	614364.8	1014263	1929310	[M+H]+ 66!	18
337941.1	197509.7	666978.4	865697.3	316182.5	261397.1		298
4448071	1112497	37571.3	2818852	2444926	2067488	[M+K]+ 10!	41
1590968	2115228	1912295	1535449	1792456	1433726		4
5327764	10123640	6194496	3083881	2662346	12070048		1
10888825	1615437	13377944	9615196	867136.1	2171883	[748][M]+	4
1009186	1811273	2942559	555263.5	1093274	715221		9
208933.9	368205.7	360178.9	245188.3	305505.5	158244.4	[612][M+1]3+	117
356726.5	389114.3	659082.3	344981.5	318010.6	205649.2		4
5184429	8822493	5420700	4653686	5243043	2867142		310
428474.1	915156.9	1975494	696011	367278.3	0		9
8168440	1634347	5396221	7221369	6300944	191043.4	[720][M]+	295
3023865	938940.4	4055821	403721.6	418210.9	2225745		1
14250187	15523161	12842089	11617795	17465491	19248034		2
673404.2	0	1140900	644327.9	652886.6	758928		9
758521	10869652	845504.8	14917370	729375.2	5685493	[351][M+1]3+	2
1005644	1523395	922744.5	888115.5	1121818	2822995		9
360219.8	728642.1	632638.1	265446.3	361798.4	528555.5		4
10644018	9950764	2215405	4982045	13223301	20115766	[M+Na+K+H]	3
942079.5	758175.3	822588.9	1435537	870030.6	1055097	[M+H-CO]+	159
2347675	1.3E+08	1912564	2034532	1548919	29092035		2
657293.7	1854651	2457381	614278.3	635199	635230.1		9
333410.1	431734.9	321587	329642.9	319332.9	340322.5	[1028][M+2]3+	16
212652.9	248351.2	201665.6	132673.9	282686.4	281211.7	[1188][M+2]+	17

307808.1	1339523	954918.2	419672.9	719701.1	566255.3		9
1587388	3174664	4626725	1624676	2237198	720460.9	[1233][M+1]2+	9
323277.2	290530.1	358008.6	445589.9	252392.7	536202.9	[182][M+1]+	102
17359142	1594294	13984961	11499717	1127325	1515561	[1142][M+2]3+	2
2237384	2112314	2012107	2783815	1093347	963905.9		29
3602888	3727479	3151748	2683468	3731917	4811261	[M+K]+ 31	29
6710638	3503188	5387704	5575523	3118848	5641057	[441][M+1]+	2
2867119	2389098	1834723	2998263	4620010	2085081		1
642729.9	1384890	1636531	665205.7	820703.6	1696369	[845][M+1]2+	9
496653.9	1074046	623507.1	597286.8	668628.6	0		9
1136462	2153535	3461597	653860.3	895718.5	489278.8		9
650340.9	0	975206.1	924383.4	190089.5	1010770		9
26911668	1973124	1452076	21112517	35850496	2864905		9
1728830	5452286	5487578	2490927	7554549	1759254		1
717839.8	1014610	919491.2	674496.3	1251080	1059497		4
9244881	12847221	10915178	7149406	9751328	12750420		4
62618776	80243837	19125906	59765360	64933110	1.27E+08	[M+H]+ 49	11
335260.8	351150.6	430919.9	445088.6	266143.8	448168.8		61
971138.2	1474784	934771.4	375968.2	236542	1193393		2
5880866	10742339	11644916	5975282	12934630	2953211		1
10888989	13131934	9859910	8927226	14002959	14090752		2
299444.2	548096.4	592664.2	159321.5	184360.2	738885.3		4
1763808	1092504	1807730	1059112	5222478	3534112		2
8576169	15329963	17720373	6511624	9157252	6962774		9
12080633	13198824	3463293	10991087	7956662	11968877		157
3532481	3663597	3090094	2586279	2211866	243204.8	[M+K]+ 59	6
5115589	5860759	7593592	3831591	5218068	3232002		1
6243381	3259885	4507785	6285008	8481399	6551548		2
655852.9	1110531	1649429	422672.1	548322.1	138849	[850][M+1]+	9
533594.7	920668.2	1028109	621321.4	505545.7	180410.9		4
994262.5	2143504	1730289	565039.4	1258008	1162020		9
1805862	1390945	16145058	1317961	20837715	7719358		2
9524638	11952088	12022038	7677918	9044775	9686242		4
1921748	1101135	1355756	1152057	2328861	4061314		15
1175007	831595.7	1376173	1556598	586693.4	0		2

4372027	3453191	2582799	3864726	2673588	3242029		68
2970164	1903546	2817130	2476705	2215667	938399.6		2
9093774	9212509	8205281	9022187	8179732	6667151		31
1807344	3336305	3486939	1093379	2216736	2052189		9
1857063	4672774	5259618	1433134	2453963	2898369		9
149998.6	49971.14	219739.7	145009.2	149582.7	27678.98	[1105][M+1]+	23
19510444	9031619	11726261	16796648	10141634	27983281		2
893110.1	1508734	1903838	499471.6	1030582	642260.4		9
4350721	5784215	2770631	3143093	5530996	11055278		9
509835.8	798312.1	1207927	612313.2	465716	308558.4		4
1389421	809264	851925.4	1189404	1150178	396754.2		4
465651.9	567504.7	446808.7	1037054	1752839	950178.8	[M+2Na+2I	15
1536579	3151229	3342127	1251998	1940236	2127528		9
74610001	1.17E+08	64148492	57301857	62869719	1.33E+08	[745][M]3+	3
805070.4	633792.7	819634.3	838384.3	692352.6	382074.7		61
2867731	1837921	2123019	3181382	24346652	9250836	[455][M+1]3+	2
834712.8	1157928	1258946	541918.9	1096729	793289	[M+Na]+ 3!	8
415300.6	0	885979	568604.8	496853.8	244276.3		9
2628955	3440600	4171476	1819359	2393313	2764610	[773][M]+	9
1540920	3177476	4016799	1168557	1693170	1663705		9
4809359	927361.4	4201201	4207637	1874682	1636086		2
952059.6	1980144	1286413	646173.8	1332147	1995314		9
4576582	6428411	1238660	6095837	4318721	10535265		191
1438490	6468812	6856671	3816276	5752963	5005478		1
1272619	2450052	834558.4	654285.1	2284597	1346429		2
6416477	11780027	14849079	5025623	6800019	5191863		9
4278343	6509599	9647061	1701277	3055062	3674762	[263][M+1]3+	18
6063519	3339643	4307549	4994012	5745581	2979006		2
6621053	4027988	3848214	5528219	9648997	13152209		2
1070783	1800600	623007.4	1147282	1316551	1141154		4
2576090	4182931	5641951	1600052	1651819	2293137	[M+K+NH3	20
366456.7	1036745	555093.5	310066	729164.8	654846.9	[M+K]+ 69!	8
966337.5	1296424	1070222	699064.3	738585.3	734060.6		12
3862937	4107748	1731059	1696169	5692099	9413149		3
127592.7	154921.6	158592.9	161988.9	204875.4	65923.28		328

1124724	1804992	910826.5	528118.8	788033	1008441	[1515][M]+	125
38353868	46394563	37979011	29385446	34540543	47884498	[700][M+1]+	31
1065963	2252958	4091430	700205.4	803512.2	0		9
11256469	383069	42310998	17148229	27693725	9431877		2
3032710	2653713	2082145	4249513	6067481	6134555		2
2669049	1070696	2250211	2008042	2043403	2201501		29
502706.3	410877.7	200720.7	198328.7	414222.7	161557.6	[M+K+NH3	16
237759.4	209933.6	284953.3	125636.4	152102.8	132227.1		43
460970.2	391386.1	663863.9	440029.4	204788	634076		42
627470.5	1538757	1392975	303845.9	378441.6	813819.2	[578][M+1]+	9
1178213	2192123	1585259	673486.9	1345404	1942098		9
3098452	2311616	1257488	2040613	4467216	6752904		2
3724904	2186970	648748.1	2524895	2516396	10640619	[3M+H]+ 1	11
4544935	5277198	4972359	4708135	4804064	4797811		407
1043154	1981568	1239515	884744.3	1853777	1681937		4
1174174	854943.3	942922.4	728519.9	1020714	221189.7		4
2.2E+08	1.77E+08	2.22E+08	2.08E+08	1.52E+08	1.64E+08	[271][M]+	61
543014.8	934082.7	410975.2	546436.2	1082629	905499.3		241
50791682	87052288	67253077	93631365	1.32E+08	78284229		22
1585790	2819870	1800732	2189744	2848800	5216123	[45][M+3]2+	2
444454.6	647200.4	1219307	267346.6	217884.4	427282.4		9
37196238	41525556	25547030	29913847	46776347	49647830	[360][M]+	2
2172815	4155787	4129206	1688767	3250005	2832256		9
446700.9	1064977	998142.7	239285	1051871	640879.4		282
2294664	2093160	2673061	2735069	2232605	1530053	[1253][M+5]+	2
982836.9	0	2222938	899560.7	1017827	0		9
3366406	3029602	3589860	3115583	4589252	1192944		2
3202089	5535935	5174325	2923983	4105147	1466952		9
3597310	4942587	2456241	2811510	4687885	7684240		9
5175027	3936100	5572167	681177.5	7208295	492784.1		400
7586450	5403213	6892164	7983109	6878067	1843636		2
4022608	4278187	3419875	4089049	2829998	2915120		297
52895062	47658076	86667381	56312036	61601248	21111510	[1530][M]+ [2M+Na]+	33
1933693	12608276	4342065	14139621	6883154	5826213		2
3101240	4345371	8383680	2585770	2608774	216042.9		9

310499.3	567986.5	161147.6	160195.4	203897.9	1523889	[M+Na] <sup>+</sup> 2	111
2664808	1631292	3758509	2651956	6000147	2821017	[53][M+2] <sup>2+</sup>	1
697373.6	993177.8	781492.1	371459.2	629041.7	334522.9		4
5643713	5310783	5226367	7081960	4368086	4672500		192
1999904	3644160	1429415	1414463	2046746	2553428		4
902809.3	1384992	1996437	823510.5	893875.3	800197.7		9
176352	260862.1	269207.4	254345.3	224495.5	203440.6		309
10713403	7222691	2255491	5577764	14440131	11318446		3
1124063	2829649	2237099	584058.5	724416.9	3487112		4
1009935	1521242	1352994	744520.1	862553.3	331432.9	[921][M] <sup>3+</sup>	9
6002080	4228428	6999764	4746822	1805775	9309190		348
31907170	40952915	14673674	23454832	15066204	24657279	[491][M] <sup>+</sup>	122
327419.1	1020111	1091330	160024	559549.7	424008		9
5188184	7488951	4540576	3963197	8241323	8765053	[521][M] <sup>+</sup>	2
351621.4	679715.5	578013.2	2021722	395938	464731.6		9
14437571	22259169	15823062	21962923	12747146	18558323	[M+K] <sup>+</sup> 39!	15
944832.6	1123663	1234069	732509.7	292744.3	187467.6		4
2952700	3801587	3580632	2251840	3012407	4397425	[580][M+1] <sup>+</sup>	4
5802581	8170599	7542886	4828827	5780020	4622335	[274][M] <sup>3+</sup>	9
20593871	13086438	4067053	906064.8	19251473	24015294	[M+K] <sup>+</sup> 54!	3
1377366	1765471	1602067	969519.2	1243148	1234982		4
977308.2	4.62E+08	1382590	1285380	4.34E+08	277602.7	[172][M+1] <sup>2+</sup>	4
2226426	3902958	3270802	1472095	744213.8	3712261		39
90332.91	245143	308954.9	203891.7	128004	198991.8	[1506][M+2] <sup>+</sup>	228
251051.8	237227.5	349234.7	237271.7	177634.9	91546	[974][M+1] <sup>+</sup>	245
1357197	723434.1	933860.3	1363920	1236875	68218.06		4
339675.8	141694.9	166560.5	315747.5	96677.98	286397.1		63
83595500	1.58E+08	1.26E+08	87898839	6899424	47802276	[53][M+2] <sup>+</sup>	1
879033	953685	1859624	692569.2	659710.4	697982.5	[228][M+1] <sup>2+</sup>	9
3250924	3498554	1011621	2638419	3988615	3399177		3
3340070	2597413	2706760	3236349	3569298	2661634		9
2654842	1473525	4271553	2237046	3164245	573563		28
2922533	1183185	2942139	2621543	2245401	829426.5		4
427567.7	9587238	1043242	1298967	2761541	651912.7		18
957079.3	710709.8	10404629	9728384	14029424	2299658		1

7449989	13235465	15435475	49052572	16324662	15192399	[906][M]3+	1
1134627	343248.1	344351.4	137806.5	238735.4	1791162		113
1244732	607515.8	473890.2	287326.8	1570659	2129405	[M+Na]+ 4i	28
4804514	2953878	1679803	2442766	3440806	6300489		9
851881.7	1198798	1147398	698994.1	865379.3	598446.4		4
2179800	4810404	6967667	2591802	4999899	1899379	[1142][M]2+	2
1092852	1056331	1533422	832341.7	937690.9	75466.87		9
438378	877342	236849	241199.6	438630.7	606566.3		9
5841314	7986388	7457301	4596624	5630488	4680272		9
286598.9	192604.7	207623.4	216799.8	195467.4	13346.26		276
538224.8	1224384	1185578	414865	440725.8	739022.8		9
4414840	8108587	3901551	2523258	263182.5	21864680		3
1435467	1815677	3344409	1697050	1118887	444329.2		9
2699267	1152014	2055131	2220292	3127701	2754466		2
823494.5	760518.9	1157425	765202.1	366221.6	306552.7		68
3411015	4047715	2968462	2221905	5157333	4994528	[505][M+1]2+	2
5933726	6670539	4287843	6994168	5491174	10164586		374
5163793	2352311	3748281	2656163	3720258	7429457	[1005][M+1]+	2
2288337	2771183	2098220	3421851	1121477	745263.9		2
2724296	2186081	2060150	2965863	5269069	3068635		2
20257023	3663606	3583357	19770074	8629449	3307857	[3M+H+Na	21
138650.4	643758.7	470694.7	0	504789.5	2553162		9
4097854	3415180	3575008	3984498	2642314	4783476		2
4012730	727921.1	3961653	3514164	4799303	5225377		396
46862329	58334813	59979326	37860551	44125235	47676756	[619][M]+	4
2031777	2955389	1633493	1332194	2012256	2906753	[478][M+1]2+	12
1198812	2154554	1314133	767951.1	1382727	2128469	[198][M+1]3+	9
6152328	11898564	14654302	5099566	7048165	5028258		9
2813948	3080531	2127373	3728536	2931425	4519313		413
763131.4	1182332	830406.1	195455.4	715839.9	220181.4		242
2969914	610999.1	2032747	1992710	2844338	4355785		9
1529936	760119.9	2575821	173830.9	2110545	5632071		10
8564639	11754500	9588772	7510946	8440495	12062816	[691][M+2]+	15
1201151	1434166	562517.4	1451920	663970.4	983195.3	[869][M+1]+	159
829495.8	750501.8	1144983	729204.1	692105.7	420233.5		4

1685645	1379867	641121.3	935550.6	1935134	1919882		1
724963.8	1322398	0	454639.9	976645.3	1854933		9
3057307	839123.7	754420.2	2420959	1128648	2494782		9
4829963	4980898	5789934	2533626	4000351	6050854	[M+3H-C6H <sub>6</sub> ]	35
553467.8	1125762	1369468	568933.7	586296.9	391213.7		4
55602862	71330221	31652524	43331906	34203811	67968386	[662][M] <sup>+</sup>	125
1824989	2326543	2693371	1210942	2334351	1533285		9
9455609	4804808	8434460	9847107	4381484	6428291	[418][M+2] <sup>+</sup>	2
8711971	15591442	17972366	6492173	9080021	6885811	[730][M]2 <sup>+</sup>	9
2339496	1539482	2453565	2521219	1953327	1459810		14
2066001	2815018	1815327	502665.1	1989830	2473953		4
4683587	12606769	5107424	7479514	4803437	5220333		1
969727.5	2449677	7331661	945962.7	259986.6	541041.3	[M+H] <sup>+</sup> 45 <sup>+</sup>	41
2238976	1171760	2441092	2159600	1827116	0		14
63802405	9591682	9696410	4074253	78026812	39764303	[M+K] <sup>+</sup> 15 <sup>+</sup>	21
1996542	4891650	6704864	1610749	2316048	1190146		9
11150522	3963212	1536205	11686242	3651610	6882445		6
870297.4	31491.64	215716.5	1000365	495396.5	3167357		9
1752107	1804371	1701775	1260518	1690686	793821.1		4
3949182	8864167	6083198	4366649	2273021	1410050		2
2919328	6324303	515730.5	1911600	3009786	7086911	[M+H] <sup>+</sup> 38 <sup>+</sup>	3
2523228	5171392	7169730	1892055	3614338	3160314		9
6082087	7139915	5628784	3716062	7909116	6611262		2
3139005	2501401	2376347	2569420	2456522	1745494		2
197923.3	313979.2	227185.1	210853.1	172418.5	62371.25	[1226][M+1] <sup>+</sup>	303
3646107	4072317	9016228	2868960	3414508	2180819	[607][M]3 <sup>+</sup>	9
2160108	4718600	1663363	1058104	2567154	2082382		97
182954.6	382195.5	119737.1	145243.4	106988.3	214698.5		125
1000946	841002.9	2207955	927095.5	693474.4	474688	[81][M+1]3 <sup>+</sup>	9
3131445	6E+09	7026215	4526003	2773394	2779148	[603][M+2]3 <sup>+</sup>	9
1832254	3496858	4693716	1201949	1947000	1258364		9
8030841	7037065	5703923	7169318	9406308	8630845		2
14326455	32478019	515023.6	242503.8	70353.93	150128.8	[129][M+1]2 <sup>+</sup>	16
22112751	6433244	29598566	13465430	15673485	5788764	[1279][M] <sup>+</sup>	52
921579.3	1059811	1788920	810598.6	1019568	376585.9		9



5468121	11125484	5305893	4736019	19943807	12797525	[181][M]+	218
1910188	2187648	2817057	1695984	1617225	259726		139
1040136	1167289	979156.2	486257.6	1232992	2068128		4
2322790	2696973	2497966	3173140	2400267	702621.9		13
4399239	7768754	5685559	3236091	5820842	6917805		9
722095.7	1015623	993641.7	486623.2	581371.1	317703.5		9
4779359	9012813	17777744	2283969	6016831	4197026		20
1064392	1736187	1555153	890838.3	1077696	628344.8		9
34624260	40741553	22291791	28147608	43680971	42412796		2
1.6E+08	2.04E+08	35169790	1.94E+08	1.58E+08	2.61E+08	[M+Na]+ 3!	16
1402400	1602557	1521966	958430.5	1576754	2316592		4
1923899	2419229	2272013	1359240	1635260	2087375		4
509824.3	941453.8	1285912	1337631	465742.4	1354758	[M+Na]+ 7!	16
6176970	11067282	5561992	5143231	8097265	9125317		2
1675722	2816424	3745567	1482434	1558007	726012.6		9
1080459	894732.3	567242	1183912	1477114	2599588		2
3059845	28247751	969688.7	310353.9	1131748	0	[508][M+1]+	2
1155812	2557568	2714187	843702.9	1774054	1546562		9
2731499	4068095	4017906	2422254	1333105	1939321		4
1651047	2809256	1838815	1064063	2147491	2480999		9
6536077	12532111	9636906	4815974	7589836	10360366	[165][M]2+	9
1436705	56360.34	1443051	1100222	1423955	3372150	[1016][M+1]3+	9
1003595	953368.9	1156401	833722.2	766816.8	0		9
3110769	3486910	2922212	3794279	3272505	3003619		366
19482686	17195959	1715302	901489.2	19109356	3324222		1
6952618	16389029	24629554	4687976	7997846	6371175	[688][M]+	9
1090562	0	981164	1019306	1399160	1474746		9
591200.7	806129.6	858734.1	437966.7	853196.6	766810		4
5515214	6142256	682782.8	5190404	6224172	7595298		11
581303.8	2841968	765478.3	2922894	2945441	2774758		95
1853178	2059804	1423999	1157833	2658439	1976689	[M+H]+ 21!	14
47525127	60090967	57819157	37487239	44004979	47618516	[824][M]+	4
720946.3	1046109	1130177	500122.7	565594.4	98008.47		4
896580.1	923023.5	667039.4	313737.1	1227341	1212111		9
1543609	2611911	2570181	2591843	5019492	2644257		333

1180354	1049775	3459159	2704661	1974384	2058676	[104][M+2]3+	9
37415151	40139236	32111892	32257788	37844040	39761852		2
927037	1505842	1685666	527331.3	803097.6	263229.4		9
3526962	2864451	1474186	1471639	2096944	133205.8	[2M+2Na+]	3
682464.5	1078092	786811.6	482943.5	559011.8	765290.4	[1614][M]+ [M+Na]+ 1	33
537063.5	869360.7	573965.9	918645.4	768554.2	783930.6	[3M+2H]2+	20
815849	1632600	1427404	502454.5	1045561	862417		9
199264.6	456282.1	513855.8	303185.8	460052.5	405256.7		4
2536537	2228877	1321659	2235912	1043402	927795.1	[818][M]+	86
392808.2	721170.2	564941.8	533690.3	420031.9	147058.2	[1499][M+1]2+	23
10960385	10842681	7062718	10890628	2227535	4989216		339
1114728	1994192	2577307	888457.6	1312611	616850.7		9
22483725	31259023	24078258	14937909	21894859	33013297		4
244023.7	76377.26	360673.3	345961.4	208509.3	114340.9	[1591][M]+	69
4344829	3459580	4898132	2962624	2626777	5084900	[774][M]+	9
3578539	864427.9	2760484	3700780	1068941	2377551	[430][M+2]2+	2
4862703	6633310	4725357	5318704	6293185	8070674		14
630709.8	1214529	2245646	527989.9	574982.5	0		9
732843.6	917120.7	1041175	835285.9	457701.2	793698.5		4
3776700	9125256	2785238	4145844	8197491	3799673		202
8.1E+08	4753189	8.36E+08	6.43E+08	1724257	3671125	[718][M+2]+	4
568894.1	514764.9	601583.4	501736.4	552848.1	216556.9	[1122][M+1]+	17
5117922	4517672	2874878	1254859	1943945	6247364	[M+Na+HC	15
5881550	6055072	5202653	9505519	4746146	3144852		4
5367990	11252362	8735934	4326992	5761004	10212129		9
850674.4	813472.3	788744	912033.7	511298.9	234186.2	[3M+2H]2+	268
493688	1063473	725963.8	649957.3	624413.9	671223.1	[M+K]+ 47!	33
3113654	1566647	1494171	1432354	3965577	3365337		2
9077877	16728277	10482187	14436409	14939751	6677910	[M+H-C3H]	13
2384544	18418579	4162601	4505118	3611164	6450168		15
1574993	4196051	4064730	1042603	2087519	2408910		9
10492129	11694694	10065704	11276669	8483815	8064198	[170][M]+	146
14406614	1641584	11093122	13013113	12410580	3233739		325
1321783	1375993	1155908	848506.7	950043.3	1932423		4
891470.9	1536733	1794677	558713.7	1492880	1258689		9

2550083	2125215	1150463	2418793	2541915	4111067		190
832872.6	1133167	939295.6	1646406	898644	0	[3M+2H]2+	81
1653937	1996358	2765718	1820852	1175374	736377.9	[M+Na]+ 4:	5
7315223	4708373	11277915	6134377	5147552	498802.7	[458][M]2+	139
2520050	2259900	2439644	2822207	3095505	1791607	[M+H+Na]2:	13
1691889	4099843	6582398	1307384	2071223	1628836	[730][M+2]2+	9
617937.1	875739.1	1413120	621889.7	662610.4	229337.6		8
1887146	3027686	3908282	1489367	2067657	820872.4	[979][M]+	9
740057.8	1153812	99044.3	344509.3	1200076	1355306		9
914434.9	1204415	1135608	372067.9	756712.1	1243734		4
3639237	1929335	2853946	3193640	5141075	7001138		2
4392926	4512500	4237983	3581921	6467560	933248.1		468
187108.7	181114.2	321677.8	491806.6	231390.5	97058.98		68
1454892	1409382	1478137	1038701	3452181	1337341		6
864960.9	636558.2	1846858	548378.7	1719480	709056.9	[599][M+1]3+	39
877558.3	1824226	1605997	461418.2	1197803	1171607		9
299273.7	751168.9	618113.2	320991	515902.1	113495.9	[1066][M+1]3+	16
6974894	9424708	8860999	4528097	6946523	9935787		9
4.27E+08	6.31E+08	7.42E+08	4.04E+08	4.04E+08	4E+08	[321][M]+ [M+H]+ 31!	39
483277.8	930712.2	1329936	519951.6	555662.7	340288.6		9
4040055	3733255	13314073	3644064	3908178	8093517	[M+Na]+ 2!	14
6198528	7329753	7303866	7457908	6882772	7008687	[M+H+HCC	95
450186	985863.9	940368.6	497611.1	590928.1	560599.5		9
8511438	11072906	3128951	11281258	9352580	10038921	[M+Na]+ 4'	15
3279140	4456862	8296107	2387881	2537840	315896.3		9
28359426	7603191	7612101	2065892	30037359	9231486	[M+K]+ 35!	11
550853.2	1188108	1336439	420888.2	514061.1	2182065		9
5592456	7293195	5060152	4062642	6247818	6474506	[M+H]+ 77!	13
846841	1234127	1004518	962380.2	877664.4	1427855	[M+K]+ 77!	16
2593793	886255.9	2310406	3260525	1355250	135457.2		2
1234508	1337332	155226.3	917221.5	617666.1	735416		50
2020667	4308249	6393108	1731127	2259695	1092038		9
14158085	17905973	18624680	21128954	17063482	4412329		97
2835077	4120244	7122338	3848595	2491568	10514109		13
5003779	3481821	4776602	2870335	3397054	12573.69		68

1831334	2031222	5132374	4793137	891204.8	3817422	[M+2H-C6H	13
1006526	689500.8	766106.6	330636.9	860573.3	558019.4		4
1354494	2158964	1737931	1060779	1551090	1348812		8
5876618	11215914	17029304	4722613	5901402	3039466		9
630420.8	983834.7	29923.84	117309.4	1302720	2121390	[3M+Na+2H	21
6493677	4812330	7317980	5122779	2910265	4133575		381
41419833	79389992	87814151	32743302	48807837	46693729	[180][M]3+	9
4246806	5384238	4551794	3308416	4110201	5654429		4
2613179	10300954	13670393	1402798	9065689	4992598		1
307011.7	296978.6	366706.8	414365.4	282097.6	86155.74	[332][M]3+	55
1517063	3379154	1432104	1578532	2869599	2364423		9
1616383	1199547	1097540	1325615	514569.3	601170.9	[928][M]+ [M+Na]+ 4H	83
3775801	2333819	3162815	1507700	2500847	12173.28	[844][M]2+	68
1510061	907103.6	1689595	2314802	1767347	2080207		2
252813.5	394789.2	257578	161389.4	250930.7	262603.8	[M+Na]+ 3H	423
3220545	4735143	8635824	2608767	2687464	745284.1	[603][M+1]3+	9
1003844	1224100	1004200	989615.2	495037.6	1750686		4
656858.4	783581.8	786605	341832.8	760177.6	267387.5		4
28323136	31247142	24961382	25523867	22201186	38785268		2
24922523	34061201	4262935	10460501	6143028	17124235		43
623576.8	620359.1	611855.4	451113.6	688749.2	325759.3		4
712066	1211651	815282.7	248345.2	592071.6	878634.4		8
1089643	839392.3	1658574	1460566	866307.5	1383508		40
447857.6	752654.9	824961.4	692539.5	696049.2	663571.4	[M+H]+ 32H	18
1577305	3112487	4050192	1083878	1808365	1620181		9
212623.3	237882.1	187019.5	268189.4	201700.4	89798.96	[523][M+1]+	248
5429992	6661471	5670277	6119548	3977261	5531454		372
1188217	1387315	952606.8	782729.1	983692.5	1684652		4
15389973	8730037	17804988	19668149	28556795	15525530		89
1445048	4434470	1726148	812745.8	2252605	1451269	[3M+2Na]2	15
245284.1	341760.9	412520.1	438345	357382.5	9179.902		246
3759466	6180545	3250432	2975910	3280325	4335183		226
4134736	6335188	5701223	3410444	4877254	5815619		208
2045265	2246604	1853388	1597512	1539546	2192121	[806][M+1]+	4
780031.7	1329321	1537706	749216.4	1114177	775336.8		4

1141034	1087903	76571.14	905106.5	1730220	1200235		21
1480989	2351397	1665244	803732.7	1147932	1501677		4
17181032	18970785	18184035	15314618	17234194	12710768	[568][M]+ [M+H-H2O]	25
3427026	3350274	2735535	4161915	4221322	3564736		404
2308064	8398645	13889379	2264587	23587384	19999886	[M+Na]+ 10	11
766495	656871.4	942042.4	783533.4	658328.5	240633.4		9
1258466	2801643	1377494	1021545	2658263	2202732	[M+2H]2+ 1	15
727469.4	931328.9	1073209	672467.2	460249.6	330303.7		4
1768396	1684903	161013.4	806128.7	2395884	1856925		11
557124.5	1854596	606204.8	657754.2	1698470	1969786		1
1940046	4790583	5320913	1567448	2229227	3001718	[747][M+1]2+	9
6962400	13533804	21395910	5305360	11688919	18635806		9
1.86E+08	1.93E+08	1.6E+08	1.64E+08	2.1E+08	2.12E+08	[465][M]2+	2
89542282	86800031	1.09E+08	1.59E+08	58790444	1.32E+08		175
1140348	2134148	221352.5	695288.3	1713013	2495003		21
41872928	79726484	88160370	32903049	48787072	46926844		9
2030398	237748.1	1141485	1221780	1316508	423897.6	[M+Na]+ 3:	6
5570418	5013395	5163754	3799227	4329750	1800246	[1149][M+1]+	4
1349694	1905647	2045643	1757531	1790712	3022230		4
6103315	1596881	7657929	6282306	10314678	5003385		6
1373360	3194408	3416550	1097649	1817991	2033363		9
466752.2	727432.1	581595.7	521017.1	361715.4	202935.1	[M+H+NH3	35
6192494	6232125	6712146	5235698	5729577	4527979		7
5677526	3759159	3951115	6737641	4306601	3394628		444
1.35E+08	2.11E+08	1.57E+08	1.27E+08	1.33E+08	1.81E+08		1
2647113	3458265	2804937	2652452	2514188	3346688	[740][M]+ [M+Na]+ 4:	44
132638.2	189893	87400.69	64911.24	118501.6	75293.83		336
1630275	2979082	3990195	1289637	1772379	866956.1		9
1085962	789274.5	817076.2	985256.6	815577.3	912441.5	[M+K]+ 36:	12
885615.9	2179868	2435718	724336.3	1429985	705510	[778][M+2]+	9
2483658	1752373	1703804	2388860	2401244	401151		14
627905.9	88562.95	2100304	593315.4	511456.5	189782.5		9
1410157	1767984	2041236	1267350	1405670	907781.2		4
95227.54	153746.8	1.1E+08	201589.8	1.2E+08	508556.3		17
466874.4	879845	613509.3	234734.3	427674.7	606499.9	[3M+Na+K]	41

940378.7	1124533	1326076	1634384	672160.8	1279912		42
3656798	2938958	3523379	4117628	2197612	1299720		2
5830434	11392524	16984637	4729010	6055153	3029959		9
347587.1	555638.6	591004.5	111950.5	174257.3	528715.5	[3M+2K]2+	21
5385558	2304286	5924399	3869700	1742021	7354088		2
1.6E+08	10713228	1.3E+08	1.45E+08	9996250	35182469		29
513610.7	828206.7	889514.1	339950.9	475812.9	356789.6	[M+H]+ 27	8
913522.1	177719	351209.4	710067.1	1093803	2468484	[1007][M+1]2+	9
1410629	2843424	1633704	982114.1	1149552	1636014	[1434][M+1]+	137
3448321	380666.1	2476337	4058585	2524720	702621.9	[M+Na]+ 2	13
2691791	3483434	2817805	2240736	2008550	2912698	[1374][M+1]+	2
2241562	4456718	1679060	1089423	1884704	4989668		5
1026996	1871018	2183422	1074612	1442034	667958.3		13
2136271	756107.7	2749465	1168787	1847682	1974985		52
1174863	489412.6	2268661	908335.9	805891.6	210590.8		9
5436320	3940250	6274686	3913019	3974192	4337134		433
6673785	7030932	3034076	2740905	7220027	9979394		3
1140153	1080672	1094604	1088285	1142595	385317.5		328
1455075	1872504	1079868	1055954	1449684	732808.7		29
4079060	6334388	5227086	3104161	4795808	5409379		9
53775394	12691387	1897965	69363705	41849463	71218151		92
342846.3	1255148	671568.7	404637.3	802509.8	906563.9		9
669292.5	3495308	3216044	1253610	1218881	2861436	[2M+3H]3+	18
87938.45	184850.1	131360.5	138551.6	128636.1	87081.8		167
969487.7	325637.8	385053.5	575720.6	2674417	888000.7	[1079][M+1]+	49
2804069	3930537	2813025	2117989	2851650	3957429	[739][M]+ [M+Na]+ 4	220
2648056	4425592	3167580	1668911	2231511	4257370	[1223][M]+ [M+Na]+ 6	101
14476523	20174680	4993852	9957114	8704932	15826991	[908][M]+	148
7919726	5416792	725785.5	7320629	1144356	3641032	[817][M+1]+	145
1875171	1866814	1278126	1314361	2012600	1558994		4
1101750	1009475	1504067	799909.5	644220	853386.5		9
971785.3	974106	733679.1	1629262	409340.3	988913.8	[1403][M+1]+	9
37262064	40500812	31880177	31356787	44962586	49971949	[485][M+3]+	2
292378	184021.5	252011.8	169257.5	149893.4	218332.4	[5][M+1]+	24
1878746	2283460	1995780	1243113	1584790	1967115	[592][M]2+	4

875228.4	0	2920548	700653.7	726466.3	316880		9
4115057	3632882	4597562	2345663	5015903	7779666		1
633382.2	0	269399.6	2163556	662441.9	0		1
4829819	25020230	1870444	6732282	41854618	27892903		6
971676.7	1341232	555866.5	788326.1	1330790	2069262		9
523810.4	815031.7	1182300	1182978	564514.5	470690.2		9
372410.3	476253.8	397374.5	213013.5	277432.3	300919.4		440
2011498	2672269	1770224	1563961	2172999	3502670		9
2415136	2350010	1706193	16122472	885198.8	17012509	[264][M]+	225
1240432	474222.8	1608278	639729.9	1248789	467727	[806][M+3]2+	4
712280.5	1679319	1822701	519950.7	742898.3	940773.1		9
578340.5	1206160	1093032	501473.9	572412.5	718917		9
494261.1	413480.5	1192144	1443404	533507.1	793427.3		483
1065626	1113532	914177.7	474991.3	920174.1	1017469		4
6.62E+08	453273.1	7.4E+08	1080017	774528.8	5.14E+08	[M+K]+ 24	24
3430487	6086284	2061135	1753108	8484026	2362527		1
383717.4	1163256	775604.3	307034.1	742738.9	709648.2		4
1787346	4984123	2403857	6117155	1758073	4010636	[M+Na]+ 1	6
657512.4	635850.8	475841.9	368925.2	496186.8	710581.5		66
1781450	2992395	4120399	1276342	1879398	577007.5		9
1920192	1418482	1958523	1277878	1493522	853554.6	[1119][M]+	17
3223760	3124150	3006683	3035177	2785247	3071001		415
4978159	2769047	2669632	10270886	2285025	577869		314
74303621	37033757	17340715	43147670	36935615	53545101	[M+K+HCO	15
1539368	3396442	3241631	1197003	2496460	2047526	[52][M+2]+	9
793039	752372.9	786648.7	543324	530369.1	460398.9		37
3511252	808451.6	4972354	4098649	523577.4	1753835	[M+Na]+ 4	8
11415989	6551807	7425482	7882965	6349598	6964444		1
949255.7	2272229	2528255	479223.5	999613	0		13
1472857	2638128	1425911	1673782	1258455	603409.5		9
1183880	1810236	887430.1	711123.3	2159125	2535323		97
1108677	1115102	1664441	1139282	1404908	988932	[M+H]+ 34	423
2558187	1541618	1630665	2170262	2329003	3824078	[M+3K-H]2	14
10335873	16733910	4.21E+08	4.75E+08	10818982	10550580		2
1266820	41463033	1120906	1712897	1470517	420090.5		97

1989563	549019.3	3099896	1912056	1714461	1115808		9
8647531	2933553	3237370	3685954	5753209	3069053	[2M+Na+3I	121
22581540	31655754	23990745	15049003	22071821	32998515	[667][M]+	4
878715	1222629	958872	1956368	1217107	302648.5		9
5791414	11625839	17568093	4442137	6221842	3250088		9
411669.6	673831.7	1119957	401169.8	348652.4	116243.2		4
11500178	10705683	3228872	14842742	9814071	9893862	[596][M]+ [M+H+NH3	44
1660469	1500279	5388352	1780687	11176382	3068530		1
2172403	2086022	1196913	1821717	574621.7	1800940		146
1141884	2588889	3390190	779689.1	1565333	1371071	[132][M+1]+	9
557344.3	171746.5	405601	326287	341966.6	0		182
1349487	5.53E+09	7343586	3.48E+09	15097744	12968424		5
4973789	5044551	2700299	4193894	4661789	4451924		279
32419858	3258550	29037279	1224179	6883733	19288286		2
2867494	3068447	4905906	2756097	3039859	1589347	[880][M+1]+	23
4980464	15613515	15315083	6357929	6338004	11721109	[2M+3H]3+	18
2.54E+08	3.7E+08	3.42E+08	2.78E+08	4.82E+08	1.2E+08	[M+H]+ 43I	15
457985.6	670830.3	728422	653526	619278.8	599534.5		57
31431134	47003738	82066955	28157644	15912295	31736196		20
2879091	3754213	3107845	2271481	3129862	3889955		4
138551.4	186479.3	257884.2	157148.7	124388.8	74562.8		232
40529669	79345946	88080267	32628021	48973343	45798303		9
2657354	3374720	4785624	4405498	6747359	2561545		1
574224.9	1361573	1148177	351049.2	627730.4	998751		9
6491807	3805759	2808135	4265505	7379943	3837411		253
1090357	6686148	1434316	773228	1701366	9287518		15
2608621	403118.8	2079500	1583789	444163.2	510069.2		291
938809.8	550172.3	990821.1	605606.3	983883.4	0		9
319406	1889128	872894.3	180388	1824038	1148373	[M+H-CO2]	97
1204148	3090018	3687696	1269590	4957827	6805156		1
5252453	3609718	4823320	6685018	4658792	4491761	[M+H]+ 45I	253
5887230	5180109	9399274	6217355	6506896	2355021	[1530][M+2]+	33
6682064	9000768	2819167	4302338	3191363	5204214	[582][M+1]+	125
2721699	4057888	5989322	1862470	2421703	1450884		9
5272899	3273074	5381027	4416296	3915352	3283027		2



1.36E+08	2.12E+08	1.56E+08	1.29E+08	1.35E+08	1.83E+08		1
246756.3	665009.4	480485.3	217337.1	391280.9	568982.6	[M+K]+ 32:	20
606810.1	1711192	1896559	494846.6	773838.2	1029132		9
2040072	1026004	1300966	1459046	1162234	195044.5		2
2804086	1659601	3623254	3652056	2236919	919149.5		1
3653799	3918604	4548342	3286153	2706428	3086895		9
567351.4	824519.8	1030244	1424036	1405225	2614304	[412][M+2]+	9
5006215	14056042	8598349	4867701	8087353	9542901	[1313][M+3]+	9
14766121	16426391	10410496	12445172	18029447	19335880	[359][M+2]3+	2
2185505	1757059	1969761	1329822	1526597	108526.4	[525][M]2+	200
3276063	3839217	3218482	2963350	3906005	3474792		9
410822.3	266192.2	335196.2	291712.1	260262.2	90632.16		271
804815.8	894603.7	620977.3	809468.4	601364	441450.9		277
4139290	3084264	2925726	3597304	2066524	820558.6		40
2972363	3498060	2121298	1971305	3752590	5411265		9
345893.3	335398.4	372152.8	1095511	420319.3	375136.5	[M+H]+ 49:	62
4288858	3705141	2485007	4457434	1967027	1790445		2
0	839271.8	1084907	216556.3	303359.9	403528.3		9
1300222	1935457	2527147	1134678	1392600	1175822		9
5934053	4522360	4565224	6555239	5293515	9582464	[519][M+1]2+	2
2334004	3300332	1976128	1587975	2454717	3273152		4
392893.3	481882.4	434475.9	325858.3	369331	1005752		4
8269355	3939540	2592685	7922704	1407953	3961825	[M+K+NH3	15
3745471	4268483	4747307	3502240	3527091	3249424		13
1068186	1301606	1178992	1161310	1542714	510618.7		4
3535178	4569721	6816591	2006660	4430988	2691992		192
2324221	5076910	8257937	2057983	2611684	1513153	[124][M]3+	9
496582.2	479427.4	350438.1	342891.6	248413.8	6871.553		77
2050503	50992.37	2185675	1773196	661617.7	587336.1	[M+K]+ 49:	8
1466574	1354024	687117.5	427481	960595.8	2906573		461
12398143	5147451	2.32E+08	13688480	2.69E+08	1.12E+08		1
1081997	916353.5	1272191	8161324	1150899	1592288	[375][M+1]3+	2
901643.4	1061107	1316442	1054950	714510.6	0		9
2412272	1767445	1805843	1530681	1518681	2501635		4
12413115	14831101	12617610	8866055	12385345	16141295	[M+Na]+ 6:	62

501946.3	487294.9	335553.9	503982.5	291845.2	268536.3		129
2659282	3749244	3506672	2303091	2400481	2808636		4
1637526	1596689	2232592	1538099	1863365	1021122		17
1967325	1054027	859997.8	1670422	1678222	840543.9		4
933415.3	1458421	3243894	2762746	2161338	237953.4		87
2922781	2122670	2970264	4125315	2475055	293791.2		2
1080139	339068.9	1798479	1430252	1239532	2053388		14
1276146	2142109	2350516	1692993	2224177	2342193	[3M+H+Na	134
4010805	1308127	77681.02	4055471	1106701	598072.4		52
866140.3	636107.9	4225458	436549.9	1298587	1453967		9
5850781	5545484	1277199	6037180	11092088	8783884	[M+Na+CF <sub>3</sub>	11
129368.6	66005.25	151304.5	170676.5	195209.8	145728.4		102
1721287	4068053	3116415	1637794	1383634	430305.4		15
1081214	401572.4	744422.9	248410.3	662027.7	0		182
379312.2	562321.9	886290.6	617547.9	576074.6	497135.3		338
9351441	10130393	9031513	8494018	10253852	7055544	[1618][M+2] <sup>2+</sup>	2
341540.5	254745	530295	363722	505906.6	259004.7	[1503][M] <sup>+</sup>	328
47588024	44178159	71017001	53372360	61239007	77080465	[M+K] <sup>+</sup> 16:	6
5223621	2179281	5686753	727963.8	775917.9	10756408	[M+K] <sup>+</sup> 38:	5
1011089	1113259	1848391	952385.8	2005132	757117	[3M+H+Na	28
3236020	2006089	2370802	2023551	2358705	1584253	[M+H+NH <sub>3</sub>	97
556852.8	1120496	1370163	456356.5	708230.7	971716.9		9
7137780	7387108	5005317	4943449	42130680	9439886	[504][M] <sup>3+</sup>	2
5.84E+08	401247.3	8.64E+08	353123.7	4.91E+08	228210.5	[M+H-C <sub>5</sub> H <sub>8</sub>	18
200452.6	342635.2	442379.8	316183.7	197116	298450.5		323
3.59E+08	3.27E+08	4.69E+08	3.44E+08	3.55E+08	2.02E+08	[1092][M] <sup>+</sup> [M+H] <sup>+</sup> 61:	23
2419677	578595.3	89702.49	3007412	308668.3	2212259		1
2626873	2423300	1299029	1304479	2799992	856508.7		9
860171.5	847294.3	1868692	858375.4	681190.1	645850.2		9
12076918	780070.8	329882.2	9772513	4627534	1325971		52
2767831	3654456	3513453	2334856	2624286	2845253		4
750794.4	938504.9	658241.1	591211.9	514807	420587.7		9
26690799	48484659	77815494	23451345	23185119	14880315	[1420][M] <sup>+</sup>	9
5160886	4418763	4749167	3942797	4874771	5100934	[445][M] <sup>2+</sup>	9
3646835	1618800	1002562	3484918	3782790	1759949	[745][M+1] <sup>3+</sup>	3

408588.2	784941.4	872401.2	769899.3	594608.7	200503.5		4
9009902	9851606	4466890	7550907	9217977	9086867		97
249731.8	223173.5	266072.8	62393.42	298107.3	374318.1	[1176][M+1]+	17
28642801	50862583	36790388	26402061	33171959	42287548	[904][M+1]3+	1
820933.9	1101925	647792.3	742842.8	840264.9	508868	[49][M+2]+	4
17557480	14367542	14864198	15633253	16178076	8411713		2
49645254	60405828	24611222	20363187	40555364	56672090		1
8271882	11071186	10985280	6568749	8005209	5913609		9
4540858	3258266	672811.5	4275493	654718.5	2278173	[575][M]+	145
3702440	3712839	2911252	3714189	3804471	816240.9		9
2382635	2183036	3034600	2654074	4158706	3468076		9
1246750	1504521	2087479	903881.9	1228363	547007.1		9
1055559	1513912	694666	596853.7	1303174	2127818		9
5548034	7553489	5141208	4112018	6924016	7091176		13
172175.3	617703.9	298476.8	141326.2	146559.4	903426.9		5
166806.6	218151.5	164637.4	250664.2	259476.6	286910.9	[761][M+1]+	292
1440414	1470410	2264183	1590246	1260003	977404.6		9
721900.9	636930	846876.6	856823.4	736820.5	179746.3		506
1355539	0	749381.3	657351.7	686532.7	0	[930][M+1]2+	1
2749390	5559265	144630.1	4221716	4017179	3877657		5
34562225	34124094	29315270	20867817	75811299	23143650		92
2491121	3887120	2494084	1847633	3606524	3400486		2
3786989	3727559	3678648	3723370	3412992	3407282	[M+K+NaCl	398
6831606	8581613	7521768	5013287	6625899	8110446		4
6948647	8536380	6051009	4911615	7195536	8690620		4
936915	2702051	3388836	691659.6	803733.4	1033395		9
3670531	3619021	3154456	2963836	3225744	2890512		325
48336898	60663078	3109100	75822189	48786739	78831729	[M+H-CH4]	11
1644777	2986524	2186380	1206202	2134187	2644614		9
459447.4	1097587	502221.2	384378.3	642496.2	1036774		4
764501.2	1167313	568208.9	369428.7	846480.4	434600.5		4
8547436	2357308	3594943	8715789	2702788	1158111		2
9092950	1869437	1114214	6121946	7362927	2498576	[M+K]+ 204	46
51982281	42905585	64633057	39914440	37801272	23525463	[885][M]+	1
57446496	53976808	57886157	59818713	58421182	50810304	[587][M]+	174

1223357	690957	698638.3	1537281	499859	1778976	[M+H] <sup>+</sup> 63:	14
24509994	35476165	24413110	14125872	22798518	74964239	[M+H-CH <sub>4</sub> ]	44
16761275	13563538	16504394	15663055	12443569	12970309	[222][M] <sup>+</sup>	61
1251891	748793.4	1099509	1436298	869573.3	615534.2	[1570][M] <sup>+</sup> [M+H+NH <sub>3</sub>	136
9032012	22378477	22435924	8980863	10006167	14320670	[403][M] <sup>2+</sup> [M+2H] <sup>2+</sup> (	18
44141055	25511996	31403443	76789290	21042579	3956958		175
660304.9	917315	861360.8	597911.8	658811.2	214647.2		4
25698542	40644371	40019866	20525416	24315425	22590992	[2M+K] <sup>+</sup> 18	39
7834220	6314683	6958661	9698656	3407161	7120534		408
4933746	2890544	6060786	4803799	5846438	8350860		421
6869623	5011537	5313463	2913785	4875654	8099271		335
119970.3	153872	149047.8	110358	129386	58137.57		147
1593320	1131475	1093609	877887.5	987177.3	632125.6	[824][M+1] <sup>+</sup>	4
2326031	4380663	2890835	1460454	3006366	4132163		9
3893291	5317232	3905650	2866310	4036759	4579488		4
2037224	16695818	869512.2	568965.5	2015606	1121788		52
1442280	2892106	3386358	967974.9	1797545	1378113		9
7264849	10135824	6661544	6733690	5533855	1032280	[M+K] <sup>+</sup> 41:	46
40675503	53257144	61883342	42582658	43450418	30060800	[145][M] <sup>3+</sup>	9
1590270	1810840	1829288	1586696	1719198	895177.5	[978][M+1] <sup>+</sup>	9
2175781	2740114	2387384	728414.8	1778411	3208141	[M+H+K] <sup>2+</sup>	35
55389912	74704896	25112682	42097307	28952876	47741025	[408][M] <sup>+</sup>	122
4791370	2596244	8493239	5698374	4780588	2105851		9
66076937	49386671	7714533	34702883	70118052	90245262		3
24003633	21506337	4985009	6314492	58147982	14487572		1
1632432	2886564	3866113	1509350	1800985	699125.2		9
854198.8	732100.4	1005193	591471.5	570939.9	0	[M+Na+Na]	13
3642147	2848685	5289454	1803606	3268289	2572160		20
2885155	6637138	1062256	1758287	3559679	3135166	[3M+Na] <sup>+</sup> :	29
896880.9	562755	314254.1	491754.1	217057.5	1597579	[285][M+1] <sup>+</sup>	108
924463.8	945199.5	2153590	634360	1090164	683788.7		9
5233275	6956036	6670547	4522201	5028929	5274913		4
13134964	5039067	25490392	7533847	9349938	1989089		188
712233.9	939170.5	893664.1	668307.3	629377.5	195359.8		9
78620981	97208405	1.18E+08	87110089	86812904	63009599	[132][M] <sup>+</sup>	9

3142792	3566370	5095288	3040723	2536399	1455073	[699][M]+	292
397452.2	2170966	1545941	1614748	1220728	1438422	[879][M+2]3+	20
9776252	17551583	21361440	5346328	6139235	10277503	[187][M]2+	18
39223103	25960223	22218101	24032136	35965455	15792187		1
3072579	4513275	1143214	8803529	10704863	18903215	[M+H]+ 49!	21
2124678	3843949	5801846	1679997	2361217	939427.5	[1604][M]+	9
597968.2	495948.3	994016.2	529489	406097.4	281770.2		4
686837.8	931907.5	956749.4	645344.3	631269.9	328770.6		4
28046849	19830310	7289227	15616595	25271022	30911729		3
1.56E+08	3.24E+08	1.68E+08	35810314	67468019	44309451		90
1922850	1983531	2097809	1576106	1247259	1024015		4
7195928	6700594	6856754	7335989	6878922	6764919		174
2682369	3142127	1473026	2340782	1424045	969159.4		15
892566.8	1118754	529363.4	757063.1	834080.4	106142.7		4
645739.1	739901.3	830962.3	398688.2	291511.2	906786.6	[M+K]+ 23!	5
1271204	1406336	1392182	630021.5	1159072	1809621		9
3525813	1628444	4753603	10767381	4143628	2720780	[1415][M+1]+	265
538145.8	699133.4	557821.5	561053.2	295061.3	297998.3		168
1354960	2711209	3416005	925810.2	1649800	1144502		9
8786895	11459187	8254380	9078889	9265328	1932953		2
112193.5	241861.7	354506.7	587103.8	163667.3	860320.4		210
3567303	4838635	4098478	5421837	5957648	49495060		2
6654168	19131953	23882999	8111980	6431197	12950156	[M+K]+ 38!	18
329645.3	226564.7	446317.1	491334.8	143947.1	234856.3	[M+H+NH3	111
539920.9	1141491	954525.4	453690.3	784414	492532.9		8
1750295	8491393	6692060	2727418	941225.3	19266676	[M+H]+ 21!	15
10104475	11286351	4967511	8841841	17833149	21339316	[10][M]2+ [M+2H-H2O	3
5.25E+08	1454300	5.55E+08	2515689	4.74E+08	1239079	[M+K]+ 24!	24
826603.6	1127408	1299398	668112.8	691330.7	675302.4		4
5934522	5197903	1817551	5060895	6577658	6599394	[M+2Na]2+	13
50225201	19763459	21570492	28768585	44007115	12961568		15
2449278	2800031	2594221	1169514	1150156	3217594		4
659848	749168.6	582114.2	546811.1	369508.2	198687.8		242
10015573	659051.3	11937252	8236558	1098333	2743158		4
589400.6	911185.4	363790.8	296855.5	615701.8	816068.4		4

642373	561305.7	846652.9	666307.3	652763.4	259415.3	[M+K]+ 57	23
5360389	270768.4	3629488	3787815	8053471	6769056	[804][M+1]+	2
705596.9	936283.1	745450.4	701794.1	492881.4	101357.7		4
2729023	4.57E+09	5.32E+09	7488847	2107702	2112190	[427][M]2+	2
6037613	4.63E+09	11596168	2.9E+09	3007127	7832850		4
1666481	1994134	1674135	974232.1	1499042	1863772		4
4696846	6429483	2602182	5346718	4284731	4253560		464
2469570	2777640	2021609	1503749	2057781	2416640		4
4767911	472053.5	6606396	5103160	488459.5	2051309	[M+H]+ 35	8
857614.9	272564.1	1105319	580043.3	1229299	3835442		2
993506.8	353194.1	1047997	837557.1	537745.8	1026835	[M+H]+ 68	38
1.57E+08	1.96E+08	2.34E+08	1.64E+08	1.8E+08	1.26E+08	[M+H]+ 35	14
6090245	12299044	9243876	4695555	8776639	10561943		9
947501.4	1041249	719306	776509.3	1211846	1348547	[M+H+NH3	8
21934993	803156.2	19127844	18967986	566753.1	427926.5		168
1436456	1290828	1899226	1250302	893410.5	0		9
2222456	1858310	1917977	2793346	1781718	1267596		2
1133839	6349144	626227.9	3028323	5843336	4053826	[2M+Na+K	3
2604705	1043195	1967427	1845138	2669146	0		2
4842121	5024741	4938785	3874629	3677303	5326329	[M+H]+ 47	95
13113325	13506736	13728052	9320801	26316920	27288070	[2M+Na+K]	26
521737	162208.6	593607.4	540284.7	474086.5	87218		473
15413442	10267552	12685562	12995575	12075612	8646735		2
5852970	5954557	4716623	5279624	4748600	4489186	[369][M]+	240
2933285	3740159	3115790	2312003	3075369	3865090		4
492969.4	710203.4	850485.6	593986.5	355531.6	700289.7	[M+K+HCO	57
604413.7	488304.9	1014328	828665.5	455056.1	685743.3		4
1667621	146835.5	995407.7	793170.9	2202527	414875.7		1
4401667	4328396	3803773	524596.5	346848	1120801		45
4303692	2100009	1154476	3915947	3015534	0		81
7304152	12199677	4945133	24854502	1.37E+08	17690832	[67][M]+	1
1047729	993813.9	440724.7	656085.3	1347419	1542045		9
972279.8	1070253	760108.3	658973.8	523674.6	280813.3		291
5661802	17412834	19538324	6916578	7646247	11487919	[404][M]2+ [M+2H]2+	18
46670659	174247.4	229824.4	38456197	37252467	24827438		119

1950115	696263.3	2239179	1574207	480237.2	0		1
7077563	12836829	9361104	4646723	8787937	10517126		9
905005.4	2131667	3614635	683445.9	1046527	641352.6		9
1014106	1325377	1649090	729550.7	18139768	13939460		9
195808.9	366067.5	304580.4	357888.9	37743.17	251950.5		509
2336125	3204132	2571433	1249492	1979563	1205504		4
5192662	6259093	2848307	5306560	1377541	17597591		3
2761043	3054790	2992662	1990891	2207666	1915801		4
845028.8	775233.5	737323.4	1140312	542118.2	1420819	[1546][M+1]+	62
615200.5	897187.3	1005520	467442.8	726483.6	142811		9
565215.1	673391.4	445907.7	478836.1	462354.7	1642862		9
2855956	5473015	4792833	2859469	5027083	1333581		2
1900122	1358377	2029642	1581121	1950043	211246.2	[M+Na+CF <sub>3</sub> ]	6
1701250	1785521	2229282	1414485	3613173	1477458		1
19816096	13857106	9223448	51537908	67866390	48672443		1
7273401	16997441	25534166	5340690	8436703	6388985		9
1814366	3610178	4732645	1577390	2004038	522446.3		9
48411837	65810383	30487386	32274649	29629691	58672164	[779][M]+	137
9329429	6658299	8507031	14519096	1610088	10995016	[M+Na+Na]	404
490146	639077.4	440900	509771.9	558988.9	516813.9	[M+H-HCO]	38
4508291	3377097	736602.1	4349056	10737910	3122106	[M+Na+CF <sub>3</sub> ]	199
1342243	1024480	1892206	504464.8	1116297	2958979		4
2459157	3639296	1984207	1621790	1717187	2152368	[934][M+1]+	101
725565.3	343793.6	361751.5	561057.5	590297.2	199101.2		91
6643839	8135257	3410252	8349951	3556963	2654686		352
36732427	13272690	38627540	28575705	26509514	14715597		1
867688	1557137	558191.7	729273.9	979032.3	974616.9		9
5365302	1207253	2847809	2560633	6669803	5328276	[M+2H-C3H <sub>7</sub> ]	15
4199130	4472416	3056011	2863985	4288957	3445554		4
873208.5	1226748	546498.1	874112.5	1021598	1800344		8
4412782	7946264	5957696	3153023	5950032	7171506	[374][M]3+	9
4483330	8015838	5833912	3485577	5871994	7117892		9
1990427	1778889	2797538	1461759	2664557	4125873		2
6391577	7660521	2394132	6501705	2532903	7474576		157
1461572	3383563	6080196	741233.9	1599542	558525.8	[M+H]+ 50:	20

472164	733265.3	369338.1	272406.6	405088.5	374676		328
1299184	2304704	2106836	913880.2	1403609	1782810		1
18758087	565947	20111424	15465093	13258211	8685242	[M+Na+Na	6
3653676	1068530	3404507	1059378	2688326	3283583		5
1238848	1832025	1682854	755909.4	1146949	1153660		97
13826191	480014.5	5456542	12908559	12040488	7274333		322
5757114	5975644	3913616	5949289	4916842	2788584		2
501972.4	2441739	3291652	594336.8	1246135	905874.1		9
4582242	6606217	4003726	4265637	6333456	7489447	[2M+2Na+l	14
821362	284855.4	702299.4	1173785	1190319	0		160
8177239	7652274	8475058	9329679	5758293	2165586		2
1618573	3179503	2035193	2343315	1837789	2185973		89
1829968	257334	3009439	2982621	2845304	0		2
3317149	4160686	5128677	3244556	3017246	311557.3		9
3893751	4516179	3444316	3336617	4642750	5042468	[359][M+4]3+	2
2342064	4236562	3172213	1140287	2704067	4593590	[667][M+1]+	4
2997737	1943322	3771915	4053085	3355001	1702359	[1449][M+1]+	301
46091089	46802960	40527977	36852750	38592590	28546795	[1368][M]2+	2
3761173	3235655	4659778	4253409	2643926	3004061		9
366255.4	704293	997947.5	877837	683459.8	684464.1		193
252625.4	353302.6	378465.1	235662.2	294275.4	154640.1		503
2866089	3846554	3306104	1989906	3619680	3394188	[107][M+1]+	9
6099905	5446170	3530764	5289420	7042488	6987375	[108][M]2+	9
221966.4	189136.1	218549.5	130983.1	415298.1	459561.1	[M+H-CH3]	16
1101062	913490.1	601643	1098733	671606.7	757980.4		108
235317.4	1120503	1284021	417623.4	259289.5	850191.6	[409][M+1]3+	18
3832285	6029705	3203946	2688783	2637564	5126210	[891][M+1]+	101
1493881	1710240	1436321	441980.7	1811463	2215054		4
16393485	14594387	13817813	12840157	9704090	11036520	[1311][M+2]+	2
4.33E+08	4.41E+08	3.69E+08	3.82E+08	4.91E+08	5.13E+08	[461][M]+	2
6783751	3386969	3362781	3517942	4312204	3340266		411
646402.4	620023.2	142861.2	942152.3	384488.8	753858.5	[M+H]+ 96	12
1558837	2523609	2174339	895363.5	1694560	2210960		4
1950574	1667860	2620756	1014702	2365412	1070253	[297][M+1]3+	38
19020229	48051869	54821584	19627977	16623641	29949099	[727][M]+ [M+H]+ 42	39



9407719	27140297	26507948	2259125	17197911	40928036	[3M+Na+K]	15
2600523	2896444	3249807	2513851	3156505	4129404		9
2406263	2678312	1906233	1214032	2379105	1346313	[669][M+2]+	4
3237186	1550621	1987316	2454883	2209365	566315.9		4
809302.6	964711.5	478886.9	682181.8	653264.4	1321706		13
2198562	2983512	3736643	2179077	1575523	798006.9	[M+Na+Na	5
1863912	5225019	7416426	3288843	3500893	1276969		9
190325.8	207484.9	164541.3	171534.9	82601.02	86841.45	[769][M+1]+	456
578006	393172.8	602514.2	1072439	642139.6	528026.6		281
665460.2	813531.5	1947339	559364.5	401112.8	0		9
3353980	3514862	3313167	4593846	3285257	489014.4		381
585353.5	731138	991543.8	687120.7	226778	165923.9	[244][M+1]2+	19
244215.9	1479258	1021100	98520.31	550719.5	844109.8		20
1356726	3577671	1562166	796257.6	2618627	2166174	[M+H]+ 47	46
1579757	1331271	809966.8	899276.1	656456.7	955699.9	[M+H-C6H8	46
2145935	1006976	2752247	789281.4	1698646	503807		9
3202480	8089084	11372364	2382771	3494419	3502696		9
5857557	6091600	7508966	3719402	5074328	3987186		1
2412466	3318873	2452007	1458610	2089071	3105665		4
3347999	3033554	743470.6	1649243	3954568	5464106	[M+2H-CH4	11
859709.9	1705825	1600899	771411.7	1289550	1260198		4
1915946	3051288	1425229	1835560	2713385	3523089	[M+Na+K+H	13
824830.7	1598808	10426175	504422.6	1189600	1873116	[152][M+1]2+	9
1746069	2710786	4123250	4262055	2922179	2344552		2
1.24E+08	1.23E+08	1.64E+08	1.23E+08	94333837	30298175		19
4874532	8559078	4751027	4492138	3479950	7592481		4
760689.8	0	1383421	482526.1	394320	224596		9
125000.1	104119.4	229701.6	89920.82	142415.9	30965.14		26
2788825	4829499	4048995	2495755	3536507	4075568	[714][M+1]+	4
1620658	2142386	2121670	1408128	1640324	1732594		4
6954999	9932016	3953158	4681727	3831168	8912474	[779][M+1]+	137
1356949	556952.4	2142209	1214511	772338.4	1169572		9
1242520	1609606	1109898	846247.5	1044009	1230901	[1575][M]+ [M+K]+ 10	38
3221910	5226474	9642390	2519173	2788140	1430271		9
6741660	5613082	6430044	5516961	5041158	7245981		382

2328216	4171891	5474851	1644058	2655188	1174801		9
1979815	2490269	2285831	1381974	1684441	1997685	[567][M+2]+	4
7279193	9505883	5987994	6453995	9814458	7582058	[355][M+3]3+	2
682968	537194	1768174	505413.7	645726.3	1849492	[15][M+1]2+	1
812380.4	187949.8	1684637	912132.5	910654.8	888612.9		9
997753.3	1055348	1379180	766730.9	878923.4	443451.8	[1054][M]+ [M+H]+ 580	44
3339305	4091725	23239519	12632743	5869177	19962623	[39][M+1]2+	1
1024140	1480383	961299.2	801623.1	1316731	1184391		8
39616875	55209462	51387071	49753305	55880953	24457820		13
619346.5	73586.16	576644.5	814310	507318.3	262489.7		156
78711838	1.23E+08	69550178	63084536	74534921	1.42E+08	[M+H]+ 520	3
3525166	1675593	460656.5	2641874	473827.5	5357637	[125][M+1]+	38
1676480	1249190	968080.8	958800	1909280	2433194		13
1469786	3484277	3925020	1367679	1428500	687907.7	[1420][M+2]+	9
7428345	6481320	4508255	6536660	4045668	3810084	[368][M]+ [M+Na]+ 300	77
1.44E+08	1.34E+08	2.25E+08	1.38E+08	1.84E+08	67775176	[M+H]+ 450	33
12194965	14051785	11227467	10467615	15650005	15382312	[502][M+1]2+	2
15354229	15059330	11964459	12374469	10843704	8895881	[137][M]+	117
2629352	3308161	5512602	2130911	2077836	401550.5		9
3451681	5468201	3203951	2295484	2286368	3116096		1
1160634	2786978	2800360	579579.8	1725516	2891697	[M+K]+ 560	39
2629933	3561909	2498116	1903250	2246891	2303036	[1152][M]+ [M+K]+ 590	101
3016124	2139963	3098613	2440070	2951593	1372436	[708][M]2+	262
5059890	6123136	4948538	4367395	6012415	3196733	[1117][M+1]+	89
5221601	4433633	6176207	3766464	4588803	3149807	[M+H]+ 390	6
920380.1	1591929	2224566	864584.3	813963.1	188729.4	[M+Na]+ 200	8
6306017	11829150	9253093	5361977	8008165	11644994	[907][M]2+	15
560919.3	752433.6	1026335	424836.1	915257.3	374511	[999][M+1]+	57
6281155	1596497	1876886	1087784	4190781	12499491	[405][M+2]2+	2
372990.4	268839.1	727440.8	435526.6	592189.6	167955.8	[80][M+1]+	4
32333245	3432714	8630857	15597294	3287793	13249829	[M+H]+ 470	46
678694.7	899244	837437.8	413224.9	613451.1	338490.8		4
5012304	5385620	6237762	2983846	6922826	12275778	[600][M+1]+	28
1144795	1189384	2077850	971731.1	1711842	855928.7		28
1269007	53239790	58974526	42879459	70925893	82227261	[M+2K]2+ 300	3

1146330	27592646	21566135	12622204	2288944	7072962	[96][M+1]3+	1
560466.1	871016.2	1438538	264034.2	552344.5	0		9
3677739	2614382	4155873	4397812	2065282	459599.1		97
1052379	1975631	2617038	1045576	1707757	1195495	[M+2H-H2O]	20
567011.1	701921.6	489841.1	602832.9	657848.9	339280.4	[M+K]+ 474	23
614938.7	1516648	1569873	719036.5	808230.9	777047	[M+K]+ 334	46
118666.9	582684.9	216765.4	115377.5	259619.5	288102.6		234
178706.4	1.93E+08	3446636	2816166	75114513	6009438	[M+Na+2K]	12
483532.8	736834.4	354051.5	421985.2	174257	808881.5		230
573661.4	1260275	1588403	251222	464365.9	436719.3		9
1444736	1625473	1543881	1186010	1419917	686751.6		9
15505401	27558346	13307346	6865601	16413332	26187634		1
4087494	6844438	2296220	2008815	4847996	9193091	[M+K]+ 484	11
2621564	4458683	5413242	1837808	3099097	2149525		9
4101982	3680288	3834758	4712056	4557097	3039930		9
6117484	13301408	10598159	4466653	7882803	11936326		9
971689	619029.3	894769.6	2621497	900808.4	426483.3		317
6266289	8675661	5692311	7556967	5472783	5476502	[M+Na]+ 44	189
1914654	3586899	4916502	1435127	1952369	1497525		9
5513698	9612997	15070830	3886676	5593778	2829873		9
772646.1	1973401	2603100	519533.5	1018697	535583.5		9
3304999	1695577	1281387	325281.8	1700651	2803679	[774][M+2]+	9
2386471	4272096	8450232	1927598	1891093	1043727		13
467706	412237.3	3688132	142580.6	3543481	187990.4	[821][M+1]+	137
1627604	2720666	1838220	1101054	1322648	3340255		4
741125.8	1242543	589439.8	538813.7	1105322	1129166		9
2732639	2828670	2484707	1710513	3105036	2416444	[M+2H-CH4]	435
661100.9	1035251	2433435	703254.6	1767942	1332285		20
583383.4	342209.1	327021.9	190492.5	305279.6	0		492
2278106	4231704	3006138	1654046	2727243	3205749		9
1248817	1873864	985465.4	773705	807926.7	2769092		4
1842738	1.1E+09	1.11E+09	2131319	587440.8	1522639	[M+H-C4H8]	5
2372237	1729047	3471087	7037623	3022345	1986971		265
275688.9	550505	453106.3	1253797	794448.3	375269.1		210
553275.3	760788.8	928850.1	435900.2	556639.2	353915.2		8

1261244	1617369	2869365	1001034	852741.6	0		9
4226539	4064700	3275034	4950431	3796760	3723596		300
15948869	945088.6	26391535	18436797	1106843	4842740		9
3364645	2698026	1780552	2928260	2384369	2564503		348
3027964	10188236	14429493	1499340	2200585	8523539	[M+Na]+ 4:	6
1.13E+08	2.16E+08	1.52E+08	1.03E+08	1.13E+08	2.06E+08	[M+K]+ 48:	15
2404137	5522768	5409078	1316898	3945439	1584398		9
219992.2	902948.9	982830.7	2347619	522401.4	131179.4	[945][M+1]+	165
805403.1	3044594	3555389	3515763	3383477	4547536		295
583131.2	1870708	1570708	1036101	1240657	885713.2	[2M+Na+3I	46
4427463	7884067	5724000	3222793	5893527	7149319	[329][M]2+	9
660114.3	937178.3	749249.1	503173.5	397303.2	109555.8		42
31131800	12031616	22938041	31230273	12307584	13469674	[1253][M+2]+	2
1137188	808415.8	1962505	1256152	1267168	945556.1	[12][M+1]3+	4
10130873	533908.3	4022506	5661589	12322333	13674213		46
9916877	7376752	8908666	8937236	4866497	9895118		2
617084.4	633348.7	525270.3	425250	1897271	78510.76	[M+Na]+ 3:	81
2924357	3524546	3652250	2322153	2997208	2971382		4
5392260	5300040	4772989	5006042	4056841	3168059		307
3894251	2119322	2894628	3395092	2736622	1765565		2
4947777	3430114	3695665	4474757	4542375	0	[M+H]+ 14:	14
1514142	1486790	1742077	1432526	1286662	453796.7		4
501775.8	870985.2	1169582	428596.3	462742.2	153033.6		9
1033356	911664.7	1131320	1586272	1070555	876485.3	[1340][M+2]+	209
4317756	808684.3	3838038	2138380	2909918	941344.9	[M+H]+ 32:	3
138390.6	524449.6	105252.6	526532.8	87270.34	155922.7		24
618165.1	852661.2	1230272	416125.4	646457.1	469538.7		4
2887700	3075292	1345720	2856493	3295933	2722590		4
466413.3	350696.1	327618.6	417238.9	93802.35	191623.2		228
8637842	7490789	6409286	8348677	8554383	2034365		13
2066913	2353563	2294985	1623210	2178682	1436738		9
734903.5	1054751	1682892	565952	585816.8	110277.9		9
819677.7	1369439	1082524	897043.7	782964.8	952990.3	[1601][M]+ [M+K]+ 12:	33
208880.9	2314455	0	335883.2	1360008	631014.5		2
1284975	1239793	1813734	1139315	1211210	903668.5		4

9013466	16439826	8571300	5761639	7038846	8625988	[1396][M]+ [M+H+NH3	101
983405.7	1370397	1356115	699323.6	826470.9	947384.5		4
1480498	1885917	2791643	1299317	1481977	1005529		9
2232148	3795725	2921699	1839288	2351378	1190013		9
4803825	5338264	6268815	3423176	4358480	3881610		9
390653.4	306019.3	669595.3	401464.5	356539.2	213023.5	[1571][M]+	394
7667632	7682389	6779135	6587520	8760840	5247780		2
187024	400184.1	266718.6	253702.5	169789.5	277417.6	[1171][M+1]+	101
9568322	7857293	8233835	8785529	7777401	8000712		2
7461963	4775075	10096753	10608080	8219707	3993714	[1449][M]+	301
414869.3	78755.62	645323.8	217892.6	501329	837576.7		8
224004.4	2109075	404636.5	329881.9	1584680	1467687		2
14588150	22443064	16157268	13189370	26664206	18472384	[M+H]+ 42!	15
4108875	2471291	327779.8	1039162	6440979	10506158	[247][M+1]2+	2
7267724	16941674	25287828	5078071	8052610	6538903		9
6230150	13356031	10618982	4512141	7985794	12059358		9
1358806	1125828	1013790	837445	579626.6	847722.9		4
890022.6	1037758	768037	636452.6	778331.3	1176649	[M+Na]+ 5!	220
4244918	3311330	4195432	3925905	3683351	1483982		7
8601504	16749127	18915110	6236055	9901644	10847343		9
2665195	3003066	1147467	1541714	3004536	3606600	[M+Na]+ 3!	11
8354395	14025180	8288902	5464039	6420214	8089973	[1211][M+1]+	101
500739.8	632939.8	642390.4	432493.1	533160.8	309802.2	[M+H]+ 54!	42
6604197	5809930	2961366	7962175	6513136	9034710		1
845626.5	680673	612821.2	475717.4	812632.3	10922.32		64
3181216	3941539	3394113	2250684	2861770	3265175		4
1018549	1650832	4.2E+08	1083721	2.43E+08	589125.9		28
701883.7	1805200	1553778	558510.4	682114.4	1361594		4
2221451	2712799	1969538	1297991	2141493	2570355		4
21350381	886358.3	1673626	18927179	3252395	16204268		2
662280.6	570556.6	841160.3	648849	692241.9	341974.6	[2M+Na+2!	23
4041227	3442357	5959091	3651318	4393893	1955825	[976][M]+	214
2799013	8839393	2352476	2182462	8464623	5389381	[M+H]+ 47!	11
1970387	3886973	1669103	608896.8	1790656	5117501	[1009][M]3+	9
1529761	1881665	2564391	2844174	2664659	2423681		244

5902182	618717.6	385941.3	7036400	3578705	4824940		9
2724816	2162547	2931308	2235286	1241119	2290737		2
7261878	9840661	11726997	7567870	7611919	5945212		9
2222596	3042567	2306793	3977393	6555770	3529802		1
1403214	2844066	1269527	15934228	3072603	10176541	[1366][M+1]2+	2
1181183	1168442	1372243	1008764	752942.4	912665.2	[1488][M+1]+	100
1633305	2409869	1937092	1663329	1956989	2139271	[1318][M]+ [M+K+NH3	134
18147027	22926167	22974320	14651948	16367211	17775286		4
3130051	2670007	3092353	4931310	1807117	3847874		190
36582264	37052747	33350246	39643945	74605628	29971479		236
0	905334.6	0	82315.83	311349.8	432484		46
8987529	14526551	18272507	7126947	8158132	5837040		18
6409245	6060570	8191353	5928586	6595428	3672665		17
32854929	26404112	28955930	26037522	23139059	31764826		2
1421493	1206411	1543760	2108480	1277610	657143.3	[444][M+1]2+	2
6305018	7554188	5396546	4650534	8100074	10610426	[485][M+1]+	2
478020.2	158494.8	647310.8	447443.9	214544.8	704075.9	[1030][M+1]3+	16
1088457	728290.2	518995.7	862276.1	791615.6	36985.01		4
2461718	595483.2	1969560	2117298	2436491	217936.4		9
2886835	3112118	1285076	2065018	1980253	5662100	[M+2K-H]+	97
697010.6	1710857	1177259	1757845	2641056	384247.7		15
2364173	882371.8	4368367	4200121	2806247	1731551		2
578120.1	1127378	1240794	701984.6	721208.5	396381.5		4
26969198	36773736	30679451	18811964	25498417	33853632	[724][M+1]+	4
903370.3	1597895	2017143	392468	847860.4	528177.8		9
7029972	6642088	1727381	2888698	8745259	12806510	[M+Na]+ 3!	3
1059862	1267360	1448107	679135.4	1216153	1081582	[628][M+1]3+	1
89008726	94454345	76011682	76734540	91018367	92554607		2
2148991	980506.3	1162918	1720422	1954131	286767.1		4
1315805	1531706	1153321	935165.8	404790.7	1788872	[748][M+1]+	4
2037105	3532824	3711064	1594863	2070755	2007371		9
1339684	2117374	1600507	1041745	1177689	2240855		4
18985865	27504949	19599341	32457115	24154468	6971683		2
9807830	6131839	12848187	29979270	9755467	7705240	[1415][M]+	265
10566247	5526579	5911823	6473798	279533.2	2883483		303

24541259	37246002	28956072	18010836	23788902	34449455	[718][M+1]+	4
3251116	4789104	2518655	5374057	4471905	297405.1		2
624022	543525.4	777616.7	577265.5	657419.8	223614.6		4
15780558	24275702	39273182	13470430	15184318	11889164		18
4234606	2869540	1146073	4044494	2129591	2825374		2
7225839	10358686	6357841	1488122	6924556	9525082		375
409301.6	1858129	1256046	352731.9	393309.8	2754651	[1131][M+1]3+	9
936559.8	1135760	1866910	870790.2	737281.3	3305534		235
1465568	2095585	2808230	1374221	1473846	2596345		1
1174352	1738918	351876.3	723585.6	1319504	2010536		9
2131752	3918848	5714922	1727210	2298999	999404.1		9
241076.3	153114.9	524527.5	125921	230766.7	24287.84		26
2138472	1806697	2171736	1431515	1149603	2517255	[M+K]+ 289	5
119773.2	128866.8	202324.3	208268.6	100415.9	113697.1		345
10280758	6910710	6453503	8103717	6259148	6201959		208
4933994	3552727	5011646	4930135	5038167	6580202		209
414775.7	652372.1	809055.9	512880.4	471659.2	306721.3		9
5051314	7247826	4766726	4785678	5361914	3317115		241
1443947	2888581	3836389	1035608	1595679	1562640		9
3770158	6129826	5411397	4018652	3148417	4442807		5
1924763	1099577	1858448	2306205	1491197	1628018	[445][M+1]2+	9
978446.9	1686868	1457859	734017.5	1613715	6278069		1
8104518	8723390	5741551	7328615	10772994	9934033	[1353][M]2+	2
45840756	46281286	28834918	36345965	45270932	43398423		2
2488047	2088284	997270.2	1264794	2408044	1408323		97
387623.9	714674.5	592452.5	359256.2	604331.4	186810.1		4
5288757	6972774	4894020	5194186	4893756	3162363		272
2594486	4426035	8102210	2017476	2534092	661960.8		9
1003508	2553226	1028856	855957.3	1496007	2563466	[1090][M+4]3+	9
633084.9	785293.7	898532.1	312339.3	778673.2	628512.7	[M+Na]+ 10	8
2070174	6994670	2261140	1346681	1181875	3881532	[650][M+2]+	4
679631.5	418954.1	409252.2	416554.4	492988.3	167888.5		343
608486.1	715051	921779.4	422724	604897.7	619743.4		9
2251821	569582.5	564913.5	4060367	524652.4	616008.5		41
2413420	2984273	4572716	2824171	1374539	2037010		4

2866634	2569466	2721013	2490718	3059337	2243417	[M+Na]+ 2:	121
4112023	4957220	3482753	2308601	3918064	5199000	[1240][M]+	4
2201496	2453799	2652467	1338430	3865691	3596240	[M+H]+ 78:	13
4622096	2194669	4216609	6980269	3406429	921159.1		2
259787.8	347365.6	419795.3	179872.4	201237.3	136479.7	[1584][M+3]+	42
1208135	1473789	1156322	402468.2	1277335	1656987		4
10689009	5672514	7208765	10771107	6978351	2547211		2
272757.5	323130.6	263381.7	331670	190291.7	188138.1		23
4070960	3556944	2314427	4013827	3094789	834066.5		9
349298.9	1632583	1424789	417849.6	229884.7	1785767		9
2.57E+08	4.1E+08	3.91E+08	1.82E+08	2.99E+08	3.32E+08	[151][M+1]+	18
4959736	3083914	1555194	9826758	3667280	3644301	[299][M+1]+	33
2028756	1666569	766896.4	1163823	1814939	5151759	[M+Na]+ 2:	11
310714.9	1110790	1074703	437896.5	344941.7	568754.4		4
2935521	1625483	4245412	2192750	5666959	808876.7		2
2573456	2888855	1969099	1172619	2372544	1950500	[927][M]2+	4
2176986	4045908	3377040	1537784	2584613	4501458	[1404][M]2+	9
1294410	3139585	1887206	1193224	2229394	2160592		9
889826.6	1859514	1159604	571891.5	1280840	1606757		9
2240810	3819258	5640012	1698609	2267722	1140802		9
1517935	3122798	3431238	1248124	2015134	618218.7		9
960898.9	2169297	1378022	5800309	2829715	426512.4	[990][M]+	165
3750046	8949721	3454701	2913682	4430060	4265913	[M+H-CH4]	189
4814460	3724165	1961563	6721077	4766437	5384107	[M+H]+ 31:	346
1965987	1092022	3272746	934072.5	1164013	1059263	[M+K]+ 53:	3
1267947	989219	2448429	814511.6	2565429	1276576	[M+Na]+ 1:	6
1122095	715980.1	7759131	1705782	738331.3	1802389	[654][M+4]+	4
5258158	7018057	6660584	4482795	4996307	5235716		4
5152122	3370858	5488262	5048942	3253031	3169165		2
1419719	445253.6	2128014	2467305	1080676	440411.9		9
2868015	1176069	1798471	2555541	1532979	3434129		2
2923014	3476176	4351841	4289691	2326367	535059.3		2
2426419	2317611	1980377	2289723	2029076	910638.4		4
5404323	6942819	6653999	4605897	5142546	5331508		4
3504067	10031008	10088320	639700.3	2796985	1354066		4



1768449	1397422	1443475	650911.7	13558292	6864726		1
994015	926096.6	762107.3	454825.2	959095.2	471374.2		4
5320385	3701525	4548160	3701658	3755220	4779438		2
1698010	4114808	5544606	1244048	2261041	2068182		9
650409.2	349997	1204565	994004.6	1166575	1551279	[725][M+2]+	9
985589	1732707	2262479	711558.3	1396754	1026458		9
4541394	3078058	6227896	3940313	2510803	1919588		2
1018460	1790620	1303761	521496.6	1166586	1755238		9
1075456	1584029	1091731	552040	1269404	1940362		13
772342.9	630859.9	877822.4	423324.1	708357.1	585845.6		9
614276.2	214317.4	1231281	416954.3	259777.6	169288		9
1101814	613310.5	989475.6	238182.2	738084.4	373531.5		91
656067.8	1622821	2031222	336025.8	637946.1	956538.9		9
984488.7	1598038	1256778	467049.1	914010.5	1297059		4
5389930	5985337	5021478	5250054	5575240	1735805	[1610][M]2+	2
31192426	1539599	37467898	27786682	1427705	3167213		13
84390958	28554303	17458217	87703947	20581285	3657764		6
1710836	4053031	2593962	615048.2	4369299	7298457	[M+H]+ 41	15
529805.2	857598	723253.6	502024.8	681013.6	341169.2		4
67913552	1.06E+08	1.27E+08	65441738	69754113	65360428	[321][M+1]+	39
4699171	5157066	3815354	3611487	6222584	11289180	[M+Na]+ 4	97
3578593	3519488	5674771	6877718	925396.7	3195064		272
1756496	1870454	1629211	1205569	1615656	420583.3		4
791894.6	1340351	1336189	122086.6	1334505	827188.3	[1124][M]2+	20
17188999	26398614	10962138	12155673	16872172	36872861		9
2.29E+08	2.3E+08	2.56E+08	2.36E+08	2.44E+08	1.82E+08	[52][M]+	9
2155281	3987252	4008141	1442846	2471534	2381125		9
7554069	3064971	5850223	6548218	3087184	2420954		2
1509557	2849567	1771928	1076391	1920172	2184693		9
3750485	4219235	321977.2	2572946	5141062	3325272	[M+Na]+ 1	21
3667403	949971.9	563821	2832384	3321508	2857356		46
17194368	14497076	13074656	14362506	16898680	19135437	[469][M+1]2+	2
646605.4	658275.9	834814.3	1133782	426164.6	1374324		9
1425442	1542941	1449109	2626121	1222003	1052554		1
730685.1	651103	313264	449354.9	290594.2	15966.77		145

1128098	1355382	1368024	799985	1025013	525788.8		4
1816657	1744150	232302.7	4976643	1193852	1432818	[M+K]+ 79	46
3851821	5601373	4447717	3594769	3718919	1314705	[1580][M+1]+	9
1006209	1270133	1462700	711624.6	830743.6	639729.1	[M+H+HCC	8
1100451	1273230	1332559	832623.6	1238435	1031785		4
723959.6	1149131	743962.2	557164.7	774809.7	763146.8		8
1029787	1122838	1289947	1033801	849346.3	373855.1		9
340785.4	229035.6	199842.1	274641	153178.9	108866.3		74
12645466	18111200	14163223	13737627	24832953	11175599	[M+H-CH3]	15
11460240	12505119	9371123	12626607	13806993	15028628		2
11719474	13574869	10057501	13268912	11090800	4401178		2
12285961	13020918	1727075	12686149	12405854	19216907	[M+K]+ 43	3
765919.1	1156278	505384.1	614398.1	1430049	1493047		4
520059	953310.4	843933.5	8843193	804012.2	789951.7	[773][M+2]+	9
4667554	4224571	3260982	3001211	10186471	3514991		279
1944778	3641248	4864045	1358379	2258919	1355109		9
424024.5	412902.5	660892.2	381788.7	210108.4	245921.8	[12][M+2]3+	4
1464270	1244822	1864609	13717448	21155905	7075943	[M+Na+K+]	13
3711889	4012569	410899	5936729	10592666	6404654	[M+Na]+ 3	21
8888960	2709385	7032759	9141786	4409688	2429319		2
1162952	1785559	1403524	1111766	1576375	1135155	[549][M+3]+	9
1750792	4150153	6509990	1383322	2217063	1267821	[476][M+1]2+	9
4828841	4864443	8634055	5009149	4685987	1629006		430
11276341	12693346	10255931	10197498	8757822	18800002		2
1125859	2084960	2127696	1859838	1598440	2524382	[1370][M]2+	35
1.64E+08	1.95E+08	1.68E+08	1.35E+08	1.47E+08	2.1E+08	[700][M]+ [M+Na]+ 3	31
3513167	4618337	3455905	2426232	3386019	4611949		4
1315901	2247753	1540552	869368.4	1438350	2030137	[M+3H-CO]	81
3422280	2994264	2267097	1625219	5093247	4831448		2
408323.3	529197.8	951914.6	210486.1	545364.4	250073.4	[2M+2K-H]	28
2358358	2478200	1273826	1962239	1706914	1958675	[2M+K]+ 3	29
977708.4	1038044	1273447	717651.3	849675	552796.4		4
689364.8	1068859	1531201	516315.3	606197.9	337414.4	[2M+3Na+]	8
8307706	575800.7	29063.37	9291709	3254125	469232.7		52
302074.6	570464.3	547918.5	342893.8	115518	783617.8	[M+H]+ 39	450

580849.2	667202.7	1317628	567148.1	1373821	568285.9	[M+H-CH4]	14
6390148	17127432	10224981	3594442	1.07E+08	13343599		1
4422471	7159611	6713146	6299139	6579006	6665491	[3M+3Na-]	314
5912727	4215893	4661846	3822331	4370263	4474007		2
812494.6	2072161	2468727	1439789	1355152	1759510	[1045][M]2 [3M+2K]2+	18
1540331	1531611	3598940	826680.2	1545471	886171.4	[1475][M+1]2+	9
2322193	2969280	2963149	1939801	2086557	2301134	[115][M+1]2+	4
1171118	634957.2	1433841	973467	876892.8	220626.1		9
4602157	6157362	4955525	3641274	4953149	5891482	[13][M]3+	4
752784.4	1214524	778470.5	651947.3	568361.5	1238506		4
875637.2	1964525	2840123	1235259	1910674	829573.7		9
614337.4	573258	361138.2	503801.7	447014.1	336075.1	[1053][M]2+	117
452868.9	650379.5	970331.3	1249982	244333.7	157528		113
764837.9	559795.9	26699574	21617955	36511595	13931928		1
9053461	16860924	27223336	7539901	7884956	4414371	[1420][M+1]+	9
34911940	21147927	26466337	39255953	18593228	8197063		2
7091819	6909971	9502971	6783671	8177566	4134907		17
716382.1	399480.9	829148.7	3.65E+08	3.7E+08	485020.9		4
1140640	1238661	1027668	1208131	1094781	690647.3	[645][M]+	25
519384.2	1057530	1790732	296957.1	504000.6	341326.6	[263][M+2]3+	18
3110220	2497131	1026114	2828066	2947270	2146828		2
4732328	5766194	5078850	3711932	4603646	5190472		341
2.65E+08	1.84E+08	90876197	3.88E+08	1.38E+08	3.91E+08	[215][M]+ [M+Na]+ 2!	12
3170338	1578329	3396435	2633132	1121544	155916.1		1
215888.6	168418.5	1194996	338159.6	314978.9	1033100		9
7297980	1341392	1240662	13347660	2321715	1188339	[434][M+1]2+	9
2195098	3892340	3020537	1331341	2486789	2901990		9
1054921	2293122	1376566	368665.5	1691116	2691647		9
5595423	5292129	5059084	4785399	5220915	5163657		407
407439.1	485552.1	317111.8	442737.1	328838.7	214191.7	[695][M+2]+	119
33874124	48233322	60402528	28744826	28489139	23868329	[M+2H]2+ !	18
21438958	30764119	24212877	17223815	18727637	30690832	[1342][M+1]+	12
1830467	2342766	2464870	1963241	2188587	804955.7		4
490606.9	361136.2	363931	291649.9	323466.8	165570.9		110
15948652	36989338	52454972	11531076	18344832	14727653		9

5796404	12048895	11203930	6825189	6358399	4016257	[M+H] <sup>+</sup> 38:	93
15588092	17422880	13722217	13223112	18379216	19025935		2
347873.1	1319889	16640950	6420822	1898781	4045287		9
602561.1	1165455	1093348	560547.1	680656.5	463684.9	[M+H] <sup>+</sup> 35:	8
430597.2	324938.8	308674.2	180663.4	272179	242899		136
275060.1	621242.2	510057.8	499711.2	250798.5	339043.7		39
484562.6	824554	537763.9	221385.2	714957.8	738114.1	[M+H-H20]	8
3390705	1133474	1857099	2775513	4771411	2484959		2
3674413	2505650	3252124	2684849	3907099	2453622		2
2422286	1562417	1112764	1513260	806538.5	1858800	[782][M+1] <sup>+</sup>	4
2241973	1684332	2286092	1644153	2149520	2231939		2
1050974	0	1517195	755464.2	1282376	2213732		9
1618283	3421443	3315389	1317398	2306888	2056806		9
516075.1	959656.4	929048.2	469321.9	348787.9	322145.7		4
203644.9	2224300	151379.2	241562.8	2271564	1568740	[M+H-H20]	288
2729719	3870796	3222198	1604915	3708937	2672872		9
1486426	1603817	752741.4	1660316	725987.9	1312216		200
678708.2	2021402	4162629	1179760	850350.8	2351889	[727][M+1] <sup>+</sup>	39
1703531	2957864	1871952	1379641	2540076	2464169	[396][M+2] <sup>+</sup>	2
2775230	5869700	2456390	3065444	4060096	3155648	[1103][M] <sup>+</sup>	2
1096284	1169842	994129.8	923301.1	1051628	862066.5		4
5321171	4622031	4343453	6256834	4365493	2595971		2
406302.4	652623.7	510928.5	514894.8	304129.2	246082.2	[M+Na] <sup>+</sup> 5:	23
532615.3	368318.5	887132.2	892809.4	578458	81657.55	[1569][M+1] <sup>3+</sup>	87
10139332	18081583	32081430	7728163	9656311	3803932	[604][M] <sup>2+</sup>	9
616655.7	4506762	2824136	4271549	8691339	7699919		393
479512.4	804352.5	587430.1	268205.2	520647.7	18770		91
822821.9	1680712	1442557	848569.7	821819.9	1349359		4
930452	6115060	3658406	914877.8	1867984	1562145	[3M+Na+2]	93
5041040	8726170	4057616	1875873	5446824	3783065		1
712940.3	1257631	854222	651395.7	716894.7	854297.3		9
45486033	1260430	1235407	48270015	425555.3	1894215		12
1511775	4931851	1752284	2034116	3131492	2341484		2
412279.8	281515.4	432502.4	677947	169067.5	530011		210
4031652	498085	3145977	4561835	1463014	1164300		2

32278610	12551068	4703895	29996984	28603638	6737485		1
4012225	5321870	1580261	2697365	1658504	3015330	[491][M+1]+	122
6485467	747745.1	4720075	5433109	4370095	5547996	[396][M+2]3+	2
1229932	1140423	443476.3	1321211	1481859	1604291		1
10715376	21607786	27096402	8229507	12216118	11189625	[1373][M]+	9
795904.9	2183763	2207916	1370286	457385	244508.7		2
654318.6	639914.5	2646853	2948014	1516908	1719349		9
5790898	9519331	834618.1	4473579	10155841	4572900		84
2302572	279369.5	1486127	2734586	1502650	2905343		2
2130187	2357614	1765265	1253153	1549011	1795079		4
911504	1382777	1450378	675307.2	793270.5	0		9
975005.1	1272749	348060.7	557388.4	1228849	1272169		1
3461130	1670511	1401066	2217064	5197566	3293277	[M+H]+ 17!	3
36616.94	340744.6	423999.8	33890.77	233269.8	144592.4	[1328][M+1]2+	20
847747.6	478601.5	359700	636530.4	788680.2	264893		91
1636675	2262441	4974646	489050.4	1173509	2651070	[M+K]+ 17!	13
14662313	10497729	12239552	11644445	11108261	9861856		2
17569788	27726168	15543740	10766279	12194912	23126051	[964][M]+ [M+Na]+ 5!	101
98085842	44674169	3679754	92200986	12329974	52140993		2
9225143	9782026	8383713	8481581	13853064	4414978		391
4106851	4830055	3549780	2338944	3887223	5193643		4
8440128	17263783	19019623	6581896	10113208	11311130	[1373][M+2]+	9
2160808	3816692	5752822	1737520	2150019	1053334		9
379509.1	212983	195930.3	221397.1	97099.74	357581.5		108
584234.8	401961.7	687189	375145.6	466523.2	237422.3	[1119][M+1]+	17
37178081	53744298	44898140	27039372	36211165	49501892		4
26939193	36576452	30954745	18734292	25517701	34234315		4
1171798	1172771	1603319	1653279	1229544	1340262		214
1212950	24669317	14809096	28753423	18817847	5654233		1
700150.9	1465793	1989134	537721.4	889677.7	526146		9
27166033	1878445	2336018	26531602	1679656	998285.1		9
3702330	117243	608616.7	4717898	696154.3	768581.7		358
7962484	844709.2	690835.2	8633758	905102	12400269	[577][M+2]2+	9
1061240	1106411	4947648	5429738	1431547	2617164	[396][M+1]+	2
2269988	1580400	1798016	728791.8	2281438	5643840		1

339050.5	155878	601102.8	1794693	551472	168800.6	[1527][M+1]+	463
2919926	5169504	4987561	3066232	5139154	1463879		2
2786115	4200597	1053976	1908178	1992082	3312182	[908][M+1]+	148
4732145	2832781	947701.2	4611518	2739157	5287392	[M+H]+ 36:	3
301289.1	267981.8	157736	341365.8	82416.48	125849.3		69
669632.6	1773635	1019124	718858.3	1021118	1226163		9
9611585	11848094	10496039	6373090	8891510	12368412	[1164][M+1]+	76
47470353	34977456	41759453	46714152	45189030	35490507	[1208][M+1]+	2
949250.1	31395.9	136533.2	609761.6	786892.5	937874.8		9
5023588	4750253	4397856	4352182	3426994	5011604		190
2557057	1935923	2921853	3226599	724677.6	2168044	[M+H+NH3	135
523145.3	953634.8	1062076	901192.8	583933.7	1757672		65
2279331	4408057	6275486	1943137	2211328	950761.6	[675][M]3+	9
1001202	1544663	2186181	801693.9	749006.8	122890.3		9
127996.6	132681.5	176668.8	82129.11	97016.76	106670.6		98
570757.3	5790732	4033629	2292841	4001104	6714198		1
706233.1	360970.8	890165.3	960730.5	369144.1	402710.7		160
5468625	3582433	2080434	4877233	13771107	2628860		1
2119461	6767879	4638075	1338106	1112305	7660725	[576][M]2+	1
703440.1	1442887	1847472	627868.8	777067	96697.59		9
349562.2	815384.5	752101.8	280806.3	372960.1	723704.1		4
1298252	1831188	705223.2	989116.4	1622668	2409940		9
5706587	3380012	5572568	5657655	5803056	8394045		390
8098329	4805604	10482627	10122666	4473343	4052549		336
201610.5	708414.7	533286.3	260366	611651.3	573560.8		39
1026698	2416570	2568835	896835.5	1831380	898660.7		9
4249885	8460893	4348663	2945017	2758949	4116125		174
726864.2	1021560	983919.3	714476.6	908574.7	502127.6	[553][M+1]+	4
1414887	3238341	1653108	980502.4	1444840	4885746		2
338999.5	4609114	368283.4	231669.9	176472.9	91739.95	[M+Na]+ 3!	25
1532117	1539846	1089743	1532174	1024594	952110.3		154
3688282	1336325	1246011	2795842	5200717	3774897	[M+Na]+ 1!	11
53194847	67940171	78924702	57702445	59034456	40561037	[549][M+1]+	9
1425240	3940638	799527.5	320377	969640.5	522935.5		52
46051932	66048095	53885491	32202641	44276277	60781881		4

568700.6	931934.7	600794.9	892579	850323.5	758854.1		4
3542354	1507878	2360607	4308740	1533509	328501.2		2
745750.7	477921.6	820862.8	1054742	176500.3	187963.5	[1593][M]+	154
482480.3	374250.5	135062.9	510476.4	148149.8	263804.1	[206][M+2]+	103
4687136	8178966	2367725	3496538	5137611	10583862	[2M+3H]3+	15
1592902	0	894994.7	2315265	1881809	0	[M+H-CO2]	14
2193799	3952965	3166421	1328047	2430750	2864725		9
1351398	2285564	2616628	942433.7	1686083	1091252		9
249213.1	682668	549369.3	163133.1	443846	622968	[M+H-CO]+	6
934302	1317567	2324957	859880.9	998189.5	1004240	[M+H-CO]+	18
6729427	561520.9	1605529	6422477	9270679	1759227	[3M+2Na]2	15
572324.8	629359.8	506615.9	495482.7	294510.5	390663.5	[719][M+2]3+	69
3734674	2575978	916235.9	3285297	6622736	915044.8	[M+K+CF3C	21
10628095	21442469	27171356	7992608	12225769	10829175		9
4744597	3993673	8999565	4560203	6587878	1918515	[3M+2H]2+	28
1883117	2263695	6621525	7213100	3172524	2519361		2
1894341	3105352	3607668	1095888	1658911	1125652		9
2208446	3175422	2564015	1291992	2099649	1298949		4
1545751	1413066	2333765	1321660	977081.4	809932.3		9
667907	2306248	6543854	2626874	2261182	2091964		379
10901644	12432085	10421561	11060362	6329179	7967465		184
659834.3	126904	532582.2	443986.2	638540.6	0		486
1998721	2686152	2556818	2591190	2533564	3565202		366
3931802	3942406	3900174	3535048	3596646	2146182		198
4030160	3167592	5941802	2819769	2545170	818025		1
1.86E+08	1.86E+08	1.61E+08	1.63E+08	2.08E+08	2.16E+08		2
5531832	10787282	16193969	4330005	5630555	2909777		9
18993900	25936343	33470147	21981613	22037494	15490760		9
1726958	1967961	1097778	712047.9	547983.9	5757701	[3M+Na+K]	46
2750042	3567448	4151416	4451593	1799258	2290704		2
3575843	4158436	1433522	2344419	5403240	11126983		9
8068838	3992167	11527239	4361009	6236084	4702244	[M+H-C2H4	392
126368.1	373762.7	389745.1	216683.3	691184.7	539270.9	[3M+2Na]2	28
3512838	1160548	5055002	3702542	3164582	2777772		2
321494	230824.1	607780.2	433428	621929.8	304844.1	[1181][M+1]+	35

173791.4	220966.9	125362	201754.4	159041.2	67013.52	[624][M+1]+	25
1657925	1582358	1703616	1231011	1384126	625039		4
747092.7	1496191	1340767	430181.2	787124	836997.4	[M+K]+ 50	8
2495682	2608949	2625648	1919325	2353860	2164762		4
1843141	1280120	570310.9	1997671	822657.4	825886.5		221
462628.5	1451876	538843.2	438224.8	1051801	1013449		4
680177.8	947530.7	629684.4	331473.7	887151.6	962682.3		9
127664	858546.6	593703.1	0	469678.6	149898.8	[M+K]+ 63	46
51141996	27296553	11524661	36503071	34624883	25010854	[M+H-CH2]	15
1330534	1004939	1769032	1437465	1685632	1405507	[859][M+1]2+	39
1611845	1200497	239942.2	1122282	1490680	2128894	[M+Na+NH	11
631304.7	502239.7	428736	428137.5	657204.4	405863.9		4
3386225	2727404	3108146	2724000	2913173	1288391		328
3.51E+08	204463.6	6.68E+08	1.01E+09	9.24E+08	2.8E+08	[24][M]+	85
9826624	3195348	7781364	8935855	2509827	1149661	[414][M]3+	2
8412580	17121394	19412806	6993743	9950752	10579910		9
1377144	1812300	1628520	1105166	990116.9	1979850		4
3930971	7570638	6139584	4160717	4933480	6998062		1
454287.7	342551	225619.8	350713.7	861262.6	743101.3		91
7608995	13097299	7085752	4886103	3839493	5664230		184
7.7E+08	8.33E+08	1299140	1635894	7.17E+08	495588.5		24
7770242	8286904	7111949	5668131	9018071	12876086	[31][M+2]2+	2
4726235	6020197	4956833	3676737	4973316	5966392		4
1299908	12257141	9.67E+08	9117009	6734146	13224372		2
2930669	3221551	4351420	2591795	6451778	2024684		2
1387563	1486639	1493033	1278273	888374.9	1871583	[M+Na]+ 7	135
390286.6	626504.3	1259765	872243.1	444408.7	1124701	[M+H]+ 47	23
480000.5	402616.7	144883.3	344637.7	340211.9	516891.6		240
816676	2498739	3369104	1592394	910044.4	2185548		5
2459793	3363400	2585360	1397448	2456143	3721414		9
683818.5	1662429	2067531	411586.1	748070.7	943366.7		9
1687271	2661579	1241215	461986.2	3485464	4257379		2
9994955	825237.7	36129.79	9986063	3407207	1742504		52
5792939	4516063	6699963	5725667	4737350	2223782		15
4226072	5004683	3689238	2590462	4064576	5221802	[1254][M]+	4



2246641	4649601	6866286	1594064	2558116	1116428		9
883163.7	0	1069512	682107.1	679964.3	568794.8		9
98160.48	1121496	1179345	31573.7	334169.2	669151.1	[3M+2Na+]	20
1442335	1673826	2330270	682265.1	1470730	2753495	[677][M+2]+	9
3476981	2975203	3283536	3618098	4360045	3242357		321
1315043	2049121	1464633	405588.7	1813694	2732153	[M+Na]+ 2:	35
1622981	620878.1	412171.2	1681315	2039417	984737.3		489
40799877	1.36E+08	57863354	24884858	1.24E+08	76246237	[1289][M]2 [3M+H+K]2	3
69811560	99320523	78842878	53400667	59982289	95367431	[1342][M]+	12
1377793	2126394	1128465	1369355	1923901	5283606		2
7791367	5907176	5387804	10377068	13385889	5584409		2
1994395	37701888	12881255	2380454	36620649	5284209	[M+2H-CH4	15
913930.1	588035.2	1654732	581614.6	421106	826445.2	[283][M+1]2+	12
1978403	2341057	1825738	1394642	2065571	2536975	[80][M+3]+	4
437592.8	860568	880362.7	559464.5	603815.5	313843.6		157
7607586	4421985	6524318	6563789	7150465	6028152		321
3204691	5771401	1288340	235724	5890746	6692129		3
2498317	3035056	1876326	1958953	7513817	5845809		304
1605529	2699695	2516477	3122773	2735558	489125.5		1
9363797	651804.7	10236677	7340048	892015.3	2302779		4
970028.4	950170.9	1590021	513987.2	1114593	577254.8	[M+H]+ 46:	28
2028920	3012179	2204935	1997749	2104693	1655156	[1187][M+2]3+	2
1071476	1698074	1498245	964953.6	1351012	807680.3		9
2495264	3247464	2474668	2094885	1942873	1905754	[M+Na]+ 4:	97
1326890	1526490	1581573	887010.1	1807790	1473034		9
89720896	94677967	76858694	77474814	91348185	92683643		2
6574267	3118284	5326669	5525397	1477197	19328804		2
9326090	14880335	8743373	5883735	7008566	12555442	[1048][M]+ [M+Na]+ 5:	101
6606358	4347687	3331572	1330161	6423958	9165509	[M+H]+ 25:	3
871955.4	1380318	1748243	995312.7	105912.1	936090		4
421892.6	679855.5	545164	2401664	563654.5	2098929		9
815853.9	80193.76	1148162	1148133	315934.6	2220233	[M+Na]+ 4:	159
1807629	3039126	4116483	1792925	1723662	1042960		9
2954295	2741374	2761573	2814210	2585044	2784003		419
1683568	3022030	1989199	1143762	2219260	2581261		9

26059726	22004817	4692703	18368252	18954999	40250847		3
1034933	491569.7	778191.5	855206	535372.5	81118.19		4
2269560	1162189	312900.1	1774436	1630648	2511711	[3M+H]+ 3!	15
4872975	4753576	4826310	8124353	4367824	3716176		390
2772393	2315878	2158332	2669360	2362169	1028997		2
2392816	131827.3	3401979	4315145	1236189	0		2
9622794	10324650	8212858	8306163	8204829	7095341		277
1144642	1061522	1351056	1399260	1748072	1431296		39
2230486	3320819	2763343	3086224	2068280	2988763		179
757307.3	736489.2	3096219	2104108	1573589	2320276		5
6782563	3219201	2486321	6861403	6314662	4710732	[M+H]+ 31!	3
340707.5	724788.9	28079462	15832051	673142.3	6338066	[653][M]2+	9
2270549	3078602	4647731	2330824	1822952	2720497		4
2977119	3893880	12522772	3709976	3065250	7746778	[M+H]+ 55!	13
6031280	7550647	5785566	5950194	3812470	5073343		386
1045508	1000584	887703.7	1257705	856396.3	467642		9
2113903	3677435	4153854	1321186	1963710	1571014		9
795369.6	1438242	1397469	557039.8	1105391	1110823		4
762696.5	1181683	1214417	840507.6	647631.2	179947.9		4
5246679	853214.8	7995011	1525742	1104983	16894492	[365][M+2]+	1
3703042	3633473	3390065	2714150	3607539	6163363		2
549498.2	1869201	3068615	15031016	822928	945924.9		9
6105328	4811104	5648280	9301961	4771786	3289591		2
10580206	21326376	26885830	8199586	12199756	10590593		9
2651298	3513529	3518155	3551679	6784616	7840258		2
226553.1	424287.9	722568	337498.9	339003.7	354026.4	[1585][M+1]+	89
1017972	1948834	3732980	838485.3	1177965	278827.5		9
135967.6	342258.6	285986.9	207774.3	171927.1	152918.5		112
1075216	1559504	1824004	2299048	900753.2	1898456		42
1414049	1905583	1562496	1743992	2042027	0		2
1284939	1257582	1659147	1367654	1693696	662857.9	[1092][M+3]+	23
40861401	47736875	45848815	40720564	37476881	30996672	[101][M]+	35
668260.2	613999.2	726441.7	852741.2	411684.1	243021.1		301
5959653	1891083	4583246	6434820	8373685	7111343		2
6336534	6308222	6219696	7392457	6780814	10944578		2

1641811	2088543	1768617	1054473	1080044	2258324		4
5519905	7267629	5889703	4302869	5833143	7120179		4
695787	1091496	794960.9	407520.4	532806.8	1078575	[2M+2Na+]	8
346773.4	850293.1	1007518	370722.2	741224.9	650639.7	[63][M+1]3+	4
1.41E+08	10656589	1.93E+08	2472101	1.24E+08	2726799	[M+H+HCC	13
10595816	12022387	1540936	3865890	2667356	20358881	[M+K+HCO	3
418052.9	86060471	210295.7	371768.6	208835.6	125338.6		61
6731869	2700439	6238098	4818013	4192440	4008312		2
475688.7	452093.2	858812.5	320866.4	488704.7	599158.2	[M+Na]+ 7:	23
1855682	3879448	3105183	1286427	2367858	3283979		9
993694.6	2404998	3253746	774454.9	1672368	1698018	[1037][M]+ [M+H]+ 56:	18
15267029	18960559	13579680	12963644	14735165	17866021	[1153][M+1]+	2
2803383	3035128	6304646	28513266	3456831	21520100		3
2798308	4570981	4315421	5581229	4490311	4654606	[M+Na]+ 4:	140
1638977	7950857	8194265	2805769	3194988	3891636	[3M+2H]2+	20
400401.6	839530	521124.5	243794.3	224214.7	390334.5		4
11323513	18048425	1665729	661839.8	14991024	1733648	[M+2H-CO	15
10846373	6071137	6054838	6616935	8948011	5767724		335
2750859	3674551	3559876	2317393	2530051	2924790		4
664185.6	891259.4	815128.9	569989.2	631780.5	224876.3		8
3199612	4285434	2578263	2576247	2565524	5336644		2
1138367	1266440	1027253	1249674	1116493	640486.3	[624][M]+	25
7232541	7926919	6663661	12454944	6719495	5964514		337
4111761	6226731	3779953	5761594	8857043	4705229		250
5124806	4556069	9959072	5507153	6452896	1827286		28
1149075	919213	1658394	1608525	987963.9	975093.8		297
1496690	2160883	1015102	2023693	1615497	1971346		7
693593.3	1885435	2763660	513714.9	692215.6	542659		9
511430.6	807909.8	857642.2	640678.4	582006	602368		9
1030166	2318585	1640350	494054.1	1697961	1907636	[3M+3K-H]	14
4285302	3539900	2524968	11170715	109829.6	1989529		224
424365.5	653515.4	377247.3	325722	485337.8	512078.8		4
1324536	345965.3	1538145	1252050	1112977	1396916	[1095][M]2+	7
5562266	7249095	6019867	4393850	5868639	7070082	[80][M]+	4
27061122	38921762	21105625	16969354	18919897	34765444	[891][M]+ [M+Na]+ 4:	101

3235707	4595572	3136770	1591058	2983776	4535968		4
1518239	1665716	115313.6	1140254	2529758	2859519	[2M+K]+ 1'	11
647451.5	975611.8	1165524	670388	508004.9	547302.9		4
2544244	2935861	2269888	1643054	2606518	3167105	[177][M+3]+	4
496813.9	0	291408.2	349102.5	426973	2122954		8
661440.1	1376971	780336.3	743399.9	874890.4	373629.2		9
5938013	7694667	5057067	4118449	8315746	10147314	[470][M+3]+	2
3533992	5277444	1918230	2805890	4834870	7657955		9
850982.5	0	1342133	1712884	338452.7	0		1
591514.3	1076451	1359313	501204.6	635684.9	619176.5	[M+3H-H2O	39
651281.6	1216917	1195249	759004.2	562638.4	407670.1		4
808340.1	1845726	1132932	500165.5	1102611	1811588		4
1161652	1256356	1216831	146399.5	1144511	998077.6		2
5119516	4324886	6014230	4211938	5077525	2595135	[884][M]+	17
635609.9	1269335	1402606	195350.8	835128	1110243		13
2633042	5518647	2140452	2842033	6533166	6218160		2
1027681	2325209	3370210	473535.2	1541098	1250579		9
2508075	3318801	5745118	3982516	2990992	3121399		194
497113.7	856209.6	458119.5	425286.8	399462.6	420841.7		4
565117.8	1394291	1307021	531420.2	698880.8	233112.4	[M+Na+NH	46
430579.2	393371	614726.4	217031.9	509048.3	0		291
281981.2	380337.4	227010.8	296052.7	303121.2	39996.65		30
14890700	17527476	13538922	12343600	16261795	17075409	[1372][M]+	2
25481486	27558748	20448561	19543915	34346801	37749190		2
689072.8	452652.8	719284.9	507894	574497.3	1192065		9
36459540	34711088	12756930	26201761	8514137	52274501		146
1131993	1378781	3219947	848765.1	909499.5	2317034		9
5560618	6876563	5003182	4349263	7056180	6699985		13
5215599	4890102	5029761	6187688	5483135	5707008	[440][M+1]+	221
1911472	1296590	75653.11	1523879	1826411	2894284		9
3550705	1.69E+09	940982.9	1.4E+09	2509398	2050626		4
6089582	3180775	2061627	3728143	3525819	2614276	[729][M+1]3+	1
1136098	1335068	1163201	440184.9	1096486	468448.3		12
3688467	5235824	932145.8	3254827	4850345	7704354		9
1.04E+08	1.49E+08	1.4E+08	77358623	93516059	1.25E+08	[585][M]+	4

2575595	3137859	2466149	1692313	2730444	3210417		4
13365877	1137915	857776.4	9051355	4227748	4991099	[3M+2Na]2	46
6003523	7617968	6458313	4313543	5813584	8081115	[172][M+2]2+	4
3515998	4691170	3303730	3549803	4128004	5166988		9
4374915	6543922	4762904	5932587	3267915	3043534	[879][M+1]3+	20
1294174	2090951	2093254	1361469	2103883	2757790		9
636606.2	1193811	657781.5	428312.1	1253438	574578.9		38
1819530	4682420	3881823	1721530	3489214	3620235	[374][M+1]3+	9
813125	771724.5	608339	731943.6	645953.5	287882.9	[M+2Na+K]	8
19877800	17781238	31854370	16876985	16162484	9082651	[880][M]+ [M+H]+ 48:	23
6083802	1356851	1208548	237797.7	1005460	7492880		4
2413493	2139037	1851799	1655646	2153204	1859578		4
165025.7	298646.3	228060.6	266812.4	230183.1	179868.9	[926][M+1]+	148
742922.8	764648.4	898707	973351.7	733661.5	0		9