

CONTENT:

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Assembly properties

In order to provide properties of the assembly we mapped the paired-end and mate-pair data to the scaffolded contigs using *clc assembly cell* included tools *clc_mapper* and *clc_mapping_info*.

--- paired-end data mapping results ---

General info:

```
Program name      clc_mapper
Program version   5.0.4.161845-201706141024
Program parameters -d Amoebophrya.scaffolds.fa -p fb ss 0 1000 -q -i pe_read_1.fq
pe_read_2.fq -o mapping_PE_data.cas -r ignore
```

Contig files:

```
Amoebophrya.scaffolds.fa [ 2351 / 87690817 ]
```

Read files:

```
pe_read_1.fq interleaved with pe_read_2.fq [ 170278898 / 15255592096 ] <paired>
```

Read info:

Contigs	2351	
Reads	170278898	
Unmapped reads	56535279	33.20 %
Mapped reads	113743619	66.80 %
Multi hit reads	0	0.00 %
Mapped as paired	170278898	100.00 %
Paired	103842354	60.98 %
Multi hit reads	0	0.00 %
Unpaired	66436544	39.02 %
Multi hit reads	0	0.00 %

Paired end info:

Paired reads	103842354	60.98 %
Average distance	374.56	
99.9 % of pairs between	45 - 740	
99.0 % of pairs between	95 - 496	
95.0 % of pairs between	288 - 477	
Unpaired reads	66436544	39.02 %
Both seqs not matching	52798544	79.47 %
One seq not mathing	7473470	11.25 %
Both seqs matching	6164530	9.28 %
Different contigs	5624588	91.24 %
Wrong directions	406034	6.59 %
Too close	0	0.00 %
Too far	133908	2.17 %

Coverage info:

Mapped nucleotides	9978234683	65.41 %
Total sites	87690817	
Average coverage	113.80	

Contig info:

Contig	Sites	Reads	Coverage
1	536766	656960	108.20
2	333242	371572	98.85
3	232214	260403	99.20
4	215172	194829	78.54
5	173237	325142	163.34
6	323084	340456	92.76
7	161939	177226	96.57
8	166220	136487	70.64
9	268366	301334	99.55
10	324791	355671	96.91
11	188472	211928	98.55
12	153463	143123	80.79
13	317780	352727	98.06
14	111583	143464	114.74
15	219690	217663	86.69
16	139012	187563	119.13
17	126789	139531	97.38
18	175422	200392	100.61
19	328227	386504	104.87
20	145226	161278	97.38
21	276268	319499	101.03
22	114060	137400	107.10
23	127126	147279	102.51
24	130106	150519	102.61
25	93494	119590	114.62
26	318924	371798	103.09
27	141906	149545	92.59
28	98310	105644	94.87
29	159638	159946	87.02
30	148439	159745	93.99
31	175880	194366	97.63
32	406243	455501	98.72
33	85953	92267	93.92
34	147081	191677	116.61
35	146507	217444	130.41
36	175363	228678	112.25
37	365549	746403	180.31
38	254965	288592	99.63
39	248039	310487	111.21
40	124202	138628	98.72
41	93992	126730	118.27
42	202498	210491	91.40
43	248522	312696	111.54
44	86540	92932	94.27
45	78758	93817	105.91
46	102561	119439	103.28
47	133237	132698	87.00
48	127890	136004	93.92
49	163722	181146	97.29
50	396561	476925	106.60
51	134357	139508	91.36
52	182822	231691	112.91
53	213816	210861	85.84
54	276801	322295	103.12
55	74863	100740	113.22
56	183255	233177	111.84
57	192449	202066	92.38
58	129925	165640	112.57
59	133584	164337	109.13
60	168647	209669	110.45
61	182461	227620	110.51
62	346043	384818	98.57
63	265770	293598	97.84
64	96992	126058	114.44
65	73262	73217	87.63

66	90729	113297	111.76
67	127927	159639	111.27
68	105516	125344	104.41
69	150794	161769	94.32
70	174420	201044	102.65
71	67344	78258	103.12
72	145008	177529	108.15
73	90217	132467	128.47
74	160745	172267	94.10
75	178948	198529	97.41
76	93794	119449	112.88
77	196790	227898	101.75
78	100835	119521	105.36
79	139123	140499	89.12
80	92482	119588	114.45
81	99116	119062	106.24
82	108039	111611	89.11
83	158276	185499	102.96
84	177955	217015	108.30
85	69886	76904	96.49
86	297654	391413	115.74
87	126844	144320	99.65
88	63556	68385	94.54
89	63357	68153	94.40
90	117765	146685	111.45
91	81292	111175	120.83
92	71870	87669	107.91
93	187125	208454	97.95
94	62206	71175	100.21
95	291740	336809	102.05
96	124252	133120	94.32
97	117782	191815	142.31
98	83445	120455	127.48
99	105258	119581	98.10
100	100525	185616	169.76
101	61657	80890	115.55
102	76090	100378	116.93
103	82173	91207	97.21
104	255748	278958	95.66
105	61205	64396	92.63
106	175660	209096	104.95
107	91271	103835	100.60
108	106677	113567	93.96
109	114018	125521	97.48
110	186986	214965	101.51
111	97670	241743	221.45
112	93580	121629	111.83
113	210404	254369	106.59
114	123031	129923	93.10
115	99744	118510	105.14
116	59843	72636	108.40
117	59815	45880	66.33
118	162979	180280	97.82
119	65061	85821	114.51
120	174079	245097	125.09
121	62461	73100	101.73
122	120364	134088	97.42
123	93542	137439	130.55
124	60248	69506	101.61
125	328515	375337	100.37
126	137348	183840	119.89
127	81168	97475	105.91
128	77395	88590	100.62
129	127494	150072	104.21
130	72353	89113	109.73
131	62800	72550	102.39
132	58079	67356	102.22
133	58020	52568	77.99

134	57910	46536	69.70
135	75714	92129	107.74
136	99799	113850	100.69
137	177394	217024	108.98
138	98239	136085	121.54
139	112749	139934	110.35
140	129006	140919	95.62
141	286137	327215	100.15
142	321698	403514	110.90
143	79722	94312	105.22
144	71343	69735	85.03
145	56565	61748	95.75
146	193525	262313	119.05
147	177183	202515	101.57
148	56217	82727	112.97
149	266885	316791	104.77
150	176950	211148	104.36
151	179797	225039	110.92
152	116329	128771	97.47
153	121041	190717	120.88
154	114202	135985	105.72
155	192685	222421	101.44
156	107233	116846	96.61
157	65188	71856	97.07
158	56708	62556	97.11
159	118256	126628	94.90
160	165689	179363	94.99
161	168051	202983	106.73
162	74738	95187	112.05
163	70798	47870	56.97
164	74257	81007	96.15
165	110181	125444	99.52
166	148193	154858	91.03
167	53643	76262	125.29
168	123844	172761	108.42
169	85289	99471	99.33
170	143356	162741	100.24
171	85647	110877	114.34
172	70511	70437	87.91
173	72271	83875	102.21
174	56390	65857	103.98
175	97672	126569	114.38
176	65100	65083	87.71
177	52223	60357	102.68
178	52176	52737	88.58
179	82011	88175	94.52
180	124833	172424	120.57
181	144501	161168	98.48
182	63359	69188	96.19
183	116878	126824	95.83
184	51663	61447	105.64
185	51571	65179	112.98
186	133269	160951	106.87
187	157610	382020	214.27
188	109914	113466	90.70
189	201745	225921	99.18
190	97137	120947	111.05
191	139242	146650	92.41
192	54400	75601	122.89
193	88604	120139	121.64
194	118796	116115	85.61
195	50511	56973	97.82
196	112378	133696	105.46
197	258686	327819	111.39
198	50377	58674	103.25
199	137194	130955	82.99
200	142665	160911	99.44
201	73540	89707	108.12

202	50102	51577	90.57
203	123289	112705	79.74
204	53771	64738	106.73
205	57946	71355	109.01
206	54733	56766	91.53
207	102377	126443	109.60
208	141580	178089	111.31
209	97348	126103	115.44
210	62727	79679	112.24
211	211517	222124	91.46
212	115170	137302	105.56
213	91868	129236	121.61
214	51886	71043	121.44
215	171261	246937	125.79
216	68838	45111	54.65
217	51735	56112	95.26
218	99890	114882	100.24
219	49653	60161	108.14
220	62271	66737	94.55
221	47585	21559	34.70
222	154508	189063	108.46
223	139746	135505	83.86
224	63906	69808	96.27
225	137587	165780	105.30
226	127311	136387	94.58
227	86592	99237	101.64
228	211282	264968	110.64
229	140265	140140	88.11
230	65568	72303	96.45
231	196863	230192	103.27
232	329788	362068	96.45
233	46604	53463	102.12
234	119624	146144	107.26
235	54906	64921	104.19
236	50122	48819	84.40
237	78196	86464	96.74
238	101967	118912	103.29
239	115663	117587	89.37
240	46012	53526	103.16
241	150960	169201	99.02
242	100207	105549	92.85
243	76249	85770	99.53
244	49749	63629	107.70
245	55046	67395	108.61
246	137786	155955	99.60
247	75168	88198	103.93
248	131524	241326	160.24
249	88209	101128	100.85
250	151971	166110	96.21
251	124822	147699	104.70
252	121895	142012	103.23
253	172711	211315	108.47
254	85809	97378	99.61
255	58403	83618	124.91
256	53382	62886	103.88
257	209020	232163	98.03
258	83856	89860	94.53
259	113454	124324	97.01
260	68815	67395	86.26
261	70656	75012	93.73
262	57435	66846	100.64
263	67216	74670	98.18
264	124923	145791	102.75
265	91369	102305	99.28
266	44102	43781	86.91
267	83101	98885	104.62
268	148703	165626	98.02
269	43954	52483	104.14

270	318215	342522	95.05
271	100775	113782	100.08
272	59960	73733	109.38
273	98991	103200	91.68
274	103577	124943	105.78
275	172884	189199	96.32
276	43204	47035	97.07
277	42963	54231	112.20
278	42954	45055	92.71
279	188966	214214	99.54
280	84456	102993	108.44
281	64541	74440	101.26
282	42542	49787	103.64
283	82439	95466	103.05
284	108086	136742	113.00
285	44040	51711	100.83
286	126040	136171	94.60
287	63286	74916	104.31
288	129703	145378	98.51
289	72757	92992	112.55
290	56290	74605	115.02
291	117642	147325	110.98
292	178755	226108	112.71
293	45337	50755	98.26
294	44345	62795	125.97
295	174154	196852	99.52
296	46186	39585	73.57
297	41481	50679	108.14
298	51642	42324	71.19
299	134107	183286	121.88
300	80517	86994	95.75
301	45915	51021	96.18
302	69887	72413	90.91
303	122725	148982	107.58
304	72903	89297	109.24
305	46298	50846	96.27
306	65908	72943	97.91
307	151821	167513	97.33
308	117991	170248	128.46
309	133779	320734	212.39
310	41964	44015	92.12
311	61283	78627	114.01
312	76577	91300	106.14
313	48381	60727	111.83
314	40098	38819	85.13
315	53489	58566	96.76
316	71093	98226	122.95
317	40035	45597	100.62
318	39976	45035	99.59
319	49637	57375	102.27
320	67401	79152	103.47
321	44078	73425	144.85
322	101132	116147	101.40
323	42605	51221	105.04
324	56801	70912	112.16
325	86129	112111	115.27
326	39384	51882	117.95
327	44312	52562	104.75
328	62370	90819	129.08
329	74272	67334	79.23
330	164407	179343	96.00
331	57239	52460	76.55
332	216320	242850	99.27
333	80337	77291	83.80
334	38960	36179	81.44
335	173153	192757	98.13
336	82212	200025	213.59
337	88936	113718	111.59

338	83644	151645	162.15
339	69998	90006	114.15
340	72647	94318	115.56
341	99001	94621	82.85
342	38507	36602	83.19
343	100275	103864	90.94
344	225593	272380	107.12
345	82633	100621	106.61
346	127236	161470	113.06
347	41380	41838	89.23
348	81832	121630	127.78
349	110855	130292	102.92
350	67308	78281	103.38
351	37712	46402	109.03
352	83672	107643	113.13
353	144676	149963	89.93
354	78059	83286	94.43
355	44799	42817	83.84
356	112687	154683	122.50
357	187470	232567	109.36
358	44497	69066	138.71
359	51083	62552	108.66
360	46768	52861	97.32
361	68819	62127	77.69
362	45689	51861	98.06
363	52746	63836	106.85
364	82618	90083	95.91
365	114418	128857	99.85
366	37022	56991	134.45
367	64089	70792	95.93
368	40498	52300	115.82
369	69696	80882	102.02
370	95533	95721	87.66
371	133986	148148	96.91
372	77937	88899	99.16
373	40859	44886	96.94
374	80959	100022	110.07
375	82457	96768	104.01
376	36478	33747	81.08
377	105202	130981	111.22
378	67587	71643	93.63
379	176433	233966	116.99
380	108845	135174	109.25
381	49028	55811	99.94
382	81605	88684	96.79
383	55021	59443	94.98
384	106921	138307	114.72
385	42973	55060	113.51
386	43476	45779	90.69
387	63759	80157	110.55
388	36082	38546	94.02
389	54038	60947	99.19
390	53341	72737	120.06
391	85227	98278	101.62
392	77618	96471	110.31
393	160693	167125	91.21
394	69156	72519	91.76
395	35395	40606	94.95
396	35377	35748	88.96
397	36638	47244	115.70
398	85464	102637	104.76
399	169219	202824	106.27
400	65647	73598	97.50
401	177949	220057	109.63
402	41991	52790	107.27
403	99656	123891	110.44
404	162428	190111	102.73
405	59717	60318	88.53

406	169324	225985	116.77
407	54454	53972	86.10
408	47307	49998	93.35
409	63173	73352	103.31
410	48605	51395	92.01
411	56283	74465	117.77
412	34679	27208	67.15
413	43205	50127	103.04
414	45271	53319	105.12
415	109598	126094	101.83
416	56894	69185	107.06
417	34068	40945	106.40
418	40331	49138	107.33
419	125672	146063	102.45
420	72255	86622	105.57
421	79089	90759	101.76
422	53665	83076	132.22
423	33804	41328	107.95
424	83383	98903	104.70
425	126078	162397	114.96
426	83970	90781	95.70
427	33700	33320	84.00
428	65844	73768	99.09
429	63753	79900	111.27
430	52786	62857	106.36
431	70437	70873	86.65
432	50892	70785	122.84
433	76787	105362	121.83
434	33133	42518	114.35
435	244044	291568	105.51
436	101144	130836	114.97
437	66223	80215	105.82
438	32963	35096	93.50
439	32954	34288	90.70
440	36101	42879	101.62
441	86961	87361	88.62
442	100763	132460	116.52
443	72677	97249	111.85
444	32711	34606	93.44
445	230577	284978	108.80
446	73411	92305	110.66
447	32685	34613	90.43
448	86854	107419	109.67
449	56099	76883	121.06
450	37577	67270	157.34
451	32514	88112	239.13
452	96599	107042	97.75
453	55569	66737	106.52
454	82611	93968	99.72
455	71709	80762	98.62
456	44428	54679	109.08
457	252597	315158	110.96
458	67511	94217	117.50
459	38059	36749	84.95
460	44403	37913	73.18
461	53176	48813	79.47
462	52775	58161	95.81
463	77014	92036	104.42
464	35530	47788	118.55
465	35079	45129	114.53
466	83470	92604	96.84
467	84959	99553	102.81
468	33099	35867	95.10
469	132717	147649	95.85
470	85034	108917	113.20
471	44190	65342	131.59
472	118023	167722	125.06
473	35293	46222	116.33

474	58151	59236	89.37
475	45566	64725	121.51
476	31337	29661	83.11
477	75465	82034	95.51
478	41096	46967	101.31
479	76086	112348	131.19
480	122444	147318	106.15
481	83544	87954	92.37
482	31098	39164	111.78
483	31032	35392	100.18
484	96594	112646	102.07
485	95407	98649	91.00
486	48345	67240	120.53
487	38465	40925	93.03
488	72203	91987	111.56
489	34732	42314	105.41
490	54455	55437	89.60
491	30459	48021	139.55
492	30456	35735	104.68
493	35878	52048	128.20
494	102492	125146	105.40
495	45396	53068	102.94
496	53610	73951	120.71
497	55468	62377	98.49
498	49455	50824	90.45
499	109586	125827	101.76
500	68315	74781	95.90
501	34906	39709	98.07
502	64811	80503	110.65
503	29928	46501	138.28
504	43545	43766	87.50
505	29827	29234	85.50
506	55977	67233	106.11
507	67207	90309	118.87
508	29781	40660	122.64
509	46433	55681	105.22
510	39984	55780	124.82
511	47340	51673	95.45
512	62467	73029	102.93
513	94321	114907	108.75
514	69021	80094	101.69
515	72553	76648	91.46
516	41218	33939	70.76
517	38053	34499	77.82
518	61688	83692	120.42
519	58929	55999	81.92
520	31744	39492	110.37
521	62780	85394	121.44
522	63568	74534	103.39
523	29352	35887	109.31
524	103800	135507	113.48
525	97528	113915	101.83
526	29226	29937	90.45
527	80786	96537	105.61
528	48858	64564	117.53
529	42178	57076	111.85
530	67295	74843	96.63
531	38666	35569	79.21
532	66833	75679	100.74
533	29059	36018	109.49
534	35869	38620	94.97
535	53830	67756	109.97
536	90583	110989	106.73
537	28937	29239	88.29
538	57359	70248	107.78
539	37127	36760	86.48
540	28801	39001	119.05
541	55488	70938	113.76

542	49537	54632	97.36
543	28719	32226	98.97
544	57684	53984	81.09
545	50549	62358	107.57
546	34937	48146	123.55
547	69723	93050	120.00
548	86943	99271	98.18
549	28561	30591	93.52
550	34155	42061	109.55
551	35000	42690	107.03
552	44322	45622	89.86
553	50590	61819	104.49
554	40286	44088	96.64
555	38733	63557	130.81
556	63685	74382	101.09
557	59060	54699	78.85
558	28162	38890	123.87
559	87827	105766	104.53
560	55335	78862	122.87
561	27853	32821	103.89
562	48266	56986	105.52
563	27708	30533	93.87
564	27704	48670	155.35
565	31752	77945	211.00
566	27695	35582	115.10
567	41583	82984	169.81
568	61435	79401	112.72
569	49424	60022	106.12
570	31449	46447	132.41
571	71780	94371	113.06
572	27508	40991	133.04
573	40744	49195	105.72
574	43071	49211	100.40
575	27427	29762	95.52
576	64249	74414	102.21
577	59568	75399	109.51
578	80588	92317	101.58
579	55155	66566	106.27
580	47900	52292	95.40
581	27269	30013	97.90
582	42609	50393	105.78
583	31452	34960	97.03
584	60886	75004	108.31
585	52650	60103	101.21
586	27119	36352	118.84
587	72883	92161	108.57
588	27065	31998	105.13
589	38387	46087	106.35
590	41860	79843	161.94
591	78458	87611	98.55
592	69280	110865	141.37
593	107412	125502	103.62
594	152607	177033	100.77
595	61674	82410	119.42
596	26854	29667	97.06
597	26830	33612	109.45
598	57919	70340	106.50
599	70638	79468	98.08
600	38815	39641	88.88
601	67620	76244	99.16
602	26733	31719	105.00
603	26698	36130	116.12
604	26679	30192	99.50
605	74591	86004	99.95
606	30545	47081	134.67
607	35783	56268	139.10
608	34641	45336	117.02
609	76271	89337	104.25

610	26385	31801	107.51
611	90191	107029	103.53
612	36741	37554	89.86
613	26292	27329	91.89
614	125039	137348	96.81
615	46851	216100	436.42
616	36061	42568	102.34
617	30165	38311	112.68
618	26139	31164	105.57
619	92742	106851	102.18
620	45122	52846	103.43
621	115829	140338	107.59
622	81220	107010	113.84
623	47623	55706	103.73
624	26001	32896	110.73
625	84540	110006	113.12
626	31342	63802	174.66
627	37615	35601	82.15
628	35810	50849	124.91
629	57999	73786	105.89
630	25862	35530	123.26
631	25813	31298	107.46
632	35339	28217	69.07
633	88638	97004	95.81
634	36778	48237	113.99
635	25706	28825	99.21
636	31101	37861	105.35
637	59115	72531	108.51
638	25536	37248	128.56
639	71972	90601	112.27
640	42057	50556	106.44
641	49622	63605	113.56
642	46244	50603	94.98
643	25462	37805	130.14
644	41962	47050	99.89
645	82392	98517	105.12
646	75430	113417	132.51
647	27816	36582	115.11
648	25242	27585	97.11
649	74836	79923	93.70
650	50379	69733	117.49
651	125823	132649	92.65
652	38945	51683	115.73
653	107907	120345	98.05
654	25099	39705	140.88
655	59823	69976	102.67
656	37018	47689	114.96
657	86171	98200	100.42
658	24914	26447	90.25
659	102028	128320	111.50
660	86658	97604	98.67
661	24863	32085	114.23
662	182458	231477	113.22
663	60369	77169	112.69
664	33944	36930	95.34
665	24807	26537	92.02
666	64062	71579	98.41
667	83031	92265	98.59
668	32315	32464	86.75
669	114507	126962	95.82
670	33936	42574	111.79
671	29212	33967	101.61
672	40825	48008	104.33
673	47551	58538	109.35
674	24424	26691	95.56
675	42427	56713	113.60
676	58854	57635	85.70
677	68345	72806	94.40

678	116201	139927	106.60
679	90141	115222	112.73
680	28235	28124	87.31
681	24247	28287	98.27
682	59684	100386	148.83
683	70261	83771	105.20
684	25744	34195	118.49
685	46609	56765	108.49
686	71661	97019	119.29
687	29445	34469	103.11
688	118870	114911	84.36
689	23959	42857	158.58
690	27297	30067	96.94
691	60973	64187	93.10
692	37639	44177	103.16
693	89831	105997	104.26
694	117475	127007	95.02
695	41457	73355	154.21
696	68572	81984	103.31
697	50324	66659	119.19
698	68995	75323	95.33
699	51804	59424	101.35
700	38055	41933	96.33
701	102624	123162	105.55
702	31100	37291	105.43
703	46958	54901	103.82
704	52318	64501	109.44
705	41266	45936	97.72
706	23380	28353	103.95
707	23345	24840	91.19
708	33392	40081	106.27
709	63985	76822	106.60
710	67492	71660	92.83
711	23218	27484	105.58
712	57965	67153	103.26
713	62368	81010	115.16
714	32250	31282	85.22
715	34723	48381	125.58
716	47075	66404	121.78
717	23003	28183	108.81
718	62328	81576	116.82
719	24230	32682	116.08
720	85480	128726	131.82
721	53535	66112	106.72
722	106868	130350	106.72
723	22879	22984	87.01
724	32074	29201	77.82
725	59273	70746	105.02
726	51620	60525	102.94
727	67161	80685	105.29
728	38219	49487	115.86
729	32423	43504	120.69
730	47424	62981	119.16
731	46648	60257	115.33
732	40985	44853	95.30
733	33947	41176	104.35
734	29849	32809	97.50
735	39423	56055	127.28
736	22545	50736	170.74
737	34241	41180	104.56
738	46137	50376	96.30
739	33997	32591	81.59
740	45019	58504	114.28
741	47609	65901	120.92
742	43385	64843	133.05
743	106990	125690	103.65
744	77290	81234	92.47
745	30974	44493	127.97

746	55237	109457	169.36
747	22289	27566	109.82
748	22262	28430	114.07
749	22248	24248	88.22
750	57816	70141	104.53
751	59180	94748	137.42
752	90238	117863	115.87
753	22136	24786	99.04
754	104743	114254	96.25
755	62103	73831	105.68
756	24522	29887	108.51
757	26070	35307	120.77
758	84797	102924	107.18
759	45976	56167	106.95
760	25680	30241	103.53
761	26405	28557	95.60
762	41295	54129	116.35
763	21758	25788	104.82
764	21748	23836	97.10
765	90478	109384	106.89
766	33393	48993	128.41
767	46505	51451	98.08
768	23012	22826	86.53
769	107338	118110	97.48
770	44249	53423	106.73
771	86812	105473	106.01
772	38191	47802	112.25
773	21432	60793	250.78
774	105745	137851	114.41
775	21238	51033	181.29
776	25948	32657	111.20
777	24521	31257	113.58
778	82984	92835	98.16
779	21193	34346	145.29
780	21089	21346	88.98
781	27131	34851	103.38
782	28109	31430	99.35
783	21038	23335	98.12
784	21021	23239	97.97
785	72056	87896	107.55
786	34189	76609	193.95
787	104700	115971	94.77
788	41889	61858	131.82
789	34407	43949	112.91
790	20478	20409	87.35
791	45411	63617	123.77
792	45525	65990	121.46
793	48193	55512	101.97
794	86738	86778	86.56
795	33311	40052	106.75
796	34593	45108	117.26
797	60186	71566	106.12
798	22801	29047	104.07
799	46592	73850	137.55
800	56327	67436	104.65
801	131917	152191	102.05
802	33939	44874	117.99
803	23385	25484	91.46
804	20186	22660	100.56
805	49507	84416	146.58
806	33779	49509	126.52
807	25451	21530	72.89
808	45616	48661	92.64
809	37530	43159	99.59
810	19852	22604	96.84
811	42967	59100	120.94
812	19819	12884	50.24
813	44889	61685	121.76

814	111293	132273	102.52
815	24436	21076	75.18
816	19780	25400	110.98
817	24394	25758	93.11
818	21313	20639	84.88
819	54158	74994	121.23
820	56235	73825	109.32
821	19648	30608	140.72
822	88098	92869	92.25
823	42000	46880	97.86
824	36087	50786	123.68
825	41929	53075	112.00
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827	19531	22936	103.26
828	23012	22776	86.17
829	118004	140577	105.47
830	36648	78326	190.25
831	47757	50470	92.61
832	25691	35547	120.99
833	41481	50926	107.07
834	37544	49241	118.18
835	40701	43832	94.02
836	19258	20020	90.64
837	19219	33739	149.06
838	19193	29968	139.86
839	73235	75845	90.94
840	27586	19616	60.87
841	19103	25603	119.74
842	69724	62454	77.93
843	35117	39170	99.07
844	20326	30193	132.64
845	51747	76076	129.55
846	24467	28919	98.98
847	33810	41582	110.22
848	18821	21558	98.35
849	62708	63124	86.69
850	40347	38940	83.46
851	31887	38903	106.95
852	20882	31927	137.16
853	27857	33791	108.60
854	18657	32033	154.99
855	125850	164585	115.36
856	57952	73088	112.01
857	18596	21906	102.38
858	18545	19433	91.47
859	18503	25272	120.70
860	20177	31821	133.40
861	67627	86757	113.36
862	36455	46458	113.01
863	76602	91265	105.40
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865	18382	19172	90.93
866	46896	56162	106.72
867	33048	34453	92.19
868	26529	28845	93.88
869	19527	24655	111.71
870	27617	45742	145.66
871	30808	41737	121.20
872	19705	27942	123.71
873	18216	19588	95.01
874	30097	34189	100.79
875	23422	29403	112.14
876	18190	25089	124.55
877	20679	20784	88.94
878	18181	23955	118.23
879	47946	55252	101.49
880	39852	49450	110.58
881	17938	49571	244.24

882	51665	70908	121.45
883	37857	53520	123.09
884	24914	33863	118.41
885	17817	23297	116.96
886	27149	27241	88.16
887	17811	19911	98.98
888	35172	34054	84.33
889	36842	47465	112.52
890	17802	32954	164.07
891	28629	33310	103.85
892	32327	44100	119.07
893	44810	75044	138.50
894	35192	44860	113.00
895	41820	45173	94.90
896	17612	21630	108.39
897	50619	63942	107.42
898	30808	35025	98.34
899	21077	24647	101.78
900	17577	12635	54.62
901	17556	19010	96.55
902	33427	39080	103.73
903	17533	12560	55.95
904	17533	22055	111.80
905	49366	63322	104.92
906	72863	79361	94.55
907	37288	33110	75.51
908	17321	16273	81.30
909	44251	63558	122.25
910	20787	26776	114.20
911	27210	29804	96.14
912	22842	27120	105.86
913	28273	38425	121.04
914	59972	98498	141.76
915	20581	29829	125.14
916	27678	39269	124.55
917	31762	38045	104.76
918	28192	50025	157.97
919	17072	16300	83.36
920	54551	54773	88.61
921	27730	56720	178.98
922	20262	27565	120.33
923	37051	43703	105.36
924	16966	16154	82.88
925	16942	18939	97.91
926	33793	39321	100.00
927	38208	44740	102.67
928	65005	87613	118.63
929	24709	29927	105.69
930	40890	53138	115.69
931	24757	38190	134.19
932	16673	20958	111.92
933	16649	14823	77.03
934	56983	58892	90.35
935	28773	34451	102.23
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937	28911	32122	93.48
938	21306	45364	187.98
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940	22116	25535	101.99
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944	18027	62699	307.79
945	16378	24455	124.86
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947	51110	51368	86.96
948	16327	98239	521.97
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953	30396	40259	117.77
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955	37864	46730	108.89
956	25069	30356	106.88
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958	36171	37251	89.61
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960	21076	24859	103.55
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962	63448	88572	123.75
963	95910	116752	106.46
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967	19234	21498	98.22
968	19716	27511	125.21
969	32838	43762	115.43
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974	27625	35364	113.05
975	15754	42502	231.70
976	15724	26973	152.58
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980	15636	24826	136.67
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985	43505	44109	87.99
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987	53247	72083	120.50
988	15473	21694	126.63
989	18146	22531	109.82
990	25307	29741	101.12
991	15400	15445	87.52
992	29243	33306	97.51
993	15342	20673	96.89
994	33791	33050	84.63
995	15322	9952	51.75
996	16471	17756	94.26
997	15287	13211	74.99
998	27517	34983	112.57
999	15277	37306	210.17
1000	45122	71619	139.23
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1002	15221	31740	184.41
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1004	18510	20050	95.80
1005	19565	22116	95.11
1006	20301	31909	136.04
1007	48529	62139	111.43
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1010	15120	22170	131.75
1011	37701	61589	145.02
1012	28580	33369	102.75
1013	67615	69585	90.97
1014	15082	16769	97.94
1015	17101	32861	171.17
1016	47132	55375	100.67
1017	40547	51640	113.19

1018	45323	63690	124.94
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1080	13811	16338	105.73
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1084	17405	18117	90.59
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1089	27371	34626	113.40
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1107	25236	26880	94.34
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1109	23053	23419	87.31
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1118	17539	19838	97.30
1119	55633	66176	105.16
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1122	12966	16917	114.19
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1125	35572	40540	97.06
1126	18941	28272	131.92
1127	12873	30934	212.65
1128	21111	25216	105.41
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1130	12738	12726	86.34
1131	12719	16327	115.27
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1141	26722	31988	106.95
1142	12548	16556	113.57
1143	12537	17368	121.76
1144	12529	20672	145.67
1145	12516	26805	189.19
1146	12511	12383	87.08
1147	14513	16121	98.55
1148	18713	36351	170.75
1149	12476	18097	120.96
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1152	56779	77220	120.11
1153	24452	31050	113.02

1154	19734	19952	88.95
1155	15557	15992	90.01
1156	15194	17376	98.92
1157	15553	38882	217.54
1158	13880	26309	173.81
1159	12365	10450	72.44
1160	63277	50195	68.95
1161	12312	12499	88.76
1162	28596	88353	256.51
1163	53820	73592	120.87
1164	12270	15943	116.49
1165	12268	26726	193.62
1166	12246	11853	84.43
1167	18827	40040	167.19
1168	31992	37060	101.12
1169	31804	38042	105.90
1170	23920	33287	125.20
1171	23861	28978	106.83
1172	22957	21486	81.83
1173	12129	17137	128.18
1174	12097	10861	76.34
1175	25566	31617	108.06
1176	12060	28087	207.62
1177	30542	34805	102.20
1178	12029	14948	107.87
1179	12019	16525	121.96
1180	12012	12444	90.93
1181	12010	7665	54.72
1182	37938	40731	90.73
1183	11932	30651	228.20
1184	33542	42344	110.60
1185	21609	32610	131.58
1186	33498	43611	116.12
1187	17743	16892	83.36
1188	14460	12738	76.01
1189	11854	21719	164.05
1190	11851	16431	121.88
1191	13650	13238	83.57
1192	32901	38754	104.32
1193	18783	21929	100.62
1194	11779	18119	137.32
1195	21789	27623	110.82
1196	20760	15874	65.68
1197	18629	30726	145.83
1198	11698	10402	77.00
1199	18900	32769	152.59
1200	21313	33131	137.80
1201	13374	18190	118.90
1202	11639	25100	188.53
1203	16235	15443	84.04
1204	16745	18749	98.92
1205	11581	15410	115.77
1206	11554	15816	123.31
1207	52012	52153	86.66
1208	25564	27841	95.44
1209	11519	19203	130.07
1210	27492	38013	122.69
1211	11495	13691	106.29
1212	14752	12940	75.12
1213	32646	40536	110.05
1214	11405	16648	129.21
1215	11359	21984	148.79
1216	47817	55104	102.43
1217	17792	19092	92.30
1218	11296	15977	115.88
1219	14979	15058	85.56
1220	17756	17376	86.52
1221	11242	21579	165.73

1222	13558	16878	105.79
1223	11141	28779	185.37
1224	17266	22627	117.43
1225	15169	50170	286.82
1226	52077	65882	110.34
1227	20693	29455	123.60
1228	13861	16705	105.33
1229	26683	39252	128.10
1230	17855	18444	88.77
1231	15354	25466	142.42
1232	12928	17207	117.05
1233	11039	17934	142.34
1234	43912	78212	142.36
1235	17602	13284	65.46
1236	11004	11776	94.25
1237	16669	18516	98.85
1238	20297	28751	122.98
1239	12514	29604	195.66
1240	28293	32481	100.38
1241	39606	51446	113.35
1242	10899	10503	85.12
1243	10867	15872	124.51
1244	16740	19115	99.05
1245	10856	16279	125.40
1246	10840	16808	140.90
1247	10802	25603	204.82
1248	10782	11514	92.48
1249	10772	52263	398.86
1250	10749	27704	222.93
1251	10738	13679	109.14
1252	12959	18395	126.31
1253	10702	10047	81.58
1254	10701	15551	129.79
1255	12557	10717	72.05
1256	31820	79565	218.66
1257	10623	10613	87.42
1258	18285	147588	710.54
1259	10583	18344	159.05
1260	10539	14083	118.45
1261	10535	30648	253.93
1262	30906	34829	99.76
1263	10474	8320	68.56
1264	21723	22416	90.25
1265	13674	20995	138.37
1266	10424	12692	106.77
1267	27354	38741	121.58
1268	26981	30407	99.22
1269	22087	26544	104.93
1270	20308	24932	109.11
1271	10346	20046	170.93
1272	32895	34751	91.72
1273	10306	37181	298.81
1274	13214	14202	93.66
1275	23552	33503	125.64
1276	10257	22786	197.93
1277	12583	10938	75.77
1278	10246	39568	333.98
1279	10236	11897	101.99
1280	13873	26671	167.25
1281	33531	69094	178.06
1282	39456	52451	108.46
1283	10160	10757	94.33
1284	10155	16923	117.66
1285	24565	22110	77.66
1286	10136	13811	121.96
1287	15718	20150	112.50
1288	12930	46370	330.91
1289	10087	12168	106.83

1290	15829	12529	67.91
1291	22848	27429	104.74
1292	15235	171808	971.18
1293	9994	12640	104.61
1294	9943	15119	137.53
1295	9940	11531	101.81
1296	30428	44878	127.82
1297	28124	31283	96.88
1298	20562	25947	107.30
1299	12384	13687	96.31
1300	9875	11734	105.24
1301	9843	37892	335.99
1302	18185	23101	112.63
1303	33273	36662	97.24
1304	9805	13414	123.40
1305	23116	35744	134.46
1306	9781	33558	251.00
1307	26495	26924	88.89
1308	9769	13616	123.93
1309	14992	13458	77.43
1310	21956	27199	109.39
1311	14562	17269	101.08
1312	20127	24275	106.38
1313	9678	13454	118.23
1314	9668	17228	158.68
1315	9631	8180	71.43
1316	9631	9759	87.86
1317	9624	14494	131.36
1318	9621	35252	314.60
1319	11297	13244	101.47
1320	13424	16772	107.59
1321	26561	27444	91.11
1322	9579	9649	88.69
1323	9519	17001	158.36
1324	18145	44077	209.41
1325	9514	12490	117.60
1326	9496	10788	100.84
1327	9473	15553	146.04
1328	9456	21750	193.40
1329	9446	12663	116.37
1330	17062	23501	120.18
1331	19082	26408	120.46
1332	18250	31391	145.12
1333	12258	13708	94.31
1334	9376	14929	136.44
1335	9351	19368	184.13
1336	14164	16053	98.53
1337	17057	18659	95.77
1338	19255	22097	103.28
1339	20729	21993	93.96
1340	11463	18827	137.34
1341	14354	18332	113.80
1342	35348	47881	120.92
1343	21154	23582	98.04
1344	18172	20330	99.26
1345	9250	21983	203.15
1346	9232	28883	260.37
1347	22525	30060	119.25
1348	15136	24089	130.57
1349	22915	35680	135.69
1350	14304	36480	224.21
1351	15263	17896	104.19
1352	11780	18017	129.44
1353	9983	13973	123.93
1354	23189	28071	104.68
1355	16560	20008	105.17
1356	15034	21142	124.94
1357	9087	18549	178.45

1358	19624	22250	99.24
1359	19296	25229	116.78
1360	13143	11975	79.50
1361	9024	13921	137.34
1362	16247	13090	70.03
1363	8976	12707	128.03
1364	12052	14164	104.15
1365	12726	24954	170.81
1366	16356	19990	105.73
1367	8886	24573	242.37
1368	11962	16982	126.83
1369	8856	9459	94.11
1370	8837	26001	249.77
1371	8822	5062	45.49
1372	8821	15826	153.50
1373	22580	22792	87.58
1374	18151	23204	112.85
1375	8759	15518	155.30
1376	8756	12128	125.42
1377	8732	3956	37.53
1378	19490	25821	117.54
1379	14804	19844	118.95
1380	8694	54903	509.64
1381	8688	16078	167.48
1382	8673	9986	101.31
1383	17256	46257	229.03
1384	8581	11699	122.09
1385	8549	10590	110.17
1386	8539	11641	122.65
1387	8511	19082	196.21
1388	20310	24301	106.43
1389	11740	14738	109.86
1390	8501	47086	376.11
1391	8481	10726	111.68
1392	14214	14691	90.42
1393	8468	6856	57.18
1394	16089	23424	129.24
1395	11429	10975	81.01
1396	11302	13669	104.52
1397	13966	11635	68.31
1398	8399	18516	185.04
1399	11892	18601	135.98
1400	8364	10101	106.28
1401	8359	10999	115.53
1402	8296	9462	102.14
1403	8268	8555	89.73
1404	8249	9411	98.59
1405	20615	19825	85.12
1406	8248	14359	156.42
1407	8234	9756	103.97
1408	8226	14608	152.64
1409	8223	17992	191.95
1410	14838	33295	184.79
1411	12776	19260	134.60
1412	8167	10855	118.86
1413	16273	15763	83.76
1414	8162	10408	111.67
1415	13869	14594	91.32
1416	8160	10440	109.88
1417	8152	10217	109.09
1418	23065	31068	117.81
1419	8143	7477	73.97
1420	14417	41841	251.18
1421	8138	39254	433.27
1422	16095	15305	81.82
1423	8123	10147	108.90
1424	18917	27291	126.88
1425	8039	16583	182.71

1426	8014	10278	114.87
1427	8007	11897	132.50
1428	10229	11119	95.13
1429	7970	12200	128.97
1430	12738	15892	110.35
1431	7947	11565	125.06
1432	7947	9512	106.77
1433	7945	5851	61.09
1434	23746	25809	95.11
1435	25555	32500	108.10
1436	25179	25174	85.45
1437	20633	28766	123.66
1438	7785	9363	106.86
1439	13450	15481	99.52
1440	7754	9979	115.21
1441	7753	8048	91.30
1442	7737	3289	35.92
1443	13457	31170	199.09
1444	7718	2955	33.96
1445	17908	34598	163.38
1446	13262	11333	74.84
1447	7675	16269	186.04
1448	7664	12001	141.47
1449	10310	7845	64.06
1450	14312	17903	110.01
1451	13857	15309	98.09
1452	7623	21253	249.07
1453	9310	9578	90.95
1454	7577	13759	149.66
1455	7568	8439	98.89
1456	15131	42484	239.27
1457	22365	32930	127.56
1458	15214	52480	278.70
1459	7542	8954	104.10
1460	7509	20260	234.06
1461	14570	10801	63.60
1462	10552	11369	94.76
1463	7490	9091	105.08
1464	7480	7415	86.48
1465	7476	15874	185.48
1466	7470	14675	170.05
1467	7457	6504	77.42
1468	12782	13455	90.04
1469	14549	25432	152.20
1470	7415	4776	54.13
1471	22950	20273	72.35
1472	20766	36040	152.93
1473	7391	3666632	45605.90
1474	7368	9790	107.12
1475	7368	20835	257.11
1476	10149	12413	109.04
1477	13231	33490	209.32
1478	12238	31561	225.30
1479	7295	8378	97.46
1480	9361	10985	97.29
1481	20775	33653	141.47
1482	14451	16016	96.56
1483	7253	7973	97.48
1484	7251	18515	182.96
1485	7214	16166	177.88
1486	23377	34231	121.72
1487	7203	15980	197.54
1488	11128	24303	191.47
1489	7201	15725	184.10
1490	7184	10536	124.52
1491	11000	22234	178.88
1492	7109	3892	44.97
1493	7089	19036	232.36

1494	7077	5737	65.75
1495	7064	19834	244.32
1496	23304	49594	186.08
1497	16567	22380	112.70
1498	7026	3031	34.89
1499	12392	21134	145.22
1500	7020	11103	138.79
1501	7009	7905	96.93
1502	10702	28032	222.56
1503	22234	25394	101.15
1504	13078	13742	93.29
1505	18268	41484	194.91
1506	16224	18968	103.30
1507	9891	9991	87.08
1508	6851	6407	80.75
1509	8503	10078	106.47
1510	8569	12190	119.61
1511	6830	3582	46.97
1512	15519	18581	99.30
1513	6800	15443	181.30
1514	8093	10728	117.56
1515	9002	11631	111.31
1516	11893	18159	139.15
1517	8056	5999	62.31
1518	6717	39158	511.68
1519	6691	7913	104.51
1520	6647	4946	62.29
1521	6627	5623	72.40
1522	6613	5249	68.32
1523	6607	10467	143.54
1524	6605	9830	131.34
1525	6570	9757	132.89
1526	11897	18590	139.25
1527	6567	16816	229.79
1528	6556	10922	151.58
1529	14253	13926	84.47
1530	6535	21043	281.98
1531	6531	6461	88.10
1532	6530	3042	43.07
1533	18862	26629	121.63
1534	9969	13437	120.03
1535	6511	7811	106.43
1536	11802	63129	488.36
1537	6491	5250	69.28
1538	6471	7539	103.82
1539	6436	12186	163.96
1540	6432	6290	85.69
1541	6415	4642	57.61
1542	6407	5141	67.30
1543	36691	47621	112.69
1544	8009	9224	101.43
1545	6368	10122	142.45
1546	7812	17068	187.94
1547	11731	12428	93.12
1548	6341	4714	63.17
1549	10959	13310	100.78
1550	6319	10769	149.01
1551	9107	9855	94.96
1552	10214	13629	116.77
1553	6281	15192	171.85
1554	7977	19323	198.03
1555	8612	12995	125.65
1556	6235	5809	80.60
1557	9693	16445	143.42
1558	10127	18021	154.60
1559	6185	7718	110.69
1560	6166	6392	87.44
1561	7795	10232	113.96

1562	17609	19799	98.19
1563	6146	21084	258.30
1564	21160	27130	110.03
1565	6117	8881	129.03
1566	6115	11033	157.15
1567	6115	8269	117.93
1568	8336	22342	219.87
1569	6107	4207	58.45
1570	6092	30613	383.25
1571	9481	15020	134.81
1572	6069	8665	120.15
1573	12581	9290	62.84
1574	7832	7434	71.47
1575	7720	11612	121.91
1576	9718	31188	283.39
1577	6005	45018	560.41
1578	6005	9146	136.42
1579	6002	6358	93.59
1580	5997	2781	35.81
1581	14259	19648	121.85
1582	5973	6207	90.54
1583	5967	4394	57.14
1584	5940	7104	106.42
1585	15695	38364	205.33
1586	9350	15763	149.82
1587	5920	12261	151.70
1588	5908	21742	328.55
1589	5894	7282	108.33
1590	5884	7598	116.01
1591	5878	12879	196.32
1592	5866	6268	94.20
1593	5862	7706	114.17
1594	7218	11275	136.01
1595	5845	21744	309.46
1596	5845	9404	119.18
1597	21232	26856	111.98
1598	5830	7008	105.99
1599	9843	6555	56.58
1600	5819	5119	75.27
1601	5807	6701	100.82
1602	25026	31970	112.17
1603	5780	16328	249.63
1604	10477	10572	88.27
1605	11421	37245	268.01
1606	13421	16625	105.73
1607	5692	12652	192.47
1608	10089	15141	134.77
1609	5678	7878	121.35
1610	5656	11651	180.22
1611	5644	8402	134.51
1612	7796	8676	94.74
1613	5636	8265	131.30
1614	5604	8001	128.52
1615	12605	14586	97.91
1616	5594	8218	130.84
1617	15580	13781	76.81
1618	11544	42000	306.13
1619	8713	28786	275.99
1620	5532	5126	79.47
1621	11899	15092	107.61
1622	5510	6455	101.40
1623	5499	4721	76.29
1624	8545	8668	88.07
1625	5490	26002	409.00
1626	7647	21720	242.22
1627	7895	9864	109.67
1628	5464	8059	131.42
1629	13465	19852	130.28

1630	5445	10321	165.37
1631	5423	8629	138.08
1632	11348	14545	114.96
1633	5386	7267	117.73
1634	5377	4503	71.12
1635	5361	16279	263.61
1636	5347	7762	127.70
1637	5337	4476	72.87
1638	5336	7310	121.96
1639	5330	7458	120.45
1640	7811	14892	159.56
1641	9832	11706	105.25
1642	5297	3594	58.48
1643	11257	23651	178.14
1644	9371	12911	117.43
1645	5281	8339	139.57
1646	5279	5414	87.60
1647	11865	38660	281.76
1648	5267	6066	102.53
1649	10527	24400	193.07
1650	5258	1927	33.32
1651	5257	12637	213.92
1652	5253	6150	100.21
1653	5247	6233	102.08
1654	8644	8221	82.06
1655	5211	7163	122.72
1656	5188	5307	90.10
1657	16439	21002	112.82
1658	5179	8603	137.62
1659	14629	19351	118.51
1660	5172	2898	41.87
1661	5168	10857	185.04
1662	5167	7041	119.50
1663	5159	8545	143.49
1664	6439	9938	136.55
1665	9445	27102	252.79
1666	5140	6564	105.36
1667	5134	21858	358.18
1668	14127	19300	121.03
1669	5102	4851	81.32
1670	5097	5219	88.91
1671	6400	6955	95.22
1672	9079	10999	108.13
1673	5065	6220	110.09
1674	5059	8174	143.51
1675	5054	9097	155.12
1676	5050	6776	120.62
1677	7972	9056	92.66
1678	8836	12805	124.67
1679	5019	11338	185.83
1680	5019	7239	122.97
1681	4995	12296	208.40
1682	4994	4572	79.00
1683	4972	21342	366.46
1684	4955	4376	74.68
1685	4906	17128	232.71
1686	4903	7969	122.34
1687	4900	6575	110.87
1688	4889	17738	298.87
1689	4889	9559	177.12
1690	12498	12633	85.27
1691	9108	9356	90.48
1692	10177	22918	201.40
1693	4850	18543	321.62
1694	7647	13383	152.30
1695	4839	9548	165.69
1696	4788	6551	117.26
1697	4762	4671	86.68

1698	7289	10113	119.25
1699	4757	10828	195.29
1700	4753	7566	135.40
1701	4733	12093	206.88
1702	7831	7907	85.93
1703	8075	9570	99.74
1704	9955	13176	115.21
1705	4673	6283	108.66
1706	4673	5325	99.91
1707	4671	11178	208.80
1708	4648	8901	165.86
1709	7213	7799	87.49
1710	4633	4833	87.31
1711	8053	11600	124.39
1712	4575	2905	57.89
1713	4574	7812	140.22
1714	9272	13484	124.03
1715	4567	3351	66.99
1716	4562	2262	42.28
1717	4562	2089	36.75
1718	6981	11511	138.57
1719	4527	5900	117.32
1720	14029	26340	151.54
1721	4514	13433	249.86
1722	6454	7153	95.04
1723	4472	6855	136.95
1724	4462	10672	213.73
1725	6720	9009	121.02
1726	4446	102354	1960.69
1727	4435	3660	71.30
1728	4404	47954	860.25
1729	4400	6456	134.07
1730	4398	6870	140.94
1731	5598	4446	69.09
1732	4357	4014	78.91
1733	4352	3820	72.90
1734	11591	16974	127.84
1735	8509	10528	100.40
1736	4321	6523	116.53
1737	4320	4344	92.69
1738	4315	10850	224.46
1739	4288	7116	142.70
1740	4284	2801	55.62
1741	4279	4448	91.84
1742	6470	4174	53.47
1743	4221	6961	140.33
1744	13676	15607	96.84
1745	4200	10200	208.05
1746	4190	14922	285.79
1747	4188	7748	170.03
1748	11053	8602	64.90
1749	9956	19756	162.06
1750	4166	5419	96.83
1751	7096	3515	41.36
1752	6335	6189	85.02
1753	7204	10610	124.46
1754	4131	4749	103.03
1755	4116	3587	75.07
1756	4116	75497	1558.46
1757	4110	1572	34.55
1758	4105	5270	113.68
1759	4086	8185	175.28
1760	4070	10460	209.10
1761	4067	4435	90.47
1762	8283	9984	101.75
1763	4060	16541	342.52
1764	11654	20486	146.95
1765	5555	16001	246.43

1766	10810	17379	138.47
1767	13050	22236	137.97
1768	4013	30321	626.36
1769	3998	9015	192.58
1770	7802	10310	114.81
1771	12758	33694	229.27
1772	5828	7771	117.28
1773	3953	15187	322.28
1774	3952	2450	53.48
1775	5197	5933	98.53
1776	11471	14063	107.76
1777	3926	4962	90.54
1778	3925	3693	80.33
1779	7973	7325	78.47
1780	9966	20370	174.69
1781	6823	6970	79.14
1782	3881	7717	182.91
1783	5607	5761	89.42
1784	7348	11707	142.29
1785	3813	9953	219.61
1786	3813	4438	100.41
1787	9753	13216	115.29
1788	7123	6282	75.47
1789	6445	12684	162.00
1790	6209	11941	162.47
1791	3760	3085	68.08
1792	3746	1635	40.17
1793	4958	14242	236.25
1794	3719	6154	140.62
1795	3711	4086	98.10
1796	6829	7338	93.74
1797	3647	6455	158.04
1798	8836	17230	165.07
1799	3634	5208	128.48
1800	6235	8208	116.91
1801	3612	2993	65.81
1802	3607	9006	221.37
1803	5698	10377	158.20
1804	3598	2993	70.44
1805	3596	57509	1216.19
1806	3596	3119	73.88
1807	3587	10879	257.37
1808	9627	7439	65.38
1809	5279	10886	176.65
1810	7142	6688	81.60
1811	6639	12101	144.76
1812	3539	8697	218.55
1813	3512	6992	185.70
1814	3508	21191	517.58
1815	3508	4551	114.45
1816	3504	6102	158.60
1817	3487	8733	211.35
1818	7203	11511	143.51
1819	3479	9790	249.14
1820	3477	3967	99.02
1821	3470	1470	37.36
1822	3433	4327	110.29
1823	5354	5336	84.02
1824	9045	13569	125.39
1825	5887	13518	197.68
1826	3401	7513	198.01
1827	3393	1500	40.78
1828	9006	12394	124.55
1829	3360	2877	72.51
1830	7058	10298	121.30
1831	3352	6061	137.06
1832	3340	4477	120.69
1833	3337	9355	238.07

1834	3333	3779	94.46
1835	3326	5480	149.29
1836	3324	26037	668.94
1837	5196	6783	113.41
1838	4814	3778	64.16
1839	3308	4386	119.00
1840	6328	8151	116.47
1841	5506	7508	122.64
1842	3300	4415	120.12
1843	3296	6234	154.47
1844	12839	25191	156.88
1845	5890	6929	105.00
1846	3286	3328	87.14
1847	3272	8158	221.93
1848	7177	5613	65.54
1849	3248	2177	55.25
1850	5478	16313	259.90
1851	3224	1437	39.16
1852	3224	1636	41.12
1853	3195	5769	152.73
1854	3181	1415	39.74
1855	3174	7001	184.75
1856	3168	2167	49.81
1857	3155	3035	81.78
1858	3136	9366	258.68
1859	7269	13832	166.64
1860	3126	1836	53.48
1861	3124	2559	70.23
1862	8722	13567	138.57
1863	5880	10247	154.53
1864	3089	4680	135.34
1865	7840	9510	102.65
1866	7649	38053	416.14
1867	3048	1572	42.12
1868	3043	5382	148.68
1869	3024	2781	72.90
1870	5734	6425	99.77
1871	3006	1140	34.81
1872	2990	3294	94.47
1873	2981	16733	444.53
1874	2977	8417	254.72
1875	2968	10509	314.00
1876	5404	10406	160.05
1877	4869	10103	180.22
1878	2943	3114	93.24
1879	2937	27975	717.42
1880	2929	2201	60.79
1881	2921	4419	138.76
1882	2915	6187	172.56
1883	2913	3699	108.89
1884	2902	3054	78.80
1885	2899	2348	68.66
1886	2895	3753	116.33
1887	5012	15735	268.85
1888	5632	9789	140.95
1889	2860	21097	581.10
1890	6210	6823	96.95
1891	5342	4811	78.62
1892	2854	6812	205.64
1893	2849	15833	417.14
1894	2848	1674	50.65
1895	2848	8438	215.52
1896	2842	5349	170.03
1897	4155	4978	100.07
1898	2825	3959	119.36
1899	2823	3184	96.49
1900	2813	3915	119.76
1901	7789	9103	99.27

1902	2801	2685	84.39
1903	4524	6243	115.21
1904	2780	4190	135.26
1905	2775	3463	101.66
1906	2763	11899	351.09
1907	2763	3227	103.68
1908	2755	2353	77.24
1909	2753	2159	67.51
1910	2751	3151	99.87
1911	2749	1843	52.92
1912	2740	3322	106.81
1913	2733	17652	537.18
1914	5465	7462	112.95
1915	2721	6431	209.99
1916	2719	4799	161.68
1917	2719	3617	120.01
1918	2713	3429	109.14
1919	2712	3887	126.02
1920	4170	6567	137.96
1921	2701	18353	492.30
1922	2691	8034	248.35
1923	2679	3226	103.71
1924	6120	4631	60.72
1925	2670	2586	82.84
1926	2664	2603	84.24
1927	2664	2098	63.43
1928	7065	16555	204.55
1929	2659	18139	596.46
1930	2652	2606	84.88
1931	9734	12144	106.98
1932	2646	3221	105.31
1933	2643	4235	145.81
1934	4299	5516	111.57
1935	2631	3232	103.34
1936	4276	7622	153.01
1937	2607	2675	88.69
1938	4912	7409	116.01
1939	2596	3561	116.68
1940	2593	1057	37.15
1941	4295	14211	276.71
1942	2578	5914	204.65
1943	2576	7457	249.64
1944	5031	10658	174.88
1945	4728	4295	80.46
1946	2549	2768	96.90
1947	4654	4380	83.08
1948	8436	7401	74.00
1949	2543	1787	49.08
1950	2536	3508	116.63
1951	2532	3925	135.46
1952	2530	1447	50.99
1953	3626	4939	116.75
1954	7447	10312	118.20
1955	8374	20566	215.54
1956	2524	4208	144.92
1957	5259	9446	150.59
1958	2520	2300	75.41
1959	2518	7370	216.02
1960	2516	4205	153.47
1961	2510	2946	102.24
1962	2508	1049	34.94
1963	2504	8922	298.78
1964	2503	4443	156.66
1965	2499	7974	272.51
1966	2499	14170	467.72
1967	2499	3895	105.40
1968	2498	4587	157.16
1969	2479	2456	87.13

1970	2478	10274	359.71
1971	2432	3602	135.45
1972	2421	2766	99.70
1973	2411	4109	133.97
1974	2409	6941	247.04
1975	2403	1102	35.87
1976	2399	1317	48.46
1977	2397	3306	122.48
1978	3851	5010	109.60
1979	2389	4393	159.11
1980	2371	1424	48.76
1981	2370	3805	141.53
1982	2366	2515	91.05
1983	2341	10243	370.89
1984	2340	2679	101.73
1985	2334	1667	60.58
1986	3812	8837	204.83
1987	2311	2867	108.79
1988	2301	1793	62.73
1989	2289	2986	119.42
1990	2277	1089	40.09
1991	2277	2205	83.16
1992	2274	4611	172.44
1993	4163	5138	110.38
1994	2254	2171	85.85
1995	2245	4654	167.14
1996	3983	4901	100.06
1997	4057	8763	191.07
1998	2225	5348	213.64
1999	2220	3338	130.28
2000	2218	2546	98.66
2001	4462	20905	389.02
2002	2215	1570	63.00
2003	2211	3679	123.97
2004	2203	6571	265.62
2005	2200	5260	194.42
2006	2194	8775	330.41
2007	3910	3054	66.01
2008	2190	8086	306.73
2009	2185	2795	105.53
2010	4322	11903	229.81
2011	2174	3324	137.85
2012	2173	2726	107.53
2013	2172	3478	134.05
2014	2160	2189	85.70
2015	2159	4384	165.62
2016	2150	5315	220.29
2017	2147	2458	103.89
2018	2136	5510	223.54
2019	2127	10708	349.31
2020	2127	5381	206.81
2021	2117	3640	135.90
2022	2117	4041	156.93
2023	2113	1697	69.09
2024	4468	5385	101.93
2025	2105	3771	163.76
2026	2098	3280	118.30
2027	4477	7991	150.54
2028	2090	3508	131.01
2029	2088	4463	188.13
2030	2085	6054	237.47
2031	2084	1370	56.51
2032	2081	4186	155.92
2033	2074	2165	90.34
2034	2055	2528	109.20
2035	2053	7398	296.17
2036	2044	13797	589.54
2037	3763	5618	132.18

2038	2038	4153	183.48
2039	2037	3094	133.39
2040	2027	7557	269.86
2041	2026	5888	254.27
2042	2016	5352	230.09
2043	2016	16879	570.89
2044	2013	6580	288.79
2045	2012	4018	158.52
2046	5295	6621	103.82
2047	2007	687	30.40
2048	2007	3655	149.84
2049	2006	3948	163.92
2050	1997	1792	82.31
2051	1995	1383	63.70
2052	6509	6157	83.09
2053	1986	15571	699.95
2054	1977	3440	142.02
2055	1973	3021	130.27
2056	1973	2984	131.09
2057	1969	4566	206.26
2058	1955	6840	306.77
2059	1952	3869	160.69
2060	1951	4613	194.38
2061	5716	6714	98.78
2062	1948	2694	104.32
2063	1946	1600	63.15
2064	1939	5352	205.78
2065	1937	2596	118.74
2066	1930	3422	160.93
2067	1911	1354	60.85
2068	3669	8283	199.17
2069	1900	901	41.15
2070	1900	6183	274.52
2071	1896	2156	97.38
2072	1884	1733	80.18
2073	1880	3451	159.55
2074	1874	4670	221.96
2075	5785	10127	148.24
2076	1866	1917	85.95
2077	1865	1229	54.27
2078	1853	10234	407.75
2079	1852	4290	203.02
2080	1848	3867	178.68
2081	1847	2574	115.14
2082	1846	6223	282.54
2083	1844	6155	275.21
2084	1834	3400	147.29
2085	1833	1091	47.66
2086	1832	4099	180.94
2087	1828	3598	148.83
2088	1824	4165	163.90
2089	1824	8661	392.66
2090	1823	5648	262.70
2091	1820	695	33.81
2092	1820	2531	123.09
2093	1818	1712	80.37
2094	1814	2792	139.88
2095	1814	1978	95.09
2096	3306	8769	235.38
2097	1809	2280	112.69
2098	1809	3379	165.29
2099	1806	4334	204.00
2100	1805	3096	156.80
2101	1797	2004	98.59
2102	1793	2614	66.74
2103	1792	3670	171.97
2104	1792	1846	88.89
2105	1791	932	44.47

2106	1789	1596	76.35
2107	1787	4355	215.16
2108	1786	764	38.34
2109	1780	4852	246.29
2110	1780	5759	247.47
2111	1770	6066	265.86
2112	1769	725	37.59
2113	1754	19872	869.89
2114	1753	4517	221.45
2115	1751	882	44.88
2116	1747	1483	72.99
2117	1747	6668	265.57
2118	1735	3676	195.37
2119	1724	1117	56.06
2120	1716	3899	198.36
2121	1712	1818	89.72
2122	1707	2347	120.18
2123	1704	2022	100.55
2124	1704	2393	125.54
2125	1699	4088	202.61
2126	1696	1032	50.73
2127	1692	5350	270.90
2128	1691	11375	449.25
2129	1690	727	37.96
2130	3914	3493	76.40
2131	1680	4507	235.60
2132	1679	5975	286.47
2133	1656	1450	71.92
2134	1652	2026	108.46
2135	1652	7126	347.21
2136	1649	1549	78.60
2137	3448	2682	66.40
2138	1646	3292	169.22
2139	1644	2192	113.58
2140	1638	1932	104.79
2141	1636	9083	368.57
2142	1632	10333	529.54
2143	1631	907	38.87
2144	1620	3453	179.00
2145	1615	881	45.76
2146	1607	3333	172.79
2147	1592	2892	157.28
2148	1588	783	43.24
2149	1586	586	33.70
2150	1580	1736	87.36
2151	1567	3074	161.50
2152	3056	6013	166.92
2153	1556	1221	68.76
2154	1544	1135	66.08
2155	1542	2706	157.59
2156	1542	3724	180.12
2157	3207	2250	60.04
2158	1541	683	35.23
2159	1540	7087	370.94
2160	2962	11140	285.76
2161	1539	1311	41.19
2162	1538	1121	62.08
2163	1535	3377	179.66
2164	2796	5210	160.99
2165	1522	940	50.87
2166	1521	1103	63.41
2167	1517	853	46.11
2168	1513	1110	48.99
2169	1512	2518	153.29
2170	1509	1972	116.27
2171	1506	3481	211.34
2172	1506	3870	174.87
2173	1503	2495	153.51

2174	1503	1223	64.44
2175	1499	2151	124.08
2176	1495	3612	192.72
2177	1493	10493	550.67
2178	3138	2304	61.80
2179	1488	2442	144.17
2180	1487	689	37.82
2181	1479	2878	158.48
2182	1476	1669	99.55
2183	1476	1398	83.29
2184	1473	9441	496.72
2185	1471	1307	77.74
2186	1471	1765	107.95
2187	1466	4950	286.09
2188	1464	583	31.78
2189	1459	15454	962.76
2190	1458	5763	330.55
2191	1454	2936	171.64
2192	1451	1730	101.38
2193	1446	10726	642.67
2194	1437	5155	334.42
2195	1437	2031	127.31
2196	1436	3060	189.20
2197	1431	2518	146.67
2198	1428	22222	1093.66
2199	1426	3753	208.77
2200	1424	1555	92.12
2201	1422	1603	81.37
2202	1420	1195	67.88
2203	1413	1792	104.16
2204	1412	2018	123.80
2205	1406	1760	114.66
2206	1401	2805	132.60
2207	1389	3365	172.68
2208	1378	1759	105.89
2209	1378	1662	104.81
2210	1374	1108	66.87
2211	1372	911	57.48
2212	1366	6239	365.20
2213	3113	5813	152.65
2214	1359	2060	131.29
2215	1352	1320	86.22
2216	1350	4188	228.95
2217	1345	1585	106.11
2218	1342	1315	85.98
2219	1334	1185	57.23
2220	1329	1409	92.35
2221	1327	2086	144.74
2222	1321	5931	397.85
2223	1320	816	52.11
2224	1314	2001	127.65
2225	1310	537	33.34
2226	1304	2778	173.56
2227	1295	3064	197.55
2228	1293	631	42.30
2229	1291	1488	96.92
2230	1291	2494	170.31
2231	1286	1500	103.10
2232	1285	1272	83.52
2233	1274	8878	565.03
2234	1269	3698	252.52
2235	1266	1557	106.71
2236	1266	2370	164.82
2237	1265	4021	273.47
2238	1265	720	47.68
2239	1263	1408	99.29
2240	1261	2122	140.95
2241	1260	719	46.93

2242	1260	1025	71.96
2243	1260	5701	321.03
2244	1260	1228	84.49
2245	1252	914	62.25
2246	1251	1430	94.89
2247	1251	1555	97.43
2248	1244	972	67.13
2249	1236	1439	81.86
2250	1233	1400	97.63
2251	1228	1010	71.38
2252	1223	3920	268.61
2253	1223	914	62.40
2254	1219	2082	128.05
2255	1215	9340	634.71
2256	1209	2710	201.32
2257	1201	1796	131.93
2258	1201	664	40.29
2259	1197	22221	1397.97
2260	1195	11356	796.39
2261	1195	3653	261.35
2262	1193	5157	344.73
2263	1192	2096	162.37
2264	1190	3803	285.16
2265	1186	526	39.28
2266	1184	4162	272.68
2267	1182	2379	170.66
2268	1181	613	47.48
2269	1176	1666	109.06
2270	1176	494	36.65
2271	1172	2497	188.99
2272	1167	2183	153.93
2273	1166	806	57.20
2274	1160	4529	328.86
2275	1160	556	40.52
2276	1157	6990	417.25
2277	1148	3590	268.80
2278	1148	1102	80.72
2279	1144	2654	193.27
2280	1143	3620	253.71
2281	1142	1942	142.57
2282	1140	4186	323.29
2283	1139	1171	87.12
2284	1129	1649	130.72
2285	1129	2314	183.67
2286	1127	617	42.96
2287	1123	1597	129.72
2288	1120	2968	215.89
2289	1120	2451	196.36
2290	1120	1298	102.83
2291	1119	1049	77.45
2292	1118	1020	79.23
2293	1111	6980	560.47
2294	1110	7208	498.55
2295	1108	780	60.84
2296	1107	1312	97.37
2297	1105	836	61.91
2298	1102	494	36.50
2299	1100	3733	300.60
2300	1100	1304	98.05
2301	1093	2027	151.02
2302	1091	5648	432.82
2303	1087	7977	584.36
2304	1085	3052	246.75
2305	1084	612	48.58
2306	1082	1783	149.23
2307	1082	1492	126.44
2308	1077	819	61.90
2309	1075	4630	371.60

2310	1074	506	38.68
2311	1073	3926	251.18
2312	1071	1486	92.91
2313	1070	2932	217.80
2314	1066	918	72.42
2315	1065	5891	428.48
2316	1063	1573	135.02
2317	1062	862	70.40
2318	1056	937	76.89
2319	1051	2674	210.43
2320	1050	702	53.76
2321	1048	3318	269.25
2322	1046	582	49.22
2323	1041	2215	172.22
2324	1039	1793	139.81
2325	1038	583	46.31
2326	1037	720	61.68
2327	1036	2020	177.99
2328	1036	510	41.78
2329	1034	6195	541.34
2330	1033	3245	254.82
2331	1026	1082	89.86
2332	1023	705	57.65
2333	1021	1023	87.93
2334	1021	978	63.09
2335	1020	8950	786.60
2336	1017	2096	183.84
2337	1017	1331	114.41
2338	1016	937	78.10
2339	1015	1135	98.94
2340	1012	2209	181.93
2341	1011	796	70.78
2342	1011	1039	90.90
2343	1010	1723	155.46
2344	1008	709	57.06
2345	1008	4275	296.90
2346	1007	2291	188.91
2347	1006	3452	267.78
2348	1005	1250	110.14
2349	1002	6935	560.26
2350	1001	1436	125.15
2351	1000	390	32.47

--- mate-pair data mapping results ---

General info:

```

Program name      clc_mapper
Program version   5.0.4.161845-201706141024
Program parameters -d Amoebophrya.scaffolds.fa -p bf ee 1300 3100 -q -i pe_read_1.fq
pe_read_2.fq -o mapping_MP3kb_data.cas -r ignore

```

Contig files:

```
Amoebophrya.scaffolds.fa [ 2351 / 87690817 ]
```

Read files:

```
pe_read_1.fq interleaved with pe_read_2.fq [ 82141738 / 7190181895 ] <paired>
```

Read info:

Contigs	2351	
Reads	82141738	
Unmapped reads	18748979	22.83 %
Mapped reads	63392759	77.17 %
Multi hit reads	0	0.00 %

Mapped as paired	82141738	100.00 %
Paired	39413080	47.98 %
Multi hit reads	0	0.00 %
Unpaired	42728658	52.02 %
Multi hit reads	0	0.00 %

Paired end info:

Paired reads	39413080	47.98 %
Average distance	2008.11	
99.9 % of pairs between	1301 - 3098	
99.0 % of pairs between	1308 - 3070	
95.0 % of pairs between	1340 - 2965	
Unpaired reads	42728658	52.02 %
Both seqs not matching	15554444	36.40 %
One seq not mathing	6389070	14.95 %
Both seqs matching	20785144	48.64 %
Different contigs	8156066	39.24 %
Wrong directions	786078	3.78 %
Too close	9249614	44.50 %
Too far	2593386	12.48 %

Coverage info:

Mapped nucleotides	5439460667	75.65 %
Total sites	87690817	
Average coverage	62.03	

Contig info:

Contig	Sites	Reads	Coverage
1	536766	367279	59.04
2	333242	220655	57.18
3	232214	153996	57.28
4	215172	138137	55.17
5	173237	209748	104.83
6	323084	209709	55.95
7	161939	106499	56.73
8	166220	103088	52.70
9	268366	174037	55.94
10	324791	210539	55.84
11	188472	128109	58.63
12	153463	98191	54.99
13	317780	209258	56.81
14	111583	79023	61.27
15	219690	139725	54.97
16	139012	92133	57.19
17	126789	83091	56.61
18	175422	118879	58.40
19	328227	220227	58.03
20	145226	97371	57.92
21	276268	200056	62.18
22	114060	77808	59.12
23	127126	83010	56.21
24	130106	87166	57.91
25	93494	63633	59.13
26	318924	212624	57.50
27	141906	91194	55.40
28	98310	63441	55.70
29	159638	102351	55.05
30	148439	96531	55.96
31	175880	115828	56.84
32	406243	271805	57.52
33	85953	56211	56.34
34	147081	102462	60.11
35	146507	113363	66.21
36	175363	159614	78.48

37	365549	444244	104.83
38	254965	168285	56.82
39	248039	175190	61.01
40	124202	80586	56.21
41	93992	71915	65.43
42	202498	127846	54.43
43	248522	173101	60.03
44	86540	57348	57.08
45	78758	53482	58.71
46	102561	69996	58.94
47	133237	77445	50.18
48	127890	81403	54.94
49	163722	108436	57.16
50	396561	262837	57.13
51	134357	84513	54.10
52	182822	125246	58.99
53	213816	137414	55.30
54	276801	186152	58.15
55	74863	55441	62.05
56	183255	125802	58.85
57	192449	122846	55.14
58	129925	86129	56.89
59	133584	90100	58.24
60	168647	115555	59.21
61	182461	128138	60.65
62	346043	224868	56.12
63	265770	171419	55.75
64	96992	68828	60.92
65	73262	46789	55.04
66	90729	61223	58.35
67	127927	88616	59.98
68	105516	72253	58.91
69	150794	98797	56.43
70	174420	115568	57.42
71	67344	44798	57.68
72	145008	100328	59.56
73	90217	80900	77.20
74	160745	101899	54.53
75	178948	117036	56.38
76	93794	66518	61.20
77	196790	137902	60.29
78	100835	64602	55.25
79	139123	86666	53.62
80	92482	68247	64.06
81	99116	67583	58.98
82	108039	72798	57.48
83	158276	104574	56.91
84	177955	122535	59.65
85	69886	45786	56.04
86	297654	237169	68.45
87	126844	87593	59.31
88	63556	42297	57.54
89	63357	41854	56.70
90	117765	80209	59.16
91	81292	57666	61.11
92	71870	49636	59.81
93	187125	124559	57.01
94	62206	43333	60.18
95	291740	192328	56.78
96	124252	81241	56.50
97	117782	118393	86.52
98	83445	63054	65.05
99	105258	71104	57.62
100	100525	76461	66.68
101	61657	42212	59.05
102	76090	55380	62.91
103	82173	52186	54.48
104	255748	165309	55.63

105	61205	39719	55.56
106	175660	117269	57.60
107	91271	59811	56.66
108	106677	70116	56.84
109	114018	73969	56.10
110	186986	126294	58.12
111	97670	131051	116.70
112	93580	64090	58.85
113	210404	141059	57.86
114	123031	78299	54.90
115	99744	64397	55.54
116	59843	41138	59.43
117	59815	34123	48.85
118	162979	108526	57.40
119	65061	47646	62.26
120	174079	133392	66.32
121	62461	42692	58.35
122	120364	86247	61.63
123	93542	77468	71.64
124	60248	40775	58.35
125	328515	223016	58.33
126	137348	95140	59.94
127	81168	54698	58.33
128	77395	51820	57.34
129	127494	84337	57.01
130	72353	49172	58.87
131	62800	40908	56.29
132	58079	40249	59.91
133	58020	35335	52.07
134	57910	34368	51.10
135	75714	51086	58.14
136	99799	66546	57.43
137	177394	118614	57.81
138	98239	73096	63.58
139	112749	76625	58.90
140	129006	84653	56.43
141	286137	194623	58.47
142	321698	221278	59.09
143	79722	54099	58.53
144	71343	43378	52.31
145	56565	36656	56.19
146	193525	143249	63.45
147	177183	116584	57.00
148	56217	36391	56.01
149	266885	180395	58.28
150	176950	129987	63.01
151	179797	122811	59.14
152	116329	79644	59.06
153	121041	93496	63.66
154	114202	76413	57.73
155	192685	128296	57.25
156	107233	68168	54.84
157	65188	41318	54.75
158	56708	37351	56.62
159	118256	76351	55.75
160	165689	110043	57.17
161	168051	114942	59.07
162	74738	53599	61.52
163	70798	41710	49.94
164	74257	48922	57.07
165	110181	75486	58.71
166	148193	97425	56.02
167	53643	37047	59.79
168	123844	85761	58.31
169	85289	57626	57.74
170	143356	94148	56.63
171	85647	60590	60.73
172	70511	45176	55.23

173	72271	48172	57.10
174	56390	36462	55.87
175	97672	68771	60.28
176	65100	41416	55.01
177	52223	35101	57.98
178	52176	33485	55.44
179	82011	55489	58.37
180	124833	112746	77.65
181	144501	93735	55.86
182	63359	42132	57.47
183	116878	78171	57.86
184	51663	34892	58.23
185	51571	36172	60.80
186	133269	91071	59.06
187	157610	214994	117.57
188	109914	69384	54.44
189	201745	132908	56.94
190	97137	65614	58.36
191	139242	91362	56.32
192	54400	39707	62.89
193	88604	64329	62.90
194	118796	72887	52.65
195	50511	37013	63.09
196	112378	75543	57.86
197	258686	177253	58.71
198	50377	34529	59.21
199	137194	85515	53.77
200	142665	95853	57.87
201	73540	51368	60.41
202	50102	31577	54.56
203	123289	73858	51.62
204	53771	35333	56.71
205	57946	39958	59.48
206	54733	33732	53.14
207	102377	69804	58.96
208	141580	100077	61.00
209	97348	70647	62.57
210	62727	44797	61.46
211	211517	140645	57.26
212	115170	78284	58.54
213	91868	66997	62.42
214	51886	36957	61.25
215	171261	140015	70.13
216	68838	37115	46.00
217	51735	33694	56.28
218	99890	68082	58.45
219	49653	33444	58.19
220	62271	39373	54.20
221	47585	27999	49.72
222	154508	107622	60.16
223	139746	86480	53.05
224	63906	41074	55.52
225	137587	92922	57.52
226	127311	81717	55.27
227	86592	56113	55.65
228	211282	150170	61.24
229	140265	85272	52.41
230	65568	45949	60.59
231	196863	130513	56.92
232	329788	214324	55.88
233	46604	30702	57.16
234	119624	84705	61.15
235	54906	36404	57.16
236	50122	32350	55.63
237	78196	51571	56.88
238	101967	67476	57.23
239	115663	72488	53.97
240	46012	30609	57.41

241	150960	97851	55.84
242	100207	62795	53.92
243	76249	49103	55.46
244	49749	37649	64.64
245	55046	37265	58.30
246	137786	87396	54.56
247	75168	49067	56.19
248	131524	160331	105.23
249	88209	58713	57.48
250	151971	100611	56.85
251	124822	82740	57.13
252	121895	79569	56.37
253	172711	118594	59.21
254	85809	58475	58.73
255	58403	43262	63.60
256	53382	35441	57.05
257	209020	139392	57.52
258	83856	52402	53.99
259	113454	71347	54.28
260	68815	42408	53.21
261	70656	43936	53.77
262	57435	39508	59.05
263	67216	44403	57.07
264	124923	86858	59.51
265	91369	58852	55.61
266	44102	27301	53.27
267	83101	55967	57.74
268	148703	95782	55.22
269	43954	31019	60.35
270	318215	202334	54.86
271	100775	66409	56.89
272	59960	41203	59.44
273	98991	62397	54.27
274	103577	69752	57.81
275	172884	110914	55.13
276	43204	27985	56.17
277	42963	28500	57.48
278	42954	27481	55.56
279	188966	127513	58.13
280	84456	56571	57.72
281	64541	42604	56.74
282	42542	28621	58.46
283	82439	55016	57.79
284	108086	71808	57.30
285	44040	34092	65.89
286	126040	80411	54.77
287	63286	40814	55.39
288	129703	84174	55.96
289	72757	52588	62.33
290	56290	40608	61.31
291	117642	87690	64.19
292	178755	118901	57.41
293	45337	29873	56.80
294	44345	31915	61.52
295	174154	112729	55.67
296	46186	28141	52.15
297	41481	28396	59.03
298	51642	30326	50.24
299	134107	95972	61.81
300	80517	50960	54.61
301	45915	33734	62.62
302	69887	45913	56.30
303	122725	80645	56.60
304	72903	50151	59.58
305	46298	31876	59.21
306	65908	42414	55.48
307	151821	97890	55.66
308	117991	88298	64.48

309	133779	178865	115.83
310	41964	26996	55.28
311	61283	41015	57.83
312	76577	50097	56.42
313	48381	32195	57.29
314	40098	25040	53.75
315	53489	39624	63.70
316	71093	53496	65.00
317	40035	25795	55.73
318	39976	25620	55.25
319	49637	33307	58.00
320	67401	46025	58.09
321	44078	39356	76.97
322	101132	68205	57.93
323	42605	29537	59.43
324	56801	38718	59.02
325	86129	62617	62.72
326	39384	27834	61.25
327	44312	29652	57.79
328	62370	52410	72.40
329	74272	44095	51.20
330	164407	106075	55.85
331	57239	36447	53.76
332	216320	138003	55.00
333	80337	50704	54.33
334	38960	23754	52.85
335	173153	114104	56.88
336	82212	119256	125.20
337	88936	61357	59.19
338	83644	79510	82.48
339	69998	47869	58.30
340	72647	49443	58.82
341	99001	61491	53.18
342	38507	25004	55.88
343	100275	64444	55.32
344	225593	153119	58.49
345	82633	56498	58.87
346	127236	88055	59.55
347	41380	25009	52.24
348	81832	63002	64.89
349	110855	73924	57.07
350	67308	44613	57.54
351	37712	24884	56.83
352	83672	60545	62.53
353	144676	92482	54.78
354	78059	48901	54.24
355	44799	27348	52.49
356	112687	83408	63.94
357	187470	132839	60.89
358	44497	34464	66.40
359	51083	35714	60.71
360	46768	31580	57.30
361	68819	43073	53.72
362	45689	30549	56.96
363	52746	35387	57.95
364	82618	54645	56.63
365	114418	75497	56.77
366	37022	32911	76.00
367	64089	40720	54.20
368	40498	27630	59.09
369	69696	45512	56.00
370	95533	59543	53.60
371	133986	84836	54.39
372	77937	52023	57.25
373	40859	26155	55.36
374	80959	54382	58.18
375	82457	55741	58.39
376	36478	32024	75.81

377	105202	71516	58.99
378	67587	43600	55.45
379	176433	130444	63.58
380	108845	71419	56.15
381	49028	33583	58.66
382	81605	52551	55.72
383	55021	35638	55.75
384	106921	76612	61.86
385	42973	31317	62.59
386	43476	29316	57.61
387	63759	46752	63.35
388	36082	23254	55.67
389	54038	35332	56.33
390	53341	44098	71.16
391	85227	57098	57.76
392	77618	54694	60.71
393	160693	102417	54.80
394	69156	42902	53.36
395	35395	24227	57.53
396	35377	22405	54.53
397	36638	25746	60.83
398	85464	62750	63.11
399	169219	114509	58.52
400	65647	42768	55.98
401	177949	121442	58.95
402	41991	32981	66.61
403	99656	67666	58.68
404	162428	109981	58.13
405	59717	37688	54.35
406	169324	130375	65.30
407	54454	34063	53.29
408	47307	28688	52.56
409	63173	40390	55.29
410	48605	31087	54.48
411	56283	39197	59.89
412	34679	20756	51.43
413	43205	27964	56.22
414	45271	27898	53.33
415	109598	73022	56.74
416	56894	39236	59.55
417	34068	23793	60.12
418	40331	26673	56.60
419	125672	85273	58.66
420	72255	49463	58.79
421	79089	53721	58.25
422	53665	47857	74.56
423	33804	24010	61.33
424	83383	55469	57.22
425	126078	85203	58.20
426	83970	54490	56.14
427	33700	23505	59.67
428	65844	44120	58.02
429	63753	43599	59.04
430	52786	34683	56.64
431	70437	47799	58.20
432	50892	40970	69.44
433	76787	56885	63.97
434	33133	22713	59.72
435	244044	164915	58.06
436	101144	66214	56.64
437	66223	45579	58.75
438	32963	21510	56.28
439	32954	21261	55.62
440	36101	25641	59.80
441	86961	53823	53.28
442	100763	70554	60.55
443	72677	48834	57.60
444	32711	21215	56.09

445	230577	164632	61.35
446	73411	50820	59.20
447	32685	24148	63.51
448	86854	60871	60.44
449	56099	38957	59.79
450	37577	32110	72.65
451	32514	52483	139.77
452	96599	63110	56.18
453	55569	36433	56.57
454	82611	58300	60.71
455	71709	51466	60.77
456	44428	30274	59.01
457	252597	170971	58.42
458	67511	47687	59.52
459	38059	22962	51.82
460	44403	25666	48.90
461	53176	31963	51.14
462	52775	35735	57.90
463	77014	52633	58.62
464	35530	28331	69.08
465	35079	24282	59.66
466	83470	56390	57.92
467	84959	57433	58.22
468	33099	21131	54.93
469	132717	85829	55.34
470	85034	57725	58.33
471	44190	33167	64.09
472	118023	90801	66.07
473	35293	25139	61.21
474	58151	35413	52.42
475	45566	52041	97.50
476	31337	18792	51.93
477	75465	48855	55.13
478	41096	27056	56.87
479	76086	63901	72.94
480	122444	83913	59.07
481	83544	54208	55.83
482	31098	21708	60.45
483	31032	20671	57.16
484	96594	67898	60.33
485	95407	65186	58.84
486	48345	39153	68.54
487	38465	24929	55.40
488	72203	51749	61.34
489	34732	26403	64.64
490	54455	34199	54.43
491	30459	25218	71.08
492	30456	20038	56.92
493	35878	30424	73.00
494	102492	71570	59.80
495	45396	32722	61.42
496	53610	41636	66.70
497	55468	35993	55.43
498	49455	32104	56.05
499	109586	71322	56.08
500	68315	42599	53.11
501	34906	24922	61.33
502	64811	44373	59.19
503	29928	25296	72.33
504	43545	27713	54.84
505	29827	18910	54.91
506	55977	37226	57.29
507	67207	47318	60.41
508	29781	20236	59.05
509	46433	35360	66.01
510	39984	28222	61.22
511	47340	32815	59.42
512	62467	43095	59.40

513	94321	61130	55.87
514	69021	45884	57.16
515	72553	46419	55.08
516	41218	22961	47.81
517	38053	21528	48.46
518	61688	44041	61.24
519	58929	36914	53.87
520	31744	21059	57.30
521	62780	44511	61.17
522	63568	41428	55.93
523	29352	19748	58.28
524	103800	83343	68.22
525	97528	67565	59.00
526	29226	18898	55.70
527	80786	53638	56.85
528	48858	32686	57.87
529	42178	39442	76.10
530	67295	48277	61.42
531	38666	24413	54.11
532	66833	43736	56.65
533	29059	19712	58.26
534	35869	21264	51.17
535	53830	41462	65.88
536	90583	65151	60.70
537	28937	18830	56.28
538	57359	38446	57.62
539	37127	26600	61.14
540	28801	20793	61.89
541	55488	35215	54.81
542	49537	31644	55.33
543	28719	19316	58.27
544	57684	37699	56.29
545	50549	38267	64.65
546	34937	24563	60.92
547	69723	47980	59.61
548	86943	61838	60.18
549	28561	18630	56.26
550	34155	22989	58.02
551	35000	25464	62.15
552	44322	27987	54.01
553	50590	32913	55.11
554	40286	26478	56.83
555	38733	37464	77.82
556	63685	44380	59.20
557	59060	37812	54.61
558	28162	18770	57.80
559	87827	64394	62.83
560	55335	42059	64.27
561	27853	18858	58.56
562	48266	31999	57.25
563	27708	18267	55.57
564	27704	26057	81.32
565	31752	41419	111.42
566	27695	19412	61.00
567	41583	56505	115.43
568	61435	46252	63.76
569	49424	32363	55.53
570	31449	22959	63.06
571	71780	63689	76.11
572	27508	20367	64.08
573	40744	28090	59.13
574	43071	29551	58.40
575	27427	14585	46.14
576	64249	42797	57.06
577	59568	43131	61.31
578	80588	52092	55.69
579	55155	35648	55.29
580	47900	31847	57.08

581	27269	16803	53.24
582	42609	26194	52.83
583	31452	21705	59.00
584	60886	43076	61.00
585	52650	32828	53.68
586	27119	19562	61.91
587	72883	48983	57.43
588	27065	18183	58.48
589	38387	24318	54.74
590	41860	36073	72.09
591	78458	50866	55.80
592	69280	58185	72.20
593	107412	71398	57.42
594	152607	103205	58.03
595	61674	42274	58.93
596	26854	17741	57.10
597	26830	19590	62.17
598	57919	38262	56.61
599	70638	47057	57.20
600	38815	25925	57.23
601	67620	44804	57.15
602	26733	18460	59.34
603	26698	23693	72.21
604	26679	17515	56.47
605	74591	54351	62.23
606	30545	24961	70.13
607	35783	32521	78.76
608	34641	22816	56.99
609	76271	48249	54.49
610	26385	17959	59.00
611	90191	63649	60.10
612	36741	22364	52.35
613	26292	17099	55.89
614	125039	78782	54.36
615	46851	37802	70.77
616	36061	27010	63.68
617	30165	20442	58.39
618	26139	17544	57.72
619	92742	61138	57.11
620	45122	28274	53.93
621	115829	74606	55.40
622	81220	62209	65.84
623	47623	31815	57.26
624	26001	18867	61.60
625	84540	58004	58.29
626	31342	36163	98.52
627	37615	22361	50.86
628	35810	28690	68.93
629	57999	41335	60.06
630	25862	17462	58.37
631	25813	17139	57.17
632	35339	19205	46.20
633	88638	61072	59.21
634	36778	31623	73.20
635	25706	16209	54.50
636	31101	21312	58.20
637	59115	40711	59.37
638	25536	18627	62.15
639	71972	47730	57.18
640	42057	27954	57.47
641	49622	35637	62.26
642	46244	32930	61.29
643	25462	20038	67.55
644	41962	26238	54.06
645	82392	53776	56.09
646	75430	66173	75.29
647	27816	22417	68.88
648	25242	16561	57.05

649	74836	48589	55.71
650	50379	40914	67.11
651	125823	83076	56.54
652	38945	28109	61.09
653	107907	70529	56.42
654	25099	21949	75.78
655	59823	41939	59.41
656	37018	24020	55.86
657	86171	56687	56.65
658	24914	18299	61.71
659	102028	71777	60.70
660	86658	57900	56.93
661	24863	17471	60.94
662	182458	122125	57.70
663	60369	43883	62.46
664	33944	21396	54.22
665	24807	16730	57.88
666	64062	40056	53.74
667	83031	53269	55.55
668	32315	20252	53.75
669	114507	77930	58.09
670	33936	22530	57.58
671	29212	18896	55.46
672	40825	28091	59.61
673	47551	31582	57.30
674	24424	16380	57.53
675	42427	34297	67.28
676	58854	36374	52.98
677	68345	44910	56.48
678	116201	82069	60.87
679	90141	63355	60.38
680	28235	17640	53.84
681	24247	17102	58.97
682	59684	55153	79.49
683	70261	47597	58.07
684	25744	18255	61.77
685	46609	31658	58.70
686	71661	52629	63.11
687	29445	19902	57.73
688	118870	71828	51.89
689	23959	24179	87.36
690	27297	17711	55.49
691	60973	38617	54.53
692	37639	26098	59.69
693	89831	59677	57.23
694	117475	73525	53.84
695	41457	42986	88.99
696	68572	45957	56.76
697	50324	34617	59.39
698	68995	41826	51.71
699	51804	34776	58.06
700	38055	25180	56.56
701	102624	67060	56.16
702	31100	20024	55.28
703	46958	31709	58.25
704	52318	34653	57.27
705	41266	26675	55.33
706	23380	19078	70.03
707	23345	15251	55.46
708	33392	22665	58.81
709	63985	42358	57.02
710	67492	44290	55.83
711	23218	15303	56.96
712	57965	37143	55.48
713	62368	45238	62.06
714	32250	20109	53.62
715	34723	24378	60.93
716	47075	42813	73.01

717	23003	15613	58.73
718	62328	42087	58.44
719	24230	19590	67.99
720	85480	62023	61.82
721	53535	41905	66.16
722	106868	73849	58.87
723	22879	14619	54.95
724	32074	20732	55.49
725	59273	38211	55.45
726	51620	34966	57.74
727	67161	58695	73.50
728	38219	26104	59.13
729	32423	21431	57.37
730	47424	32276	58.69
731	46648	33408	61.55
732	40985	26752	55.75
733	33947	25910	65.49
734	29849	18147	52.49
735	39423	27597	60.43
736	22545	776	1.60
737	34241	22775	56.73
738	46137	29538	55.08
739	33997	26657	67.13
740	45019	34182	65.38
741	47609	42082	75.74
742	43385	35164	69.80
743	106990	73232	58.95
744	77290	49029	54.59
745	30974	22738	62.98
746	55237	46392	70.85
747	22289	14206	54.99
748	22262	14830	57.66
749	22248	15466	56.01
750	57816	41258	60.15
751	59180	46510	66.41
752	90238	67748	63.99
753	22136	14384	55.82
754	104743	67032	54.99
755	62103	41323	57.39
756	24522	16101	56.70
757	26070	19047	63.02
758	84797	56307	57.21
759	45976	30375	56.63
760	25680	18282	60.48
761	26405	17037	55.53
762	41295	28271	59.22
763	21758	13882	54.99
764	21748	14208	56.42
765	90478	63985	60.47
766	33393	28086	72.37
767	46505	29996	55.53
768	23012	14827	55.48
769	107338	69358	55.64
770	44249	29509	57.39
771	86812	65029	63.09
772	38191	25896	58.66
773	21432	36157	146.97
774	105745	73280	58.87
775	21238	43008	150.79
776	25948	17885	59.43
777	24521	16983	60.03
778	82984	53955	56.06
779	21193	17206	70.43
780	21089	12794	52.31
781	27131	23470	66.74
782	28109	17619	53.81
783	21038	13963	57.79
784	21021	13667	56.14

785	72056	47497	56.73
786	34189	48935	120.89
787	104700	73004	58.32
788	41889	31912	65.82
789	34407	23899	60.04
790	20478	13005	54.40
791	45411	32717	61.50
792	45525	36624	66.22
793	48193	31359	56.16
794	86738	55425	54.76
795	33311	21724	56.16
796	34593	24267	60.81
797	60186	39632	56.99
798	22801	19454	69.84
799	46592	46400	85.47
800	56327	37531	57.14
801	131917	88598	57.86
802	33939	23685	60.49
803	23385	19768	71.81
804	20186	12432	53.26
805	49507	57966	101.25
806	33779	26166	65.38
807	25451	14979	50.40
808	45616	30146	56.57
809	37530	25412	57.08
810	19852	13745	59.72
811	42967	32604	65.33
812	19819	811	2.85
813	44889	32719	62.47
814	111293	78427	59.67
815	24436	15009	52.52
816	19780	13204	56.53
817	24394	15072	53.25
818	21313	13187	53.30
819	54158	42229	66.57
820	56235	36905	55.70
821	19648	16040	70.25
822	88098	57666	56.22
823	42000	27467	55.85
824	36087	26786	62.90
825	41929	28423	57.58
826	19556	13013	57.79
827	19531	12759	56.74
828	23012	15531	57.94
829	118004	77191	55.93
830	36648	42794	101.57
831	47757	29697	53.20
832	25691	20376	67.83
833	41481	30634	62.84
834	37544	25915	60.07
835	40701	26079	55.22
836	19258	12057	53.41
837	19219	21622	93.45
838	19193	13932	62.93
839	73235	46389	54.47
840	27586	15668	48.53
841	19103	12316	55.76
842	69724	38488	47.07
843	35117	21917	54.01
844	20326	14620	61.85
845	51747	37503	62.22
846	24467	14050	47.74
847	33810	21990	56.62
848	18821	12493	56.91
849	62708	41969	56.89
850	40347	25868	55.40
851	31887	21323	57.56
852	20882	16317	67.39

853	27857	17989	55.98
854	18657	14135	65.30
855	125850	86758	58.97
856	57952	45198	65.48
857	18596	198	0.50
858	18545	11401	52.81
859	18503	13774	64.43
860	20177	17288	70.90
861	67627	46929	59.76
862	36455	26137	61.74
863	76602	50031	56.19
864	25285	17001	57.49
865	18382	12328	57.03
866	46896	30859	56.86
867	33048	19937	51.77
868	26529	18253	58.63
869	19527	13010	57.16
870	27617	26518	82.96
871	30808	22040	60.74
872	19705	13974	60.08
873	18216	12274	58.35
874	30097	20068	57.63
875	23422	15901	58.55
876	18190	13189	62.94
877	20679	12815	53.48
878	18181	12647	60.35
879	47946	32109	57.47
880	39852	25220	54.69
881	17938	28726	139.27
882	51665	36956	60.35
883	37857	34051	77.49
884	24914	21422	73.24
885	17817	12459	60.84
886	27149	16892	53.78
887	17811	11973	58.27
888	35172	22295	54.52
889	36842	23946	54.75
890	17802	19793	96.06
891	28629	19447	58.94
892	32327	23476	61.57
893	44810	37141	69.73
894	35192	22799	55.74
895	41820	25329	51.90
896	17612	12004	58.78
897	50619	35016	57.70
898	30808	20113	55.61
899	21077	14183	57.86
900	17577	131	0.21
901	17556	11831	58.10
902	33427	22340	58.08
903	17533	722	2.57
904	17533	12599	62.11
905	49366	48873	83.39
906	72863	45801	53.67
907	37288	27667	63.25
908	17321	11134	55.70
909	44251	35003	66.41
910	20787	14674	60.98
911	27210	18133	57.30
912	22842	15066	57.00
913	28273	19405	59.26
914	59972	46766	65.33
915	20581	16381	67.31
916	27678	21206	65.00
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918	28192	28792	88.08
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920	54551	32995	52.15

921	27730	35351	108.90
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923	37051	23300	54.19
924	16966	10317	52.13
925	16942	10918	55.13
926	33793	23156	58.24
927	38208	24112	53.89
928	65005	43715	57.62
929	24709	17766	62.08
930	40890	26736	56.42
931	24757	18749	64.20
932	16673	10969	56.97
933	16649	9840	50.76
934	56983	36273	54.58
935	28773	20590	60.63
936	55112	38300	59.83
937	28911	21097	61.68
938	21306	23184	93.82
939	49145	33896	58.71
940	22116	14444	56.34
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942	16495	11329	58.97
943	16489	11128	58.05
944	18027	27640	129.00
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946	17769	14642	70.67
947	51110	33082	55.14
948	16327	58966	311.72
949	25326	17244	57.35
950	77800	52138	57.82
951	45734	27151	51.02
952	16218	26634	139.55
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955	37864	25755	58.18
956	25069	16126	55.09
957	16156	11968	63.17
958	36171	23091	54.97
959	38889	38150	81.41
960	21076	14703	60.04
961	16085	11693	62.96
962	63448	48942	66.63
963	95910	63143	56.11
964	16018	11152	60.65
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966	15994	9983	54.03
967	19234	12771	57.35
968	19716	13182	57.94
969	32838	24839	64.44
970	15904	189	0.74
971	15853	10532	57.38
972	45660	30189	56.70
973	29818	28065	77.51
974	27625	18869	58.78
975	15754	27940	152.77
976	15724	13982	76.93
977	21619	14106	56.61
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980	15636	16030	88.05
981	23400	16508	60.68
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984	59271	37035	53.96
985	43505	26793	52.99
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987	53247	41317	62.89
988	15473	10798	60.94

989	18146	13289	62.68
990	25307	17613	58.96
991	15400	10116	55.69
992	29243	17437	51.34
993	15342	9156	51.42
994	33791	21241	53.93
995	15322	127	0.27
996	16471	10321	54.51
997	15287	8641	48.63
998	27517	17804	56.06
999	15277	25180	141.97
1000	45122	35034	65.86
1001	15255	9046	50.37
1002	15221	19508	111.27
1003	40028	35677	76.74
1004	18510	11387	53.08
1005	19565	14213	60.23
1006	20301	19867	83.99
1007	48529	31602	55.81
1008	15153	18195	101.50
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1010	15120	11279	64.61
1011	37701	33669	77.39
1012	28580	18511	54.89
1013	67615	42573	54.09
1014	15082	9124	52.20
1015	17101	18344	93.39
1016	47132	31550	55.95
1017	40547	26501	55.92
1018	45323	33490	63.68
1019	14996	165	0.41
1020	31566	19619	53.32
1021	14933	10519	59.85
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1024	14890	9925	57.76
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1030	30157	29459	77.64
1031	14811	9616	55.41
1032	31079	34978	95.26
1033	61600	41287	57.64
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1050	68262	49963	61.89
1051	68848	46823	58.12
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1053	23352	15328	56.29
1054	18928	12459	56.20
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1069	22382	11303	43.81
1070	14079	225	1.02
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1074	27774	16411	49.74
1075	25657	17618	58.36
1076	13935	9064	55.90
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1082	58033	37718	53.75
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1085	20531	13225	55.64
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1087	13728	16574	103.62
1088	15638	13489	72.05
1089	27371	18177	57.67
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1093	28937	22713	67.07
1094	13617	10554	66.09
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1103	17775	12343	59.79
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1105	27488	19254	60.29
1106	13307	8583	55.57
1107	25236	14564	49.94
1108	21995	16712	64.85
1109	23053	15286	55.40
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1113	20992	14756	60.87
1114	32288	21228	56.43
1115	17816	18923	90.53
1116	13092	10834	71.04
1117	16176	10671	57.29
1118	17539	12310	60.16
1119	55633	38143	59.25
1120	24300	17728	62.88
1121	21339	12467	49.72
1122	12966	8905	59.19
1123	12953	14540	97.51
1124	17743	13622	66.33

1125	35572	25361	60.95
1126	18941	14596	65.80
1127	12873	17513	118.57
1128	21111	13033	52.91
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1130	12738	8102	54.49
1131	12719	8621	58.86
1132	15311	13375	74.69
1133	24656	22853	75.94
1134	12709	7502	51.20
1135	21903	14396	56.31
1136	12661	8476	57.40
1137	13898	7492	46.75
1138	18810	12030	54.50
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1140	28861	16538	49.35
1141	26722	17341	55.80
1142	12548	9969	62.32
1143	12537	9667	66.37
1144	12529	10314	71.05
1145	12516	13940	95.34
1146	12511	7963	54.76
1147	14513	8884	53.00
1148	18713	17424	79.46
1149	12476	9365	61.44
1150	39453	31039	67.51
1151	12467	9158	63.48
1152	56779	45065	68.70
1153	24452	16942	59.79
1154	19734	11939	52.02
1155	15557	10640	58.22
1156	15194	11024	61.58
1157	15553	24274	134.64
1158	13880	10454	65.49
1159	12365	7682	53.66
1160	63277	35120	47.50
1161	12312	7665	53.40
1162	28596	63613	189.10
1163	53820	40418	64.90
1164	12270	8597	60.98
1165	12268	15258	108.04
1166	12246	7139	50.18
1167	18827	15777	67.98
1168	31992	22481	59.80
1169	31804	21316	57.79
1170	23920	15102	54.54
1171	23861	15728	56.67
1172	22957	13959	52.07
1173	12129	8233	58.66
1174	12097	7677	54.14
1175	25566	16604	55.05
1176	12060	15755	113.82
1177	30542	19725	55.97
1178	12029	8650	61.66
1179	12019	9075	64.09
1180	12012	7054	50.77
1181	12010	6889	49.25
1182	37938	27626	62.01
1183	11932	14882	107.72
1184	33542	22725	57.69
1185	21609	18190	70.55
1186	33498	22985	59.47
1187	17743	10792	52.20
1188	14460	9192	54.20
1189	11854	11417	83.84
1190	11851	8013	58.08
1191	13650	8474	53.51
1192	32901	22472	58.64

1193	18783	13029	59.13
1194	11779	8271	60.24
1195	21789	15033	58.71
1196	20760	11134	45.50
1197	18629	16074	73.27
1198	11698	6657	48.91
1199	18900	19425	89.38
1200	21313	15384	61.48
1201	13374	9721	62.14
1202	11639	10904	78.55
1203	16235	10275	54.37
1204	16745	10766	55.54
1205	11581	9845	72.41
1206	11554	7450	56.11
1207	52012	33831	55.40
1208	25564	16219	54.75
1209	11519	11826	78.41
1210	27492	18902	59.58
1211	11495	7747	58.63
1212	14752	8902	51.13
1213	32646	21224	55.67
1214	11405	8143	61.40
1215	11359	10740	74.14
1216	47817	29726	53.48
1217	17792	12556	60.05
1218	11296	9157	67.17
1219	14979	9493	53.95
1220	17756	10040	48.81
1221	11242	13962	106.38
1222	13558	10065	62.19
1223	11141	16058	105.23
1224	17266	11522	57.74
1225	15169	30845	174.22
1226	52077	35706	58.47
1227	20693	15210	62.76
1228	13861	8723	53.49
1229	26683	21064	66.85
1230	17855	11103	52.24
1231	15354	16499	91.72
1232	12928	9288	61.65
1233	11039	10972	85.54
1234	43912	47676	86.11
1235	17602	9449	45.91
1236	11004	6926	53.93
1237	16669	9441	48.63
1238	20297	15269	63.86
1239	12514	14866	96.63
1240	28293	19315	58.10
1241	39606	27851	59.72
1242	10899	6812	54.05
1243	10867	7735	59.32
1244	16740	12159	62.55
1245	10856	13527	106.68
1246	10840	7534	60.40
1247	10802	13002	101.83
1248	10782	6799	53.12
1249	10772	13398	98.17
1250	10749	16619	133.35
1251	10738	8869	71.16
1252	12959	8322	55.48
1253	10702	6509	52.36
1254	10701	6427	51.52
1255	12557	7114	47.90
1256	31820	48270	130.33
1257	10623	6423	52.02
1258	18285	80608	382.55
1259	10583	7942	65.68
1260	10539	7712	62.52

1261	10535	18375	151.81
1262	30906	20499	57.01
1263	10474	5794	48.24
1264	21723	13573	53.42
1265	13674	11199	71.13
1266	10424	7665	62.78
1267	27354	20942	65.06
1268	26981	17502	56.10
1269	22087	15082	58.50
1270	20308	13425	57.26
1271	10346	11198	89.25
1272	32895	20362	52.33
1273	10306	23007	183.73
1274	13214	8051	52.66
1275	23552	18304	66.69
1276	10257	113	0.52
1277	12583	6669	45.65
1278	10246	23672	198.47
1279	10236	7014	59.45
1280	13873	15863	97.46
1281	33531	38072	96.20
1282	39456	31273	64.72
1283	10160	6641	56.75
1284	10155	94	0.34
1285	24565	15669	54.83
1286	10136	7184	61.82
1287	15718	11207	61.35
1288	12930	17153	115.15
1289	10087	6146	52.35
1290	15829	9563	51.66
1291	22848	15240	57.37
1292	15235	32689	186.85
1293	9994	6097	50.83
1294	9943	6937	60.56
1295	9940	7087	61.57
1296	30428	25646	70.65
1297	28124	19104	58.54
1298	20562	18388	75.74
1299	12384	8247	57.35
1300	9875	6453	55.93
1301	9843	186	1.12
1302	18185	12544	58.79
1303	33273	22618	58.12
1304	9805	6897	60.94
1305	23116	20205	74.49
1306	9781	605	2.76
1307	26495	16878	54.24
1308	9769	6113	53.79
1309	14992	9484	53.73
1310	21956	14269	56.09
1311	14562	10406	60.75
1312	20127	14356	61.13
1313	9678	7263	63.37
1314	9668	9100	81.64
1315	9631	6134	53.88
1316	9631	6127	54.50
1317	9624	8283	74.75
1318	9621	16396	142.69
1319	11297	7791	57.49
1320	13424	10680	68.22
1321	26561	15736	50.99
1322	9579	5601	50.59
1323	9519	10398	94.97
1324	18145	22981	106.90
1325	9514	6575	60.22
1326	9496	5365	48.64
1327	9473	7714	69.87
1328	9456	16303	148.00

1329	9446	6789	60.85
1330	17062	12881	63.94
1331	19082	16597	74.11
1332	18250	24658	116.46
1333	12258	7839	53.02
1334	9376	10496	96.61
1335	9351	10755	98.64
1336	14164	9881	59.03
1337	17057	10636	53.46
1338	19255	12325	55.17
1339	20729	12111	50.07
1340	11463	14797	110.32
1341	14354	9602	57.84
1342	35348	25189	60.88
1343	21154	13420	54.60
1344	18172	11447	54.27
1345	9250	13362	122.82
1346	9232	24516	216.82
1347	22525	14813	56.76
1348	15136	11510	62.76
1349	22915	22481	83.64
1350	14304	19241	115.16
1351	15263	9738	55.41
1352	11780	12384	85.90
1353	9983	6895	59.35
1354	23189	15277	55.31
1355	16560	11303	58.20
1356	15034	10521	59.93
1357	9087	9786	92.93
1358	19624	13174	56.55
1359	19296	11690	52.08
1360	13143	7998	52.21
1361	9024	89	0.39
1362	16247	9441	50.35
1363	8976	6380	61.97
1364	12052	8004	57.36
1365	12726	14422	96.37
1366	16356	12268	64.17
1367	8886	13932	134.35
1368	11962	8022	57.77
1369	8856	5169	50.08
1370	8837	13296	127.13
1371	8822	176	1.12
1372	8821	9678	92.97
1373	22580	14403	55.05
1374	18151	11903	55.85
1375	8759	9214	90.37
1376	8756	6135	61.19
1377	8732	74	0.26
1378	19490	13360	58.52
1379	14804	10185	58.92
1380	8694	17399	156.91
1381	8688	7210	71.65
1382	8673	5513	54.61
1383	17256	30700	151.71
1384	8581	6138	61.97
1385	8549	5953	59.91
1386	8539	5752	58.35
1387	8511	8020	79.28
1388	20310	12957	55.38
1389	11740	7636	55.94
1390	8501	176	0.97
1391	8481	6031	61.66
1392	14214	8395	50.82
1393	8468	87	0.34
1394	16089	12117	64.65
1395	11429	6426	46.22
1396	11302	7445	56.25

1397	13966	8469	51.23
1398	8399	10121	102.66
1399	11892	9743	69.67
1400	8364	5324	55.39
1401	8359	5905	60.83
1402	8296	5532	57.21
1403	8268	5665	58.65
1404	8249	6217	63.17
1405	20615	11817	49.70
1406	8248	6653	69.61
1407	8234	5119	53.68
1408	8226	9046	94.29
1409	8223	10900	114.07
1410	14838	21350	120.06
1411	12776	9987	67.70
1412	8167	5518	58.65
1413	16273	9841	51.67
1414	8162	6273	66.97
1415	13869	8232	51.29
1416	8160	6459	66.45
1417	8152	5612	58.94
1418	23065	17787	63.81
1419	8143	8271	86.27
1420	14417	25790	153.27
1421	8138	21065	227.13
1422	16095	9478	50.39
1423	8123	6200	64.89
1424	18917	15959	72.30
1425	8039	8901	95.27
1426	8014	4874	52.29
1427	8007	5584	59.46
1428	10229	6153	51.02
1429	7970	7591	79.25
1430	12738	8983	60.51
1431	7947	5973	64.84
1432	7947	5337	58.74
1433	7945	64	0.24
1434	23746	15024	53.86
1435	25555	22614	74.37
1436	25179	17003	57.44
1437	20633	14824	61.30
1438	7785	5373	59.54
1439	13450	9904	62.04
1440	7754	4836	53.69
1441	7753	4733	52.37
1442	7737	72	0.31
1443	13457	17030	107.76
1444	7718	39	0.15
1445	17908	21869	103.97
1446	13262	7473	48.60
1447	7675	9865	109.87
1448	7664	5597	63.27
1449	10310	6033	49.78
1450	14312	8750	52.11
1451	13857	8364	52.19
1452	7623	10525	118.70
1453	9310	5508	50.66
1454	7577	8499	90.44
1455	7568	4563	52.22
1456	15131	24166	134.79
1457	22365	18719	70.85
1458	15214	18872	104.61
1459	7542	4901	55.85
1460	7509	12202	139.50
1461	14570	7449	44.12
1462	10552	5801	46.49
1463	7490	4636	52.48
1464	7480	4506	51.69

1465	7476	9664	111.70
1466	7470	7656	85.69
1467	7457	40	0.23
1468	12782	8370	55.75
1469	14549	15492	91.06
1470	7415	3993	46.27
1471	22950	19536	72.63
1472	20766	19340	79.86
1473	7391	1220048	14399.82
1474	7368	6701	74.36
1475	7368	9732	114.00
1476	10149	6031	50.78
1477	13231	29855	179.77
1478	12238	19588	138.28
1479	7295	5251	60.65
1480	9361	7792	70.73
1481	20775	20542	85.33
1482	14451	10143	59.24
1483	7253	4671	55.62
1484	7251	163	1.01
1485	7214	69	0.53
1486	23377	22615	80.75
1487	7203	8534	103.05
1488	11128	14425	110.86
1489	7201	71	0.56
1490	7184	7397	87.82
1491	11000	12435	98.00
1492	7109	3646	42.96
1493	7089	11520	140.12
1494	7077	6108	73.79
1495	7064	5787	67.66
1496	23304	25096	91.05
1497	16567	10549	54.77
1498	7026	144	1.15
1499	12392	13150	89.34
1500	7020	5364	65.83
1501	7009	4965	60.21
1502	10702	18811	149.01
1503	22234	14577	56.48
1504	13078	7904	52.15
1505	18268	23174	107.79
1506	16224	9520	49.97
1507	9891	6014	51.22
1508	6851	4185	52.48
1509	8503	5568	56.83
1510	8569	7639	75.73
1511	6830	49	0.20
1512	15519	11346	60.99
1513	6800	9478	113.69
1514	8093	5168	54.44
1515	9002	6466	60.81
1516	11893	7438	54.36
1517	8056	4945	51.71
1518	6717	15708	197.04
1519	6691	4554	59.17
1520	6647	45	0.20
1521	6627	4202	54.56
1522	6613	3917	50.59
1523	6607	4906	64.12
1524	6605	4594	59.87
1525	6570	4173	54.25
1526	11897	8704	63.01
1527	6567	7557	98.71
1528	6556	4783	63.18
1529	14253	10066	60.71
1530	6535	13206	175.31
1531	6531	3997	53.15
1532	6530	53	0.22

1533	18862	14612	65.34
1534	9969	7063	61.24
1535	6511	4214	56.12
1536	11802	15520	113.17
1537	6491	4185	55.61
1538	6471	3641	48.74
1539	6436	6901	91.44
1540	6432	3859	51.78
1541	6415	50	0.36
1542	6407	3890	52.55
1543	36691	30019	69.91
1544	8009	5146	55.22
1545	6368	4346	58.31
1546	7812	9412	101.78
1547	11731	7530	55.52
1548	6341	3617	48.17
1549	10959	9026	68.86
1550	6319	5330	72.37
1551	9107	6006	55.96
1552	10214	7488	63.08
1553	6281	85	0.46
1554	7977	10764	108.37
1555	8612	7027	65.67
1556	6235	3762	51.83
1557	9693	10635	92.74
1558	10127	9033	75.18
1559	6185	4205	58.94
1560	6166	4360	60.20
1561	7795	4951	54.35
1562	17609	11412	55.72
1563	6146	52	0.34
1564	21160	14646	58.87
1565	6117	3995	54.90
1566	6115	7460	106.24
1567	6115	4520	62.48
1568	8336	11732	115.36
1569	6107	62	0.42
1570	6092	110	0.92
1571	9481	11249	98.61
1572	6069	5875	80.57
1573	12581	6683	44.75
1574	7832	5381	55.64
1575	7720	6352	66.64
1576	9718	16162	143.52
1577	6005	131	1.25
1578	6005	522	6.07
1579	6002	3735	54.06
1580	5997	145	1.35
1581	14259	10108	61.09
1582	5973	3916	57.40
1583	5967	3745	50.85
1584	5940	3879	56.60
1585	15695	29156	156.60
1586	9350	8253	76.39
1587	5920	102	0.56
1588	5908	11420	167.16
1589	5894	3802	55.25
1590	5884	4086	60.40
1591	5878	6053	88.96
1592	5866	3719	54.87
1593	5862	74	0.83
1594	7218	6579	77.58
1595	5845	9707	135.56
1596	5845	7290	91.09
1597	21232	14646	58.78
1598	5830	3699	54.62
1599	9843	5585	48.78
1600	5819	3507	52.27

1601	5807	3676	55.09
1602	25026	16676	55.73
1603	5780	6759	100.04
1604	10477	7041	57.51
1605	11421	13815	100.59
1606	13421	10147	64.21
1607	5692	7499	112.85
1608	10089	6931	58.85
1609	5678	4742	71.81
1610	5656	6986	106.69
1611	5644	3895	59.46
1612	7796	5549	61.28
1613	5636	3600	55.37
1614	5604	51	0.39
1615	12605	10606	71.92
1616	5594	3974	60.93
1617	15580	9007	49.03
1618	11544	23420	168.27
1619	8713	19803	193.17
1620	5532	3729	57.33
1621	11899	9934	70.09
1622	5510	4154	64.68
1623	5499	50	0.45
1624	8545	5716	57.28
1625	5490	90	1.06
1626	7647	13010	138.99
1627	7895	5871	63.61
1628	5464	4072	63.28
1629	13465	10043	63.74
1630	5445	6326	100.42
1631	5423	4329	67.89
1632	11348	7181	54.97
1633	5386	3946	62.73
1634	5377	3184	50.81
1635	5361	86	0.95
1636	5347	4009	63.77
1637	5337	3154	50.94
1638	5336	3450	56.04
1639	5330	4364	68.07
1640	7811	9577	104.47
1641	9832	6564	57.07
1642	5297	2927	47.54
1643	11257	14425	108.47
1644	9371	8248	75.50
1645	5281	4155	66.56
1646	5279	3001	47.55
1647	11865	19331	137.14
1648	5267	3334	54.25
1649	10527	20929	162.46
1650	5258	36	0.15
1651	5257	5991	97.49
1652	5253	3934	63.96
1653	5247	3942	64.28
1654	8644	4560	45.12
1655	5211	3349	55.40
1656	5188	2948	49.13
1657	16439	10306	53.67
1658	5179	64	0.59
1659	14629	8998	53.47
1660	5172	5986	95.38
1661	5168	6211	104.44
1662	5167	3971	65.20
1663	5159	3678	59.68
1664	6439	4959	65.55
1665	9445	15157	139.64
1666	5140	6407	106.14
1667	5134	12440	204.65
1668	14127	10319	62.79

1669	5102	3164	51.25
1670	5097	3222	54.43
1671	6400	4171	56.25
1672	9079	5567	53.01
1673	5065	3599	61.71
1674	5059	3875	65.09
1675	5054	5760	98.04
1676	5050	3178	54.86
1677	7972	6747	68.59
1678	8836	8083	78.55
1679	5019	11921	204.54
1680	5019	4622	76.90
1681	4995	8533	145.58
1682	4994	2844	47.82
1683	4972	10209	171.18
1684	4955	3574	61.46
1685	4906	88	0.67
1686	4903	41	0.31
1687	4900	4822	83.96
1688	4889	32	0.16
1689	4889	4460	79.71
1690	12498	8212	55.99
1691	9108	5283	50.04
1692	10177	12245	103.93
1693	4850	7062	122.09
1694	7647	8348	94.44
1695	4839	4923	84.58
1696	4788	4012	66.91
1697	4762	3396	56.25
1698	7289	5679	64.99
1699	4757	5253	91.09
1700	4753	4296	71.07
1701	4733	6178	105.45
1702	7831	5071	55.84
1703	8075	6534	67.93
1704	9955	9278	79.43
1705	4673	58	0.35
1706	4673	3038	56.17
1707	4671	5941	109.86
1708	4648	59	0.57
1709	7213	5404	60.16
1710	4633	4451	80.14
1711	8053	6989	74.28
1712	4575	20	0.18
1713	4574	6217	114.82
1714	9272	11287	97.68
1715	4567	44	0.24
1716	4562	38	0.24
1717	4562	2200	40.39
1718	6981	9843	119.31
1719	4527	2830	54.35
1720	14029	18965	110.21
1721	4514	61	0.65
1722	6454	4257	55.78
1723	4472	3159	61.38
1724	4462	6207	121.16
1725	6720	4162	53.92
1726	4446	302	4.13
1727	4435	2472	47.70
1728	4404	5114	93.64
1729	4400	2691	53.20
1730	4398	3212	64.02
1731	5598	3486	53.17
1732	4357	36	0.34
1733	4352	3649	70.89
1734	11591	10011	72.67
1735	8509	6696	63.28
1736	4321	45	0.52

1737	4320	21	0.15
1738	4315	4585	87.78
1739	4288	4609	91.84
1740	4284	2391	48.09
1741	4279	2568	51.98
1742	6470	3174	42.16
1743	4221	4964	101.03
1744	13676	9275	56.13
1745	4200	4470	88.42
1746	4190	66	0.78
1747	4188	3213	67.67
1748	11053	5880	44.50
1749	9956	11813	97.81
1750	4166	3865	60.09
1751	7096	3104	37.02
1752	6335	3505	46.38
1753	7204	7294	86.34
1754	4131	2608	54.91
1755	4116	2450	50.52
1756	4116	174	3.17
1757	4110	54	0.47
1758	4105	2898	60.92
1759	4086	5151	109.54
1760	4070	5774	119.44
1761	4067	4338	91.20
1762	8283	7616	78.04
1763	4060	7956	162.53
1764	11654	11253	78.35
1765	5555	5426	79.85
1766	10810	10444	82.41
1767	13050	14369	88.61
1768	4013	14183	285.43
1769	3998	5342	114.54
1770	7802	5802	63.37
1771	12758	17162	113.04
1772	5828	4350	64.15
1773	3953	22	0.22
1774	3952	26	0.22
1775	5197	4202	67.81
1776	11471	7892	58.18
1777	3926	51	0.54
1778	3925	2392	52.23
1779	7973	4920	51.78
1780	9966	14131	118.62
1781	6823	6944	78.38
1782	3881	2995	67.32
1783	5607	3313	50.55
1784	7348	5428	63.20
1785	3813	6745	149.33
1786	3813	2267	50.47
1787	9753	7157	60.31
1788	7123	5154	61.27
1789	6445	6449	80.91
1790	6209	5504	75.56
1791	3760	2183	49.53
1792	3746	28	0.28
1793	4958	8090	132.84
1794	3719	4277	98.81
1795	3711	2507	58.46
1796	6829	4671	59.10
1797	3647	3193	75.07
1798	8836	8151	75.78
1799	3634	2503	59.13
1800	6235	4065	56.13
1801	3612	39	0.44
1802	3607	3380	81.02
1803	5698	5180	77.27
1804	3598	2278	55.05

1805	3596	132	2.48
1806	3596	1889	45.09
1807	3587	5280	122.19
1808	9627	5099	45.55
1809	5279	5915	93.95
1810	7142	4706	54.84
1811	6639	9242	113.95
1812	3539	4101	99.83
1813	3512	2542	63.42
1814	3508	7712	177.73
1815	3508	2206	54.06
1816	3504	2761	67.89
1817	3487	43	0.66
1818	7203	5887	70.90
1819	3479	5563	139.48
1820	3477	2231	55.32
1821	3470	38	0.34
1822	3433	2128	54.90
1823	5354	3029	47.23
1824	9045	9493	88.40
1825	5887	7262	104.42
1826	3401	3331	83.73
1827	3393	30	0.24
1828	9006	5351	51.91
1829	3360	1801	44.56
1830	7058	12314	131.49
1831	3352	3384	79.90
1832	3340	2247	58.32
1833	3337	6648	166.71
1834	3333	2523	64.04
1835	3326	52	0.57
1836	3324	10520	262.72
1837	5196	3671	60.97
1838	4814	3913	68.87
1839	3308	1965	50.57
1840	6328	3746	49.63
1841	5506	3788	59.01
1842	3300	1715	44.64
1843	3296	5583	142.04
1844	12839	19089	119.64
1845	5890	3602	52.88
1846	3286	2142	55.11
1847	3272	4080	106.98
1848	7177	7809	93.37
1849	3248	30	0.41
1850	5478	8016	122.73
1851	3224	28	0.38
1852	3224	72	1.22
1853	3195	2550	63.52
1854	3181	41	0.37
1855	3174	36	0.45
1856	3168	30	0.24
1857	3155	1797	48.81
1858	3136	5932	161.32
1859	7269	6932	81.09
1860	3126	37	0.29
1861	3124	14	0.24
1862	8722	5982	58.68
1863	5880	4819	70.94
1864	3089	2341	65.29
1865	7840	5062	52.93
1866	7649	25685	282.68
1867	3048	25	0.20
1868	3043	2635	72.46
1869	3024	4342	121.59
1870	5734	3024	45.33
1871	3006	31	0.45
1872	2990	1833	53.14

1873	2981	2637	69.11
1874	2977	4098	120.08
1875	2968	4904	141.83
1876	5404	6014	93.27
1877	4869	5154	89.41
1878	2943	1704	49.26
1879	2937	81	1.60
1880	2929	17	0.24
1881	2921	1849	51.04
1882	2915	40	0.68
1883	2913	39	0.60
1884	2902	24	0.25
1885	2899	1568	45.08
1886	2895	1940	57.69
1887	5012	9196	153.27
1888	5632	6167	84.08
1889	2860	80	1.56
1890	6210	4093	56.24
1891	5342	3216	51.55
1892	2854	2739	80.38
1893	2849	57	1.39
1894	2848	1434	43.06
1895	2848	40	0.59
1896	2842	2415	73.14
1897	4155	2822	54.47
1898	2825	2470	75.54
1899	2823	32	0.66
1900	2813	2909	88.23
1901	7789	5723	63.01
1902	2801	1261	38.58
1903	4524	3548	64.68
1904	2780	2038	62.77
1905	2775	2922	89.03
1906	2763	6460	186.73
1907	2763	1724	53.98
1908	2755	24	0.47
1909	2753	1704	52.75
1910	2751	40	0.63
1911	2749	1896	53.38
1912	2740	1674	52.18
1913	2733	12883	392.43
1914	5465	6295	94.94
1915	2721	3343	107.91
1916	2719	1830	58.92
1917	2719	1767	55.51
1918	2713	43	0.69
1919	2712	2277	72.96
1920	4170	3943	81.24
1921	2701	2110	55.80
1922	2691	7077	223.59
1923	2679	1595	49.53
1924	6120	4948	68.18
1925	2670	1694	54.82
1926	2664	1528	49.12
1927	2664	1782	55.87
1928	7065	5605	67.16
1929	2659	3464	106.05
1930	2652	1574	50.89
1931	9734	7245	62.63
1932	2646	1699	54.16
1933	2643	1914	62.39
1934	4299	2609	50.18
1935	2631	12	0.25
1936	4276	3722	72.35
1937	2607	5	0.09
1938	4912	5245	86.96
1939	2596	32	0.50
1940	2593	15	0.13

1941	4295	8320	160.96
1942	2578	2216	73.59
1943	2576	4127	136.00
1944	5031	7585	128.61
1945	4728	2349	43.14
1946	2549	1294	43.82
1947	4654	2350	43.19
1948	8436	5705	57.21
1949	2543	20	0.21
1950	2536	2724	91.61
1951	2532	22	0.55
1952	2530	9	0.12
1953	3626	2970	69.43
1954	7447	6759	75.31
1955	8374	9600	96.82
1956	2524	2214	74.85
1957	5259	4968	76.65
1958	2520	10	0.26
1959	2518	8190	261.63
1960	2516	1663	57.62
1961	2510	1629	56.30
1962	2508	30	0.47
1963	2504	6440	218.08
1964	2503	2149	73.07
1965	2499	5690	194.72
1966	2499	30	0.28
1967	2499	1436	47.88
1968	2498	2140	70.29
1969	2479	16	0.12
1970	2478	37	0.84
1971	2432	1570	56.11
1972	2421	1423	51.42
1973	2411	23	0.51
1974	2409	24	0.69
1975	2403	21	0.19
1976	2399	8	0.09
1977	2397	18	0.25
1978	3851	2602	56.32
1979	2389	2543	92.05
1980	2371	1334	48.57
1981	2370	1481	53.49
1982	2366	16	0.32
1983	2341	2043	69.03
1984	2340	1284	48.38
1985	2334	1368	50.35
1986	3812	4752	106.86
1987	2311	1594	59.92
1988	2301	15	0.14
1989	2289	1062	40.77
1990	2277	32	0.57
1991	2277	10	0.14
1992	2274	2541	92.82
1993	4163	2623	54.31
1994	2254	1104	41.93
1995	2245	32	0.66
1996	3983	2810	56.77
1997	4057	3733	78.27
1998	2225	2817	108.68
1999	2220	1719	65.78
2000	2218	1508	57.74
2001	4462	6708	125.26
2002	2215	28	0.39
2003	2211	3821	136.37
2004	2203	22	0.66
2005	2200	18	0.56
2006	2194	21	0.62
2007	3910	1863	40.79
2008	2190	5874	222.07

2009	2185	10	0.15
2010	4322	7478	146.01
2011	2174	1597	63.21
2012	2173	30	0.74
2013	2172	2636	103.73
2014	2160	1292	51.66
2015	2159	3529	132.72
2016	2150	30	0.84
2017	2147	20	0.29
2018	2136	3455	138.55
2019	2127	52	0.97
2020	2127	3551	139.19
2021	2117	69	1.37
2022	2117	13	0.38
2023	2113	952	39.28
2024	4468	3148	59.66
2025	2105	1496	61.68
2026	2098	5786	231.29
2027	4477	3783	68.73
2028	2090	1818	65.60
2029	2088	1869	78.09
2030	2085	10	0.11
2031	2084	37	0.62
2032	2081	1618	60.93
2033	2074	1259	52.86
2034	2055	1404	58.16
2035	2053	5830	239.34
2036	2044	70	2.41
2037	3763	2879	64.69
2038	2038	2317	98.00
2039	2037	1263	53.77
2040	2027	35	1.06
2041	2026	2867	120.01
2042	2016	2823	122.10
2043	2016	50	1.59
2044	2013	3319	142.20
2045	2012	11	0.30
2046	5295	5145	81.55
2047	2007	15	0.21
2048	2007	3235	137.91
2049	2006	2198	92.13
2050	1997	9	0.24
2051	1995	9	0.15
2052	6509	3902	50.63
2053	1986	5868	243.47
2054	1977	1242	51.19
2055	1973	1891	81.37
2056	1973	1424	61.23
2057	1969	1835	75.50
2058	1955	2729	117.99
2059	1952	2930	126.28
2060	1951	1812	74.58
2061	5716	4504	65.88
2062	1948	26	0.54
2063	1946	8	0.13
2064	1939	2768	108.00
2065	1937	18	0.38
2066	1930	1275	58.34
2067	1911	813	36.63
2068	3669	3639	85.37
2069	1900	12	0.35
2070	1900	4769	213.41
2071	1896	1412	63.99
2072	1884	1047	47.44
2073	1880	1562	71.31
2074	1874	2403	111.91
2075	5785	7599	110.97
2076	1866	21	0.50

2077	1865	16	0.38
2078	1853	28	0.94
2079	1852	2362	110.78
2080	1848	25	0.60
2081	1847	1927	88.60
2082	1846	42	1.46
2083	1844	20	0.88
2084	1834	21	0.66
2085	1833	941	43.57
2086	1832	2820	125.52
2087	1828	1715	65.00
2088	1824	4864	184.09
2089	1824	40	1.71
2090	1823	23	0.62
2091	1820	14	0.18
2092	1820	1043	48.85
2093	1818	1085	51.72
2094	1814	1203	58.87
2095	1814	10	0.11
2096	3306	3485	90.73
2097	1809	1101	53.05
2098	1809	1420	67.47
2099	1806	2337	105.54
2100	1805	1320	63.82
2101	1797	1103	53.26
2102	1793	3635	90.05
2103	1792	2115	100.10
2104	1792	957	46.16
2105	1791	48	1.94
2106	1789	1102	53.93
2107	1787	2150	102.80
2108	1786	8	0.14
2109	1780	2213	109.12
2110	1780	2177	90.82
2111	1770	4642	206.20
2112	1769	3	0.04
2113	1754	1791	68.64
2114	1753	19	0.41
2115	1751	6	0.07
2116	1747	882	42.51
2117	1747	5618	238.66
2118	1735	1109	52.99
2119	1724	13	0.41
2120	1716	2231	111.45
2121	1712	1522	75.58
2122	1707	1107	55.13
2123	1704	1232	60.29
2124	1704	874	44.14
2125	1699	2067	100.13
2126	1696	2	0.06
2127	1692	2250	108.86
2128	1691	43	1.35
2129	1690	4	0.09
2130	3914	2134	46.21
2131	1680	2028	102.70
2132	1679	3276	156.72
2133	1656	725	36.07
2134	1652	1189	60.85
2135	1652	21	0.90
2136	1649	1058	53.73
2137	3448	1871	46.77
2138	1646	1365	65.25
2139	1644	1213	55.21
2140	1638	1021	53.29
2141	1636	14	0.51
2142	1632	4479	220.51
2143	1631	15	0.37
2144	1620	15	0.47

2145	1615	742	38.83
2146	1607	17	0.51
2147	1592	1397	73.89
2148	1588	8	0.14
2149	1586	6	0.07
2150	1580	1723	91.67
2151	1567	2158	115.14
2152	3056	3519	96.09
2153	1556	743	40.92
2154	1544	535	31.22
2155	1542	947	52.19
2156	1542	3140	160.28
2157	3207	1449	38.33
2158	1541	856	46.57
2159	1540	28	1.09
2160	2962	6049	154.45
2161	1539	333	14.72
2162	1538	12	0.30
2163	1535	2541	141.22
2164	2796	2273	68.28
2165	1522	842	46.71
2166	1521	719	41.94
2167	1517	738	41.01
2168	1513	1130	55.96
2169	1512	1141	66.26
2170	1509	1174	67.44
2171	1506	1473	86.08
2172	1506	3624	175.67
2173	1503	892	51.89
2174	1503	26	1.33
2175	1499	26	1.04
2176	1495	3992	228.98
2177	1493	2619	135.59
2178	3138	1598	42.24
2179	1488	1100	61.72
2180	1487	28	1.26
2181	1479	13	0.34
2182	1476	850	48.98
2183	1476	754	42.78
2184	1473	4079	212.14
2185	1471	708	42.43
2186	1471	787	46.38
2187	1466	22	0.72
2188	1464	758	43.66
2189	1459	39	1.98
2190	1458	4862	285.41
2191	1454	1579	89.53
2192	1451	1436	82.84
2193	1446	1327	76.64
2194	1437	19	0.73
2195	1437	759	46.83
2196	1436	1151	69.31
2197	1431	11	0.54
2198	1428	9155	466.97
2199	1426	2882	166.14
2200	1424	23	0.84
2201	1422	1292	62.97
2202	1420	13	0.19
2203	1413	969	58.85
2204	1412	1060	62.78
2205	1406	757	46.81
2206	1401	13	0.37
2207	1389	7	0.12
2208	1378	15	0.30
2209	1378	16	0.64
2210	1374	748	44.80
2211	1372	6	0.26
2212	1366	17	0.62

2213	3113	3635	94.22
2214	1359	1120	71.50
2215	1352	668	42.61
2216	1350	3610	214.45
2217	1345	735	46.77
2218	1342	664	42.89
2219	1334	146	2.49
2220	1329	671	43.59
2221	1327	777	50.65
2222	1321	21	0.98
2223	1320	782	47.53
2224	1314	13	0.40
2225	1310	677	43.49
2226	1304	1462	91.78
2227	1295	17	0.75
2228	1293	9	0.32
2229	1291	1266	84.45
2230	1291	1138	73.50
2231	1286	15	0.56
2232	1285	807	54.29
2233	1274	31	1.53
2234	1269	16	0.93
2235	1266	9	0.52
2236	1266	1365	91.75
2237	1265	10	0.28
2238	1265	637	42.71
2239	1263	584	39.92
2240	1261	1422	95.92
2241	1260	706	46.82
2242	1260	561	38.24
2243	1260	16	0.73
2244	1260	656	45.23
2245	1252	622	41.57
2246	1251	915	60.79
2247	1251	10	0.35
2248	1244	582	41.75
2249	1236	2809	172.36
2250	1233	826	57.00
2251	1228	746	50.43
2252	1223	3435	237.04
2253	1223	737	52.74
2254	1219	9	0.28
2255	1215	5166	336.56
2256	1209	1237	87.23
2257	1201	971	66.70
2258	1201	4	0.11
2259	1197	54	3.08
2260	1195	4995	342.41
2261	1195	2873	203.20
2262	1193	2845	197.71
2263	1192	837	61.95
2264	1190	27	1.53
2265	1186	4	0.24
2266	1184	4606	298.99
2267	1182	7	0.36
2268	1181	11	0.24
2269	1176	11	0.53
2270	1176	9	0.47
2271	1172	17	0.63
2272	1167	1126	82.84
2273	1166	604	43.94
2274	1160	17	0.69
2275	1160	9	0.27
2276	1157	5071	336.13
2277	1148	24	1.58
2278	1148	674	49.45
2279	1144	7	0.30
2280	1143	12	0.47

2281	1142	1525	113.90
2282	1140	11	0.62
2283	1139	635	46.56
2284	1129	647	50.01
2285	1129	738	56.58
2286	1127	10	0.43
2287	1123	8	0.14
2288	1120	16	0.60
2289	1120	13	0.54
2290	1120	7	0.34
2291	1119	9	0.55
2292	1118	610	45.98
2293	1111	20	0.92
2294	1110	25	1.20
2295	1108	11	0.38
2296	1107	844	63.48
2297	1105	20	0.71
2298	1102	529	40.41
2299	1100	13	0.85
2300	1100	25	0.94
2301	1093	6	0.24
2302	1091	2464	181.51
2303	1087	4630	343.32
2304	1085	19	1.17
2305	1084	2	0.18
2306	1082	739	57.94
2307	1082	685	55.08
2308	1077	627	49.60
2309	1075	2206	175.57
2310	1074	4	0.08
2311	1073	28	1.86
2312	1071	1318	103.64
2313	1070	2067	150.98
2314	1066	616	50.74
2315	1065	4324	321.14
2316	1063	702	58.06
2317	1062	506	41.27
2318	1056	487	39.71
2319	1051	2324	183.62
2320	1050	8	0.45
2321	1048	15	0.88
2322	1046	0	0.00
2323	1041	1815	142.56
2324	1039	1240	100.23
2325	1038	14	0.86
2326	1037	1	0.08
2327	1036	660	55.52
2328	1036	5	0.30
2329	1034	10	0.71
2330	1033	945	71.89
2331	1026	30	1.02
2332	1023	11	0.31
2333	1021	496	42.28
2334	1021	30	1.65
2335	1020	25	1.59
2336	1017	29	1.04
2337	1017	702	61.68
2338	1016	6	0.19
2339	1015	599	51.00
2340	1012	11	0.68
2341	1011	19	0.82
2342	1011	549	47.31
2343	1010	699	60.14
2344	1008	19	0.61
2345	1008	2380	168.89
2346	1007	2511	210.47
2347	1006	6	0.40
2348	1005	655	55.37

2349	1002	14204	1140.49
2350	1001	772	67.40
2351	1000	4	0.14