

Hospital	Group	Date				Monthly Average (Based on 2018/19)	Standard dev	Hospital	Group	April	May	June
		2017	2018	2019	2020							
Hospital 1	CONS	99	113	102	59	8.958333333	3.495079357	Hospital 1	CONS	5	11	8
	CSS	54	94	72	17	6.916666667	4.009951389		CSS	5	7	6
	GNR-E	163	217	207	61	17.666666667	5.798550544		GNR-E	13	26	20
	GNR-NE	37	64	41	10	4.375	2.128296095		GNR-NE	5	2	5
	NSS	8	13	17	10	1.25	1.360147051		NSS		1	1
	Other	11	11	15	4	1.083333333	1.290994449		Other	1	2	
	Other (GPR)	17	19	18	6	1.541666667	1.286239389		Other (GPR)	2	2	3
	SA	33	63	57	11	5	2.827728316		SA	5	7	4
	Yeasts	9	16	10	4	1.083333333	0.864437822		Yeasts	1		1
	Hospital 2	CONS	182	217	202	121	17.458333333		3.934011855	Hospital 2	CONS	17
CSS		63	80	82	23	6.75	3.273742706	CSS	7		5	13
GNR-E		192	238	259	70	20.708333333	5.287221401	GNR-E	25		19	16
GNR-NE		52	57	47	23	4.333333333	2.31566812	GNR-NE	6		7	8
NSS		38	18	34	10	2.166666667	1.788854382	NSS	2		10	4
Other		13	17	19	4	1.5	1.151657844	Other				
Other (GPR)		43	32	42	7	3.083333333	1.639635873	Other (GPR)	2		5	3
SA		64	62	84	16	6.083333333	3.717370116	SA	8		1	3
Yeasts		10	20	11	2	1.291666667	1.311403912	Yeasts	5			
Hospital 3		CONS	129	173	189	62	15.083333333	5.380453082	Hospital 3		CONS	18
	CSS	63	105	84	19	7.875	4.316928256	CSS		8	4	8
	GNR-E	211	203	190	45	16.375	3.6690539	GNR-E		24	21	27
	GNR-NE	51	89	120	24	8.708333333	5.120115205	GNR-NE		5	7	1
	NSS	27	34	28	13	2.583333333	2.500216441	NSS		2	2	3
	Other	7	15	6	3	0.875	0.960768923	Other			1	1
	Other (GPR)	14	43	19	5	2.583333333	2.322485607	Other (GPR)		1	2	
	SA	43	92	75	33	6.958333333	3.95678234	SA		8	7	6
	Yeasts	41	46	40	15	3.583333333	6.09785401	Yeasts		4	13	2
	Hospital 4	CONS	142	163	170	122	13.875	4.875069676		Hospital 4	CONS	6
CSS		57	96	64	24	6.666666667	3.509445189	CSS	6		7	6
GNR-E		156	179	213	46	16.333333333	4.966554809	GNR-E	23		15	19
GNR-NE		35	52	53	13	4.375	2.873485165	GNR-NE	2		5	4
NSS		11	23	16	8	1.625	1.394538218	NSS	3		1	
Other		9	13	11	5	1	0.730296743	Other	2		2	
Other (GPR)		20	21	48	11	2.875	1.707127914	Other (GPR)	3		2	1
SA		76	63	59	17	5.083333333	2.704117779	SA	9		9	7
Yeasts		6	9	7		0.666666667	1.069044968	Yeasts	4			
Hospital 5		CONS	143	202	192	119	16.416666667	3.90001858	Hospital 5		CONS	16
	CSS	41	96	94	34	7.916666667	3.562078859	CSS		5	2	5
	GNR-E	236	353	320	89	28.041666667	6.265704906	GNR-E		21	22	18
	GNR-NE	51	48	39	11	3.625	2.081230823	GNR-NE		3	6	4
	NSS	21	27	35	12	2.583333333	1.465475707	NSS		1		1
	Other	15	24	24	10	2	1.124643114	Other		1	1	1
	Other (GPR)	28	46	34	6	3.333333333	1.830786349	Other (GPR)		1		3
	SA	38	47	66	21	4.708333333	2.136212957	SA			4	4
	Yeasts	3	7	13	6	0.833333333	1.250454463	Yeasts			1	1
	Across all sites	CONS	695	868	855	483	71.79166667	11.09633377		All	CONS	62
CSS		278	471	396	117	36.125	8.714368445	CSS	31		25	38
GNR-E		958	1190	###	311	99.125	11.96484888	GNR-E	106		103	100
GNR-NE		226	310	300	81	25.41666667	5.149222539	GNR-NE	21		27	22
NSS		105	115	130	53	10.208333333	4.149166146	NSS	8		14	9
Other		55	80	75	26	6.458333333	2.603996371	Other	4		6	2
Other (GPR)		122	161	161	35	13.41666667	4.252024241	Other (GPR)	9		11	10
SA		254	327	341	98	27.833333333	8.154308899	SA	30		28	24
Yeasts		69	98	81	27	7.458333333	5.912250853	Yeasts	14		14	4

	Group	Number of blood cultures	% of total blood cultures
Blood cultures with no growth (N: % of all blood cultures)		109,144	91.27%
Blood cultures with isolate identified (N: % of all blood cultures)	CoNS all	2,855	2.39%
	- CLABSI	2466	2.06%
	- Non-CLABSI	341	0.29%
	- Unknown	48	0.04%
	S.pneumo	78	0.07%
	GNR-E	3,508	2.93%
	GNR-NE	790	0.66%
	Other	1975	1.65%
	S.aureus	988	0.83%
	Yeasts	246	0.21%

2017												2018												2019				
July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August			
11	8	11	16	13	16	7	9	8	9	13	12	6	7	9	5	8	20	11	6	4	8	8	9	12	14			
6	4	8	2	8	8	11	5	3	9	4	4	4	7	9	17	10	11	7	10	3	6	3	3	1	2			
24	19	13	21	17	10	15	10	15	13	12	19	26	22	15	36	15	19	26	15	13	18	14	18	21	14			
6	2	4	6	7		6	9	3	9	3	5	5	5	7	6	4	2	4		6	4	7	4	2	4			
1	1		1		3	1		1			3	2		1	2	3			1	1	2	6	1					
1	1	2	1	2	1						1		1	3	5	1			1	2		2	1	4	2			
3	4		1		2		2	4	1			1	2	1	3	2	3		5			1	1		3			
1	2	3	1	8	2	7	6	2	1	4	4	7	10	2	5	5	10	10	7	2	3	4	6	9	1			
1	1		4		1		3	1		2	3	2	2	2	1				1		3		3		1			
24	20	17	21	18	27	26	17	24	10	16	19	22	15	20	19	16	13	16	13	20	18	21	17	13	18			
7	9	6	6	6	4	5	9	11	8	6	8	1	3	3	7	12	7	8	4	6	9	5	4	15	4			
20	29	23	19	18	23	20	8	26	15	18	19	20	25	19	21	23	24	12	19	17	21	24	12	21	27			
3	4	4	8	7	5	3	5	3	6	5	2	6	1	2	7	7	10	3	1	2	3	4	2	6	5			
3	5	4		6	4	2	1			1	1	3	3	4	2		1	3	2	8	2	4	1	4	1			
3	5	1	2	1	1		1	2	1	1	2	1		6	2	1	3	1	2		1	1	1	2	2			
5	6	4	6	5	7	7	1	5	3	3	1	3	1	2	3	1	2	3	5	4	2	3	4	6	2			
11	11	7	5	6	12	10	5	7	2	2	4	3	3	5	7	7	7	12	4	5	7	13	16	2	9			
1	2	1		1		2	1	4				4	4	2	2	1	1		1	1	1	3	4					
6	25	13	9	12	8	9	26	25	7	9	7	11	14	21	20	14	10	19	19	18	12	11	12	15	16			
2	7	6	6	5	17	12	15	6	11	10	8	1	10	10	5	9	8	6	1	4	13	10	7	4	13			
12	20	28	28	29	22	14	13	18	14	25	13	18	12	19	20	21	16	16	11	12	13	15	17	21	19			
7	1	3	5	10	12	9	3	9	2	18	4	3	14	5	12	7	3	7	18	5	17	7	7	10	5			
3	4	6	1	1	5	4	2	1	3	2	9	1	6	2	3	1		3	10	1	2	3	1	1	3			
		1	3	1		2	2			1	1	1	1	1	3	4			1				1					
4	1		1	1	4	4	4	1	1	2	4	1	10	6	7	1	2	2	3	3	1	2		3				
1	2	9	2	4	4	16	6	4	3	13	10	6	5	3	1	14	11	3	4		6	10	11	6	7			
5	3		11	3		2	23		1	4		11	1	1	1	1	1			2		2			12			
18	14	18	18	15	19	20	14	24	10	11	7	4	13	13	19	16	12	12	17	10	14	9	7	14	20			
4	5	4	12	6	7	16	9	14	7	12	2	9	6	4	8	9		7	4	3	7	9	6	3	6			
17	17	19	19	19	8	12	24	10	14	17	13	14	12	22	10	19	12	13	16	15	15	20	17	19	19			
3	3	2	5	6	5	9	3	4	3	3	3	3	4	13	3	1	3		1	3	5	3	4	4	9			
	1	1	2	1	2		2	2	1	4	1		2	4	3	1	3		1	1		1	1	2	1			
1	1	2	1			2		2		1	1	3	1	1		2			1		1	2		1				
2	1	2	3	1	5	2	3	3	1	2		2			6	1	1	3	5	2	3	7	4	5	5			
7	11	3	17		13	5	4	5	5	8	12	4	2	2	5	8	3	3	6	8		4	6	2	6			
	1		1			2			3	2			1		1			2			1							
10	14	16	14	22	22	17	16	24	13	14	15	17	17	20	14	15	20	12	23	15	18	11	17	11	9			
3	7	4	4	6	5	8	8	3	5	7	6	14	9	8	5	11	12	13	6	3	5	7	5	7	4			
25	38	26	25	31	30	20	28	33	34	36	21	26	27	37	29	39	23	24	25	28	24	27	20	31	24			
7	4	8	2	9	8	2	6	5	3	1	3	10	1	6	3	5	3	3	3	4	1	4	3	1	2			
10	1	2		2	4	2	1		1	2	2	5	4	2	3	2	3	1	3	5		2	3	2	4			
1	1	1	6	1	2	5	2		1	2	1	2	3	2	1	3	1	2	2	2		1	3	2	2			
1	6	3	6	5	3	4	4	4	2	3	3	2	6	5	3	3	7	5	5	1	1	1		7	3			
8	4	7	3	3	5	3	4	2	3	2	8	1	6	4	8	4	2	5	7	7	6	6	4	3	6			
1					2			1		1		1	1	1			2		2		3			1				
69	81	75	78	80	92	79	82	105	49	63	60	60	66	83	77	69	75	70	78	67	70	60	62	65	77			
22	32	28	30	31	41	52	46	37	40	39	28	29	35	34	42	51	38	41	25	19	40	34	25	30	29			
98	123	109	112	114	93	81	83	102	90	108	85	104	98	112	116	117	94	91	86	85	91	100	84	113	103			
26	14	21	26	39	30	29	26	24	23	30	17	27	25	33	31	24	21	17	23	20	30	25	20	23	25			
17	12	13	4	10	18	9	6	4	5	9	16	11	15	13	13	7	7	7	17	16	6	16	7	9	9			
6	8	7	13	5	4	9	5	4	2	5	5	7	6	7	11	14	5	4	6	6	3	6	6	9	6			
15	18	9	17	12	21	17	14	17	8	10	8	9	19	14	22	8	15	18	18	10	7	14	9	18	16			
28	30	29	28	21	36	41	25	20	14	29	38	21	26	16	26	38	33	33	28	22	22	37	43	22	29			
8	7	1	16	4	1	8	27	6	4	9	3	14	9	8	4	4	2	2	5	3	8	5	7	1	13			

2020

September	October	November	December	January	February	March	April
6	6	7					
8	6	14	9	8	14	24	13
6	6	14	9	9	3	1	4
22	16	19	11	31	10	8	12
2	3	4	1	4	4	1	1
1	3	1	1	5	1	2	2
2			1			2	2
1	2	4	1	2	3	1	
6	6	3	2	2	2	4	3
1	1			1	1	1	
18	10	19	19	18	22	31	50
3	8	6	10	4	10	3	6
29	23	27	27	28	12	14	16
4	3	7	7	4	10	4	5
	1	3	5	2	3	4	
2	2	2	1	1			1
4	1	4	4	1	1	1	1
3	2	5	6	4	6	3	3
1							2
18	21	11	17	12	19	15	16
6	2	2	16	8	3	6	
16	22	15	13	20	7	9	9
7	6	15	16	3	8	5	8
1	1	2	1	8		4	1
1	1	1	2	1			2
1	1	2	1				2
4	6	8	10	11	2	14	6
8	4	11	3	5			7
16	17	21	13	11	14	37	60
4	5	5	5	7	5	6	6
18	12	17	32	16	12	12	6
4	6	5	9	1	2	4	6
1	6	1	1	1	1	2	4
1	1	1	3	1	1	2	2
2	3	5	4	6	1	4	
2	6	11	5	2	1	9	5
4							
17	20	23	16	26	23	36	34
11	15	5	13	11	10	5	8
30	43	22	22	28	21	20	20
5	6	3	4	2	3	5	1
5	6	4		6	2	2	2
2	1	5	1	3	1	2	4
2	5	1	3	1	1	1	4
5	4	4	9	4	7	3	7
	2						5
75	74	81	76	75	92	143	173
32	36	32	53	39	31	21	26
115	116	100	105	123	62	63	63
22	24	34	37	14	27	19	21
8	17	11	7	22	7	14	10
7	5	9	8	7	2	6	11
10	12	16	13	12	8	8	7
20	18	34	33	23	18	33	24
14	2	5	16	3	1	7	16

Z. Scores

		2017												2018					
Hospital	Group	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June			
Hospital 1	CONS	-1.1325446	0.5841546	-0.274195	0.5841546	-0.274195	0.5841546	2.01473728	1.15638767	2.01473728	-0.5603116	0.01192152	-0.274195	0.01192152	1.15638767	0.87027113			
	CSS	-0.4779775	0.02078163	-0.2285979	-0.2285979	-0.7273571	0.27016121	-1.2261163	0.27016121	1.01829996	-0.4779775	-0.9767367	0.5195408	-0.9767367	0.5195408	-0.7273571			
	GNR-E	-0.8047988	1.43714076	0.40239941	1.09222698	0.22994252	-0.8047988	0.5748563	-0.1149713	-1.3221695	-0.459885	-1.3221695	-0.459885	-0.8047988	-0.9772567	0.22994252			
	GNR-NE	0.29366215	-1.1159162	0.29366215	0.76352158	-1.1159162	-0.1761973	0.76352158	1.23338102	-2.055635	0.76352158	2.17309989	-0.6460567	2.17309989	-0.6460567	0.29366215			
	NSS	-0.9190183	-0.1838037	-0.1838037	-0.1838037	-0.1838037	-0.9190183	-0.1838037	-0.9190183	1.28662559	-0.1838037	-0.9190183	-0.1838037	-0.9190183	-0.9190183	1.28662559			
	Other	-0.0645497	0.71004695	-0.8391464	-0.0645497	-0.0645497	0.71004695	-0.0645497	0.71004695	-0.0645497	0.71004695	-0.0645497	-0.8391464	-0.8391464	-0.8391464	-0.0645497			
	Other (GPR)	0.35633595	0.35633595	1.1337962	1.1337962	1.91125645	-1.1985846	-0.4211243	-1.1985846	0.35633595	-1.1985846	0.35633595	1.9125645	-0.4211243	-1.1985846	1.1337962			
	SA	0	0.70728153	-0.3536408	-1.4145631	-1.0609223	-0.7072815	-1.4145631	1.0609223	-1.0609223	0.70728153	0.35364076	-1.0609223	-1.4145631	-0.3536408	-0.3536408			
	Yeasts	-0.0964018	-1.253223	-0.0964018	-0.0964018	-0.0964018	-1.253223	3.37406184	-1.253223	-0.0964018	-1.253223	2.21724064	-0.0964018	-1.253223	2.21724064	-0.0964018			
Hospital 2	CONS	-0.1165053	-0.3706988	1.15446187	1.66284874	0.64607499	-0.1165053	0.90026843	0.13768811	2.42542906	2.17123562	-0.1165053	1.66284874	-1.8958594	-0.3706988	0.39188155			
	CSS	0.07636519	-0.5345564	1.90912987	0.07636519	0.68728675	-0.2290956	-0.2290956	-0.2290956	-0.8400171	-0.5345564	0.68728675	1.29820831	0.38182597	-0.2290956	0.38182597			
	GNR-E	0.8117055	-0.3231061	-0.8905119	-0.1339708	1.56824654	0.43343497	-0.3231061	-0.5122413	0.43343497	-0.1339708	-2.4035939	1.00084076	-1.0796471	-0.5122413	-0.3231061			
	GNR-NE	0.71973469	1.1515755	1.58341631	-0.5757877	-0.1439469	-0.1439469	1.58341631	1.1515755	0.28789387	-0.5757877	0.28789387	-0.5757877	0.71973469	0.28789387	-1.0076286			
	NSS	-0.0931695	4.37896646	1.02486449	0.4658475	1.58388148	1.02486449	-1.2112035	2.14289848	-0.42486449	-0.0931695	-0.6521865	-1.2112035	-1.2112035	-0.6521865	-0.6521865			
	Other	-1.3024702	-1.3024702	-1.3024702	1.30247018	3.03909709	-0.4341567	0.43415673	-0.4341567	-0.4341567	-1.3024702	-0.4341567	0.43415673	-0.4341567	-0.4341567	0.43415673			
	Other (GPR)	-0.6607158	1.16895873	-0.0508243	1.16895873	1.77885024	0.55906722	1.77885024	1.16895873	3.28874175	2.38874175	-1.2706073	1.6895873	-0.0508243	-0.0508243	-1.2706073			
	SA	0.51559748	-1.3674542	-0.8294394	1.32261962	1.32261962	0.2465901	-0.2914247	-0.0224173	1.59162701	1.05361224	-0.2914247	0.2465901	-1.0984468	-1.0984468	-0.560432			
	Yeasts	2.82775833	-0.9849495	-0.9849495	-0.222408	0.54013361	-0.222408	-0.9849495	-0.222408	-0.9849495	0.54013361	-0.222408	2.06521676	-0.9849495	-0.9849495	-0.9849495			
Hospital 3	CONS	0.5420857	-0.3872041	1.84309137	-1.6882097	-1.6882097	1.84309137	-0.3872041	-1.1306359	-0.573062	-1.1306359	2.02894933	1.84309137	-1.1306359	-1.1306359	-1.1306359			
	CSS	0.02895577	-0.897629	0.02895577	-1.3609214	-0.2026904	-0.4343366	-0.6658828	2.11377152	0.95554055	1.65047913	-0.443366	0.72389436	0.49224816	0.02895577	0.02895577			
	GNR-E	2.07819242	1.26054294	2.8958419	-1.1924055	0.98799312	3.16839172	3.4094155	1.53309277	-0.6473058	-0.44289347	-0.44289347	-0.6473058	2.35074224	-0.6473058	-0.44289347			
	GNR-NE	-0.7242676	-0.3336513	-1.5055	-0.3336513	-1.5055	-1.1148836	-0.7242676	-0.2252797	0.64288918	0.05696486	-1.1148836	0.05696486	-1.301919	1.81473781	-0.9195757			
	NSS	-0.2333131	-0.2333131	0.16665224	0.16665224	0.56661761	1.36654836	-0.6332785	-0.6332785	0.96658298	0.56661761	-0.2333131	-0.6332785	0.16665224	-0.2333131	2.56644447			
	Other	-0.9107289	0.13010412	0.13010412	-0.9107289	-0.9107289	0.13010412	2.21177012	0.13010412	-0.9107289	1.17093712	1.17093712	-0.9107289	-0.9107289	0.13010412	-0.9107289			
	Other (GPR)	-0.6817409	-0.2511677	-1.112314	0.60997866	-0.6817409	-1.112314	-0.6817409	-0.6817409	0.60997866	0.60997866	0.60997866	-0.6817409	-0.6817409	-0.2511677	0.60997866			
	SA	0.26326105	0.01053044	-0.2422002	-1.5058532	-1.2531226	-1.5058532	-0.7476614	-0.7476614	2.2851059	-0.2422002	-0.7476614	2.2851059	-1.000392	1.52691408	0.76872226			
	Yeasts	0.06833005	1.54425912	-0.2596542	0.23232217	-0.0956621	-0.8671684	1.21627488	-0.0956621	-0.5876384	-0.2596542	3.18418031	-0.5876384	-0.4236463	0.06833005	-0.4236463			
Hospital 4	CONS	-1.6153615	1.2563923	0.02564066	0.84614175	0.02564066	0.84614175	0.2076593	1.2563923	0.02564066	0.02564066	1.2563923	0.02564066	0.02564066	-1.6153615	-1.6153615			
	CSS	-0.1899636	0.09498178	-0.1899636	-0.7598542	-0.4749089	-0.7598542	1.5197084	-0.1899636	0.09498178	2.6594897	0.66847243	2.08959905	0.09498178	1.5197084	-1.3297449			
	GNR-E	1.34231211	-0.2684624	0.53692484	0.13423121	0.13423121	0.53692484	0.53692484	0.53692484	-1.6778901	-0.8725029	1.54365893	-1.2751965	-0.4698092	0.13423121	-0.6711561			
	GNR-NE	-0.8265225	0.21750591	-0.1305035	-0.478513	-0.478513	-0.8265225	0.21750591	0.56551536	0.21750591	1.60954372	-0.478513	-0.1305035	-0.478513	-0.478513	-0.478513			
	NSS	0.98598947	-0.448177	-1.1652603	-1.1652603	-0.448177	-0.448177	0.26890622	-0.448177	0.26890622	-1.1652603	0.26890622	0.26890622	-0.448177	1.70307272	-0.448177			
	Other	1.36930639	1.36930639	-1.3693064	0	0	1.36930639	0	-1.3693064	1.36930639	-1.3693064	1.36930639	-1.3693064	0	0	0			
	Other (GPR)	0.0732224	-0.5125568	-1.098336	-0.5125568	-1.098336	-0.5125568	0.0732224	-1.098336	1.24478077	-0.5125568	0.0732224	-1.098336	-0.5125568	-1.6841152	-1.6841152			
	SA	1.44840831	1.44840831	0.70879556	0.70879556	2.18802107	-0.77043	4.40685933	-1.8798491	2.92763382	-0.0308172	-0.0308172	-0.0308172	-0.0308172	1.07860193	2.5578274			
	Yeasts	3.11804782	-0.6236096	-0.6236096	-0.6236096	0.31180478	-0.6236096	0.31180478	-0.6236096	-0.6236096	1.24721913	-0.6236096	-0.6236096	2.18263348	1.24721913	-0.6236096			
Hospital 5	CONS	-0.1068371	0.40598097	-1.3888823	-1.6452913	-0.6196552	-0.1068371	-0.6196552	1.43161711	1.43161711	0.14957194	-0.1068371	1.94443518	-0.8760642	-0.6196552	-0.3632461			
	CSS	-0.8188102	-1.6610151	-0.8188102	-1.3802801	-0.2573404	-1.0995452	-0.5380753	-0.8188102	0.02339458	0.02339458	-1.3802801	-0.8188102	-0.2573404	-0.5380753	-0.5380753			
	GNR-E	-1.1238427	-0.9642437	-1.6026396	-0.4854468	1.58933966	-0.3258479	-0.4854468	0.47214693	0.31254797	-1.2834417	-0.00665	0.79134485	0.95094382	1.27014174	-1.1238427			
	GNR-NE	-0.3003031	1.14115166	0.18018184	1.														

July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April
-0.8464281	-0.5603116	0.01192152	-1.1325446	-0.274195	3.15920342	0.5841546	-0.8464281	-1.4186612	-0.274195	-0.274195	0.01192152	0.87027113	1.4425042	-0.8464281	-0.8464281	-0.5603116	0.5841546	-0.274195	1.4425042	4.30366957	1.15638767
-0.7273571	0.02078163	0.5195408	2.51457745	0.76892038	0.10829966	0.02078163	0.76892038	-0.9767367	-0.2285979	-0.9767367	-0.9767367	-1.4754959	-1.2261163	0.27016121	-0.2285979	1.7664387	0.5195408	0.5195408	-0.9767367	-1.4754959	-0.7273571
1.43714076	0.7473132	-0.459885	3.16170967	-0.459885	0.22994252	1.43714076	-0.459885	-0.8047988	0.05748563	0.05748563	0.6323419	0.05748563	-0.6323419	0.7473132	-0.2874282	0.22994252	1.43714076	2.29942522	-1.3221695	-1.6670833	-0.9772557
0.29366215	0.29366215	1.23338102	0.76352158	-0.1761973	-0.1761973	-0.1761973	-0.1761973	-0.2056355	-0.1761973	-0.1761973	1.23338102	-0.1761973	-0.1761973	-0.1761973	-0.6460567	-0.1761973	-0.1761973	-0.1761973	-0.1761973	-0.1761973	-1.5857756
0.55141097	-0.9190183	-0.1838037	0.55141097	1.28662559	-0.9190183	-0.9190183	-0.1838037	-0.1838037	0.55141097	3.49226945	-0.1838037	-0.9190183	-0.9190183	-0.1838037	1.28662559	-0.1838037	-0.1838037	2.75705483	-0.1838037	0.55141097	0.55141097
-0.8391464	-0.0645497	1.48464362	-0.8391464	3.03383695	-0.0645497	-0.8391464	-0.0645497	0.71004695	-0.8391464	0.71004695	-0.0645497	2.25924029	0.71004695	0.71004695	-0.8391464	-0.8391464	-0.0645497	-0.8391464	-0.0645497	-0.8391464	0.71004695
-0.4211243	0.35633595	-0.4211243	1.1337962	0.35633595	1.1337962	2.68871671	-1.1985846	-1.1985846	-1.1985846	-0.4211243	-0.4211243	-1.1985846	1.1337962	-0.4211243	0.35633595	1.91125645	-0.4211243	0.35633595	1.1337962	-0.4211243	-1.1985846
0.70728153	1.76820382	-1.0609223	0	0	1.76820382	1.76820382	0.70728153	-1.0609223	-0.70728153	-0.35364076	0.35364076	1.41456305	-1.4145631	0.35364076	-1.7682038	0.35364076	-0.70728153	-1.0609223	-1.0609223	-0.3536408	-0.70728153
1.06041944	1.06041944	1.06041944	-0.0964018	-1.253223	-1.253223	-1.253223	-0.0964018	-1.253223	2.21724064	-1.253223	2.21724064	-1.253223	-0.0964018	-1.253223	-0.0964018	-1.253223	-0.0964018	-1.253223	-0.0964018	-0.0964018	1.06041944
1.5446187	-0.6248922	0.64607499	0.39188155	-0.3706988	-1.1332791	-0.3706988	-1.1332791	0.64607499	0.13768811	0.90026684	-0.1165503	-1.1332791	0.13768811	0.13768811	-1.8958594	0.39188155	0.39188155	1.5446187	1.5446187	3.44220281	8.27187814
-1.7563995	-1.1454779	-1.1454779	0.07636519	1.60366909	0.07636519	0.38182597	-0.8400171	-0.2290956	0.68728675	-0.5345564	-0.8400171	2.52005143	-0.8400171	-1.1454779	0.38182597	-0.2290956	0.99274753	-0.8400171	0.99274753	-1.1454779	-0.2290956
-0.1339708	0.8117055	-0.3231061	0.05516445	0.43343497	0.62257023	-1.6470529	-0.3231061	-0.7013766	0.05516445	0.62257023	-1.6470529	0.05516445	1.18997602	1.56824654	0.43343497	1.18997602	1.18997602	1.37911128	-1.6470529	-1.2687824	-0.8905119
0.71973469	-1.4394694	-1.0076286	1.1515755	1.1515755	2.44709793	-0.5757877	-1.4394694	-1.0076286	-0.5757877	-0.1439469	-1.0076286	0.71973469	0.28789387	-0.1439469	-0.5757877	1.1515755	1.1515755	-0.1439469	2.44709793	-0.1439469	0.28789387
0.4658475	0.4658475	1.02486449	-0.931695	-1.2112035	-0.6521865	0.4658475	-0.931695	3.26093247	-0.931695	1.02486449	-0.6521865	1.02486449	-0.6521865	1.02486449	-0.6521865	0.4658475	1.58388148	-0.931695	0.4658475	1.02486449	-0.6521865
-0.4341567	-1.3024702	-1.3024702	3.90741054	0.43415673	-0.4341567	1.30247018	-0.4341567	0.43415673	-1.3024702	-0.4341567	0.43415673	0.43415673	0.43415673	0.43415673	0.43415673	0.43415673	0.43415673	0.43415673	-1.3024702	-0.4341567	-0.4341567
-0.0508243	-1.2706073	-0.6607158	-0.0508243	-1.2706073	-0.6607158	-0.0508243	-1.2706073	1.16895673	0.55906722	-0.6607158	-0.0508243	1.77885024	-0.6607158	0.55906722	-1.2706073	0.55906722	0.55906722	-1.2706073	-1.2706073	-1.2706073	-1.2706073
-0.8294394	-0.8294394	-0.2914247	0.2465901	0.2465901	0.2465901	1.59162701	-0.560432	-0.2914247	0.2465901	1.86063439	2.66765653	-1.0984468	0.78460486	-0.8294394	-1.0984468	-0.2914247	-0.2914247	-0.2914247	-0.2914247	-0.8294394	-0.8294394
-0.9849495	2.06521676	2.06521676	0.54013361	0.54013361	-0.222408	-0.222408	-0.9849495	-0.222408	-0.222408	1.30267518	2.06521676	-0.9849495	-0.9849495	-0.222408	-0.9849495	-0.9849495	-0.9849495	-0.9849495	-0.9849495	-0.9849495	0.54013361
-0.75892	-0.2013461	1.09965956	0.91380161	-0.2013461	-0.9447779	0.72794365	0.72794365	0.5420857	-0.573062	-0.75892	-0.573062	-0.0154882	0.17036979	0.5420857	1.09965956	-0.75892	0.35622774	-0.573062	0.72794365	-0.0154882	0.17036979
-1.5925676	0.49224816	0.49224816	-0.6658928	0.26060197	0.02895577	-0.4343366	-1.5925676	-0.897629	-1.18718674	0.49224816	-0.2026904	-0.897629	1.18718674	-0.4343366	-1.3609214	-1.3609214	1.88212533	0.02895577	-1.1292752	-0.4343366	-1.3609214
0.44289347	-1.1924055	0.71544329	0.98799312	1.26054294	-1.022062	-1.022062	-1.1924055	-0.9198557	-0.374756	0.17034364	1.26054294	-0.9198557	1.18718674	-0.4343366	-1.3609214	1.88212533	0.02895577	-1.1292752	-0.4343366	-1.3609214	-1.3609214
-1.1148838	1.033054039	-0.7242676	0.64289918	-0.3366513	-1.1148838	-0.3366513	1.81473781	-0.7242676	1.61942971	0.1366513	-0.3366513	0.25227297	-0.7242676	-0.3366513	-0.5289595	1.2288135	1.4241216	-1.1148838	-1.383432	-0.7242676	-1.383432
-0.6332785	1.36654896	-0.2333131	0.16665224	0.6332785	-0.2333131	0.16665224	2.96640985	-0.6332785	-0.6332785	-0.6332785	-0.6332785	-0.6332785	-0.6332785	-0.6332785	-0.6332785	-0.2333131	-0.2333131	-0.2333131	-0.2333131	-0.6332785	-0.6332785
0.13010412	0.13010412	0.13010412	2.21177012	3.25260312	-0.9107289	-0.9107289	0.13010412	-0.9107289	-0.9107289	-0.9107289	-0.9107289	0.13010412	-0.9107289	-0.9107289	-0.9107289	0.13010412	0.13010412	1.7093712	0.13010412	-0.9107289	-0.9107289
-0.6817409	3.19341771	1.47112501	1.90169819	-0.6817409	-0.2511677	-0.2511677	0.17940549	0.17940549	-0.6817409	-0.2511677	-1.112314	-1.112314	0.17940549	-0.6817409	-0.6817409	-0.2511677	-0.6817409	-0.2511677	-0.6817409	-0.2511677	-0.2511677
-0.2422002	-0.4949308	-1.000392	-1.5058532	1.77964469	1.02145287	-1.000392	-0.7476614	-1.7585838	-0.2422002	0.76872226	1.02145287	-0.2422002	0.01055044	-0.7476614	-0.2422002	0.01055044	0.76872226	1.02145287	-1.000392	-0.4949308	-0.2422002
1.21627488	-0.4236463	-0.4236463	-0.4236463	-0.4236463	-0.4236463	-0.4236463	-0.4236463	-0.5876384	-0.2956452	-0.5876384	-0.2956452	-0.5876384	1.380267	0.72429853	-0.5876384	0.06833005	1.21627488	-0.0956621	-0.5876384	0.2323217	0.5603641
-2.0256121	-0.1794846	-0.1794846	1.05126703	0.43589121	-0.3846099	-0.3846099	0.64101648	-0.7948604	0.02564066	-0.9998957	-1.6607158	0.02564066	1.2563923	0.43589121	0.64101648	1.46151757	-0.1794846	-0.5897352	0.02564066	4.74352195	9.46140323
0.66487243	-0.1899636	-0.7598542	0.3799271	0.66487243	-1.8996355	0.09498178	-0.7598542	-1.0447995	0.09498178	0.66487243	-0.1899636	-1.0447995	-0.1899636	-0.4749089	-0.4749089	-0.4749089	0.09498178	-0.4749089	-0.4749089	-0.1899636	-0.1899636
-0.4698092	-0.8725029	1.14096529	-1.2751965	0.53692484	-0.8725029	-0.6711561	-0.0671156	-0.2684624	0.73827166	0.13423121	0.53692484	0.53692484	0.33557803	-0.8725029	0.13423121	3.15443346	-0.0671156	-0.8725029	-0.8725029	-0.2684624	-0.2684624
-0.478513	-0.1305035	3.00158153	-0.478513	-1.1745319	-0.478513	-1.5225414	-1.1745319	-0.478513	0.21750591	-0.478513	-0.1305035	-0.1305035	1.60954372	-0.1305035	0.56551536	0.21750591	1.60954372	-1.1745319	-0.8265225	-0.1305035	0.56551536
-1.1652603	0.26890622	1.70307272	0.98598947	-0.448177	0.98598947	-1.1652603	-0.448177	-0.448177	-1.1652603	-0.448177	-0.448177	-0.448177	-0.448177	-0.448177	3.13723923	-0.448177	-0.448177	-0.448177	-0.448177	0.26890622	1.70307272
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-0.5125568	-1.6841152	-1.6841152	1.83055996	-1.098336	-1.098336	0.732224	1.24478077	-0.5125568	0.732224	2.41633914	0.65900158	1.24478077	1.24478077	-0.5125568	0.732224	1.24478077	0.65900158	1.83055996	-1.098336	0.65900158	-1.6841152
-0.4006236	-1.1402363	-1.1402363	-0.0308172	1.07860193	-0.77043	-0.77043	0.33898918	1.07860193	-1.879491	-0.4006236	0.33898918	-1.1402363	0.33898918	-1.1402363	0.33898918	2.1880217	-0.0308172	-1.1402363	-1.5100427	1.44840831	-0.0308172
-0.6236096	0.31180478	-0.6236096	-0.6236096	0.31180478	-0.6236096	-0.6236096	1.24721913	-0.6236096	0.31180478	-0.6236096	-0.6236096	-0.6236096	-0.6236096	3.11804782	-0.6236096	-0.6236096	-0.6236096	-0.6236096	-0.6236096	-0.6236096	-0.6236096
0.14957194	0.14957194	0.91879904	-0.6196552	-0.3632461	0.91879904	-1.1324732	1.68802615	-0.3632461	0.40598097	-1.3888823	0.14957194	-1.3888823	-1.9017003	0.14957194	0.91879904	1.68802615	-1.068371	2.45725325	1.68802615	5.0213436	4.50852553
1.70780423	0.30412952	0.02339458	-0.8188102	0.8655994	1.14633434	1.42706929	-0.5380753	-1.3802801	-0.8188102	-0.2573404	-0.8188102	-0.2573404	-1.0995452	0.8655994	1.98853917	-0.8188102	1.42706929	0.8655994	0.58486446	-0.8188102	0.02339458
-0.3258479	-0.1662489	1.4297407	1.05299401	1.74893863	-0.80464																