Time	V1	V2	V3	V4	V5	V6	V7
0	-1.3598071	-0.0727812	2.53634674	1.37815522	-0.3383208	0.46238778	0.23959855
0	1.19185711	0.26615071	0.16648011	0.44815408	0.06001765	-0.0823608	-0.078803
1	-1.3583541	-1.3401631	1.77320934	0.37977959	-0.5031981	1.80049938	0.79146096
1	-0.9662717	-0.185226	1.79299334	-0.8632913	-0.0103089	1.24720317	0.23760894
2	-1.1582331	0.87773675	1.54871785	0.40303393	-0.4071934	0.09592146	0.59294075
2	-0.4259659	0.96052304	1.14110934	-0.1682521	0.42098688	-0.0297276	0.47620095
4	1.22965763	0.14100351	0.04537077	1.20261274	0.19188099	0.27270812	-0.005159
7	-0.6442694	1.41796355	1.07438038	-0.492199	0.94893409	0.42811846	1.12063136
7	-0.8942861	0.2861572	-0.1131922	-0.2715261	2.66959866	3.72181806	0.37014513
9	-0.3382618	1.11959338	1.04436655	-0.2221873	0.49936081	-0.2467611	0.65158321
10	1.44904378	-1.1763388	0.91385983	-1.3756667	-1.9713832	-0.6291521	-1.4232356
10	0.38497822	0.61610946	-0.8742997	-0.0940186	2.92458438	3.31702717	0.47045467
10	1.24999874	-1.2216368	0.38393015	-1.2348987	-1.4854195	-0.7532302	-0.689405
11	1.06937359	0.28772213	0.82861273	2.71252043	-0.178398	0.33754373	-0.0967169
12	-2.7918548	-0.3277708	1.64175016	1.76747274	-0.1365884	0.80759647	-0.4229114
12	-0.752417	0.34548542	2.05732291	-1.4686433	-1.1583937	-0.0778498	-0.6085814
12	1.10321544	-0.0402962	1.26733209	1.28909147	-0.7359972	0.28806916	-0.5860568
13	-0.4369051	0.91896621	0.92459077	-0.7272191	0.91567872	-0.1278674	0.70764161
14	-5.4012577	-5.4501478	1.18630463	1.7362388	3.04910588	-1.7634056	-1.5597377
15	1.49293598	-1.0293457	0.45479473	-1.4380259	-1.5554341	-0.7209611	-1.0806641
16	0.69488478	-1.3618191	1.02922104	0.8341593	-1.1912088	1.30910882	-0.8785859
17	0.96249607	0.32846103	-0.1714791	2.10920407	1.12956557	1.69603769	0.10771161
18	1.16661638	0.50212009	-0.0673003	2.26156924	0.42880419	0.08947352	0.24114658
18	0.24749113	0.27766563	1.18547084	-0.0926025	-1.314394	-0.150116	-0.946365
22	-1.9465251	-0.0449005	-0.4055701	-1.0130573	2.9419677	2.9550534	-0.0630631
22	-2.0742947	-0.1214818	1.32202063	0.41000751	0.29519755	-0.9595372	0.54398549
23	1.17328461	0.35349788	0.28390507	1.13356332	-0.1725772	-0.9160537	0.36902485
23	1.32270727	-0.1740408	0.43455503	0.57603765	-0.836758	-0.8310834	-0.264905
23	-0.4142888	0.90543732	1.72745294	1.47347127	0.00744274	-0.2003307	0.74022832
23	1.05938712	-0.1753192	1.26612964	1.18610995	-0.7860018	0.57843528	-0.7670843
24	1.23742903	0.06104258	0.38052588	0.76156411	-0.3597707	-0.4940841	0.00649422
25	1.1140086	0.08554609	0.49370249	1.33575999	-0.3001886	-0.0107538	-0.11876
26	-0.5299123	0.87389158	1.34724733	0.14545668	0.41420886	0.10022309	0.71120608
26	-0.5299123	0.87389158	1.34724733	0.14545668	0.41420886	0.10022309	0.71120608
26	-0.5353878	0.86526781	1.35107629	0.14757547	0.43368021	0.08698294	0.69303931
26	-0.5353878	0.86526781	1.35107629	0.14757547	0.43368021	0.08698294	0.69303931
27	-0.2460459	0.4732669	1.69573755	0.26241149	-0.0108664	-0.6108359	0.79393655
27	-1.4521873	1.76512374	0.61166854	1.17682498	-0.4459799	0.24682645	-0.2575662
29	0.99636953	-0.1225888	0.54681947	0.70657954	0.13455956	1.15699511	-0.2945613
29	1.11088034	0.16871677	0.51714396	1.32540692	-0.1915734	0.01950372	-0.0318491
32	1.24905472	-0.6247271	-0.7105889	-0.9916004	1.42997319	3.69297702	-1.0902086
32	-2.0088718	2.1985265	0.14424174	1.15943226	-0.8151743	0.18228827	-0.6171083
33	-0.6078771	1.03134508	1.74044974	1.23210555	0.41859226	0.11916812	0.85089267
33	-0.9357315	0.17041577	2.74626127	-1.0779649	-0.305594	0.01157704	-0.2961785
34	-0.7622557	0.12776775	2.65005639	-1.8756628	-0.8933564	-0.2687149	-0.4198636

34	1.13831557	0.05695597	0.64941896	0.87306204	-0.4684663	-0.4101946	-0.0138976
34	-0.2915402	0.44557531	1.24975212	-1.7357359	0.08575556	-0.1219243	0.40771586
34	0.20168589	0.49748322	1.37391257	0.57140532	-0.6306578	-0.5396591	-0.0762703
35	1.38639697	-0.7942095	0.77822419	-0.8647084	-1.0641323	0.35129617	-1.1914546
35	-1.0632357	1.41819063	1.08667286	1.2414396	0.00230613	0.04590158	0.5141209
35	1.19935593	0.12995315	0.86358497	1.00263477	-0.783761	-0.884679	-0.0407433
36	-1.0049293	-0.9859777	-0.0380388	3.71006136	-6.6319508	5.12210258	4.37169126
36	-1.1694225	1.15831387	1.40679954	0.8601889	-0.1038099	0.12203478	0.26445138
36	1.09552461	-0.1160853	1.39791192	1.4975469	-1.049124	0.07283853	-0.7238021
37	1.29566762	0.34148345	0.0815052	0.56674607	-0.1104588	-0.7663248	0.0731549
38	0.15833178	0.87268744	0.96552458	1.80212716	0.13902198	0.1108631	0.55907919
39	-0.5540646	0.2157283	0.84426463	-0.7530673	0.03484847	-0.5585972	1.09040096
39	-1.3308816	0.26754023	-0.1684696	-0.7012321	3.28197153	3.21638962	-0.0593944
40	1.110692	0.0819419	0.40606304	1.29074038	-0.1698131	0.12095538	-0.0808452
41	1.15431212	0.26546232	0.38487052	0.57500704	-0.2174755	-0.3915196	-0.081489
41	0.98606333	-0.2029646	-0.4927681	0.40769127	0.30566026	-0.2305292	0.58502809
41	1.13875934	-1.1929528	1.40713084	-0.3300701	-2.0695035	-0.2421754	-1.3066351
41	1.14552439	0.57506797	0.19400846	2.59819174	-0.09221	-1.0444296	0.53158759
42	-0.2493613	0.39922737	0.06800933	-1.0606188	2.41039917	3.73657392	0.31644608
42	-0.5226663	1.009923	0.27646959	1.47528946	-0.7070126	0.35524255	1.55984879
44	-0.8999924	0.13625478	1.88366471	-0.2089961	1.05144062	1.90524134	0.24142325
44	-0.714764	0.51496859	1.82167563	0.61643363	0.84877561	-0.1119381	1.50561708
44	-0.9488964	0.24841362	2.95691425	2.81374999	0.1455388	-0.027353	0.13370163
44	0.92706025	-0.323684	0.38758483	0.54447399	0.24678739	1.6503578	-0.427576
46	-1.9232132	-0.8704823	2.32016963	1.9887758	0.41709079	-0.3800137	0.47213927
46	1.00658858	-0.0711054	0.34761371	1.32968405	-0.1932395	0.15541822	0.00857355
46	-0.3782446	0.73292547	-0.1201542	0.18575507	2.59426949	3.79718265	0.05908796
47	1.1978386	0.23682762	0.509605	0.65765866	-0.3654878	-0.7451011	0.07949745
48	-0.580629	0.48268393	1.33312308	-0.25308	-0.0284689	-0.5191657	0.50324946
48	-1.7934062	1.85460399	0.97951398	1.11226153	-0.206403	-0.1995457	0.6166424
49	1.09860835	0.20242356	0.52545597	1.32343627	-0.1304864	0.03992431	0.02837942
49	-0.5496261	0.41894915	1.72983325	0.20306537	-0.1870124	0.25387755	0.50089378
49	0.92154368	-0.0670838	0.07746103	0.95363822	0.06741246	0.01615246	0.32045156
50	-0.5715207	1.07160045	1.28011025	0.54278	0.57443899	-0.2593593	1.06114842
50	-0.6717085	0.59450259	0.21641594	-0.8673106	2.9669083	3.63249487	0.56329507
51	1.25987314	0.25423958	0.51478863	0.6209243	-0.4759301	-0.9922858	0.06641651
52	1.14736893	0.05903464	0.26363234	1.21102346	-0.0440956	0.3010665	-0.1329599
52	-3.0052367	2.6001382	1.48369074	-2.418473	0.30632641	-0.8245745	2.06542564
53	-1.1989677	-1.4741005	1.84032599	-4.5158244	0.32756743	-0.1744693	0.95972571
54	1.20239833	0.32171139	0.28121089	0.64368858	-0.1486686	-0.5897387	0.04841255
55	-4.5750926	-4.4291838	3.402585	0.90391468	3.00222377	-0.4910777	-2.7053932
55	-0.77345	0.85311249	0.81825354	-0.2360702	0.80346254	-1.4387283	0.79947936
56	-0.8479984	1.04345933	1.26736889	1.13552949	0.0213621	0.3369141	0.39847974
56	0.08699619	-0.0519887	-0.4978824	-3.1519079	2.55840036	2.79667097	0.47028327
59	-0.7732926	-4.1460073	-0.9320376	0.02709368	-1.6983073	0.46018781	0.73734447
59	0.92102402	-0.1624469	-0.0943314	0.47408393	-0.021486	-0.3975063	0.48264298

60	1.06914138	0.04378593	0.30986729	1.31669399	-0.4623936	-0.8578876	0.20790369
60	1.10702938	0.216441	0.53837815	1.47639799	-0.2519419	-0.3406797	0.15409174
62	-1.0351058	0.99601313	2.19247014	-0.1704453	-0.3023197	-0.1422558	0.22343177
64	1.21251089	-0.0990543	-1.1920941	0.28632356	2.16051625	3.61631351	-0.4042069
64	-0.6583049	0.40679057	2.03746064	-0.291298	0.14790981	-0.3508573	0.94537321
64	0.95960166	0.3707113	0.88861337	2.3432441	0.35249084	1.36551461	-0.2777707
67	-0.6534446	0.16022508	1.59225556	1.29683228	0.99717492	-0.3430003	0.46993693
67	-1.4946678	0.8372414	2.62821062	3.14541438	-0.6090984	0.258495	-0.0121886
68	1.23299646	0.18945373	0.49104032	0.63367266	-0.5115744	-0.9906088	0.06624048
68	1.15693907	0.03721512	0.55679904	0.51950654	-0.4797539	-0.3527138	-0.2224865
68	-0.7701964	0.48357242	1.90107178	-0.0018763	0.02424479	-1.1719032	0.66648336
69	0.29850317	2.14272152	-1.542143	1.56133191	0.93810802	-2.1456727	1.40556857
69	-0.6080269	0.3066936	1.47300415	1.19112725	0.02126467	0.88844249	1.19049117
69	-1.7666447	2.35298431	-0.0099552	-0.3637357	1.46095251	-0.2048329	0.90581866
69	-2.2206418	1.02918072	-0.6977236	-1.2682265	2.80222103	3.32290136	0.19703601
70	-0.4260717	-0.0603038	2.2208282	0.02474178	-0.584964	0.46062299	-0.3225261
71	1.33189716	-0.5799618	0.42260553	-0.8977515	-0.7462542	-0.0562732	-0.750317
73	1.16228088	1.24817825	-1.5813171	1.47502419	1.13835706	-1.0203734	0.63838729
73	1.23904805	0.29328442	0.08647196	1.17827736	0.37334385	0.32559601	0.11931898
73	0.92599661	-0.3580989	1.37672153	1.90076881	-1.0576899	0.30188517	-0.4622662
73	1.14818693	0.08583707	0.12070206	1.12666455	0.21471057	0.53738105	-0.049989
74	1.03837033	0.12748613	0.18445589	1.10994979	0.4416989	0.94528253	-0.0367146
74	1.03837033	0.12748613	0.18445589	1.10994979	0.4416989	0.94528253	-0.0367146
74	1.03837033	0.12748613	0.18445589	1.10994979	0.4416989	0.94528253	-0.0367146
74	1.03837033	0.12748613	0.18445589	1.10994979	0.4416989	0.94528253	-0.0367146
75	-1.4390688	0.2676314	3.56277034	3.48148583	-1.1601005	1.76478063	-0.5588173
76	-1.024576	0.52228911	1.78769907	0.20267211	-1.1408029	-0.1378308	-0.3365555
76	-0.9971758	0.2283653	1.71533994	-0.4200668	0.56083784	0.56472505	0.84604655
77	-1.1657217	1.48533681	0.15641807	0.92437833	0.1317456	0.99696526	-0.1671171
77	-1.185954	-0.2188084	1.10100483	-1.4069971	1.2617832	-0.3377091	1.19174722
77	-0.4271909	0.74570841	1.76181102	-0.1651305	0.05829769	-0.2134134	0.64732325
78	-0.6224784	0.0148814	1.05248874	-1.6445738	-0.5382653	-0.8355282	0.51723353
78	-0.2912412	1.5156885	1.51435489	2.51836461	0.58364774	0.42556059	0.59869018
78	-1.7604025	0.22192415	0.5799499	-1.4131941	0.80487625	-0.3533243	0.86965564
78	-0.5905893	0.2352483	2.35492151	-2.219936	-0.2468207	-0.8333371	0.93443098
79	-2.3743803	0.59714527	0.0366561	-1.4069891	0.29969203	-0.3411027	0.62457248
80	-0.6552643	0.40989854	1.28915644	-0.3250433	0.54566947	-0.3498107	0.64824048
80	-3.0077391	0.92951449	-0.4237209	-1.3929516	0.08224678	-0.5157817	0.10471379
81	1.11104797	0.21535184	0.37407256	1.15000065	-0.3297676	-0.8986878	0.30990664
82	-3.5918262	1.34837037	-0.9984924	-1.4023618	-0.5967115	-0.3853024	0.05062096
82	-0.8880044	0.91366985	1.14608804	0.6562905	0.6772723	-0.3262106	0.88881142
83	-1.8649897	0.91087377	1.72486279	-1.7483711	0.57894262	-0.8325312	1.90144033
83	-0.8332003	0.77878712	2.61923666	2.61286413	-0.5169376	0.55834601	0.31687136
83	-1.8973307	0.95562615	0.05254263	1.27665559	-3.3230841	3.22991079	1.02963115
84	1.1192723	-0.669639	0.80380737	-0.6516931	-1.395666	-0.8006981	-0.6016049
84	-0.7923292	-0.8406637	2.61046459	-2.1963384	-0.3969621	-0.7073632	-0.0579337

84	-0.481376	1.0034067	0.90618367	-0.4238639	0.76067063	0.37762742	0.58737316
85	1.32788389	-0.7350119	1.50244913	-0.5441047	-1.9093505	-0.7124977	-1.2928195
85	-4.2575974	1.64948917	-1.5912417	-1.3743168	-1.180136	-0.3310395	-0.1179916
87	-5.1018771	1.8970218	-3.4580336	-1.2775428	-5.5177579	2.09836622	3.32960345
88	1.28722647	-0.8246831	1.34642285	-0.525628	-1.8330072	-0.4777147	-1.2242129
89	0.27072479	-1.6153168	1.05498209	1.66150993	-1.7376872	0.06589426	-0.313977
89	-0.5898559	0.93306987	-0.2680726	0.12524463	2.39699177	3.8779452	0.18998538
91	1.27613378	0.21146955	0.14300051	0.37005011	0.15474776	-0.0322548	-0.0030296
91	-1.8222727	1.23533554	-0.3078043	-1.8218238	2.76248235	3.64149863	-0.3446143
92	-5.2859705	4.8473232	-1.2903684	-1.4278424	-0.6215333	-0.6046905	0.43786593
92	0.60715301	-0.9574135	0.76150474	1.59005045	-1.1772979	0.01123191	-0.1669913
92	-0.238411	0.50926277	1.9520007	0.77906595	-0.3789401	0.25113656	-0.0724121
93	-0.8538069	0.12739178	1.26727718	0.67858407	-1.0298506	-0.4876138	1.83607057
93	-1.6400143	-0.4798313	1.61363032	2.997979	-3.8037877	5.05181166	3.31525432
95	1.05702133	-0.646956	0.72916662	-0.5692624	-1.1743067	-0.5276248	-0.4716767
95	-0.3437115	1.11861462	1.29338582	0.0647623	0.02348069	-0.9927408	0.6958142
95	1.31617765	-0.105594	-0.2464804	-1.1857147	-0.1195664	-0.613399	0.00735851
95	1.19557162	0.25885785	0.63579645	0.64125736	-0.3950811	-0.6946667	0.03408645
97	1.27381789	0.05800905	-1.3124276	-0.0489688	2.24437305	3.29621142	-0.3426246
98	-0.6465133	1.0041985	1.61622395	-0.099628	-0.1224769	-0.6713267	0.65618305
98	1.02711437	-1.2725429	0.67365644	-0.7474358	-1.2991071	0.29365621	-1.0541998
99	-0.8839956	-0.1507648	2.29179072	-0.2634523	-0.8145353	0.95584063	0.09763067
99	1.08103308	-0.2565434	0.42697128	0.91811322	-0.7460889	-0.7214346	-0.0016517
100	-0.3786017	0.27457897	-0.1294877	-2.682799	-0.7313746	-0.2263542	-0.0069493
103	-1.4090095	0.56349251	3.35071745	-0.436893	-1.1234674	0.25634511	-0.2533899
103	-0.9408928	1.07415476	1.75939809	-0.6014456	0.10169349	-0.1885196	0.45575557
103	1.24574381	0.43887783	0.31613971	1.10763386	-0.1784464	-0.9410914	0.28629079
103	-6.0932478	-12.114213	-5.6949732	3.29438946	-1.4137921	4.77600042	4.80842582
105	1.00023399	-0.2952273	1.30825945	1.25775331	-0.9675324	0.46024474	-0.7818499
105	1.17509409	0.40826322	0.55214516	1.25506774	-0.1966618	-0.5656053	0.13397304
106	-0.3063112	0.99127193	1.41449133	0.85524364	0.33428371	-0.7282603	1.05882295
107	1.17512478	0.66134118	-0.4774765	1.10254156	0.54332812	-0.2467848	0.16523383
108	-0.8171645	0.54800788	1.987429	2.34762027	0.03688774	1.50952321	0.69296131
108	1.20606524	-0.1248847	0.11893915	0.02373499	-0.5490869	-0.9499203	0.07085045
110	-1.2768303	-0.9035567	1.47710494	-2.5826264	0.63598127	-0.8665371	1.138067
110	-0.5919327	0.11127282	0.69912565	-1.536074	1.19320773	0.64889558	0.79670566
111	-0.8208602	1.02256699	1.99656036	1.18014079	0.23246391	-0.1239525	0.68437085
112	-4.8160218	-3.3450611	0.56600564	3.9605678	-2.4954	3.69136464	1.60335986
112	1.10269786	0.10396514	0.93447873	1.15270352	-0.6935972	-0.5845803	-0.1484392
113	1.14755386	0.54349109	0.50457917	2.51792991	-0.1235548	-0.6111199	0.2730759
114	1.19406627	-0.0725822	0.63528563	0.76861621	-0.7355843	-0.6734657	-0.1462992
114	-0.2844462	1.06909895	0.93051062	-0.1290103	0.38781911	-0.5136748	0.66417639
115	-0.1829282	-0.9206834	1.81875832	-2.4509362	-1.2475597	0.147436	0.21862857
117	0.8056818	-0.2204514	2.37130972	4.0758173	-0.8440733	2.54639431	-1.4351144
117	-1.0102666	-0.540014	2.51862434	-2.2701489	-0.1573624	0.16870026	0.53823909
118	1.25491351	0.35028735	0.30248779	0.69311445	-0.3714699	-1.0702559	0.08678101

118	1.43105341	-0.6481011	-0.3316639	-1.2073826	-0.0127859	0.70443995	-0.7321256
121	-0.8685653	0.68497808	2.01374518	0.12639027	-0.493158	-0.320478	0.37357711
123	-0.5057284	0.66630036	1.08099302	-0.4476303	1.0394896	0.18401665	0.88279699
123	0.96878393	-0.5017981	-1.3335585	0.38880429	2.03609138	3.66171432	-0.236795
124	-0.6145861	0.97539646	1.68902691	-0.1704834	-0.1520196	-0.6984875	0.7265573
124	1.10525345	0.541842	0.83942141	2.57093271	-0.2795174	-0.4230621	0.08801919
124	-1.7109348	-1.3667987	2.21731067	0.40471445	-0.1143752	-0.0759423	-0.2599427
125	-2.8070645	1.18309832	2.97477937	2.80147707	-0.4751102	3.21782926	-0.4016081
125	0.85390797	-0.5271639	0.82384617	1.23522373	-0.64237	0.52859821	-0.397823
125	-0.7249104	0.07347502	1.73954661	0.75858806	0.22954257	2.42206922	0.19668794
127	1.35648932	-0.2213555	-1.2369956	-1.2468351	1.90780884	3.10391131	-0.6033838
128	-0.5497161	0.90766515	1.59794893	1.2989778	0.5879934	0.03237592	0.75425241
128	1.23949481	-0.1826092	0.1550583	-0.9288921	-0.7462266	-1.2356083	-0.0616947
130	-0.4852377	0.65849659	1.94996662	1.24969475	0.42641029	0.23151269	0.58511538
130	1.35328309	-0.6949	0.97082611	-0.4265595	-1.4172633	-0.5057104	-0.9320689
131	-1.0073906	1.26194332	1.20720274	1.30757493	0.15321142	0.0622911	0.50864716
132	-0.3948157	1.0544183	1.20636127	-0.2892324	0.61028392	0.08152934	0.68772099
132	-1.5713593	1.68750803	0.73467044	1.2933496	-0.2175317	-0.0026775	0.14736418
133	0.70933568	-0.0116792	-0.530213	0.23633063	1.61174986	4.09191538	-0.8621382
135	1.10176244	-0.1190185	1.13915027	1.84496121	-0.8179092	0.24777008	-0.684181
135	1.20720732	0.24131803	0.25874496	0.65333494	-0.2564258	-0.6203093	-0.0396528
135	-0.5418894	0.90774483	0.94184193	0.99374789	0.84472395	0.36027996	0.76173683
136	-0.5682847	1.19509454	0.6947415	-0.6260951	1.17108402	0.37375108	1.01309484
137	0.75330785	-1.1315933	0.87873037	0.2978708	-1.3272502	0.06659564	-0.535276
138	-0.9866395	0.05461977	0.89218939	1.2385463	1.1539492	-0.4431569	1.15879297
139	0.95127828	-0.6577296	1.70188353	1.80966728	-1.3601621	0.95385765	-1.1348033
140	1.17547798	0.16788128	0.50990852	0.45233238	-0.215763	-0.1921038	-0.1054037
140	-4.6365337	-5.9317174	-0.2273012	-2.7372713	7.67254397	-0.9963545	-3.3911845
140	-3.222745	-1.9327757	2.92324183	0.14357353	0.94811682	-1.076456	0.81122633
140	0.69350299	-1.134232	0.782844	-0.5929964	-1.4218026	-0.4875307	-0.2723206
140	1.00794706	-1.2894924	0.66674085	-0.7413212	-1.2905235	0.30217244	-1.0269071
141	1.180458	0.33426698	0.39517788	1.1907532	-0.0921576	-0.3881376	0.10429092
142	1.21140602	0.00784976	0.95079839	1.13764648	-0.4951893	0.30137112	-0.5183504
142	1.28825562	0.08582758	-1.1794821	0.06435705	2.19522544	3.38336287	-0.4484369
143	-2.1434575	2.10782616	0.21315188	1.28221657	-0.7325584	0.02358915	-0.0732558
144	-1.0329399	0.68060805	1.40255012	-0.529928	0.86957814	1.90330143	0.03324032
145	1.12257864	0.22257314	0.48192794	1.13137538	-0.2149472	-0.2012832	-0.0565559
145	-2.4204128	1.94788539	0.55364604	0.98306889	-0.2815181	2.40895755	-1.4016134
145	-2.4204128	1.94788539	0.55364604	0.98306889	-0.2815181	2.40895755	-1.4016134
145	-2.4194856	1.9493457	0.55299766	0.9827101	-0.2848153	2.41119959	-1.3985371
145	-2.4194856	1.9493457	0.55299766	0.9827101	-0.2848153	2.41119959	-1.3985371
147	0.91297915	-0.6529996	0.29816515	0.20954616	-0.1972305	0.97109995	-0.4494608
147	-2.687978	4.3902302	-2.3604831	0.36082916	1.31019221	-1.6452534	2.32777608
150	-0.3998797	1.05196579	1.39080202	0.09313186	-0.0076994	-0.717559	0.58809475
152	0.09549002	-2.5576942	-1.1340549	-0.4357705	0.72849342	4.090476	-0.4293288
153	-0.648576	0.74056458	1.8003815	0.14082568	0.05064644	-0.2574153	0.92046971

153	-0.9036282	-0.2333626	2.58086353	-0.9905723	-0.3979203	0.28175504	0.23861892
154	1.19084417	-0.6084269	0.06909652	-0.4935092	-0.9447747	-1.3908571	0.04765887
154	1.31560131	0.41314829	-0.0189531	0.48783438	0.13233069	-0.5743065	0.14656327
155	-0.5462153	0.87808388	1.52317639	-0.2428534	0.32393124	0.37185198	0.44659539
155	1.17195352	0.31121325	0.31360508	0.51923042	-0.0580321	-0.2587687	-0.0438428
156	0.71440104	-0.4939052	1.26948456	3.01149411	-0.8012159	0.92940384	-0.4288792
156	-3.4948609	-2.8944497	1.63798884	-0.2749756	-0.3892029	-0.7032745	0.44419418
156	1.32529523	-1.1386781	1.27626564	-0.2079202	-1.6420879	0.69657281	-1.5029549
158	-0.6008164	0.92245453	-0.1359518	-1.2599148	2.43982441	3.33020532	0.08710709
158	-0.159985	-0.6116329	2.0814193	-1.0481285	-1.0834558	0.25435695	-0.7829366
160	1.1714389	0.47497398	0.01176072	1.26430251	0.11623412	-0.865986	0.55439282
160	-1.5514816	-1.053346	0.76280573	1.33512906	-2.585523	1.94225236	1.64668686
162	1.03996431	-0.5343553	1.86519029	1.1451218	-1.4881329	0.58964099	-1.1199004
164	1.2120568	0.24640541	0.30916599	0.58474439	-0.3815813	-0.7649677	-0.0677828
164	-0.4332115	1.02083512	2.0197302	3.00326068	0.03130766	0.18706305	0.85085648
164	0.07349671	0.55103296	0.45189042	0.11496384	0.8229465	0.25148031	0.29631852
167	1.32177832	0.65804833	-0.7933124	0.42964745	0.41796611	-0.9276795	0.18092344
167	-0.8274648	1.24856968	1.02382611	0.61808111	0.19109373	-0.2087331	0.96471539
167	-1.3290624	1.95588981	1.11827516	2.3184319	1.58253723	0.38993661	-1.2873062
168	1.27496709	-0.7787834	1.16245269	-0.1804246	-1.5326312	-0.1018083	-1.1857378
169	-4.0668623	-5.0812152	-0.1169078	-1.3128293	2.68876225	2.75589498	-1.9990946
171	-0.3655317	1.00693184	1.10830367	-0.4286937	0.59051281	0.10547384	0.60292623
171	-0.9578198	0.24797946	3.77285685	3.31138505	-1.3054272	1.66837857	-0.6719312
172	-1.428535	1.79357778	0.54575824	-0.399309	0.6735769	0.74591895	-0.3584746
172	1.26469867	0.16828552	-0.27534	0.2206313	0.4592153	0.46862382	-0.1727939
179	-0.4310917	0.89075179	1.72054285	-0.2382465	0.27326289	-0.9701906	1.24991038
180	-0.7826662	1.0179865	1.50585133	0.92090462	0.75876509	0.39247482	1.35762533
180	1.29403278	-0.7628085	0.11124501	-0.5354211	-1.134396	-0.9376992	-0.4775806
181	-0.7236372	0.15449565	1.26316334	0.96497849	-0.0271697	2.28520178	1.89170252
181	1.13675205	-0.1037696	0.90468644	0.48821076	-0.6785235	0.03986073	-0.5812939
183	0.7267493	-0.5280424	0.05036552	1.37362147	-0.124122	0.41568758	0.25955481
183	-0.5980713	1.26413655	1.41032605	1.69517498	0.39172769	0.19257571	1.11822086
184	1.19927767	0.36573784	0.42815525	0.61773271	-0.3426097	-0.8458693	0.04191949
184	-0.143256	0.74364852	1.53407221	1.06217009	0.20818678	-0.8386229	0.52415123
185	-0.2413017	1.08931147	0.70398882	-0.265987	0.69289779	-0.1793523	0.68465077
187	0.06606077	0.8762634	1.09399297	1.55615052	-0.0723181	-0.6719023	0.56970716
188	1.16843339	0.31997759	0.58969342	1.04477398	-0.3769418	-0.6773345	0.05447215
190	-1.5057792	-0.2153251	1.99129428	-1.6314934	-0.6359651	0.22841386	-0.0342657
190	-0.9135997	0.16226211	0.54142852	-1.9317987	0.23540173	-0.2092629	0.77052338
190	0.0757497	1.02698568	0.83489051	1.20891254	0.10755396	0.46597724	-0.3309593
190	0.80384592	-0.5717181	1.0480927	1.16767667	-0.7022919	1.00000259	-0.6929653
190	-0.5494143	0.67686067	2.15194998	1.01452299	-0.6200118	0.07615449	0.04157842
192	-0.3512869	1.18375356	0.5307943	0.5438914	0.79844146	-0.8044722	1.56316998
193	-0.9225152	0.84157679	2.07800001	1.37307134	0.6665261	0.77901191	0.60945756
194	-1.1315172	1.01639867	0.73581042	1.16661377	0.7902364	-1.1871962	0.736469
194	-0.7732959	-0.1906614	2.40494626	-1.7998808	-0.3965165	0.19921766	0.25780562

194	-0.9311543	0.82588911	0.16800797	-0.0772117	2.96645185	4.09950648	-0.1469009
196	-0.2782878	0.86621374	-0.3006202	-1.1173455	2.54224194	3.27064627	0.11700338
196	1.1986585	-0.4203338	0.01459916	-0.2707929	-0.471074	-0.3846105	-0.0838904
199	-0.9238918	0.56885244	1.244236	-0.5974725	1.08489698	-0.3769758	0.56821482
199	1.02926862	-0.5162923	1.29178534	0.36467636	-1.2784634	-0.1963783	-0.6101748
199	1.18770633	-0.1410194	0.56345852	0.76638258	0.15107103	1.59693699	-0.7424745
200	-0.3049229	-0.5213877	1.34118051	-0.2557973	-1.1209159	0.91826035	0.17434812
200	-1.2694613	-1.0271525	2.261373	-0.504356	0.69342137	1.23776123	0.05606534
204	0.8606521	-0.2473752	0.75408223	1.18549171	-0.4861743	0.24101293	-0.1977755
204	-0.9382256	0.10471734	1.3096417	-0.8675365	0.45068526	-1.4375022	0.65060358
204	-0.188424	0.87760183	-0.7346859	-0.9134037	1.94177035	4.03742271	-1.7071184
205	1.18239888	0.05948869	0.31067261	0.82881733	0.34120908	1.11259295	-0.292778
206	-1.4997611	1.05958805	0.49691235	1.00606924	-0.6729492	-0.4902993	1.10243286
206	-1.4271516	-0.5277664	2.46015327	-2.8074819	-0.4571113	-1.3657089	0.51603146
206	-0.3705625	0.59980996	0.216683	-0.5130927	2.69714255	3.8827953	0.29554467
209	-5.8524651	5.26737615	-1.7618949	-1.4412501	-0.988529	-0.6721867	0.07575967
209	-0.7428771	0.56325174	1.20724326	0.912388	1.05379071	0.57472263	0.21563291
209	1.22850116	0.09187047	-0.2683849	0.74890503	0.44902668	0.45360359	-0.0130595
209	-0.5720106	0.37498087	0.92382303	-0.9540059	0.75363544	0.1394948	1.45074774
209	-0.4292245	0.69884937	1.58898243	1.29715659	0.11933067	0.2141328	0.38746142
210	1.29392705	0.33807071	-0.0427587	0.5021338	0.07228258	-0.5834579	0.12377887
211	0.26352349	-1.8128968	-0.3110868	0.41292959	-0.7946054	0.19636479	0.41662591
211	-0.247827	-0.2826821	1.65335421	-1.0148646	-0.6804333	0.88636386	-0.5382005
213	-0.2633805	0.95910274	0.28573987	0.60406751	3.22881956	3.79950305	0.71528547
215	1.08779165	-0.1435482	1.37429102	1.28739919	-1.1006423	-0.0171095	-0.7056091
217	-2.4212299	-1.3696021	2.26128149	2.01103383	1.87852523	-1.2756074	-1.2510286
218	-0.3917246	1.10635499	0.78776545	0.51052549	0.83296832	0.15165933	0.58815497
218	-1.0456685	0.48550965	1.56923232	0.16092939	0.86246184	0.5230431	0.76599693
218	1.20198934	-0.0344518	0.69662787	0.95674564	-0.0058267	1.09522318	-0.5745239
220	-0.5920601	0.78590389	2.80651731	2.9354659	-0.3566822	1.12756326	-0.2251297
220	1.2191121	0.05369413	-0.1803207	0.68094092	0.52158398	0.89323254	-0.2013934
221	-0.3428713	-0.1995458	1.97635258	-0.0034949	-1.1703656	0.88350093	-0.1518793
221	-1.1777314	0.31850056	1.72712264	-0.5495785	0.73729197	-0.0509632	0.55548189
222	-0.3527043	0.97551748	1.60336452	-0.2824749	0.48056145	-0.2226468	0.85019397
222	1.08697116	0.04512232	0.47577439	1.34424418	-0.3026407	0.00440761	-0.0964036
222	-0.4436403	0.98119277	1.23439717	0.09949717	-0.0512698	-0.9274412	0.86278614
222	1.08102681	-0.1394545	0.48388115	0.64205675	-0.1868455	0.53828335	-0.3027495
225	1.47877285	-0.5510885	-0.5231516	-0.8311535	-0.1954128	-0.2891929	-0.2792515
225	-0.6088307	0.87683702	2.49571534	3.13867429	0.16126431	-0.1070986	0.51585383
227	-1.465381	1.38217168	1.01978992	0.25036712	1.01141447	-1.2818072	1.18686606
227	1.12059926	-0.3133079	0.3953088	0.59675572	-0.4204116	0.32586188	-0.4041048
228	1.10576757	0.33301198	0.1841481	1.27694824	-0.0781184	-0.8109486	0.45932983
230	-0.4202697	0.8147604	1.51324239	1.2927821	0.13805305	0.22334224	1.08808368
231	-0.9615074	0.74335136	1.17358181	-0.2225934	0.7405281	1.73995879	0.31301283
231	0.28309985	0.81928397	1.05430883	0.34848829	-0.1568168	-0.5091689	0.05038212
234	-0.6024826	0.47908862	0.54975038	-1.0698143	-0.5016865	0.21477843	-0.1396826

235	-0.6635111	-0.0444432	1.02925332	-2.4980723	-1.3500846	-0.7987743	-0.5810713
236	-1.1690865	1.09629246	0.66968801	1.05253444	0.42246515	0.70345042	0.03927346
236	-0.4383374	1.02836375	1.45550172	-0.2302747	0.19889942	-0.3583251	0.6591328
237	1.26024784	-0.0201719	-1.1643865	0.26625144	2.1848864	3.6074212	-0.4369966
237	-0.4732905	0.47962728	1.52853786	-0.0981851	-0.00552	-0.773256	0.66799994
238	-0.9924039	1.62659146	0.9602477	0.09199868	-0.2379629	-0.5507965	0.10864855
239	1.16752665	-0.3182884	0.50246396	0.03390405	-0.5842848	0.02459169	-0.4137376
241	-1.1423209	0.62640491	2.52691695	2.82797271	0.61926314	0.89747301	0.5362776
241	-2.3984459	2.02296055	1.6284617	-0.540477	-0.5125959	0.23840747	0.17194384
241	-0.8493477	1.01950772	1.51723622	0.5794676	0.53918651	-0.2116649	1.34650905
241	1.18157197	0.2414079	0.02453692	0.88583203	-0.1214714	-0.2755518	-0.1424143
242	-0.3989351	0.94195327	1.35928845	0.0134901	-0.19194	-0.8244409	0.47494831
244	-1.1189455	-0.0713662	2.80776898	1.0256754	-0.1007481	0.50868018	0.62031333
246	-1.0770459	2.14091581	1.15288376	2.4588339	0.57657237	0.84596089	0.01598689
246	1.31125849	0.07502777	-1.2928324	-0.4831543	2.13925691	3.18156392	-0.5050451
246	-1.0691999	1.23996335	0.54515712	1.00535398	-0.0256956	-0.9106728	0.42244183
247	-0.6857698	0.55401923	2.01482948	-0.5610328	0.68334707	0.00223226	0.80439371
248	-0.2168668	0.90089622	1.50285028	0.81249245	0.1939525	-0.0314883	0.4907952
249	-0.7884061	1.12517228	0.9342131	1.15581532	-0.0285177	0.48947603	0.06737711
250	-1.3373749	1.1093912	1.39622252	0.03871773	0.52026738	-0.2591572	0.80632879
251	1.20663783	0.14334483	-0.1317556	0.90248619	0.21954724	-0.0281553	0.09929472
251	1.07181268	-0.2499272	0.18982501	0.19110892	-0.6157789	-1.0741043	0.21363308
251	-0.2386429	-0.1466913	0.82932334	-1.7767394	-0.0800483	-0.7475087	0.40443148
252	-2.3954339	-1.5453691	1.9193912	1.06251357	-0.6278062	1.154561	-0.8615007
256	-1.3772453	0.71482253	2.50751277	0.86508243	-0.2904892	1.07732756	0.03250708
256	-0.4717959	0.52316869	1.94896693	0.99550321	0.3790688	-0.5774662	0.521413
257	-0.599318	0.88752482	1.57921402	-0.1137279	0.30499123	-0.1828289	0.503722
258	1.13093276	0.17806934	0.53343952	1.47895526	-0.3429332	-0.3799863	0.06325292
259	-0.9429403	0.20607414	1.62599203	1.10839157	0.8758379	-1.2157163	0.27117262
259	1.09506742	-0.0143927	1.40855211	1.26654595	-0.9447505	0.02957786	-0.5985147
259	-1.5694853	-1.9321334	1.24920282	-4.4342113	1.24428214	0.40268798	-0.6495544
259	-0.3636077	1.10400833	1.30067845	0.0703143	0.07517966	-1.0103964	0.68339619
260	1.45590577	-0.928378	0.35345904	-1.3778666	-1.2331333	-0.6002922	-0.8176255
260	1.02670175	-0.6616647	0.8976009	0.1444028	-1.1052054	0.02024508	-0.7072668
260	1.07522901	-0.3353395	1.68046794	1.19209839	-1.2705308	0.31349829	-0.8710249
261	1.26032783	0.2991609	0.52768113	0.6148989	-0.4205919	-0.9775331	0.10848527
263	1.14364891	0.1282102	0.40725548	1.16095009	-0.5045315	-0.904843	0.11199306
265	-0.2938388	-0.0443689	1.09314553	-1.5764731	-0.1074918	-0.7912174	0.29146548
265	-0.5610925	0.50869774	1.42846359	1.26164025	0.61708316	-0.2267548	0.40758063
265	-0.491003	0.90695263	1.64542282	-0.0835311	-0.1955601	-0.710165	0.55911854
265	0.07363148	1.05120733	-0.2812226	0.85374881	1.06596574	1.21919719	-1.2255969
266	-2.564961	2.47098454	2.64941697	-1.5642557	1.79429704	-0.6147417	4.18590626
266	1.28967252	-0.6943994	0.98668348	-0.6269971	-1.5617408	-0.6128237	-0.9490373
266	0.9825391	-0.2290852	0.00305057	1.44400883	0.20064487	0.63675629	0.01216646
267	0.99249595	-0.6580031	1.02864255	0.33315708	-1.2343099	-0.3224455	-0.4452531
267	-0.0710037	2.11493087	-3.5978582	0.15933004	3.54399541	2.36697636	0.72739788

268	1.14606539	0.28585339	0.56243867	1.45933614	-0.2258908	-0.3463026	0.13198758
269	1.32062603	-1.1743382	0.71343114	-2.1779408	-1.5112336	0.05931428	-1.3080641
269	-0.3344631	0.82678933	2.207683	0.4705665	-0.5340824	-0.702739	0.2868912
270	-1.3569355	0.03372381	1.87419537	-1.4691016	-3.1259085	1.67705551	-4.925568
271	1.19619281	0.245161	0.63194747	0.6429409	-0.4131327	-0.6997282	0.01953274
271	-0.6897383	1.0860908	1.26097818	-0.3866749	0.02389934	-1.1389144	0.75213785
272	0.86747877	-1.1022515	0.60895868	0.82667451	-1.246214	0.0724916	-0.5091528
273	1.12435494	-0.1329535	0.58846703	0.80487145	-0.7262659	-0.5218749	-0.16701
273	-0.7929704	0.273688	2.61204029	1.21349505	-0.2250148	-0.5945754	-0.250744
273	0.21672674	0.71062649	1.22487594	1.13940534	-0.3763506	-0.2539855	-0.034557
274	-0.58619	0.49003302	0.56406515	-1.2283638	2.86017837	3.36373114	0.26366945
275	-0.3635187	0.05546441	1.85757124	-1.085421	-0.9819183	-0.4730253	0.21056483
278	-1.0923014	0.43075048	1.24978491	0.42975653	1.27207559	0.54820277	-0.1205916
279	-0.8570625	0.20462701	2.18698477	-0.0455894	0.47268926	-0.1874501	0.43589242
279	-0.3652294	1.10435216	1.29021678	0.0703206	0.04343203	-0.9852041	0.72714376
280	0.87879449	-0.2669092	0.40970601	1.50980807	-0.487798	0.37682948	-0.3892883
282	-0.3564662	0.72541752	1.97174889	0.83134272	0.36968143	-0.1077763	0.7516099
282	0.05777995	1.55035563	-1.9504079	2.04147285	2.25842581	4.69201246	-2.3039072
282	-0.42603	1.04118389	1.06379318	-0.4079206	0.07761513	-0.8108622	0.6207341
282	-0.6694153	-0.1690436	1.30183663	0.37052464	0.95091134	-0.413911	-0.1490377
283	0.9480318	0.31872476	0.7305909	2.58397517	-0.2064648	-0.2131797	0.22032853
283	-0.5299958	0.76655361	1.75939343	-1.1600739	-0.5010397	-1.4045126	0.67927903
284	1.14143648	0.08189344	0.50362488	1.48721228	-0.4731699	-0.4113843	-0.0531933
284	-0.9426231	0.65731796	1.19154438	1.3264971	0.97674498	-0.83297	0.23893287
284	-0.7649659	1.33950626	1.20938901	0.00593938	-0.3318077	-0.9192427	0.43437987
284	-1.1672119	1.26364781	-0.1098488	-0.7836193	-1.472694	-0.2127993	1.7326825
284	-0.8107565	0.65449942	2.21725733	0.10434135	-0.2868008	0.11783251	0.28755185
285	-0.931805	1.52773726	0.81888918	0.05699022	-0.3199296	-1.0547365	0.35878974
287	1.0300716	-0.2950885	-0.1099236	0.07153965	-0.3182533	-0.9129759	0.43193006
288	-0.5988195	0.07325354	-0.1137861	-2.315189	1.64438184	4.38952216	3.17420284
288	1.09858449	-1.2224906	-0.3191246	-1.7233846	-0.4161678	0.6350647	-0.4178523
288	1.26806876	0.28583165	-0.147276	1.04774173	0.67211544	0.65665626	0.13831467
289	-1.7821165	-0.3260792	2.28209228	-0.3818143	1.06129006	2.66635487	0.31142614
290	-0.6958178	0.58177253	2.37817955	0.06339596	0.32911868	-0.4498645	1.2691039
290	-5.1662989	-5.4493691	2.98849762	2.65899079	1.94815213	-0.8544702	-0.3263941
290	-0.4872338	0.50582533	0.88066988	0.97298639	0.8233666	0.2877376	0.72503878
290	1.35515717	-1.3189398	0.16635713	-1.5748223	-1.2792673	-0.1827945	-0.9855991
292	-0.4018486	1.01511142	1.30200996	-0.042208	0.05580574	-0.6830927	0.56114419
292	1.25218925	-0.1267791	0.28028514	0.57941553	-0.3741245	-0.2152166	-0.1930782
293	1.12331106	-0.1701421	0.89877308	1.57244549	-0.7274207	0.22664123	-0.5226514
294	-1.097477	1.24623596	0.4648546	-0.178196	0.24949884	-0.7250576	1.19775977
294	-0.7451157	0.44643971	1.71415395	-0.146626	-0.2442873	-0.9630585	0.56653654
297	1.1684596	0.28416863	0.42798473	1.3820266	-0.0575863	-0.1571699	0.13298872
297	1.17148794	0.11136652	0.35899373	0.21084361	-0.5608161	-1.4085424	0.35458449
297	-1.1480375	0.36762617	2.76971676	-0.3565615	-0.268456	0.3234227	-0.1087178
297	1.14561376	0.00414838	0.77242161	0.91654329	-0.5686993	-0.2816031	-0.1617525

298	1.21841704	0.07779231	0.53394362	0.84384943	-0.5360216	-0.7022806	0.00665563
298	1.33141173	-0.7158709	-0.0059929	-0.5284076	-0.8801055	-0.6764099	-0.461656
300	0.00704254	1.23950445	0.41704971	0.5300035	0.94232417	-0.5599678	1.50298129
302	1.07378532	-0.1700373	0.79065594	1.12860452	-0.58596	0.07080749	-0.4149375
302	-0.9861712	1.73293387	0.85758693	0.17894973	-0.7942232	-0.0884693	-1.2667901
303	1.25425812	1.21837567	-2.1486147	1.15595748	1.81389241	-0.238358	0.62388826
303	1.03113202	-0.1682773	0.77697897	1.07203302	-0.3373921	0.5574381	-0.4457699
304	1.04963939	0.06643706	0.05921258	0.28546934	0.63575353	1.47307366	-0.3769931
305	0.43994956	-0.9498425	-0.1125918	2.57253597	0.149829	1.54454198	0.21371846
307	-2.6582884	-3.0147763	2.27163594	-1.2182037	1.54654137	-1.6820636	-1.5249133
307	1.16920882	-0.0322538	1.011697	1.35364132	-0.8760619	-0.3205669	-0.4433637
308	1.10387021	-0.379365	0.69943706	0.17433331	-0.9180209	-0.4184446	-0.3941059
309	1.23952615	0.60289221	-0.2579875	1.3195805	-0.0508046	-1.2165278	0.23543391
309	1.03138076	-0.0894441	0.42136245	0.6208746	0.33024187	1.35198829	-0.2879007
310	-1.2363507	-0.6870293	2.09340721	0.60121707	0.78230293	-1.1671133	-0.6753955
310	-1.013287	0.51238015	0.83725915	0.40846827	2.07853524	4.69266172	-0.2940884
310	-0.7288571	-0.0205421	1.41502605	1.2339022	-0.2400772	0.48224046	1.31572958
311	1.09034863	-0.2701456	1.23591065	0.70207077	-0.8562292	0.48516855	-0.8041337
311	1.18223809	-0.1475185	1.24851833	0.86203422	-1.0767281	-0.2996902	-0.6148403
312	-0.7194023	-0.1241838	1.97930888	0.50341534	-0.7323241	0.3948826	0.280296
312	0.23098106	-2.000483	0.5551548	0.6006459	-1.5510236	0.24233293	-0.133183
312	-0.9878581	0.47577132	1.67262163	1.17804441	0.73028178	-0.4033914	0.30801383
313	-0.9074204	1.10391184	1.28848923	1.24361185	-0.0680316	0.21404013	0.32400012
313	-1.0383562	0.75612184	0.71994178	0.98840181	-0.2372897	-0.378862	0.41366798
315	-0.4041418	0.50274359	1.05714829	0.74163035	0.53762377	-0.0033765	0.45803355
315	-1.0146928	0.44491767	2.25900536	0.33694591	-0.4923259	-0.6499774	0.54246011
317	1.38414601	-0.7294773	0.56233913	-0.9015062	-0.8319613	0.29901992	-1.0869007
317	-0.3784894	0.53204262	1.49835212	-1.4511591	0.24540531	-0.6489255	0.84937484
318	1.49120502	-0.2462916	-0.386058	-0.7806379	-0.3404156	-1.110701	-0.0040478
322	1.20200718	0.10821348	0.59172424	0.56607856	-0.6415731	-0.8169741	-0.1274026
322	1.18709001	0.0089798	1.09449131	1.22103424	-0.6765043	0.09547264	-0.517634
322	1.06613434	0.03769897	0.16903505	0.99143228	-0.3544369	-0.1439783	-0.2931806
323	-0.7041334	0.34139706	1.74002687	-1.661595	0.8723131	-0.0073108	0.92308331
323	-0.8507306	0.69570282	2.07183757	0.928201	-0.0321079	0.64893228	0.15090912
324	-0.6223171	0.65682568	1.09422463	0.05466478	0.74640469	-0.9738482	0.38670995
325	1.40918592	-0.3836859	0.25625186	-0.7031502	-0.7635735	-0.7322566	-0.3506583
327	1.16268662	0.26913945	0.16325807	0.9430877	-0.0032254	-0.4218218	0.21339538
328	-4.2364194	-4.4597842	1.38181331	1.11707998	6.04448632	-3.4984472	-2.7408925
330	-0.3866334	0.95337878	1.85172644	1.62310811	-0.6031514	0.20491628	0.43889402
330	1.20778786	-0.0069149	0.36134696	0.7788565	-0.4046222	-0.5036334	0.00894235
331	1.2201635	0.33042133	0.51802039	0.82317897	-0.6807187	-1.3914433	0.05843129
332	1.08430301	0.12767813	1.38985271	2.53255871	-0.6368714	0.65110902	-0.685289
333	-2.9772137	0.78174766	2.881724	-1.6277982	-1.3680671	1.65687639	-1.185053
333	-1.6859868	-1.5090422	1.25799165	-0.1147332	0.74940422	-0.8199174	0.11989721
335	-0.7799882	1.39577461	1.78082843	-0.1873247	0.95385018	-0.5113952	1.41947975
335	1.2959463	1.01183546	-3.1918598	0.47147815	3.35024061	2.43278326	0.18955256

336	-0.8952241	0.56210613	2.81752408	-0.7187335	0.22322222	0.79615634	0.46488679
339	0.50330199	0.93006514	-0.8575252	2.04294012	-1.5059464	-1.0001846	-1.9913633
339	1.20278276	-1.4648423	0.70328411	-1.4625202	-1.4629822	0.49541881	-1.368709
340	1.27013609	-0.608139	0.37310102	0.2337516	-0.7212468	0.39626469	-0.841541
340	1.1954944	0.19492919	0.61751033	0.64971701	-0.4747182	-0.7160841	-0.0270776
341	-0.268621	-0.2333739	1.02526288	-2.129325	1.56637522	3.86306356	-0.7322647
341	1.02166509	0.11057523	0.44947994	1.04142404	-0.2139186	-0.2306785	0.10270585
342	0.77981972	-0.4158079	0.08818462	1.34806554	-0.0664145	0.41404476	0.24664669
343	1.00476048	0.42399194	0.57992907	2.47675357	-0.1243755	-0.3639357	0.29769831
344	-3.4959837	-4.0884199	2.02484461	-0.7403627	1.12813457	-1.2317017	-0.0865536
346	1.50757798	-1.0928202	0.3601021	-1.7709399	-0.9138486	0.67872329	-1.3802275
346	-0.9281932	0.67175801	1.92461596	0.27375466	1.04110848	0.13693011	0.36148319
346	1.07707856	0.28498022	0.00773138	1.657073	0.05202024	0.44638867	-0.4070362
347	-1.5312711	1.39962086	-0.5870614	2.17500166	-2.1376369	-0.5015762	-1.2152151
348	-0.3439864	0.53978857	1.02466151	-0.3718988	1.03733561	1.2618492	0.4734089
351	1.20544383	0.00846699	0.95378232	1.14109302	-0.491215	0.2973026	-0.5039129
352	-0.7031832	1.21070442	0.71373088	1.14638079	0.19679007	0.46805975	0.20497737
352	-1.0463619	0.72038622	1.60341259	0.60837111	0.46094056	-1.4234058	0.26607867
353	1.13584592	0.08416355	0.26957273	1.21003437	0.00512792	0.31805037	-0.0826638
353	0.15099891	-3.0021199	0.82430141	0.23172109	-2.6214153	0.12884308	-0.7552333
354	-1.0884583	1.19710332	1.29371905	-1.1764535	-0.8599546	-1.4760754	0.30825432
354	-0.6870993	0.79043627	2.24242432	2.40646163	0.35971175	0.27941029	0.10367715
354	1.13562921	-0.1739855	0.7306923	0.71155802	-0.8542086	-0.4949514	-0.2966196
355	0.01925581	0.47169811	0.86806028	-1.2391242	0.54789788	-0.5026611	0.80851632
355	1.08584019	0.12668561	0.49897195	1.33369955	-0.1991288	0.03264447	-0.0155736
356	-1.2441263	1.10587092	2.87089428	3.01509716	-0.8137137	0.99246233	-0.3374654
356	1.02139247	0.15545097	-0.312291	0.96140734	0.54861131	0.12181627	0.52531801
356	1.58609252	-1.1690907	-1.3504767	-2.5045799	1.10638934	3.13528169	-1.3515287
357	-0.7119285	1.54742311	1.79975949	2.48905965	0.45049698	1.07376198	0.30937424
358	1.10625081	0.39862521	0.86042068	2.3888621	-0.365843	-0.1925684	-0.1217693
358	-0.4246656	0.55429342	1.37423412	-0.4474512	0.28824758	-1.0825356	0.96903469
359	1.2615973	0.25634596	0.51325357	0.61905379	-0.4724818	-0.9893421	0.06543109
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751	1.28461191	0.30307268	-0.0679088	0.9306844	0.11738709	-0.487005	0.20473918
751	-0.6548923	0.60831916	1.58510174	-3.0094292	0.03759271	-1.954023	1.33597714
752	-2.1011715	-0.2273654	1.6246681	-0.2911226	1.90244618	-1.483921	-0.275117
753	-1.2481632	0.31524635	3.70893465	0.68727987	-0.8730708	1.0912869	0.29770712
755	1.37413406	-1.7672104	-0.4333522	-2.2295524	0.33113499	3.92477529	-2.0499466
755	-2.4974364	1.40276911	0.18484004	-2.5041166	-0.1118034	-0.9029089	0.11018263
756	-1.3724065	0.9201221	-0.7769304	0.90052946	0.74347474	-0.9587461	0.52509603
756	1.18374339	0.11557109	0.84651707	0.92853384	-0.5396764	-0.1190242	-0.4184183
756	1.22590198	0.23966675	0.17002055	0.50858745	-0.2028274	-0.5676804	-0.0512926
758	1.19519127	0.16498164	0.60891533	0.65373394	-0.5116103	-0.7259192	-0.0551235
758	1.15207076	0.11909703	0.51540996	1.48014787	-0.4432494	-0.4067709	-0.0416617
758	-3.059533	1.82859927	-0.2725239	-2.5185333	-0.4337183	-0.999147	-0.3009527
758	0.5304779	-1.5870166	1.14828025	0.7095244	-1.621195	0.7627131	-0.7931539
759	1.13010923	-0.2044184	0.8683172	1.53175466	-0.318637	1.07098539	-0.5533035
760	1.04717411	0.28773757	0.36430318	2.23352749	0.15758736	0.28401179	0.10570742
761	-0.541113	-2.20557	-0.0070719	2.91065094	-0.38071	1.90977401	0.62183516
762	-0.2532886	0.58517717	0.82988217	-0.8396177	-0.0767224	-1.0303593	0.58855022

763	1.48149506	-0.2672445	-0.393097	-0.7759068	-0.3514956	-1.1105408	-0.0020872
763	1.07207161	-0.2074223	1.08183491	1.31415202	-1.0266888	-0.1381408	-0.5765197
764	1.27494813	0.14959886	0.17959463	0.31471886	-0.0535606	-0.2039594	-0.0840332
765	1.13222185	0.24895207	0.88265195	1.0455148	-0.5560931	-0.5360016	-0.1143095
766	1.1317642	-0.1133503	1.1627082	1.15410509	-0.7928082	0.3007113	-0.6883032
766	1.26731892	-0.3595987	-0.0895763	-0.3018832	-0.4736549	-0.6599935	0.00215255
769	-0.3182985	1.42559413	0.22069379	0.34402122	1.16189836	-0.1296026	0.83593527
769	-0.8212239	2.04340796	-0.0810637	0.6132763	0.35082794	-1.1678076	1.22616834
769	1.29373049	0.64921866	-0.9283143	0.61825641	0.78461388	-0.4873831	0.37436047
770	0.1716779	0.47449488	0.99131653	1.03743594	-0.2729772	0.20111827	0.24372217
770	1.02101219	0.00841886	-0.0933479	0.74968244	-0.1363268	-0.9169199	0.56121819
770	-3.8405843	-3.5992702	1.79438007	0.47229878	4.61539314	-2.8665631	-2.3536906
772	-0.3535425	1.14072889	1.19411828	-0.1422101	0.31921101	-0.4475824	0.65597847
773	1.09763261	0.09692935	0.15660453	1.0179309	-0.0204078	-0.0397746	0.04838521
774	-0.6689592	1.24735858	0.87102951	-0.3925393	0.42153731	-0.1732995	0.71917822
774	-0.0480722	-0.2031898	-0.7953238	-1.9629936	1.87527405	3.23535519	-0.181833
775	-3.9008103	-3.0983702	-0.2134284	-2.6784339	-2.9275761	0.73568783	1.59147067
776	1.26613425	-0.2271901	-1.0731296	-0.3279924	1.95450004	3.54946549	-0.5931724
776	1.13955749	0.15993546	0.04978887	0.54235028	-0.0247115	-0.7888852	0.48090716
776	-1.9433951	-0.635574	2.10071826	-2.5517371	-0.6465423	-0.3452276	0.00169337
777	0.65613671	-0.5830323	-0.1208812	1.34837719	-0.0281563	0.47661012	0.32061291
778	-3.5070595	1.93579751	0.86061834	0.87864158	-0.093149	0.27431096	0.3840368
780	-2.3749954	1.44289412	-0.0033004	-2.3980931	-0.4272883	-1.7570212	0.36588775
783	-2.933478	1.87497933	-0.4629526	-2.414422	-0.7643672	-1.8427875	-0.0288669
784	1.55349234	-1.124607	0.46343879	-1.5059578	-1.4668676	-0.3389183	-1.28783
784	1.26917205	0.44489171	0.17203059	1.02269244	0.01585963	-0.7320367	0.29702408
784	1.01736518	-0.6011227	1.73585472	1.08830207	-1.4645825	0.50123066	-1.0719713
784	-2.2568344	0.76601943	1.47203477	-1.2339685	-0.5684518	1.18265172	-1.0274647
788	-1.6841442	0.42196215	2.60141527	-0.4120674	0.29501486	-0.237649	0.3547508
788	-1.3691792	0.59408969	1.87366874	0.25579825	0.25528953	-0.2456049	0.66423585
789	-1.2688975	1.04192789	-0.0016321	-2.7340107	2.42176476	3.1926703	0.41634637
789	-0.6219976	0.70856569	1.16429784	-0.5191936	1.30110414	1.1870165	0.80899785
790	1.23839582	0.27707053	0.65538746	0.69525533	-0.6192749	-1.174995	0.08362161
790	-1.1441343	1.18434856	2.18353021	2.41773181	-1.3527311	1.69888819	0.34073058
791	1.05921232	0.03114784	0.24614058	1.23253309	0.05784926	0.35705446	0.04060964
791	1.07835396	0.4838471	0.49312297	2.47239147	0.09642608	-0.0758706	0.21779509
792	-2.4963291	1.15744399	3.77023624	-0.2302458	0.00706528	0.50634112	1.62915243
792	-0.7353859	0.64702592	1.73037116	0.53699729	0.2568155	-0.2318251	0.54027145
793	-0.7334902	1.4489495	1.98779483	2.55495028	0.17107124	0.50495593	0.51580257
793	-1.0187066	1.38674628	-0.1260786	-1.6770355	3.27395745	3.25587112	1.49759368
795	-0.1444824	0.86375693	0.51558784	1.04843984	0.6288509	-1.4049993	1.20263896
798	-0.8434103	0.53481137	0.63644083	-1.8499907	0.78128608	0.64814368	0.46747924
798	-0.8065032	1.35751008	0.99584858	-0.0913268	0.07939115	-1.0563126	0.87466544
800	1.25665181	0.42751909	0.32708018	0.68380541	-0.281307	-1.0491156	0.15602326
802	1.0820906	0.01869227	0.73133346	1.38284217	-0.4139553	0.19578989	-0.2618434
803	1.15202107	-0.4045157	0.86461821	-0.0267209	-0.8805545	-0.1123513	-0.5459925

804	-0.7023076	0.50894359	2.24861679	0.48189081	-0.2366826	-0.0712034	0.27731564
804	-1.2420892	2.00383754	-0.1281629	0.95712771	0.84926081	1.45355923	-0.9197345
804	1.18169674	-0.0079084	-0.0668454	1.53222302	1.72883164	4.40988462	-1.1388158
805	1.07788325	0.07736156	0.79427219	1.37359732	-0.3557973	0.23895129	-0.2228753
805	-0.3487899	0.94264823	0.77214545	-0.1028381	0.04192802	0.16293018	-0.0155396
805	1.12109275	0.1113217	0.49838565	1.32860046	-0.2729756	0.00134873	-0.1104231
807	1.07771545	-0.1399036	0.59635168	0.9763814	-0.8005653	-0.8860946	0.06429693
808	-3.9048747	-4.7083772	1.51104435	-1.0837415	2.42731473	-2.8080811	-0.5597637
809	-0.5553838	0.62124209	1.47327785	-0.0478417	0.5868347	-0.3064837	1.08275694
810	-0.3012639	-0.1725227	1.95070108	-1.6032935	-0.9788472	-0.7965558	-0.3134624
811	-0.4699728	0.97866239	1.66130137	-0.0966934	-0.155465	-0.6895364	0.59822307
813	-4.0669518	-4.0166691	3.02887712	1.31163362	3.96697183	-2.3444571	-2.9879832
815	-0.8835952	0.41459036	1.69013242	0.19198577	-0.1795117	-0.4446188	0.61034548
816	-0.3062186	1.22764525	1.65688649	2.31045653	0.46304166	-0.0229439	0.5851609
817	1.13843624	-0.3636576	1.1722328	0.83437713	-1.0979494	0.11487628	-0.8520643
820	-0.9374813	0.4016488	1.88268869	-0.3620009	0.7510884	-0.8992623	0.88055736
821	0.63062786	-1.3435651	0.79588512	0.49812697	-1.5318272	-0.2879774	-0.2816531
821	-1.026206	-0.4547734	2.74508878	-1.5330861	-1.0911658	-0.0856283	0.06235101
822	0.86073254	-0.8027271	1.10544258	0.39042367	-1.2446799	-0.0371897	-0.4681915
823	-1.0601189	0.6970248	0.52365748	-0.2706066	-0.3677033	-0.6279891	1.18825998
823	-2.220124	2.52245661	-0.2199049	0.51666505	-0.2025465	0.94074281	-1.1933127
823	-0.4317312	-0.4102147	1.50745266	-2.9125318	-0.2540463	0.88128227	-0.4587578
824	-0.9691009	-0.0771056	2.30185745	0.55111651	-1.0853039	0.16146311	0.27936021
828	1.11417134	-0.2561431	1.10032141	0.61883421	-0.6610309	0.69072223	-0.7907121
830	0.83887062	-0.3381562	0.1660433	1.34864303	-0.4012449	-0.3607768	0.23532329
832	1.15806161	0.1449461	0.39050826	1.40484089	-0.2211949	-0.2049243	0.02332984
833	-1.1871656	0.90900829	1.53657946	-1.4731949	-0.2590562	-0.4740616	0.32694126
833	-1.1059096	0.49581329	2.26484633	-0.1187982	-0.1532243	2.22067623	-0.1883646
834	0.95624798	-0.6399571	1.47988901	0.96027351	-1.1871822	0.80897227	-0.9679212
835	-3.2453989	4.82174646	-2.8248951	0.34404234	0.95342529	-1.7180081	1.95497483
836	1.04314293	-1.015728	1.90542559	1.19322698	-1.8637363	0.84715364	-1.4281633
836	0.05614091	0.23984906	1.95496398	0.44788663	-1.6688483	0.64000623	-2.1581428
839	0.48633754	-1.0636501	1.95000186	3.29985708	-1.6174332	1.09312943	-0.8115817
840	-1.0897806	1.36734955	1.41367507	0.19028796	0.04817874	-0.1795945	0.48545896
841	1.16494485	0.59233356	0.19303655	2.43546815	0.02509011	-0.6739576	0.37262439
841	0.18243833	0.58302712	1.17857097	0.07508978	-0.1517063	0.07290788	-0.120188
843	-0.7128553	1.28377074	2.70644722	2.66576133	0.16522415	0.63744571	0.35857624
843	1.22874219	-0.1319462	0.69033486	-0.123027	-0.9131088	-0.8390354	-0.3729692
844	1.27455935	0.04875228	0.67617689	1.05644823	-0.2026043	0.55441291	-0.5533211
845	0.9759826	-0.9237026	-0.0183803	0.29412704	-0.7041402	0.01659725	-0.2453692
846	1.24086947	0.29255634	0.55069565	1.18393338	-0.1608134	-0.2341982	0.03198507
850	1.25713958	0.26564237	0.24595298	0.66747983	0.25608142	0.36767191	-0.1252161
852	1.11542024	0.20901992	1.34139597	2.45426291	-0.5718664	0.57557947	-0.6717566
854	-0.7023582	0.54778902	1.95963592	1.00662691	0.71058915	-0.0501537	0.57787789
854	1.11171192	0.2153788	0.35526467	1.01460325	-0.1456079	-0.284154	0.06093051
855	0.69463226	-1.06893	1.94401616	1.93074602	-1.9338556	0.49638743	-1.0073792

856	-0.9167057	0.7498622	2.06766164	0.0950771	-0.2378428	-0.3429936	0.45465279
857	-1.1724438	1.22484599	2.19236786	-1.163692	0.29374273	-1.2441186	1.30662926
858	-0.8115964	0.72422814	1.51065118	-0.5088409	0.47178475	-0.8433218	0.63059579
860	-0.9789178	0.2975142	2.27640127	1.28269772	1.01982242	0.08356026	0.58467317
861	-0.9459874	1.23275336	0.82031264	0.31106357	0.98173628	0.93518776	0.56692563
861	0.64976642	-1.8470568	-0.323645	-0.2318072	-1.1839748	-0.4689114	0.07379524
861	-0.443986	0.46682601	1.18706206	-0.9730535	0.02905579	-1.1147205	0.8354634
862	1.20849842	0.57056697	0.0430931	1.24418224	0.17801365	-0.8613491	0.56190032
862	1.17429654	0.18065235	0.51343232	0.45088441	-0.1979975	-0.1869379	-0.0904652
863	-0.5349626	0.57572629	1.4010054	1.34296726	-0.11907	0.31919036	1.28153933
863	-2.8142572	-2.3409977	1.48482243	0.50219664	2.57220039	-1.9145131	-0.6112543
864	-0.8220829	-0.0302836	2.67791469	0.12905387	-1.1227544	-0.1193127	0.8054803
866	0.89357274	-0.3158978	0.26338446	1.32366516	-0.1532404	0.60203481	-0.1019111
868	-0.5956483	0.53661006	1.69559236	-0.0216095	0.26525156	-0.1539996	0.63522847
868	-0.9642165	0.79445417	2.11296843	-0.3821954	0.65212131	0.44056146	0.80068799
869	-0.6035689	0.92980119	0.98195032	1.04363573	1.01426831	-1.0907122	0.81140847
871	-0.7892171	0.10468925	1.01317859	-1.7434145	0.62738101	-1.3317985	0.41685272
871	-1.3667974	-0.3818164	2.90936405	0.45282399	0.64612455	0.07450405	-0.0437011
871	-0.6341736	1.25820584	1.28727739	-0.306047	0.4675352	-0.433052	1.01227708
871	0.97723221	-0.0047281	2.01959754	3.04917303	-1.0730952	0.77620779	-0.830617
871	1.18412724	0.62677818	0.71407688	2.48528176	-0.1576463	-0.5244323	0.16198616
872	1.0013933	-0.521938	-0.1632311	0.17147404	-0.1310662	0.14502343	0.04736811
873	1.23792578	0.34505292	0.3365122	1.40121195	0.12440183	0.11914214	-0.059129
873	-1.5359981	0.05341142	0.65706377	-0.6997355	0.91290522	-0.4546122	-0.2139325
874	-0.4450991	0.75414507	1.36199897	-1.1842383	-0.0367726	-0.9414206	0.69862549
875	-2.3768291	2.25047593	0.51372202	1.10490871	-0.5343588	-0.2942757	0.21983151
875	1.24093616	0.06841833	0.32794954	0.73088262	-0.2740411	-0.414394	0.02885401
875	-0.8010632	1.22455284	1.2139505	-0.2352856	0.26273793	-0.1993234	0.6869999
878	-2.5121924	0.31783824	1.2703328	1.21425795	1.17990251	-0.4122333	1.00271608
878	-1.1738042	0.28100368	2.10109265	-0.7248863	0.02448223	0.30052819	0.28866024
879	-1.1383925	1.45827243	1.3281234	0.03219396	-0.0920375	-0.8565424	0.74884142
881	-1.7225301	0.14608335	1.54547343	-0.9585823	-0.3986981	0.31756149	-0.0916467
881	-0.6602874	0.73697856	0.86122464	0.93437508	-0.4318837	-0.4097511	0.98320597
881	-1.6580886	1.32937065	0.79845648	-0.0039057	-0.3507957	0.49184409	-0.3626434
881	0.96799406	-0.1637986	0.00636453	0.57599405	-0.4062463	-1.0179412	0.47014869
884	-0.3862536	1.01113237	1.28420759	0.08666932	0.02933316	-1.049492	0.60698446
887	0.93293624	-0.4132618	0.47896914	0.70325891	-0.8511987	-0.9017521	0.21387381
890	1.27118689	0.06884805	0.05152222	0.10104439	-0.4611105	-1.3422225	0.25383891
890	1.26363322	0.41665527	0.29348307	0.98661481	-0.0161252	-0.5804749	0.19817237
890	-0.4911092	-0.7388562	0.5175313	-0.8924577	0.38755273	1.07736726	-0.0021389
891	-0.5635664	0.72753626	2.55977182	1.75976483	-0.4450255	0.55454468	0.0688727
892	-0.6544011	1.15719682	0.97879032	0.80428003	1.18128058	0.87683198	1.01956645
892	-0.2671351	1.02387424	1.24401659	0.86026591	0.43605384	-0.1612612	0.70973565
893	1.04108111	-0.5418645	-0.4028449	0.03810656	0.14164144	0.47268137	0.02985855
894	-1.4963103	0.0334849	0.41744998	-0.833103	1.18561283	-0.1269543	-0.231442
896	-0.9854445	1.15101813	1.44975304	1.03652243	0.30547306	-0.0390507	0.9736513

896	-2.2112606	1.77250984	0.33270071	-0.0234084	-0.7196468	0.42773432	-0.7242357
897	-1.7969706	0.34911432	-0.1979834	-0.7351512	-0.2525813	0.67883321	0.49485774
897	-0.3951155	0.60719654	1.41601277	-0.239631	-0.2063784	0.06177549	0.53538607
898	1.235327	0.49148466	-0.1296995	1.05231321	0.26824029	-0.7123302	0.50755788
899	1.32666629	-1.2855238	0.76996719	-1.4500508	-1.6015226	0.01875163	-1.3457423
899	-1.2674939	0.00715054	1.35934766	-0.07904	0.43213006	-0.2589353	2.02245005
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1034	-0.9842823	0.06420051	-0.483344	-0.8663105	2.40729257	3.68601167	1.26834854
1035	-1.2921664	0.69438786	1.16410649	1.30531683	-0.3024294	0.55309522	1.14659688
1036	-0.837895	0.95472234	1.02714343	0.67703258	0.28593442	0.2929948	1.0449929
1036	-0.6485691	1.03597806	2.52857237	0.22013684	1.04255608	0.49897156	1.47036942
1036	1.12855272	0.01346976	0.74461694	1.43919996	-0.6730293	-0.2951077	-0.2430612
1038	0.96186765	-0.5215033	0.27629885	0.56911929	-0.8503767	-0.8635794	0.09808803
1038	-0.6518883	-0.245815	1.35180949	-2.4270666	-0.5493844	-0.243647	0.69838361
1039	-1.5755237	0.05384605	1.09659371	-0.3020903	0.19359469	-1.463215	-0.1632126
1040	-1.2782959	-0.1464823	0.80166207	-1.4755303	0.22027014	-0.2343039	0.85014168
1040	-0.9269097	-0.1504516	0.44271898	-2.723155	0.5174503	-0.3159199	1.28516526
1040	0.14131885	0.35261241	1.0505224	0.5490274	-0.2079147	-0.0322708	0.10678495
1041	0.89237909	-0.3459908	0.05127966	0.74107211	-0.4526164	-0.7244374	0.41593207
1041	1.25681284	0.64989146	-0.3102997	0.90538888	-0.0543554	-1.5854959	0.44133233
1041	-0.8288011	1.30455435	2.22759584	1.37961726	0.51105715	0.01293159	0.83603459

1041	0.81100154	-0.8575597	-0.4493121	0.33934466	-0.4956687	-0.7534612	0.49352244
1042	-1.4341161	0.0528694	-0.1597032	-2.3852465	0.83733502	-0.8641489	0.05873893
1043	0.89674075	-0.6302236	0.40502442	0.58271946	-0.9398552	-0.5687296	-0.043449
1045	-1.1198415	-0.3217712	1.05155876	-0.6193037	0.71941693	-0.52829	1.07907105
1045	-1.9091569	-0.6895862	1.74265854	-1.1882079	0.98131849	-0.1900542	0.7805302
1045	1.18786023	0.64276227	0.71904994	2.48241564	-0.1434948	-0.5218304	0.16884005
1046	-1.7925448	0.06844115	0.80295286	-0.5419771	0.82232005	-0.8739657	0.20355167
1046	-1.3766316	0.18029995	1.5536726	-0.0295898	1.102147	-0.1654684	0.76465671
1046	-0.4702039	0.92004257	1.64807576	-0.088816	-0.2164072	-0.7172052	0.52896024
1046	1.21217066	0.18086979	0.52734385	0.50826024	-0.4369641	-0.6696413	-0.0469479
1047	-0.3731053	1.07332723	1.28859702	0.0747106	0.05244409	-1.0085707	0.68001663
1048	1.33665363	-0.6086225	0.60822896	-0.5166736	-1.1705798	-0.6231603	-0.6638297
1049	1.08031446	0.51280504	0.85085699	2.36085635	-0.0760027	0.14525285	-0.0527299
1050	-0.2027168	-0.4097108	1.0089285	0.13094318	-1.4991256	1.02192855	-1.5223951
1051	1.16387062	0.31106527	0.90382793	1.03091084	-0.5276903	-0.5385998	-0.1266305
1051	1.25209207	-0.0233761	-0.4212967	-0.190476	0.0888948	-0.594563	0.27452738
1051	-0.8383763	1.32722717	1.037818	-0.0562494	-0.0872017	-1.1262344	1.13114803
1051	1.20550796	0.36041747	-0.6837287	0.76313538	1.03750345	0.44871667	0.4923039
1052	1.26226447	0.21207204	0.19608676	0.30903184	0.04405354	-0.1735705	0.00473213
1052	-0.3548312	0.67885046	1.92859944	0.26859577	0.21459843	-0.1356507	0.58257689
1053	1.23746543	-0.4882205	1.33289605	0.78725868	-1.40613	-0.1004433	-0.9087267
1053	-0.4685567	1.85687719	-0.1111783	0.87810638	1.57932045	-1.4698315	1.68083107
1054	1.16421612	0.25600828	1.08575469	2.31242111	-0.075168	1.16349363	-0.6066734
1054	-0.8194099	0.59921383	2.17150523	2.22592554	0.87188371	1.58146521	-0.0726128
1055	-0.6371757	1.44875885	2.52616524	2.67006435	-0.0910959	0.23025162	0.3750364
1055	-0.1300594	0.90206707	1.02770174	0.31985451	0.35471564	-0.4163941	0.53693947
1055	-1.0472601	-0.4140998	3.61440858	3.55113732	-1.2278801	1.49692331	-0.2102012
1056	-0.4099351	1.08513511	1.28077612	0.01699548	0.30379855	-0.5276657	0.64158045
1057	-1.4412582	0.6748718	2.68548269	0.24382573	-0.558726	0.76420104	0.14365572
1057	-0.7445895	1.0123866	1.31260272	-0.7330833	1.09219707	0.25250589	1.3329154
1058	-0.6299471	1.24101079	1.29035273	0.11123461	-0.4418521	-1.1288394	0.42955781
1059	-0.6244196	0.46659452	2.71442363	1.46579416	-0.4828218	1.27868058	0.51582012
1059	1.27607703	-0.4803252	0.64608728	-0.4323257	-1.3271962	-1.3192259	-0.3103183
1060	-1.9332926	0.37267689	0.60316665	-0.2776045	-1.2287368	-0.4360638	0.50981925
1061	-0.6401404	1.04762438	0.74421132	0.71002157	0.04429597	0.13591059	0.19483111
1062	-0.7090557	1.13821883	1.55088465	-0.0534191	-0.154221	-0.6298937	0.61439084
1064	-0.4571108	0.58006192	2.16752395	-0.6856303	-1.1490301	0.06150014	-1.4812119
1065	1.31317105	0.07818817	-1.2917223	-0.4839585	2.1402333	3.18120766	-0.5063588
1065	-2.310904	-0.7825951	1.21385711	-0.9363809	-2.0307805	1.15114542	2.36337953
1066	-1.8267909	-0.1146078	2.70714754	-0.3851463	0.4685726	0.19094381	0.07963989
1066	-0.1192898	-0.072673	0.9541656	-1.7487435	-0.6293366	-0.2624104	-0.1078868
1069	0.77036137	-0.8784714	1.14430374	0.38211166	-1.577723	-0.7653264	-0.2889774
1069	-0.6212975	-0.5656562	2.29076275	-1.5790113	-0.4948384	0.08982286	-0.1869453
1071	1.23820923	0.29510084	0.18952199	0.50002041	-0.1562522	-0.5616977	-0.0269821
1072	-0.6142376	0.84476378	1.43705094	-0.2474439	0.75180241	1.16745986	0.43299464
1072	-0.5018977	0.20043544	1.21741915	-0.181981	-0.4201865	0.08372769	0.99075496

1072	-0.3629372	0.28074109	1.95177218	1.2833495	0.11978184	1.43211022	-0.2322133
1073	-1.1339517	-0.2986633	1.17421093	-2.5902262	-0.0757216	0.11318964	1.25395068
1074	-2.2484876	-0.1956698	0.02694902	-0.5257795	-0.238759	-0.0333588	0.16219582
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1074	-2.4452039	-0.5054941	0.16451114	-0.449658	0.46078393	-0.5090349	-0.4904777
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1074	-0.2955941	1.02274746	1.53459334	-0.1895363	0.41775909	-0.545109	0.99896751
1075	-1.0053815	0.03461844	0.5958544	1.33232383	-0.3214338	1.13384858	1.93802418
1077	-2.0953101	0.37240262	0.18665099	-0.4408857	-0.609495	-0.0737918	0.9232253
1077	-3.9367941	-3.670519	-1.4538205	2.29974999	-9.7494396	6.45641046	10.7840877
1077	1.05202671	-0.6099572	-0.4412517	-1.2839727	-0.6861896	-1.6555143	0.47715804
1078	-0.3407419	1.14625279	1.29425179	0.05924126	0.04094282	-0.9711093	0.73455721
1078	-1.1494231	-0.017161	2.04491291	-1.7277362	-0.7292867	0.19090017	-0.0739474
1079	1.31747032	-0.0407127	0.03201423	-0.3749849	-0.1810723	-0.370094	-0.1581193
1079	-1.6907937	-0.5736174	1.53647093	-0.3326944	1.10589638	-0.6397274	0.67701158
1079	-1.1147208	1.07651484	-0.6950103	-2.5703892	2.31114435	2.96251768	0.08217685
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1081	1.40569146	-1.7174528	-0.7660121	-2.096125	0.57136621	3.90435448	-1.8112614
1082	-1.5824468	-0.0034593	0.64763865	0.34805599	0.58868882	-0.6532306	-0.1263937
1082	-0.6612208	0.33848586	2.17842202	0.2233788	-0.4430821	-0.0811221	0.26781803
1082	-0.4695471	0.98492892	1.66669827	-0.0975193	-0.1364742	-0.6958958	0.58972623
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1091	0.95480919	-0.5385911	0.31023559	0.64346521	-0.8388926	-0.7589487	0.09863079
1092	-0.6279851	1.00892599	0.34409692	-0.2948135	2.2652225	0.42544287	0.97972589
1093	0.93403622	-0.6845869	0.16741608	0.46086603	-0.7246136	-0.2691825	-0.0933149
1093	-0.4901662	0.38540856	1.14530664	-1.941924	-0.1892899	-0.4489383	1.85896167
1094	-0.5233127	0.78131941	1.84751059	1.27410392	-0.4578496	-0.6092843	0.54148847
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1095	1.4489539	-1.1077344	-0.5040741	-1.7895604	-0.439035	0.32020062	-0.7182897
1095	1.31731674	-0.0304167	-1.0888742	-0.5578916	2.03090758	3.26777336	-0.5363075
1096	0.97887204	-0.0576218	0.27498143	1.2476868	0.41436912	1.38565669	-0.193881
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1097	0.71321947	-0.44105	0.02106766	1.43009725	-0.2514797	-0.1109286	0.42631062
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1113	-0.6860247	0.98097243	1.60706934	-0.1536406	0.12810905	-0.2184272	0.55836257
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1114	-1.1329622	0.20470448	1.58858078	0.07966395	0.38878501	0.11816217	1.37855369
1117	0.95617327	-0.4038272	0.34891311	0.62538903	-0.6728779	-0.7146906	0.22483707
1117	1.24098476	0.09654581	0.3699558	0.44056797	-0.3817174	-0.5130279	-0.1398277
1117	-1.3800389	-0.1309589	0.12517126	-2.168485	0.5484252	-1.7247075	0.03226853
1120	1.38018339	-1.1625846	0.54907428	-1.5592857	-1.3030201	0.08894847	-1.1963637
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1129	1.37809774	-0.7006259	-0.0879919	-0.6821258	-0.846295	-0.6336754	-0.5218996
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1139	0.9119633	-0.6010177	1.20804633	1.73068771	-1.0773337	0.74891536	-0.7613164
1140	1.22041166	-0.1298931	0.72140056	0.1288116	-0.8925537	-0.8699999	-0.3093611
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1148	0.95482416	-0.5637591	0.29959024	0.64446406	-0.8642717	-0.7587182	0.07415131

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1153	-1.9333937	0.36269437	0.60030165	-0.2762655	-1.2410342	-0.4393422	0.50047064
1153	1.12896325	0.15074236	0.42425532	1.27563576	-0.1062745	0.13921699	-0.0566475
1154	1.24754134	1.25179154	-1.6023246	1.6531269	0.7771105	-1.8454779	0.72975888
1155	1.31731576	-0.0409681	0.03192452	-0.3749199	-0.1811512	-0.3700652	-0.1580131
1156	-1.1762711	0.09170784	1.55196228	1.62836422	0.40787851	1.46842383	0.35666916
1158	0.89590745	-0.5527012	0.86715638	0.88014268	-0.7925923	0.38156881	-0.3817097
1158	1.1505594	0.21702797	0.50359296	1.0663625	-0.4615247	-0.7451744	0.04132181
1158	-0.3644685	0.47696185	1.50696214	-0.746919	0.01750223	0.02922681	0.31939929
1158	1.02415921	-0.6595989	1.16231363	0.24469655	-1.3681662	-0.1772008	-0.704552
1159	0.67693025	-0.4595339	0.31240021	2.85878058	-0.4220984	0.17213117	0.22954595
1159	-0.8178519	0.68588462	1.81393221	1.17368571	0.03921154	1.83876976	-0.1490055
1161	1.27346123	-0.505761	-0.2456337	-0.787426	-0.4040363	-0.5862368	-0.1210153
1161	0.73566196	-2.1783141	0.29767114	-1.023647	-2.0152398	-0.7525368	-0.4779062
1161	-1.0013237	1.26817216	1.95283844	0.79746853	-0.5745264	-0.2134328	0.3241758
1161	-0.8610874	0.22390552	1.89773262	-0.9195573	-0.0097161	-0.1954712	0.7420752
1161	-0.4694493	0.96204929	1.62920264	0.65646115	0.47299016	0.0072409	1.11500145
1162	-0.2850241	1.35392135	1.58826179	2.12917589	0.57456542	-0.0430482	0.77250869
1162	-0.7445033	0.9867998	2.28137072	2.6097686	0.09140105	0.71091759	0.01417538
1163	-2.262319	-0.5366906	0.97006472	1.9194522	0.20171927	-0.5783385	-0.3002941
1164	1.29274462	0.23849789	0.05174509	0.58094002	-0.234409	-0.7987523	-0.0190175
1164	0.93504666	-0.5847617	0.19606609	0.44747626	-0.6016397	-0.2363987	0.00017124
1165	-1.9789127	1.60638508	-1.1898114	-2.5182021	1.75054728	2.95665789	-0.5397152
1165	1.09229879	-0.003639	0.33747452	1.43544229	-0.2985228	-0.1973866	0.02990499
1166	-1.3626668	1.03437695	0.96254137	-1.6877913	0.30525376	-0.4524951	0.84029996
1166	-0.9285656	0.784634	2.86197637	2.96814326	-0.0034611	2.62564248	-0.1497037
1167	-1.8761841	0.36947547	0.48116032	-0.2041385	-1.2445994	-0.6574276	0.56308723
1169	-0.5540469	0.33678619	1.9456048	0.56990352	-0.2818158	0.2779205	-0.0573874
1170	-0.9407739	-0.4461711	2.16767916	-1.7681495	0.29753641	-0.5002577	0.4219208
1171	-1.3339004	0.71822542	1.21054721	0.06845396	-0.2442136	-0.9436019	0.08750809
1171	0.88667808	-0.1389703	-0.0080221	1.38089012	-0.2220741	-0.7815261	0.66647185
1173	1.07735468	-0.1994465	0.98304987	0.61662494	-0.975227	-0.6217298	-0.3292583
1173	-0.8702385	0.7557295	1.86789041	0.73784357	1.0009014	0.608626	0.53824519
1174	-0.062959	0.88186559	0.98773911	0.1041367	0.30946489	-0.5892987	0.58439327
1175	-0.7407563	0.37520716	0.83676719	-0.3152157	0.89575005	1.66616801	1.04089164
1176	-1.3631076	0.60892882	1.62559767	1.61337439	-0.1988163	-0.3616982	0.23748174
1177	-1.3191238	0.71014677	-1.0633883	-1.4528453	2.7412581	2.95838745	0.40297736
1177	1.23196148	-0.4344625	-0.353181	-0.3125959	1.43318641	3.95662798	-1.2019193
1178	-1.9787852	0.27950654	0.6463432	-0.2434173	-0.9710229	-0.6484261	0.15725524
1179	0.65738934	-0.6437894	0.94730205	1.25706491	-1.0681922	-0.2346028	-0.1345544
1180	-1.5041512	1.32329955	0.49785773	-2.4867984	-0.6001839	0.64987913	-1.7054083
1186	0.41903136	-1.8098451	0.29162006	0.41665293	-1.2626333	0.23531944	-0.1100045

1187	1.17389073	0.0450592	0.10132815	0.48099003	-0.1879475	-0.1433094	-0.2501135
1188	-0.9194528	0.58289266	2.56750071	0.08095912	-0.7361303	0.16336889	0.01665801
1188	0.97469244	-0.6184541	1.18918683	0.26065251	-1.2416272	-0.1401547	-0.5992023
1189	-1.5957272	1.2580831	0.48237655	-2.6298033	0.35131374	-0.2499075	0.12920523
1190	1.24203173	-0.109534	0.50612623	0.45407236	-0.2589389	0.37252129	-0.4761446
1190	1.31151053	0.38829674	-0.084504	0.46042199	0.19576595	-0.4884107	0.15311844
1191	0.97066141	-0.3168527	1.16724451	1.7647966	-0.7345969	0.62808568	-0.4371408
1191	-1.4788479	2.65076241	-1.1284944	0.14388586	0.78718693	-0.4343068	0.99847839
1191	-2.1546924	1.68805831	0.02084642	-2.645749	0.00865238	-0.3321475	-0.2594912
1193	1.13064571	0.62539081	0.83798713	2.50654261	-0.1071158	-0.2455479	0.09960314
1194	-0.8746221	0.43407361	2.50919124	-1.0112245	-0.7100183	-0.0687176	0.26133492
1196	1.36337526	-0.6148523	0.42578879	-0.8344451	-1.0191006	-0.5460282	-0.7259514
1200	-0.4286867	1.03980188	1.28383709	-0.1048292	0.27187071	-0.1743432	0.5577646
1200	0.97898261	-0.7331983	0.90797716	0.14081701	-1.0455097	0.18054023	-0.5845541
1201	0.16821567	0.52998844	1.80922824	1.09666785	-0.4737087	0.68231775	-0.6022048
1201	-1.8894185	-0.6255788	0.72230429	-0.7072308	3.31713243	3.24634398	-1.2788227
1201	1.17020672	0.41660267	-0.0611156	1.0425376	0.23647297	-0.5833991	0.50798885
1204	1.36456255	-1.1782679	0.65037085	-1.2839876	-1.7405038	-0.8776641	-0.9486825
1204	1.27477299	-0.4726151	-0.8562269	-2.2891937	0.05761913	-0.6624949	0.28643795
1205	-0.3218605	-0.2846401	0.50741612	-2.6988841	1.6474449	3.73553726	-0.7676201
1206	-0.2706696	0.27811169	1.68588745	-1.7974997	-0.0829929	-0.550431	0.7783033
1207	-0.5398146	0.95212598	1.70045316	0.69240434	-0.1212857	-0.4415392	0.52842139
1208	0.9521315	-0.6600036	-0.3511726	-1.4080603	-0.4864063	-0.9621045	0.34156495
1210	1.31167465	-0.0502897	0.0286503	-0.3725479	-0.184031	-0.3690144	-0.1541384
1211	-1.7223255	-0.5479046	0.11547681	-1.9970168	0.08186399	-1.2965628	0.56420372
1211	-1.1233115	1.0800043	1.86254063	-0.1102918	0.25656878	0.66511397	-0.2552371
1212	0.98504874	-0.054746	1.25422957	2.51670867	-0.7022193	0.58011382	-0.6294956
1213	1.14327553	0.09392302	0.94886767	1.80913902	-0.5259112	0.11177972	-0.4053984
1213	-0.4165794	0.18688161	0.84641364	0.51587965	2.11243068	4.68382235	-0.2610752
1214	1.31765654	0.41163666	-0.0191634	0.48761846	0.12725701	-0.576338	0.14044255
1215	-0.580728	-0.4393098	2.00589778	-0.5406175	-0.8702104	-0.3901667	-0.2605204
1216	1.23134463	-0.0233751	-0.3339024	0.89332707	0.5989226	1.0895453	-0.1724795
1216	-1.4361033	1.67797621	0.45647684	0.03985245	-0.6994404	-1.1496134	0.05062387
1217	0.8817275	-0.5181821	2.28848962	3.2231829	-1.7613697	0.76823868	-1.2398978
1217	0.87821255	0.15841984	0.86198985	2.59179761	-0.4106865	-0.3131088	0.22574797
1218	-1.9128963	-1.4095188	2.18200423	0.46868436	0.13695533	0.06996469	0.65012935
1218	-1.7998046	0.70352489	-0.4106183	-2.3785873	-0.8265358	-0.8421572	1.34248832
1220	1.19138089	0.27647179	0.64037994	0.63977823	-0.366606	-0.685643	0.06051004
1220	-1.7849102	-0.2899749	1.0858254	-0.1994788	-0.0136015	-1.1190474	0.55471898
1221	-0.5109372	-0.8480156	0.7445948	-1.6534092	-0.0601828	-0.0206304	-0.2434005
1221	-2.2089435	0.30973176	0.62361089	-0.2299264	-0.0625283	-1.4079049	-0.2400096
1221	-2.574077	0.79889893	-0.6944047	-2.2994043	-0.2244912	-1.5672674	-0.0051681
1223	1.18814979	-0.1393095	-1.2062338	0.29656676	2.14807968	3.62085143	-0.3874737
1223	-2.8496989	2.21270733	0.30031906	-2.8018387	0.00066653	-0.168952	-0.5261681
1223	1.25089338	0.32966371	0.29848069	0.69789509	-0.394459	-1.0777177	0.07521646
1224	-1.9569349	0.48441	-0.5144483	-2.2015109	-0.8308958	-0.7610384	0.79704941

1225	-3.4101889	2.63985252	-0.1609614	-2.8172036	-0.339776	-0.2527785	-0.9162366
1225	-0.4871137	1.07993469	1.56253508	2.21766727	-0.7247709	0.16980362	-0.1259615
1227	-1.1137059	-0.2909501	1.11799841	-0.1591996	1.42717141	-0.8568618	0.19947556
1227	-2.7495253	-3.3008789	1.93308162	0.3123969	1.44233028	-1.4213971	-0.535266
1227	-2.6686039	0.69597476	-0.8084873	-2.1461776	-0.3199492	-1.4210153	-0.4942775
1227	-2.7678824	2.21015663	-0.1501792	-0.0410777	-1.1373744	0.39430623	-1.0378357
1228	-0.6930975	0.72089746	0.48792561	1.54528272	-0.1233429	0.15190571	1.82182235
1228	-0.1982187	0.46906003	0.08493175	-0.9809481	2.47642893	3.72273646	0.25787233
1229	-1.1616645	-0.343536	0.7071842	0.39178376	2.15944943	-2.1873194	0.60756185
1229	-2.0056908	0.93503438	-0.6287396	-2.1780083	-1.0942001	-0.9212214	1.02166413
1230	1.33432926	0.40731475	-0.4816044	0.92252564	0.35218008	-0.7453594	0.46948355
1230	-0.7148825	1.10433525	1.31676525	-0.3259509	0.30974751	0.06522731	0.51387652
1231	1.34399702	0.30158252	-0.4465369	0.19200333	0.57952675	-0.0535508	0.25661696
1231	-0.5518756	1.2613477	1.92256026	2.62232322	0.59622711	1.66925924	0.18545201
1231	1.29148713	-0.558409	-0.0694313	-0.5529869	-0.8740392	-0.8591032	-0.5644191
1232	-2.7803207	1.02974506	-0.9124675	-2.0986891	-0.4916353	-1.6467035	-0.3263139
1232	0.73839633	-1.0020647	1.24191951	1.77731	-1.1170513	1.06465258	-0.7137812
1233	-0.4131346	1.01240569	1.42999164	1.29463557	0.11512395	0.06481865	0.60682231
1233	0.10714681	1.11943567	0.24169098	0.8959829	0.64246899	-0.6818257	0.95269634
1233	-0.956865	1.48380102	1.60187291	0.88411504	-0.0948971	-0.0151435	0.30549609
1234	-3.344279	2.61924014	-0.6444193	-0.0498555	-1.5565762	0.35831014	-1.3531354
1235	-1.6583025	-0.1168012	1.35152824	-0.9310919	-0.0841594	-0.073014	0.08703678
1236	-0.9327845	1.14467179	1.57612855	1.41549854	-0.7599973	0.227839	1.73995934
1236	0.9892754	-0.7293407	-0.5930784	-1.5279053	-0.2896108	-0.667475	0.27767614
1237	-0.2347155	0.11621325	1.62824274	-0.4638168	-1.1344195	-0.9623139	0.45475742
1238	1.10770542	0.04397293	0.14264271	1.43124963	-0.1629593	0.07696574	-0.1924461
1238	-2.0114921	-1.5011683	2.39562921	-0.2369538	0.68965439	0.49694359	-0.2480203
1238	0.9716694	-0.6239309	-0.2410422	-1.2117709	-0.73336	-1.4826984	0.42963775
1239	-1.4236079	-0.1840141	0.0978615	-2.2164866	0.72681038	-1.2590456	-0.049917
1240	-1.3692641	-0.4122412	1.63045496	1.5190271	-0.7805089	0.77713079	-0.3547498
1240	-1.4412139	-0.0786043	0.44989776	-1.9003522	0.2830612	-2.074269	0.10204463
1241	-0.1542485	-0.1558275	0.30666472	-2.3682293	-0.4695843	-1.5465183	0.28610726
1242	-1.9345138	0.3986837	-0.6763787	-2.2700477	-0.7614392	-0.5914605	0.71705476
1244	0.98554829	-0.717561	-0.3560154	-1.250699	-0.735928	-1.3852824	0.34180091
1245	-2.6461827	0.61024847	-0.9704178	-2.2147144	-0.2504925	-1.2514375	-0.5742721
1246	-0.4848112	1.0128351	1.23335814	1.05308456	0.50378874	-1.4079468	1.10031331
1246	-0.808671	1.2183622	0.87074418	1.1059642	0.61190103	0.48873062	0.45078856
1247	-1.427335	-0.1722344	0.33492454	-1.9392803	0.28049323	-1.976853	0.01420779
1247	-0.9874717	1.41206194	1.44627561	3.03966739	0.10483062	2.37466918	-0.719122
1247	1.05554954	-0.2821193	-0.0747889	0.25172684	0.83353398	2.30739937	-0.4881786
1248	-0.5847598	1.19551107	1.85441597	1.61854732	0.37265661	0.78686148	0.55624557
1248	-0.6663135	0.7370267	2.59220302	0.70308808	-0.335151	0.37466669	-0.0423505
1249	1.17186084	-0.4838215	1.66711208	0.54896363	-1.5870261	-0.0776833	-1.1143725
1250	1.11494312	0.21782996	0.23881699	1.16328033	-0.2513443	-0.9183748	0.37142655
1251	1.29101351	-0.429954	0.1666808	-0.5229474	-0.8471997	-0.6773299	-0.6515323
1251	-4.4790137	-2.884368	0.63337472	0.22465208	-1.047208	1.39240704	2.62045777

1252	0.99515779	-0.6218259	-0.3258516	-1.3567403	-0.6860053	-1.4358761	0.40979733
1252	-0.4847371	1.59111216	0.52080415	0.63268424	0.84521404	-0.9064957	0.99320792
1252	-0.7198334	0.92027477	1.32020246	0.71356406	-0.4520784	0.24313197	0.14616858
1252	1.29617269	0.2228131	0.30052625	0.5057613	-0.2567929	-0.7133273	0.03584412
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1253	-1.6792993	-0.5097269	0.14079782	-1.9456968	-0.117735	-1.7703344	0.63243611
1253	-0.9739753	0.80959069	1.5358631	-0.6680102	0.38823126	-0.630346	0.55236072
1254	-2.1639626	0.11288156	-0.2289531	-1.9890058	-0.1621052	-2.0416781	-0.1564199
1256	-2.5947039	0.79211551	-0.7491933	-2.0730815	-0.9382247	-1.8199451	-0.102909
1256	-1.1831982	0.79921911	1.80586108	-0.239795	-0.069969	1.22390948	-0.5013163
1256	1.35075732	-0.3328665	0.00145303	-0.5947628	-0.6845858	-0.8272803	-0.4826965
1257	-0.6750051	0.94774972	2.94902012	2.74639224	-0.4365282	0.84944261	-0.3696231
1257	1.29148858	0.25312727	-0.4129772	0.11580456	0.77136211	0.7265154	-0.0876194
1259	1.25875757	0.43099873	0.32830241	0.68292	-0.280232	-1.0495079	0.15457685
1259	-1.1137757	1.02526406	1.23196422	-0.0404249	0.11788031	-1.153782	0.54679726
1260	-2.9018098	2.24304016	1.2404166	-0.4937569	-0.4166909	2.46644694	-2.139862
1260	1.23955888	-0.0294674	0.04635185	0.39540242	0.26856024	0.75097553	-0.2335467
1260	1.25941844	0.20931826	0.50189612	0.62694969	-0.5312683	-1.0070385	0.02434775
1261	-0.8835286	1.17397363	0.96729781	1.12595422	-0.5188992	-1.1393585	0.41326167
1261	1.00886383	-0.6882767	-0.4815155	-1.3322854	-0.5304158	-1.1864297	0.37042325
1261	-0.2257906	-0.8594524	1.33021254	-2.3731854	-1.0551679	-0.8762049	0.33040949
1262	-0.775746	1.23331541	1.1751402	0.02174959	-0.4593955	-0.9390457	0.37100583
1263	-0.3855182	0.79674819	0.81025573	-0.5879379	0.91721531	0.84224853	0.38233384
1264	-11.140706	-9.6127262	-12.389545	6.01334629	-32.092129	21.3930688	34.3031769
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1265	-0.2686116	0.04978868	-0.1386215	-1.8748355	-0.4422321	-0.6627722	-0.418489
1266	-0.8344211	1.59410336	1.09368673	1.4303395	-0.4104511	-0.4703976	0.86149832
1266	-3.5592363	-3.8278858	0.76001427	-0.0887718	5.36938192	-3.0164692	-1.9780577
1266	-1.8692806	0.45697236	-0.4337183	-2.0261828	-0.846346	-0.5340806	0.01434182
1266	-2.1481282	1.03982668	-1.0024188	-0.9295062	1.78927953	3.43172629	-0.6315358
1266	0.987118	-1.0695226	0.62748479	0.53802521	-1.3158475	0.12676062	-0.7588373
1267	-0.7501029	-4.967487	-0.0327465	-0.2244365	-3.2051149	0.42730707	-0.1972425
1268	-2.5812339	0.66800939	-0.7277108	-1.9707412	-0.3349856	-1.1943533	-1.2772409
1268	-1.7888476	0.59927118	-0.1277028	-2.0469431	0.12818267	-1.1291495	-0.9633418
1269	-1.3257813	-0.9451735	2.31845027	0.08517802	0.09695684	-0.6753674	0.18748973
1271	-3.4386168	-2.3579819	0.30765451	1.0076224	1.74212354	-0.1981829	0.52797786
1271	-0.6576161	1.03537184	2.29914192	2.92166956	-0.0947452	0.89502041	0.26712551
1271	1.06332098	0.19998231	1.35727642	2.66047965	-0.7171812	0.24814292	-0.50213
1271	1.35483442	0.34830044	-0.2714594	0.36049229	0.34970008	-0.2614013	0.08698494
1272	1.31613731	-0.0429154	0.03124052	-0.3744244	-0.1817528	-0.3698457	-0.1572037
1274	-0.6160949	1.51075123	0.44466439	0.85504273	-0.1032473	-0.527251	0.54177649
1280	-0.3255834	0.40055822	1.56222263	-0.3263074	0.0536725	-1.2752647	0.90806712
1280	1.31731674	-0.0304167	-1.0888742	-0.5578916	2.03090758	3.26777336	-0.5363075
1280	-0.992592	1.30499747	0.63935806	-0.1712206	-0.0665377	-0.1092045	0.0583138
1280	-1.3764446	1.61400623	0.69927263	0.02109153	-0.7920639	-1.0306688	-0.0229739

1282	0.39656857	-1.9771268	0.4053868	0.98464901	-1.7998865	-0.2672324	-0.1895646
1283	-1.0189536	0.15175584	1.73727252	-0.373036	0.8029964	-0.7430394	0.19190488
1283	1.20709876	-0.3001115	-0.311003	0.16498943	1.54326472	4.05865023	-1.140805
1285	-3.8356594	-1.9555103	-0.4040669	0.43887317	1.78782221	-1.0661121	-0.2755142
1286	-1.9536894	2.02036956	0.22085214	0.01198267	-1.1641028	-1.0966461	-0.3809329
1287	1.0484291	0.25256893	-0.7436489	1.33740467	0.30079657	-0.6969756	0.45116471
1287	-1.0728693	0.89128966	1.3747415	-0.7836046	0.08291034	-0.3166021	0.567405
1288	1.05266144	-0.4684867	1.04505234	0.72562639	-1.0145311	0.20678089	-0.7262186
1290	-1.2684694	0.97827549	0.15571609	-1.8948917	2.53856879	3.5536004	-0.2733174
1291	-1.120905	-0.4836995	2.57472024	0.23185599	0.57327416	1.41650265	-0.2763403
1292	1.02453821	-0.4096676	-1.3011975	0.36536109	2.06455446	3.65132856	-0.2750917
1293	-1.4343476	0.01246998	3.32738623	-0.7382252	-0.6305245	1.6697133	-0.6853914
1294	-0.5816805	0.57784901	0.05904217	-1.7251079	2.45892314	3.4812512	0.16095879
1295	1.31636613	-0.5297362	0.10609807	-0.6155623	-0.9988123	-1.0587497	-0.284262
1295	-1.3603152	0.22233934	1.94344145	-0.3848577	1.00015042	-1.3595801	0.52932431
1296	-2.358461	1.63870489	1.20569409	-1.099898	-0.812254	-0.5900065	0.41312122
1297	1.18724113	-0.1961401	0.11650804	-0.0466637	-0.4600143	-0.6146874	-0.0952132
1297	-2.5777864	-0.8714372	-0.6483504	-0.197175	4.15173556	2.51679161	-1.7665329
1297	-2.650763	-0.5028784	0.04451726	0.63248155	-2.5108948	1.70492974	4.80634727
1298	-4.2208801	-5.4145811	2.59847253	-0.5170588	3.67505121	-2.1131701	-3.9998055
1298	-1.1192145	1.08216955	1.31146043	-0.8132516	-0.0745995	-0.1420968	0.26940961
1300	1.21890844	0.24598907	0.54668955	0.49829649	-0.3661725	-0.6527618	0.00022312
1301	-0.8168836	0.98461881	1.31609865	-0.726893	0.10527508	-0.4907517	0.69791712
1302	1.00484446	0.08936217	-0.2044245	1.20898164	-0.0252938	-0.8084844	0.59448193
1302	-0.7056902	0.39264488	1.20049321	-1.0935907	0.52300465	-0.5068541	0.7717754
1303	1.19165792	0.28866781	0.40699401	0.72322871	-0.3783756	-0.7991768	-0.0123925
1303	-0.8217829	1.44269417	0.86676467	0.89824737	-0.1397863	-0.8047842	0.48318596
1307	-0.31321	0.88601323	1.4504381	0.77349683	0.03107042	-0.5688704	0.85796819
1308	-1.3223129	0.86359097	1.84423396	1.08937538	0.77100497	0.15219068	1.49151422
1308	-1.3223129	0.86359097	1.84423396	1.08937538	0.77100497	0.15219068	1.49151422
1308	-1.3798484	0.53671968	2.64787014	1.40811125	0.12644216	0.9865248	0.96025099
1308	-1.3798484	0.53671968	2.64787014	1.40811125	0.12644216	0.9865248	0.96025099
1309	-0.4711806	1.03129939	1.67918945	-0.1033997	-0.0786514	-0.6774017	0.64096804
1309	1.35018419	-0.7838713	-1.4304951	-2.9891396	1.52723626	2.97113024	-0.7407087
1309	-0.8536332	1.10875366	1.57281124	-0.6153243	-0.0215559	-0.7624244	0.8121919
1309	1.04237118	-0.6646289	1.49407325	1.13570329	-1.2665315	0.67905689	-0.9830974
1310	-0.7651422	1.28465337	1.01274827	0.14043298	-0.3347136	-0.7384902	0.30759409
1310	0.94369238	-0.4890195	1.1151085	1.79299074	-0.9075602	0.59024583	-0.5410505
1310	-0.3837023	1.01072905	1.71514413	1.21617712	0.16422598	-0.3283183	0.65659755
1312	0.86272308	-0.5830223	1.54475361	1.32318197	-1.4507835	0.14303038	-0.8545623
1313	-0.6029563	1.13415612	2.51382095	3.10618543	-0.3587718	0.58246037	0.01794096
1313	-0.7661624	0.87087822	1.89227426	1.34244138	0.53350568	0.32851019	0.08616911
1313	-1.3602619	1.54273489	1.65678112	0.96688852	-0.5127825	-0.3219641	0.17481755
1314	-0.9674448	0.77471379	1.33420444	-1.0894851	0.41290361	-0.1783978	0.66848332
1315	-1.4044192	1.19201412	0.72876659	-1.0082246	0.00044741	-0.2337542	0.29913253
1316	0.99338952	-0.7965199	-0.3759891	-1.3333082	-0.9012096	-1.4932476	0.24619661

1316	-0.6144214	0.7083487	1.3997507	0.91716627	0.49931493	0.48994013	0.63975225
1316	-0.8385945	1.01691793	1.54509798	-0.7359032	-0.1575218	-0.7058997	0.66399868
1316	-0.80334	0.86113707	2.1904241	0.10869912	0.07267209	-0.406774	0.40262638
1317	-0.3917569	0.59109428	2.7528361	0.72635941	0.35903058	0.7810807	0.99496013
1317	-1.4012822	1.44145171	1.08476801	-0.7504535	-0.4918065	-0.7938167	0.26799128
1319	-1.4194938	-0.2511934	0.31495084	-2.0218895	0.11521163	-2.0848182	-0.0813965
1320	-0.6413546	0.80396452	1.62076484	-0.2725344	-0.2558399	-0.4587788	0.59462626
1322	-1.9303997	0.33150446	-0.4592894	-2.0754506	-1.3730379	-1.4172332	0.68557522
1322	0.90186865	-1.9130977	0.09766807	-0.9576164	-1.737506	-0.7648568	-0.383617
1323	-0.4924896	1.23746291	1.88112018	2.04071612	0.50134483	0.19060308	0.6172618
1323	-0.8738153	0.8980185	1.45186701	-0.7757837	0.05742797	-0.2561611	0.58869018
1323	1.0822606	-0.0573066	1.02397555	1.75561734	-0.6931618	0.28767808	-0.5970545
1323	1.23271307	-0.3612251	-0.1486482	-1.3421763	-0.6840115	-1.316641	0.11216885
1324	1.06621951	-0.975274	0.55869614	-0.2759404	-1.2836687	-0.6006686	-0.4329095
1326	-1.1150196	0.97767684	1.67328975	0.51557932	-0.3575464	0.11845789	-0.1546033
1328	0.98855313	-0.7740503	-0.6024881	-1.5195313	-0.3503134	-0.6906542	0.23671533
1328	-0.8740304	0.83802708	1.43236824	-0.7690598	-0.0135886	-0.2726393	0.53252869
1328	1.21841815	0.12248455	0.51132556	0.51470877	-0.5194953	-0.6938855	-0.1171653
1332	-0.6953502	-0.9738529	2.45247939	-0.6763758	-0.1266564	-0.2408144	-0.8785161
1332	0.908748	-0.2906162	1.15506458	1.29210377	-0.7037242	0.59112131	-0.558497
1333	1.14562773	1.18933701	-1.5136876	1.53233002	0.96104952	-1.1582543	0.5859353
1335	-2.290848	-0.724845	3.09071502	-0.7467793	2.16953299	1.97517705	2.22527234
1335	-2.9799061	2.35728227	-0.605154	-3.1109431	0.87419079	1.2638289	-1.4156205
1339	-1.0623498	1.11397373	1.58696627	0.57235971	-0.2180469	-0.0408152	0.06829702
1339	-0.3394413	0.92336117	0.77450141	-0.3683422	0.7319169	0.45188498	0.4230014
1340	-0.2784639	1.31074251	0.47743236	0.10236409	0.87853794	-1.0149888	1.06820116
1340	-0.839706	0.90711025	1.51358296	-0.7211745	-0.292793	-0.7419619	0.56116394
1341	-0.3663922	0.92063492	2.23238928	3.19424493	0.37551747	0.0343865	0.47979817
1341	-0.9926115	0.90107205	0.88814153	0.96637772	-0.0611282	-0.9406195	0.51620696
1341	-1.4023936	1.33164403	1.053253	-0.7357248	-0.6270777	-0.8298788	0.16515654
1343	1.30973147	0.2611233	-0.0630522	0.5091016	-0.04823	-0.6210225	0.0140339
1344	1.20305473	0.24736216	0.6316212	0.54748722	-0.4695971	-0.7710084	0.00373011
1345	-0.3162504	0.92456842	2.49896238	0.58619513	-0.2901099	-0.7291952	0.73187058
1345	-0.8042249	1.317543	1.3287755	-0.0683333	-0.3499498	-0.7304247	0.29173139
1346	-0.4710029	1.06575808	0.94969041	0.76286833	0.94848615	1.18451797	0.67907927
1346	1.0754801	-0.774728	0.2063677	-1.3267515	-0.663294	0.14066125	-0.4768606
1347	-1.1621671	1.33063618	0.85753537	-0.9721834	0.11959256	-0.4765373	0.66548031
1347	-0.8912612	1.0782316	1.47584787	-0.2019362	-0.0561932	-0.2626512	0.45067511
1349	1.01413883	-0.3479023	1.42947675	0.49937704	-1.0946913	0.26466797	-0.8897185
1349	-1.7261911	1.75268963	0.39742427	-0.9862246	-0.2127475	-0.5658447	0.26827044
1350	-1.2199696	1.4849739	1.24716152	-0.7926094	-0.1272462	-0.9138756	0.80692883
1351	-3.5627258	3.44195895	-0.2899438	-0.8601151	-0.4137677	-0.5516902	0.17090632
1351	1.00425501	-0.0012388	0.33210547	1.4552511	-0.1650108	-0.1400044	0.23257518
1351	-1.7839936	1.90702735	0.78705042	-0.8066506	-0.4595862	-1.0031829	0.40971896
1351	1.07610615	-0.9863715	0.26887313	-0.0328707	-1.0617995	-0.1507916	-0.4465135
1352	1.29926838	0.35362395	-0.1525627	0.77975359	0.43292526	-0.1046651	0.24494902

1352	-1.0395903	0.2456593	1.2323058	0.37113257	-2.4953558	0.84109385	2.24831092
1353	-0.4765538	0.88400698	1.4271123	1.32311381	0.1690738	-0.0129027	0.49865424
1353	-1.4817599	1.56651774	-0.5073264	-0.0108146	2.36717774	4.04525223	-0.2438566
1354	-1.1892931	-0.747637	1.06471173	0.86230827	1.60591893	-1.7464258	-0.2052039
1354	-1.160904	1.45541763	0.89334788	-0.9889206	0.27330985	-0.4355576	0.78233797
1355	-1.7249281	1.87747108	0.43323678	-1.0029618	-0.0590302	-0.524865	0.3851281
1355	-4.554545	1.41986651	0.2122617	-2.3415532	-2.6238207	2.56634517	-4.5331017
1356	-0.7086591	1.36057285	0.7045541	-0.1033189	0.06984743	-0.7281334	0.72397403
1356	1.05746968	0.00326298	0.33913841	1.44389591	-0.2419335	-0.1779433	0.11596978
1356	-0.703268	0.86836222	0.70465255	-1.1790613	0.67028083	0.37644407	0.53107157
1356	0.81788955	-1.1031491	0.77737449	0.15843735	-1.0801941	0.62687926	-0.7037396
1357	1.09142477	-0.3527743	-0.0620792	0.46806081	0.09497	0.75219197	-0.20714
1358	-2.0298224	1.86686857	0.60492426	-1.3107954	0.57177415	0.38638507	0.33167045
1358	-1.2659556	1.292896	0.24432259	-1.1936116	0.33599612	0.28852716	0.13506417
1358	-0.3680931	0.19326076	2.09464381	-0.3980797	-0.7466662	-0.0881704	0.03521712
1358	-0.5891533	0.75657434	1.34856029	-1.4896702	0.04629545	-0.804692	0.78020474
1359	-2.5906414	2.29356122	0.14364166	-1.3262568	0.23019788	0.30336649	-0.0560972
1359	-0.6537321	0.72818116	0.6011618	-1.625425	-0.463195	-1.417209	0.44696671
1362	-1.2303661	-0.1611127	-0.0473792	-2.1540592	2.96551143	2.74330466	-0.2035734
1363	-0.3675207	1.14280204	1.43544802	0.13937769	-0.1104858	-1.1761009	0.71502329
1364	-1.1960187	0.64852934	1.06188605	-0.7458395	0.44637648	-0.3743088	0.60343951
1364	-0.7695468	0.88248228	1.98498579	0.98715668	-0.2609675	0.32947389	0.04578347
1366	-0.7223569	1.02917788	1.08447926	-0.8634637	0.27974209	-0.4373849	0.73481437
1367	-1.2850446	1.45371166	0.6241493	-0.878014	-0.0545426	-0.5253018	0.33880697
1367	-0.1835491	0.84633933	0.77086134	-0.0787663	0.61827265	-0.6138997	0.8188326
1368	1.36866949	-0.8167156	0.27257228	-0.7344663	-0.9007454	0.00278613	-0.8546243
1372	-0.9617471	1.07403318	1.46595282	1.11482599	-0.0012623	0.37576993	0.38277616
1373	-1.8675657	-1.5168254	1.83245731	-1.2568139	-0.6603341	0.38904577	-1.237955
1377	1.31538388	-0.0441604	0.03080321	-0.3741076	-0.1821374	-0.3697054	-0.1566862
1377	0.92025155	-1.1948264	-0.6553455	-0.7825608	1.1495418	3.93684162	-0.9958434
1378	1.20972759	0.57932279	0.06921822	2.5139659	0.01261283	-0.8929931	0.44357788
1379	-1.311838	0.32557431	1.61045516	1.60361516	0.51558259	-0.7408603	0.01944837
1379	-0.7156061	0.51368924	0.96101477	-1.1983942	0.58352062	-0.8295202	1.32061523
1380	-1.5017876	1.1626436	1.1454538	-1.5343636	-0.7158082	-0.9875401	0.43777333
1382	0.95607123	-0.4084148	1.23396183	1.56816189	-1.3662361	-0.4564575	-0.5518294
1382	1.2325203	-0.5765526	0.65058311	-1.758986	-1.3452155	-1.2793837	-0.3814157
1382	-2.0060536	1.06509351	2.46215558	1.40249482	-0.7230366	0.15177658	0.44739752
1386	-2.5619643	-0.4649307	1.43375117	-1.2192004	0.58642684	0.89222181	0.32205387
1387	-0.2476349	0.36792989	0.85326868	-0.7270007	-0.1079087	-0.2203771	1.06446481
1387	-0.7796316	0.96209681	0.93939742	-0.2562404	0.99623711	1.23573323	0.31405442
1387	-0.2657186	0.97098087	1.32893822	-0.1175937	0.3983899	-0.6251767	0.77120569
1389	1.44774299	-0.1790195	-0.1680951	-0.6723273	-0.4941845	-1.360098	0.0778092
1390	1.10514019	-0.3019519	0.41020853	0.82579903	-0.8169011	-0.7544984	-0.077428
1392	-0.9699321	0.80820331	1.66804225	1.11679747	0.52804371	0.54245734	0.35849687
1395	1.22850663	-0.0704464	0.1988733	0.46277458	-0.0223665	0.348405	-0.2058679
1395	-0.7928394	1.09842404	0.61747913	0.70767017	0.94021875	-0.4397799	1.73584331

1396	1.17245282	-0.7268104	0.52591672	-0.5906625	-0.4139632	1.03937539	-0.8324314
1396	1.00871949	-0.3690103	0.96384069	1.39865408	-0.9669584	-0.0480337	-0.5210395
1396	-0.4351349	1.05236466	1.70115083	0.04545335	-0.2376429	-1.0865205	0.7079278
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1820	-1.4257904	0.44926088	1.13022562	-0.9603243	-0.2891554	-0.9319559	0.72059768
1823	-3.0730613	1.55473296	0.72872142	-0.9374436	0.92860435	4.9741299	-0.7861619
1824	-4.4680507	4.07009119	-0.1489064	-0.9720096	-0.7932191	-0.8434367	0.63003265
1825	0.87347372	-0.9852904	0.57643586	0.21584829	-0.9387928	0.17539611	-0.3515181
1826	-0.9360682	1.58998677	0.38282199	0.92012158	-0.5155505	0.50845571	-0.6675215
1826	-0.4806964	0.66489128	1.4483449	0.12540526	0.31713017	-0.3392144	0.72665275
1827	1.15717186	0.00171425	0.58651324	0.84154772	-0.3569156	-0.096327	-0.1102574
1827	-0.920908	1.2669659	1.21219665	0.67875133	0.20328312	-0.0977711	0.68567379
1828	1.08632012	-0.5080746	0.57289264	0.24028428	-0.9119498	-0.1738011	-0.4999031
1828	1.08078195	-0.177229	0.20481057	1.3692891	-0.2285448	0.03551497	0.00541103
1828	1.27715293	-1.2973272	0.31262918	-1.6406372	-0.7737661	1.31726308	-1.4074728
1831	-0.683027	1.41729353	0.20818684	0.79906323	-0.8855852	-0.7829843	0.09684471
1831	1.17152023	-1.4370903	1.08658809	-0.1368457	-1.7439955	0.65139949	-1.3824688
1832	-0.7294429	1.12000982	1.40789144	0.12808571	-0.0213193	-0.8523462	0.59181962
1834	-0.6803217	0.39278193	1.4820517	0.11572227	0.23483772	-0.2320618	0.14993971
1835	-4.1744161	2.74865307	-0.7760325	-2.0243363	-1.5497503	0.01185837	0.56468099
1836	-0.6286195	-0.0988685	2.4459548	-1.8455875	-0.9779202	0.13104018	-0.3240241
1837	-1.9876471	2.0424254	0.72164501	-0.964372	-0.8397403	-0.8194772	-0.4332111
1838	-1.5472693	1.73321822	0.56804594	-0.1184093	-0.2026772	-0.7214388	0.58557534
1839	-3.766355	0.00115241	1.29138856	3.63539311	-0.1181666	-0.0671627	-2.2864465
1840	-0.5210168	1.08373828	1.67119361	2.9954547	0.0813438	-0.5678087	0.35900399
1840	1.0386111	-0.5599411	1.65132447	1.63914954	-1.2924601	0.98549005	-1.2079154
1840	-4.1023627	0.80980718	0.66710918	3.49495604	-1.5217509	0.58158851	-1.4982088

1841	1.16113245	-0.0897912	0.6954724	0.83206172	-0.7309287	-0.4032346	-0.2628847
1842	-1.3107469	-0.2732543	1.69099814	0.17518352	1.16442501	0.75026045	-0.3212623
1843	-4.7099455	1.2590433	-0.3578794	3.49721889	-3.570723	1.58393198	-0.2424608
1844	1.11534819	-0.5627881	0.09287038	0.37192283	1.1842826	4.41714273	-1.508972
1845	-0.6494542	1.01132025	0.31321793	-0.4348591	0.59172742	0.52118019	0.48808262
1847	1.23835134	0.62742054	0.20900264	2.50083412	0.27532852	-0.2463364	0.34803273
1848	1.12380271	-0.5173049	0.35165965	0.11475405	-0.6467344	0.13207216	-0.5065923
1850	-1.8521738	-3.1697195	-0.1508234	-1.2771747	-3.6845878	1.43314899	3.41475656
1851	1.20446122	-0.0844532	0.47903585	0.70342508	-0.4566058	-0.0968018	-0.2688805
1851	-0.6803414	0.62974598	1.44928092	3.22446424	-1.1242229	1.10813707	0.28180457
1851	-2.4773323	1.99557922	-0.6792977	-2.9798526	2.05227997	3.07434016	0.16012479
1853	-1.479315	1.62367401	0.99152514	0.7692018	-0.2136896	0.11762206	-0.3017527
1853	-0.6047648	1.11817823	1.1867878	-0.0492294	0.30781538	-0.021045	0.63412609
1855	1.35518808	0.38323925	-0.2614319	0.35580587	0.39274092	-0.249927	0.11970509
1856	-0.6063764	0.40964065	2.20577558	-0.0553085	0.24210631	0.78760419	0.21135906
1857	1.12131416	0.13131865	0.50412687	1.32591439	-0.2483709	0.00790188	-0.0917392
1858	-0.9486931	0.5451387	2.12288474	-0.117245	0.4756891	0.58163611	0.70522807
1860	-1.4783309	-0.7054384	1.31670384	-1.3940092	-0.4337799	2.47856992	0.60708169
1860	-0.4552575	0.94751079	0.8744822	0.72576529	0.59497611	-0.2477559	0.983373
1861	1.13827096	-0.1369415	0.58351245	0.73168301	-0.4440729	0.18303467	-0.3517123
1861	-1.8961383	1.6145635	1.31301198	0.56911513	0.2976095	-0.2135903	1.68629651
1862	1.19615379	0.19366508	0.52927273	0.50980895	-0.3961577	-0.653469	0.00172588
1863	-0.8533682	1.1865712	1.21414366	-0.2906869	0.44185736	-0.4320705	1.03138928
1864	0.92887965	0.03080967	0.31037841	2.50596286	-0.1966637	-0.2276677	0.25254354
1864	1.18681573	0.28232524	0.50816941	1.05490565	-0.2371383	-0.4268361	0.0054163
1866	-1.7661204	-0.5017452	2.57986336	-2.3869803	-0.4839333	0.4137861	-0.0863639
1867	1.16394208	-0.4093132	-0.3535898	0.60051237	1.6147948	4.38860844	-1.0344585
1868	0.16656516	-2.0576541	0.67899301	0.45532313	-1.6517823	0.36327221	-0.2754233
1869	-0.3616249	1.47261716	0.16905453	0.12928293	-0.0342932	0.33901919	-1.3623149
1869	-1.2883505	0.6663717	2.31532592	-1.4885833	0.48083525	-0.702807	1.44661256
1870	-2.722752	1.58404504	2.28224612	2.31850001	-0.1980833	1.7835139	0.49994506
1872	-1.2716677	1.88904711	1.30446324	2.48437985	-0.0333943	0.98219831	-0.1301412
1872	1.22552747	0.16202658	0.42964843	0.49875142	-0.2943454	-0.5096163	-0.0388385
1872	-0.5521706	0.34828865	0.47451353	-1.1321357	2.39344366	3.53614806	-0.2841041
1873	1.21787789	0.04205801	-0.3200997	0.88508498	0.70748767	1.13020497	-0.0793914
1873	-1.8908525	2.05333226	0.1195365	1.31692335	-0.9516308	-0.1677683	-0.5672823
1874	-2.482454	2.30890295	0.32126356	-0.9266737	-1.1134413	-0.9062899	-0.848198
1877	1.23916019	-0.1178707	0.26748262	0.59117117	-0.2435135	0.17397857	-0.2974293
1878	0.70884185	-1.2854456	0.61520165	0.36498318	-1.2720285	-0.0187085	-0.3212556
1880	-0.0880838	0.86694215	1.23776686	1.31109799	0.14355501	0.03765216	0.66815536
1881	1.22784207	-0.0609138	0.8420382	0.89073076	-0.2452956	0.96962004	-0.8597743
1881	1.1319793	-0.0533588	1.18220697	1.14738125	-0.7217916	0.3171895	-0.6321417
1882	1.31747032	-0.0407127	0.03201423	-0.3749849	-0.1810723	-0.370094	-0.1581193
1883	-1.6475865	0.56359395	0.93725683	-1.2468236	0.08481963	-0.5979218	0.53156088
1883	-0.4916006	0.80298511	1.66139264	1.20974928	0.15965116	0.43395611	0.50047491
1888	-1.9271414	1.36822007	3.493593	2.62321107	-0.1625672	2.24226851	-0.2323997

1889	-1.8238131	1.51251499	2.37447529	3.00694311	-1.2378438	0.95936086	-0.6462611
1890	1.12608983	0.08066738	0.55968462	1.01309758	-0.2201023	0.23376652	-0.3097745
1891	-0.3697848	1.04350194	1.27480614	0.07919425	-0.018409	-1.0072135	0.67130338
1892	-2.1830038	-0.4010995	0.86427686	1.25684946	0.79713778	-1.3778059	0.37229005
1895	-0.7694431	1.33625433	1.20429496	0.00583332	-0.3313188	-0.9095764	0.4493315
1895	-4.1213885	3.4615155	0.55393076	-2.4515392	-0.4082425	-0.96962	1.32082311
1896	-0.9207504	-0.1266507	1.86914658	-0.8575537	0.2065383	-1.1261911	0.79668532
1897	1.11525666	-1.779067	0.69228278	-1.2959454	-2.0190818	-0.1207683	-1.3727266
1899	-0.9944314	0.71953274	1.66260571	1.06734854	-0.3601774	1.54918257	-0.0903243
1899	-0.8295021	0.94018191	2.33684071	-0.0476416	-0.1553089	-0.3793892	0.50503934
1900	0.3336294	-1.0160878	-0.0900708	1.78549081	-0.6357351	-0.5322117	0.83470358
1902	-1.5128701	1.31109792	0.2319252	1.70444301	1.88911808	4.68205845	-0.4582561
1902	-0.3810352	1.17265061	1.29289446	0.00022986	0.32359475	-0.4881643	0.70935174
1903	-0.8288507	1.04499269	0.91814814	0.28469176	0.87552403	-1.5139532	0.84847339
1904	1.20327044	0.00207654	-0.2354007	1.09832453	0.4186109	0.60937715	0.01329922
1906	1.16211941	-0.24259	0.88995886	0.49038055	-0.3893292	0.9881341	-0.7989374
1906	-1.3939702	-0.2686401	2.86650585	-1.1877823	0.07929835	0.00169586	0.26987551
1906	-1.8266618	1.42451422	1.63425352	0.04344044	-1.0338211	-0.305193	-0.2975684
1907	-1.3706594	-0.7791799	1.9500709	1.25388651	0.69866991	0.41153835	-0.3896794
1908	-0.7534758	-1.5096991	1.23121712	-3.6148328	-0.0364248	0.26590892	-0.2249751
1910	-1.1294956	1.21996023	0.30977878	0.16057385	-0.4520484	-0.0338629	-0.0447107
1911	1.55073649	-1.0446677	0.38810408	-1.7210633	-1.1009296	0.20848456	-1.3026521
1912	1.34795455	-0.253294	-1.5524159	-1.1046374	2.08887493	3.10985936	-0.3883506
1914	1.07576613	0.29824652	0.99619887	2.6427041	-0.4828767	-0.0160076	-0.1723977
1914	0.74819143	-1.0418999	1.03121805	0.50751255	-1.5429613	-0.4801006	-0.3128627
1921	1.05582194	-0.6929503	0.98785635	0.73557455	-1.4394375	-0.4053867	-0.692684
1921	-0.8990268	-0.2160906	1.70774019	0.06980362	-2.1400604	0.51071593	1.22789888
1923	-1.6472702	0.86867824	1.09252151	1.15574201	-0.1586092	1.06450161	-1.0349946
1923	1.1529433	-1.7589798	0.58061248	-1.218062	-1.9853034	-0.3321208	-1.2535937
1925	-0.4731149	0.99627485	2.49395447	3.11574996	-0.4802675	0.50749007	-0.0955561
1926	-2.6156744	-0.1870129	-0.0989728	-0.322045	-3.5114677	1.00540068	1.56885672
1929	1.10785538	0.62833333	-0.3632761	1.12997989	0.57749504	0.03945433	0.10019942
1930	-1.0147005	0.20616062	0.45324949	-0.7393368	0.29974076	0.24302746	2.18147843
1930	-1.8767748	1.50261686	-0.1801938	0.977354	-0.0615673	0.49480121	-0.4519725
1931	-1.1610857	-0.079347	1.01044305	0.24363753	0.84806417	0.52486701	1.10455844
1932	1.31658165	-0.0421812	0.03149842	-0.3746112	-0.181526	-0.3699285	-0.1575089
1933	-2.2088313	1.68448637	-0.7786486	1.22864864	-0.4010294	0.62290633	-0.843437
1934	-0.2210759	0.62281437	2.00865562	0.69571489	-0.2693489	-0.5763618	0.6167673
1935	1.15346759	0.46240142	1.2034742	2.4945423	-0.5400507	-0.2640532	-0.2550803
1935	1.16410257	0.05677293	0.36595103	1.41526573	-0.3405689	-0.2390216	-0.0749998
1937	1.06594168	-0.2719016	1.11261967	1.24377894	-0.7247964	0.77565243	-0.8507331
1937	-5.1046922	-5.8381555	-0.9524772	4.44900499	-0.3045279	1.37429667	3.26733111
1940	0.1149742	0.42094525	1.76254317	1.05677374	-0.3466765	1.13985758	-0.7152197
1947	1.27457077	-0.3576993	0.8909945	0.59063009	-1.2000541	-0.564182	-0.6516754
1947	0.55344241	-1.7908454	0.40656376	-0.9445164	-1.8153441	-0.8141045	-0.2528151
1948	1.2733735	0.16695925	0.19431848	0.42532533	-0.1993665	-0.6857805	0.08959676

1951	1.08224546	0.15990868	0.15758672	1.31753607	-0.2371457	-0.7641542	0.30698134
1955	-0.5451693	0.98143821	1.88624107	-0.1160647	-0.2107967	-0.5563359	0.4756696
1955	-0.3706953	0.81741273	1.50037132	0.31234269	0.3862598	0.04268734	0.65356733
1956	1.24833601	0.00505307	-1.1451322	-0.0487506	2.13051371	3.37444202	-0.4431286
1957	-1.3648995	1.53703118	0.46022641	1.14618565	-0.3862915	0.41555344	-0.306054
1958	-0.9554281	-0.9162516	1.08193152	-3.0434431	1.17649453	3.77484955	-0.8282945
1958	-0.4923851	0.86935624	1.40788937	0.8091878	-0.3600897	0.86781375	-0.3408954
1958	0.1791398	1.20097527	0.26615027	0.93636606	0.40643065	-1.1302411	1.04735184
1959	0.79454838	-1.389397	0.27130876	-0.0247537	-0.766836	1.18588896	-0.7599183
1959	-0.425962	1.07807006	1.99888303	2.54255588	0.43285237	1.08005512	0.38667897
1959	-1.4117836	-0.6447328	2.02921502	-0.3619676	-0.6981923	0.64243905	0.75460028
1960	1.23595191	0.27664744	0.18400226	0.50291429	-0.1757733	-0.566223	-0.0395586
1961	1.11960001	-0.017379	0.73307563	1.5365379	-0.6430189	-0.2232046	-0.2502916
1964	-1.6180625	-0.2839358	2.44106533	0.32978704	0.22105459	-1.2622768	-0.0817175
1965	-0.7191456	0.78381272	1.77589266	0.07905108	0.34320262	-0.1149072	0.82262558
1967	-1.1765357	1.02059245	1.60982138	1.02402805	-1.1333355	0.09647514	-0.1682231
1968	1.31687143	-0.0417023	0.03166662	-0.374733	-0.181378	-0.3699824	-0.1577079
1969	-0.693947	1.31802885	0.81589655	-0.090188	-0.0758382	-0.5383541	0.21347757
1971	-1.6518296	0.24385175	1.97426839	0.63104978	0.31234961	-0.3733135	0.68620716
1973	-0.6188863	0.92064002	1.60140412	-0.1815573	0.66497976	0.97334487	0.43821984
1975	-1.1556384	1.22823471	0.94115327	-0.3881373	0.79213161	1.32030497	0.19663056
1975	-0.7857533	1.44673422	1.7955896	1.86100995	0.16819114	1.02126731	-0.1930664
1975	-0.5899854	0.85818379	1.64014755	-0.1234685	0.15713516	-0.2548967	0.51990248
1977	-2.174975	2.60824055	0.3379855	-0.3750877	0.11766513	0.81396669	-1.286542
1980	-1.2452212	1.30658627	1.18769069	-0.3919815	0.13061487	0.29398149	0.36003101
1982	1.03898947	0.45092198	0.50674538	2.53098552	-0.1255281	-0.6320743	0.44263536
1982	-0.4635268	0.86700861	1.5392706	0.00159319	-0.1335463	-0.9822677	0.55220021
1985	-1.0873232	0.41347504	2.38831134	0.79985151	0.27250134	-0.1960096	0.59250443
1987	1.15211045	0.00258259	1.29575862	1.33968263	-0.9413827	-0.1936556	-0.5254415
1992	-0.3888655	0.16461422	2.52564472	1.27652975	-0.2025046	1.5602644	0.1889153
1993	1.00957555	0.07290629	1.71482479	2.4220862	-0.8881634	0.69415669	-0.9577763
1994	-2.624649	-1.9208211	3.41922842	1.21640893	-0.2134106	0.60552055	-0.2037885
1995	-0.2158672	0.94160838	1.31084654	-0.0189614	0.69513144	-0.9088989	1.30883736
1995	-0.3549593	0.78131078	-0.0321502	-1.2127002	2.45782121	3.36637475	0.11800236
1998	1.11060381	-0.620577	1.04465919	0.24051152	-1.1938116	0.05375016	-0.808016
1998	-1.4931094	1.50454623	1.21887528	0.74126946	0.59035382	0.54205511	1.0020899
1999	1.20279275	-0.5314427	0.4696436	0.12969883	-0.9699461	-0.4911612	-0.3177486
1999	-0.4042011	0.91910276	1.35391404	0.01743418	-0.2080683	-0.8312611	0.46043776
1999	-0.699427	0.13037276	1.43637269	-1.0676299	-0.0979926	-1.3130169	0.31307624
2000	0.11931662	0.1870609	1.90904373	1.50147244	-0.8274516	0.99011624	-0.9542976
2000	-1.1369705	1.42614556	0.49108652	1.00144836	-0.5295176	-0.9092343	0.06986112
2000	1.3385629	0.59099044	-0.4286327	0.89740868	0.57476579	-0.6867984	0.63609986
2002	1.53531975	-0.983742	0.43717788	-1.3182964	-1.6268347	-1.0576856	-0.9815583
2002	-1.5863782	1.57449477	0.85785104	-0.5840664	-0.0150412	-0.3331213	0.39723693
2003	0.77370178	-1.9688904	-0.2495211	-1.9295306	-1.2130124	-0.0238242	-0.3322914
2006	-1.3764702	0.38982074	0.01075535	-1.2201758	1.83557537	4.15817673	0.79898278

2006	-1.3296662	-0.0420888	2.18160468	-0.3385515	1.37463442	-1.0085252	0.42309987
2006	-0.4889414	0.07482003	1.65476118	0.0152316	-0.6964715	0.4492171	0.55262382
2006	-0.6705361	0.3093061	2.2249773	0.05843812	-0.7166937	-0.2319457	0.05117339
2007	-1.4160967	-0.4399451	2.95117203	-1.0433066	0.31802026	-0.7126663	0.68608621
2009	-0.4998228	0.91905656	1.5524372	1.26474975	0.32175466	0.0616675	0.76936
2009	1.21337291	0.36438508	0.29459666	0.63583283	-0.1124515	-0.58354	0.06441934
2011	0.73930707	-0.8539213	-1.7510501	0.30389165	2.0560729	3.47362079	0.11568559
2012	-1.7812512	-1.4505143	1.80470613	1.37196722	-0.2538247	1.29330715	1.13149365
2012	-0.4102797	1.03765451	1.31650249	-0.0435933	0.12397559	-0.6881128	0.57156223
2013	-1.1375452	1.56564244	1.2863614	-0.0716016	-0.0641195	-0.8303986	0.81764624
2013	-1.5131615	1.4097112	1.74592223	0.59640982	0.08221072	0.09811429	0.5083204
2015	-0.6548309	0.84440503	0.67160136	0.18773029	-0.4605935	-1.0327898	0.40372388
2016	1.03607076	0.01058043	1.31659512	1.3085859	-0.8558177	-0.1241978	-0.4768009
2018	0.85717286	-0.9075352	0.81012727	0.21223803	-1.1515508	0.05815325	-0.5567342
2018	1.31613731	-0.0429154	0.03124052	-0.3744244	-0.1817528	-0.3698457	-0.1572037
2019	-0.4749181	0.68381914	1.57333428	0.41293628	0.37381005	0.26884409	0.43577338
2019	-3.6874812	-8.7466355	-2.0578851	1.85893588	-3.353004	1.58054228	2.39911399
2021	-0.423613	0.93306512	1.56586104	0.74547519	0.49325665	0.48683074	0.55219822
2021	-1.8478159	-1.0233055	-1.1145075	0.79338993	3.20549904	2.8849882	-1.0411593
2022	-0.8230629	0.34052916	1.71840968	-0.477659	0.40123852	-0.7950396	1.09010281
2022	-4.2145823	2.39587903	-0.600196	-2.4250473	1.99398395	5.69806652	-4.135542
2023	0.65000685	-0.7516272	0.40270563	1.26628493	-0.7095219	-0.1827755	0.14680137
2024	-1.3767571	0.27421021	1.71065352	1.42391324	0.1609029	-1.1755336	0.57953149
2025	-1.1254412	0.86145681	1.39886685	-0.182454	0.35237646	-0.2321155	0.46410289
2028	-0.836395	1.22237184	1.58978815	0.00532186	-0.1987039	-1.0746558	0.71661976
2029	1.07375911	0.18240695	0.32271846	1.35828415	-0.2752143	-0.7065384	0.33237979
2029	-0.6673673	-0.4790067	2.02651231	2.24012073	-1.7853242	1.3714905	-1.6633627
2029	-12.168192	-15.732974	-0.3764744	3.79261341	10.6586541	-7.4656033	-6.9070384
2030	1.03063615	-0.383973	1.31409709	0.51202012	-1.2430259	-0.3078218	-0.613874
2031	-0.8470583	0.53573432	1.79250227	0.95992026	0.42595297	-0.7161237	0.06521242
2031	0.98727233	-0.296811	0.1745942	0.06638601	-0.3972183	-0.463517	0.1156737
2032	-0.3662246	0.98861783	1.15202289	-0.1186758	0.14390723	-0.4919219	0.54044503
2033	1.29458284	0.29061317	0.0668438	0.57368464	-0.1722416	-0.7826087	0.02680993
2035	0.02238681	1.13996564	-0.0900818	-0.7066798	0.98333137	-1.2640923	0.63572266
2035	1.31718053	-0.0411915	0.03184603	-0.374863	-0.1812202	-0.37004	-0.1579202
2037	-1.4913506	1.10124386	1.64885503	1.44974018	-0.9362268	1.05388922	-0.6030995
2038	-1.6781047	0.73822984	1.97993791	-1.0806923	-0.8309543	-0.5457325	-0.0147964
2039	-0.7165378	1.30361199	0.40702756	0.49315132	-0.7083511	0.02340017	0.8753336
2039	-4.4541861	-3.5811558	-0.5227354	2.21688458	6.07726025	-5.5001632	-1.9280491
2039	-0.6424556	0.36057328	1.19121229	0.36434516	0.94652385	-0.2666704	0.07206778
2040	1.32515087	-0.1756944	-0.3365572	-1.2671755	-0.0456738	-0.4111532	-0.0618646
2043	-0.7856778	-0.2696959	2.19065492	-1.8414823	-2.4948965	1.02264543	0.495975
2045	-2.251741	1.15265846	1.49889825	-1.0911611	-1.2134299	-0.6047346	-0.3656674
2047	1.009859	-0.0472925	0.44447723	1.37436617	-0.3043747	0.02183572	-0.0095494
2050	-0.7011143	0.31883414	1.71726881	0.43146675	0.43038148	0.08502212	0.98007358
2051	-0.4690419	1.0348415	1.68102328	-0.1042142	-0.0749873	-0.6795039	0.63646929

2053	-0.7448992	0.51801552	1.04583613	-2.1577848	-0.5109489	-0.9305079	1.39628195
2053	1.24682571	0.62519572	-0.6649337	1.0890646	0.58728729	-0.7365587	0.555989
2054	1.13279207	0.05457838	0.26078433	1.21455966	-0.0270456	0.31037624	-0.1041112
2054	-0.6309256	0.08612001	1.95904245	-0.5098445	-1.4893647	0.81848471	0.55863267
2055	1.27949114	0.00071416	-0.249537	0.06645324	0.50161781	0.76804549	-0.2185717
2056	-0.9165325	-0.0479249	2.8943026	0.52142594	-0.8897585	1.10556755	-0.8789892
2057	-1.1426975	0.95268996	0.70168566	-0.0618252	0.22259527	-0.1503881	0.12986105
2061	-1.9589554	-2.7223732	0.06563644	-2.0515877	0.43594702	4.50936676	0.78131424
2061	0.32857526	-1.4701511	0.74539473	1.44597911	-1.262146	0.59679314	-0.3422878
2062	0.96195847	-0.811062	0.62604351	0.10987961	-0.6781791	0.62302155	-0.5147922
2064	-0.3353847	0.92158794	0.66973682	-0.290895	0.90622064	0.22103033	0.5008371
2064	1.31480431	-0.0451181	0.03046682	-0.3738639	-0.1824333	-0.3695974	-0.1562881
2066	-0.8146467	1.11090464	0.86188634	-0.4350796	0.18015367	0.80002235	-0.7353669
2066	-0.7674901	0.18211078	1.73686457	0.25142344	-1.0463906	-0.2172584	-0.5285232
2071	-0.7667246	0.49250148	2.33014432	1.26900155	-0.7324189	1.99130501	1.29828362
2071	1.1580785	-0.2026379	0.45625979	0.44396977	-0.5260357	-0.2253232	-0.1516474
2072	-2.6800918	-2.029269	1.0326428	1.09696792	3.84472134	-3.3043395	-1.0155864
2073	-2.1290532	-0.8949595	2.28741422	-0.5800838	0.71390702	-1.2453564	-1.2765937
2073	1.31567794	0.46046328	-0.3453223	0.984692	0.26311777	-0.8964015	0.51291958
2073	0.52299454	-1.0097956	1.05036281	1.65491358	-1.0940696	0.66522245	-0.3631379
2075	-0.547699	1.57225709	1.3740137	2.96426947	-0.389202	-0.1609177	0.09215796
2079	-1.1042985	1.34585477	1.2085863	1.6501823	0.70871903	-0.0786637	0.68857557
2081	-0.9786978	1.87939856	-0.7599609	0.27871105	0.9443914	-0.1157544	0.91472674
2083	-1.5656914	2.02919746	2.41111703	2.41032178	-0.3867996	0.35037958	0.33994859
2083	-1.7070229	-0.6066268	2.64936719	-0.6023981	0.11111822	-0.5603223	-0.4481343
2084	-0.6769797	1.11834126	2.92414471	2.79033602	-0.2788349	1.38202382	-0.2310565
2085	-1.8644083	-0.5821566	0.641907	-1.5826855	-0.5769134	-0.5286721	0.4997628
2086	-0.8976816	0.68649665	1.61076593	0.07656309	0.16222025	-0.7417999	0.57063904
2086	-0.4557337	0.91147551	1.56093791	-0.1367768	-0.1198118	-0.6003495	0.52169456
2087	-2.235046	-2.1271913	0.84004409	-0.2455393	-0.5664021	-1.1851074	-0.0840301
2088	-0.6929589	0.1201501	2.17913418	-1.4965062	-1.0422677	-0.3447333	-0.1950547
2089	1.10321733	-0.3144818	1.84733647	2.20387594	-1.395614	0.49068316	-1.0907601
2090	-0.6442407	0.78664353	1.08852307	-2.0555146	0.07102596	-1.257812	1.03334907
2090	-1.2070008	0.58163933	0.37882113	-0.483876	-1.9827942	1.54629766	2.20492693
2090	-0.380761	0.76590104	1.25170558	-1.963235	0.06745186	-1.6771583	1.22272622
2091	-0.382024	0.64111959	1.21589306	-1.9464978	-0.0862654	-1.718138	1.10586856
2091	-0.4244946	0.65784571	1.20632955	-2.0051822	0.1809692	-1.2263354	1.08905355
2091	-3.6782206	2.75535937	0.30091917	-2.3649227	-0.1463979	-0.6997117	1.28848006
2092	-0.4437294	0.65172053	1.10479414	-2.2054885	0.464815	-0.6959063	1.02902659
2092	-0.2789588	0.6466427	1.2201597	-0.8920889	0.01921409	-0.9856248	0.62930271
2093	-0.8915792	0.85595712	1.34570515	-2.0701721	0.18621885	-1.1674656	1.0013127
2093	-0.4453461	0.49200028	1.05895412	-2.1840649	0.26805686	-0.7483604	0.87944878
2094	-1.3925965	1.21822323	0.74358581	-2.3771238	0.33960249	-0.7164646	0.98685873
2095	1.22874581	-0.6646887	0.44971684	-1.4180901	-0.9287517	-0.4044169	-0.5688371
2095	-0.3805589	0.78586607	1.25743558	-1.965913	0.09204663	-1.6706016	1.24142345
2095	-2.8264494	1.56345437	1.02643444	-1.1012206	-1.5682832	-0.6814954	-0.7422072

2095	-0.4444872	0.57685166	1.08330663	-2.1954462	0.37258462	-0.7204942	0.95891199
2095	-0.4242925	0.67781074	1.21205955	-2.0078602	0.20556396	-1.2197786	1.10775077
2096	-0.6635766	0.77053584	0.98412266	-2.2544819	0.34257438	-0.7306613	0.96397349
2096	-0.4238883	0.7177408	1.22351956	-2.0132161	0.2547535	-1.2066651	1.14514523
2097	-0.6120879	0.56839028	1.20745004	-2.1264468	0.37869808	-0.7120412	0.77653312
2097	-0.6429272	0.91641624	1.12576809	-2.0729213	0.23089194	-1.2151931	1.15488103
2098	-0.4456492	0.46205273	1.05035912	-2.180048	0.23116471	-0.7581955	0.85140294
2098	-0.4240904	0.69777577	1.21778956	-2.0105381	0.23015873	-1.2132219	1.126448
2098	-0.3638904	1.02518719	1.09999616	-0.0646897	0.33138642	-0.3169791	0.59782702
2099	-0.6435334	0.85652114	1.10857808	-2.0648874	0.15710764	-1.2348634	1.09878936
2099	-3.3363406	-3.1982543	3.10758346	3.68605329	3.14826349	-1.4896317	-2.9366225
2099	-0.4436283	0.66170304	1.10765914	-2.2068275	0.47711239	-0.692628	1.0383752
2099	-1.5608145	1.10947481	1.28345556	-1.6177928	0.50063865	-0.6938377	1.38137048
2100	-0.4246967	0.63788068	1.20059955	-2.0025043	0.15637443	-1.2328921	1.07035632
2100	-0.4011073	0.64996818	1.11865515	-2.1488126	0.21602645	-1.1827914	1.05986452
2101	-0.4246462	0.64287193	1.20203205	-2.0031738	0.16252312	-1.231253	1.07503063
2101	-1.6367127	-0.3624221	1.04699383	-1.7331423	0.85306067	-1.5969145	0.95039332
2101	-0.4239894	0.70775829	1.22065456	-2.0118771	0.24245611	-1.2099435	1.13579661
2102	-0.3811147	0.73096223	1.24167807	-1.9585486	0.02441102	-1.6886326	1.19000608
2102	-0.6700023	0.91320311	1.12706015	-2.0395364	0.19130293	-1.046713	0.86626846
2103	-0.4239389	0.71274954	1.22208706	-2.0125466	0.24860481	-1.2083043	1.14047092
2103	-0.2363034	0.90950227	0.86857221	-0.5242926	0.47979973	-0.8189975	0.86038996
2103	-1.3787019	0.05162082	1.5480721	-1.490857	1.17395597	-1.5250946	0.81079686
2104	-0.6928845	1.07865507	1.0027698	-1.9939497	-0.0667907	-1.7052293	1.0623717
2104	1.11351307	0.43540819	0.49283006	2.5367431	-0.1990327	-0.5729056	0.22079617
2104	-3.3960303	1.98332649	0.54016386	-1.1136544	-1.9768975	-0.722853	-1.0649025
2104	1.29552796	-0.0326662	0.107723	-0.7891262	-0.7369854	-1.6807023	0.15461034
2105	-0.6433314	0.87648618	1.11430808	-2.0675654	0.18170241	-1.2283066	1.11748658
2105	-2.2895654	-0.4802598	0.81868511	-1.7064231	0.8221022	-1.6603258	0.94404655
2105	1.23144812	-0.2566543	-0.0707034	-1.016651	-0.4748935	-0.7355125	-0.141924
2106	-1.3191687	-0.5685612	2.22335799	-2.301132	0.06931049	-1.6064546	-0.2112568
2106	-0.6429777	0.91142498	1.12433559	-2.0722518	0.22474325	-1.2168323	1.15020673
2106	1.12627809	-1.2370013	1.70883872	-0.1235978	-2.0975709	0.38413689	-1.5035613
2106	-0.3812662	0.71598846	1.23738057	-1.9565402	0.00596495	-1.6935502	1.17598316
2107	-0.6430787	0.90144247	1.12147059	-2.0709128	0.21244587	-1.2201107	1.14085811
2107	-0.8067993	0.64352083	0.89985527	-2.4253222	1.00707265	0.84642439	0.73690989
2107	1.28046239	0.49981573	-1.9250869	0.3345372	2.60327506	3.06190533	-0.3428846
2108	-0.3807105	0.77089229	1.25313808	-1.9639045	0.07360056	-1.6755191	1.22740053
2108	-0.6208534	0.77876601	1.00084868	-2.199145	0.10608321	-1.214268	1.00416004
2108	-0.3860974	1.11519061	1.274662	0.00866034	0.25430042	-0.500077	0.67219447
2109	-0.6425735	0.95135504	1.13579559	-2.0776077	0.27393279	-1.2037188	1.18760118
2109	-0.4251514	0.59295935	1.18770704	-1.9964789	0.1010362	-1.2476448	1.02828756
2109	1.30645252	-0.4617436	0.68775537	-0.6302127	-1.0260943	-0.7222258	-0.5347135
2110	-0.6704065	0.87327305	1.11560015	-2.0341805	0.1421134	-1.0598265	0.82887401
2110	-0.643584	0.85152989	1.10714558	-2.0642179	0.15095895	-1.2365026	1.09411505
2110	-1.3071307	0.35011612	1.84767469	0.51447896	-0.4934739	1.01274551	1.63410654

2110	-0.380761	0.76590104	1.25170558	-1.963235	0.06745186	-1.6771583	1.22272622
2111	-2.5192633	2.74380977	-0.3867958	-0.0781283	-0.3646042	0.90133549	-2.8183845
2111	-0.4245956	0.64786319	1.20346455	-2.0038433	0.16867181	-1.2296138	1.07970493
2111	-0.4237368	0.73271458	1.22781706	-2.0152246	0.27319957	-1.2017476	1.15916814
2112	-0.4440325	0.62177298	1.09619914	-2.2014716	0.42792285	-0.7057415	1.00098075
2112	-0.4237873	0.72772332	1.22638456	-2.0145551	0.26705088	-1.2033868	1.15449384
2112	1.25508564	0.2727901	0.28267267	0.70455955	-0.4719165	-1.0999304	0.01111976
2113	1.2328122	-0.1218904	-0.0320259	-1.0347271	-0.3088788	-0.6912544	-0.0157178
2113	-0.7379578	0.87520838	1.43047243	-2.0049138	0.10740225	-1.650284	1.09598207
2113	-2.7460652	3.02216878	-0.1340174	-0.3866622	-0.244242	0.74284691	-1.6533313
2113	1.09999301	0.07399655	0.26279469	1.21862712	0.04805368	0.34121494	-0.010947
2114	-0.380761	0.76590104	1.25170558	-1.963235	0.06745186	-1.6771583	1.22272622
2115	-0.7421859	0.24314238	2.03730635	-0.0236154	-0.8452253	0.29885611	0.14904712
2117	-0.2766667	0.40674195	1.86454591	0.86325962	-0.8519108	0.365805	-0.1150183
2119	-4.3858539	-3.2490855	2.66421482	2.13365473	0.70168253	0.93217753	-1.7080191
2119	1.26656551	-0.4011122	0.29857547	-0.0384225	-0.2277039	0.73078035	-0.6556034
2121	-0.2754561	1.01643436	0.94544402	-0.4032988	0.36916214	-1.1843311	1.04568796
2122	-0.4144573	0.58150756	1.70779622	-0.3237098	0.20203875	-0.7517948	0.97907767
2123	1.08506299	0.13163753	0.37537	1.4190374	-0.1185298	-0.1465808	0.1761454
2123	1.28306666	0.35569515	0.07352107	0.99178367	-0.0049076	-0.6596016	0.20909544
2125	-0.6553311	0.20023251	1.24471874	0.27778299	-1.7524104	0.89963332	1.64599072
2125	1.23693238	-0.717464	1.02981491	-0.4546616	-1.5491225	-0.5991251	-0.8777138
2125	1.3215477	-0.5801613	-0.2351846	-0.8995173	-0.4780091	-0.5767787	-0.2160771
2125	-0.9414692	0.38900981	1.80780689	0.67742649	-0.0574061	0.08395032	0.20304686
2127	-0.6567161	1.06745477	1.9310154	-0.3022246	0.22196741	-0.6314763	1.19265582
2127	1.02508723	-0.8833664	0.4365494	0.52605837	-0.8846401	0.1627426	-0.4312687
2129	1.26882565	-0.0750798	0.08066028	-0.0750442	-0.3998468	-0.6699318	-0.1214999
2130	1.07769243	-0.4245831	1.23698349	0.2966048	-1.1094282	-0.07101	-0.5983815
2131	-0.1925153	0.97967046	0.94567246	0.70693408	0.54353057	-0.3077314	0.801828
2131	0.98140404	-1.9771805	0.03229358	-1.2869332	-1.6199182	-0.338635	-0.7062651
2132	0.88630952	-0.8603995	0.86737754	0.17992399	-1.0700015	0.19430487	-0.4966283
2132	-1.3488759	-0.1047139	0.89635187	0.08667854	-0.455948	1.23244604	-0.4781159
2134	-0.6673514	-0.1677876	1.24127655	-1.5245547	-1.0488694	0.99573454	0.27466178
2136	-0.461065	1.00508644	1.28356828	-0.0945349	0.31270505	-0.1863095	0.56092494
2139	-3.9754747	2.38729852	0.06128719	-1.121528	-2.3438463	-0.7926921	-1.4303774
2140	-1.0787218	0.94896707	1.52938532	-0.3214358	0.67698453	-1.2471952	0.68402577
2142	-4.5539726	2.79270411	-0.4189563	-1.1301447	-2.7192476	-0.8567523	-1.7856228
2142	-0.924396	0.40455894	1.80858477	0.1911529	1.03162665	-0.6353605	0.82005086
2143	1.05463244	-0.0854204	1.37887007	1.79025169	-0.781249	0.43727412	-0.4594033
2143	1.14608174	0.14687617	0.5869798	0.50721739	-0.3261012	-0.3078277	-0.0925946
2146	-0.8861689	1.15084141	1.13793849	0.78215376	0.24792852	-0.8624281	0.97133065
2148	1.26010526	-0.1999271	0.04462043	-0.9187092	-0.7587905	-1.3228614	-0.0570774
2148	-0.678754	0.70922528	1.05120551	-2.1971483	0.15989728	-0.8704657	0.90579889
2149	1.26091361	-0.1200669	0.06754044	-0.929421	-0.6604115	-1.2966344	0.01771154
2149	1.03022838	-0.0655463	0.39499796	0.29595748	0.31911959	1.35073893	-0.4299643
2149	-0.4587048	0.610375	1.17760699	-2.1508329	0.30673267	-0.8291539	0.98954921

2150	-0.6620956	0.81406749	1.0978736	-2.1218162	0.00679093	-1.1528085	0.75085899
2151	-2.5749401	-2.6693309	-3.0801333	2.04355114	-11.416881	7.88572054	12.2192489
2152	-0.4683247	-0.2655217	2.11467341	-1.2735689	-0.5855417	0.48550007	-0.5351096
2152	-1.2911767	0.9467687	2.33465734	1.25672838	-0.729452	0.06325931	-0.289829
2153	-2.0578054	1.93460957	0.70721815	0.72736332	0.09736094	0.55520012	0.75864913
2154	1.29744973	-0.0010495	-0.0034064	0.25386877	-0.0622914	-0.0559175	-0.2238652
2155	-0.3892192	1.13396417	1.27562255	0.0066104	0.26818239	-0.4816344	0.71391022
2156	-2.2233319	0.40362806	-0.4473477	-1.1114408	1.99648354	3.70414997	-0.1233303
2156	-3.6530776	1.95732057	0.24872661	-0.9454818	0.55541252	4.90849002	-1.1427735
2157	1.11494303	-0.4245366	0.03088259	-0.0813281	-0.7528263	-0.9993896	0.03343341
2159	-0.4266588	0.74178526	1.63775575	-0.0459608	-0.1538221	-0.7150912	0.58682873
2162	0.32876064	-0.5725504	0.04812732	2.61174288	0.35780437	1.2280821	0.56723342
2162	-1.7627919	1.38793847	-0.8962816	-2.6589373	2.2298774	2.99445225	0.11636709
2163	-0.5072762	-1.0198762	2.09713379	-2.3354895	-1.4167483	1.03549663	-0.6801955
2165	-0.2373756	-0.5919921	-0.0905643	-3.1506596	1.19727194	3.62306705	-0.2502602
2165	0.93819006	-0.1272237	1.77571395	2.62681558	-0.8799683	1.03817348	-0.8943786
2168	1.34181957	-0.5711081	0.09701779	-0.6152446	-1.0899073	-1.0915173	-0.3817987
2168	1.25626104	0.35325677	0.30580572	0.6936934	-0.37335	-1.0737718	0.08565653
2172	-0.7994655	0.80546267	1.27432128	0.12642571	-1.3149785	0.51617868	1.5028767
2173	-0.6274775	1.25868645	1.30036067	0.90721249	-0.0151106	-1.0017291	0.77285905
2174	-0.7922223	0.67856577	-0.0120017	-2.4985777	2.26086766	3.18646718	0.05740166
2174	0.83645574	-0.3860023	1.22114565	1.52664837	-0.9782941	0.08575132	-0.3875874
2176	1.12872918	-0.614965	1.01260951	0.73092416	-1.4447251	-0.5622687	-0.6007483
2179	-1.5821309	1.93136092	1.89389553	2.78299461	-0.5762866	0.58459277	-0.0420929
2179	-0.226958	0.54947025	1.93414609	1.36223005	-0.2300597	-0.0469314	0.4080606
2179	-0.7608095	1.17902467	0.7726686	-1.1613638	0.22030259	-0.1522828	0.38047434
2182	-1.0513394	0.30601198	1.5793701	0.2307325	-3.1751863	1.68438473	2.15782689
2184	-0.6171146	1.06507935	1.60832977	0.32776896	0.3312141	-0.5244895	1.20750072
2184	1.03371197	0.29971472	0.86588216	2.59430705	-0.1859144	0.4093725	-0.1353615
2185	-0.5536486	0.70037969	1.13431636	-0.0704425	0.37786779	1.7622898	-0.0943264
2185	-0.4645755	0.49600923	1.2894399	-2.1927101	0.35765998	-0.8310636	1.38727984
2187	-0.8794681	1.01055105	1.39204471	-1.2855505	-0.3509803	-0.8460603	0.43628456
2187	-2.87413	-3.484579	2.42236302	1.00433053	2.3022648	-1.5980054	-2.5545646
2187	-1.5437399	2.30381077	-1.242664	0.26487538	0.54176017	-0.1603681	0.5854944
2189	0.07664102	0.84077513	0.63055443	0.43378848	0.01514546	0.34894266	-0.5874641
2191	1.21349571	-0.0688241	0.71188354	-0.0321837	-0.7681861	-0.748292	-0.275139
2195	-1.7824205	1.01052648	1.46062986	1.50948233	-0.4153802	2.24713741	-1.0484111
2195	-1.4531867	-1.1798755	-0.336759	-2.4826004	-1.475185	-0.0400198	3.19410198
2197	-2.3359634	1.45716778	0.97821325	1.48926924	-0.8407168	2.21948874	-1.3525518
2197	1.31808981	0.45881779	-0.9441514	0.4519561	0.60805704	-0.4385461	0.21238752
2198	1.3777287	-0.5846925	0.09666262	-0.6636493	-0.9290774	-0.8421514	-0.40166
2200	-1.6222606	-0.576436	1.11979444	0.54097742	1.43711114	1.17552437	1.67780128
2204	1.51596076	-0.1773323	-0.506213	-0.8710499	-0.0783833	-0.8902804	0.06178412
2204	-0.5282802	1.29713848	1.49791798	1.12807317	1.01507166	0.18268258	1.31749169
2205	-0.618274	1.03427923	1.39229919	0.88837526	0.15255141	-0.7020248	0.7544746
2205	-1.708042	1.61503555	0.41731699	-1.5217355	-0.6687039	-0.9498759	0.03564081

2208	1.26168687	0.271007	0.03448667	0.41780214	0.00390971	-0.3592789	-0.0443379
2209	1.43862656	-1.2187454	0.89715941	-1.3702813	-2.002088	-0.6269783	-1.4405494
2211	1.14173206	0.09061086	0.57042339	0.51552876	-0.3895508	-0.3235034	-0.136697
2212	1.17760081	0.35681073	0.51120974	0.76323683	-0.4012853	-0.8963263	0.05109758
2213	-1.971561	-0.8938309	0.24882946	-1.7628716	2.16949974	3.35232182	-1.061266
2213	1.19927041	0.17923044	0.37483033	0.64236908	-0.5752836	-0.9085147	-0.1370179
2213	-0.242858	0.66869328	1.67916739	1.09838259	0.47029119	0.00161197	0.88993962
2215	-1.1715314	-0.3889014	2.19206938	-0.8153735	-0.6052645	0.19845981	0.53076292
2215	-0.3538428	0.40343669	1.57745264	0.7166912	-0.0487074	-0.694315	0.25838172
2216	-0.5331324	0.53584211	1.29767614	0.21129425	0.43461006	1.27441751	0.64168658
2216	-2.2919895	-6.5489278	-2.255433	0.99807178	-2.4865152	-0.0682012	2.39598666
2217	-3.0302293	2.21674119	0.63595428	-2.4758693	-0.6460074	-0.1061531	-0.1439178
2218	-0.2801156	0.87486816	0.83259102	0.1594209	0.69439653	0.22707578	0.93698325
2218	-1.2849337	0.92283353	1.47340239	-1.5908531	-0.2894002	-0.231078	0.59551467
2223	-1.0145097	1.0036679	1.44782011	-1.2004228	-0.4906985	-0.8478629	0.19170912
2223	-7.5462556	3.05103279	-0.524684	1.00522786	0.04048637	2.7516757	-6.2674064
2224	-0.372973	0.42517829	0.8985456	-1.5461466	-0.0796789	-0.0819675	0.48783796
2225	-0.9350945	0.85805227	0.64458127	-1.3095729	2.12386464	3.67825401	-0.1978464
2226	1.03356287	1.04094787	-1.5892454	1.51685097	1.41862837	0.00078679	0.39925551
2226	-0.4735517	0.63008202	1.45790926	-0.1802203	0.43563735	0.28844867	0.37532517
2226	-0.9026589	0.96298661	2.37844988	1.44860547	0.87627613	1.73758033	0.39119539
2226	-1.0934621	-0.0220315	1.69805355	-2.0155539	1.32909462	-0.677083	0.54075137
2227	1.37684654	-0.7008755	0.96933845	-0.4317786	-1.457772	-0.5216722	-0.9904364
2228	1.19930111	-0.6217394	0.59992325	-1.2205264	-1.0545346	-0.468246	-0.5799174
2229	-0.3985503	2.4452667	-2.3233817	1.41008098	0.51893636	-1.7872241	0.59855646
2231	1.25982261	0.24924832	0.51335613	0.62159379	-0.4820788	-0.993925	0.0617422
2234	-0.3548855	0.96008977	0.99557873	-0.1983103	0.31716292	-0.2822496	0.54736624
2235	-1.7872042	0.01361184	2.24997749	2.76324259	0.74600248	3.33637874	-0.9154832
2237	-0.7605357	1.29776778	1.1992959	0.01075455	-0.384839	-0.9404857	0.37725508
2239	-1.695428	2.96206141	-0.57119	1.43897938	1.24414175	-0.7691856	1.34173076
2240	-0.4846566	0.85996835	1.22242559	-0.1336101	0.31253173	0.25878674	0.37786021
2240	-0.2361685	0.99705327	1.86860534	0.75686799	0.1950688	-0.4365296	0.83865526
2240	-2.4616664	-3.8438582	1.20968415	-2.1640581	1.84775633	-0.5429965	-2.0661976
2241	-0.4745694	0.43952569	1.24570391	-0.6536994	0.76256926	-0.5681324	1.00828257
2241	1.33188937	-0.8845196	0.47079739	-1.8797421	-1.3782424	-0.8416239	-0.6260032
2242	-2.2297569	1.08376445	1.67640109	-2.6764769	-0.4393973	-0.4269026	0.41931282
2242	-0.8652186	0.55953262	1.82793724	1.91653029	-1.340151	0.42278495	0.36887004
2243	1.22604513	-0.0224815	0.50609807	0.85555166	-0.6729541	-0.7416193	-0.1068912
2246	-0.1027313	0.62742895	0.94706108	-0.8642772	0.27712098	-1.554804	1.44249031
2247	-1.3639189	0.24768045	0.90959461	1.1275033	1.55551762	-0.8071576	1.39029589
2248	1.19831775	0.27090394	0.40093774	0.63045298	-0.4594348	-0.8770138	-0.0468923
2248	1.20185562	0.0932397	0.58742673	0.56808702	-0.6600192	-0.8218916	-0.1414255
2248	0.78819301	-0.6389516	-2.0032113	0.27619242	2.296666	3.19381964	0.34028659
2249	1.2363043	-0.096342	0.92069832	0.65839281	-0.5737398	0.20075751	-0.5503109
2251	1.40945934	-1.2389296	0.87847932	-1.4267805	-1.8015367	-0.157437	-1.5230103
2252	-1.5835499	0.5457351	0.86947159	1.30556579	1.87775329	-0.7216478	0.95591665

2252	-0.6082931	0.53470343	2.43797573	0.0121046	-0.3053142	0.36034301	0.00340779
2252	1.26192607	0.33029556	0.05146363	0.40992262	0.07750662	-0.3395403	0.01200591
2256	-0.3779652	1.63402128	-0.1997898	0.91946162	0.04531959	-1.2002427	0.67782905
2257	1.23835072	-0.3060133	0.05746312	-0.4744828	-0.1007709	0.4188645	-0.4658634
2258	-1.0304506	-0.3910771	2.22440834	-2.4340899	0.17898075	0.93083983	-0.2638668
2259	1.29505518	0.20624316	0.2956681	0.50817592	-0.2757321	-0.718065	0.02248469
2259	1.06615457	0.55932422	0.84466502	2.36725755	0.02206946	0.18702211	0.02569865
2261	1.23725765	0.10832546	0.60701884	0.71777424	-0.8280345	-1.2308353	-0.0757029
2265	-1.0628201	1.26778066	0.75160773	-0.142661	-0.0350057	0.17843462	-0.0033979
2265	-1.2661712	-0.3214593	1.78460532	-2.4048789	-1.2518383	-0.3481211	-0.6755383
2265	1.20035026	0.13929352	0.14088747	0.52825576	-0.2919147	-0.5859688	-0.0904486
2269	-1.1097274	0.28188567	2.35298186	0.27558214	0.26114027	0.17469242	0.824667
2269	-0.7245373	1.04477247	0.68113684	-0.3563502	0.0321581	-0.0008773	0.09507362
2269	1.102464	-0.3089345	0.83563533	1.551249	-0.4064297	1.05609162	-0.5908384
2270	-2.1711931	1.5212959	0.69804322	1.48096011	-1.0965109	1.11897958	-1.113668
2270	-2.1711931	1.5212959	0.69804322	1.48096011	-1.0965109	1.11897958	-1.113668
2270	-2.1711931	1.5212959	0.69804322	1.48096011	-1.0965109	1.11897958	-1.113668
2270	-2.1812043	1.50552841	0.70504399	1.48483406	-1.06091	1.0947716	-1.1468837
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2270	-2.1812043	1.50552841	0.70504399	1.48483406	-1.06091	1.0947716	-1.1468837
2270	-2.1877072	1.49528644	0.70959143	1.48735044	-1.037785	1.07904702	-1.1684594
2270	-2.1877072	1.49528644	0.70959143	1.48735044	-1.037785	1.07904702	-1.1684594
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2271	-1.0878754	-0.2868569	1.63087134	1.62549422	1.03757605	-1.1117929	0.09056017
2271	-2.6883412	2.01902214	0.24704979	1.4473194	-1.464845	1.05959908	-1.4829373
2272	-0.6336325	-0.0107074	1.29313075	0.2855439	1.59415058	0.26459311	0.08221285
2274	-0.3578323	0.95099633	1.26976649	-0.4015622	0.29909427	-1.1395659	0.86282045
2278	-1.0150417	0.59187189	1.77638603	0.68278769	0.52712498	-0.7548569	0.20249737
2279	-1.055962	0.8438396	1.56817419	-0.0111936	0.42243661	1.382765	0.5665266
2280	1.06591997	0.01406707	1.50494043	1.4109449	-0.9512388	-0.0114779	-0.5361909
2280	-1.2074518	0.71278615	1.43808279	-0.5806277	0.94943867	-0.0622564	0.3245659
2280	1.13271528	0.15148674	0.38619031	1.40677981	-0.1676776	-0.1752405	0.08690574
2283	1.3678769	-0.7375283	0.75537743	-0.7916557	-1.1132196	0.01025256	-1.1349773
2284	1.07459328	-0.3108741	0.47191853	-1.0023341	-0.1657627	0.6508207	-0.4823399
2284	-0.674245	1.43790009	2.62077424	2.77371933	-0.4356849	0.56035862	1.04474239
2287	1.12193665	0.22134106	0.53338352	1.31622032	-0.1430687	0.02898438	-0.0064804
2288	-1.2935338	-1.8831926	-0.1070635	-1.3371323	0.32253975	-0.4974922	0.86856499
2291	-0.7785019	1.00171351	0.93798155	0.22007205	0.79098215	-0.4601025	0.87306037
2291	1.22554941	0.22918716	0.45074177	1.22302692	0.36891037	1.12063835	-0.4338964
2292	-1.8742715	2.14498485	0.4278385	-0.7119544	0.60888381	1.48887694	-0.8084517
2292	-1.2160948	1.0973616	1.15112496	0.00444068	0.40439211	1.16942845	0.38105006
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2638	1.13195212	0.15014169	0.49464767	0.39994907	0.00576587	0.28796251	-0.1562368
2640	-0.1188772	1.2624847	0.14722491	0.71388188	0.5653117	-0.3555136	0.83043871
2640	-0.6925818	1.90246642	-0.2155724	0.49328461	1.47288241	-1.6619927	1.43207468
2641	1.08230124	0.02818062	0.45096565	0.42377583	-0.0633368	0.29249888	-0.1607287

2642	-0.6007816	1.32009743	1.19090005	0.01055498	0.05794571	-0.9747543	0.77920846
2642	1.19539336	0.18494668	0.61464533	0.65105599	-0.4870156	-0.7193624	-0.0364262
2643	0.75244033	-1.3890726	0.28289177	-0.0968835	-1.2114649	-0.1268907	-0.292895
2643	1.23493117	-0.1581701	0.00647971	-0.3579441	-0.2007638	-0.4276981	-0.0348418
2643	1.23515186	0.10787142	-0.068843	0.87322384	0.30868676	0.39000956	-0.0882969
2644	1.23966049	0.32296422	0.80613555	0.98643028	-0.3242091	-0.3048232	-0.167178
2645	1.08419354	-0.2181966	1.00938104	1.00738173	-0.7269276	0.20267723	-0.6179841
2645	1.04983755	-0.6145921	0.9717437	0.03075818	-1.0635674	0.07877698	-0.6803237
2649	-0.7506927	0.57671187	2.10504651	1.30710907	0.51686171	-0.137153	1.0801763
2650	-0.9440994	0.80367376	1.12818519	0.1490617	-0.4745606	-0.7212016	0.33291929
2652	-0.7992489	0.89914004	2.47920197	3.22957377	-0.4938782	0.10342551	0.18172711
2652	-0.982451	1.08665481	2.4887509	3.0336963	-0.8955291	1.1521679	-0.2271071
2652	1.03453061	-0.5700489	0.66428308	0.80029605	-0.8748721	0.15503577	-0.4966454
2653	-1.0685755	0.31060542	1.38697202	0.1861488	-0.5958366	0.58329246	-0.6494678
2653	0.47284088	-1.2340079	-0.2591088	0.00238929	-0.4717254	-0.0443087	0.44952219
2653	-1.0451887	-1.0676509	1.50802508	0.59189537	-1.9589051	1.97144904	1.19027268
2654	-0.3151877	0.40728398	0.15215649	1.63925724	2.85839744	4.08924503	-0.4167481
2656	0.69109869	0.38671456	-0.3367266	0.14441026	0.03343635	-1.3288996	1.01137577
2656	-1.8508951	-2.1967905	1.92161166	-1.7581817	4.11730205	-3.7951346	-5.8825163
2658	1.10094088	-0.3512557	0.40012877	0.83596102	-0.7328575	-0.4649997	-0.1667381
2662	0.02627016	1.35642823	-0.1909074	0.68091573	0.749422	-0.6661517	1.00947261
2663	-3.3027422	1.81326378	2.44007872	3.58137765	-2.1165992	1.98272001	-3.3567761
2663	0.13111172	-2.0916141	0.65266845	0.64467597	-1.54485	0.52451976	-0.1796099
2663	0.22440896	-1.9761195	0.58016509	0.51636929	-1.5605205	0.17500911	-0.1437303
2666	-0.6958593	1.46580248	0.94930955	0.09476361	-0.1776782	-0.9871983	0.49008924
2666	-1.467643	3.4942283	-3.3149189	0.58702568	1.33424006	-0.909211	0.94474464
2669	1.29371634	0.09089001	-1.3008781	-0.0573356	2.25453139	3.29250479	-0.3562926
2674	-0.5348715	0.8305586	1.46995602	0.30426413	0.22122717	-0.3334378	0.7097665
2674	1.0630552	0.01457561	1.00235289	2.36244419	-0.2134273	1.16608496	-0.6087469
2678	-0.9045656	0.51146634	2.09490291	0.25453464	-0.4216695	-0.3356409	0.04566884
2679	-1.7599851	0.74664308	1.2243225	0.16625211	-0.151035	-1.3388429	0.44678837
2679	1.14646902	-0.6620393	-0.053148	-1.5026139	0.08772094	1.23076806	-0.5865803
2681	-0.8941983	1.39326528	0.94816585	-0.2306115	0.26835046	0.31399954	-0.0538666
2682	-0.9243289	1.24743428	1.35522792	0.65062516	0.22187779	0.12830558	1.0764919
2683	-0.4891618	1.0837021	1.13582154	1.772784	1.10629782	1.11511818	0.82120866
2683	-0.5313575	1.78785649	-0.6567977	0.66420754	0.38826473	-0.7361257	0.64093207
2684	-0.2399979	0.84154483	1.60828145	1.53107452	0.08315503	-0.287133	0.57377276
2687	-0.4093454	0.86899006	1.35201547	0.90303558	0.4014767	0.52941797	1.0267067
2689	-0.8572628	0.71154952	2.41764617	0.41903595	-0.0185331	0.33240633	0.42105139
2690	1.21220534	-0.1004149	1.05947589	0.74010146	-0.7558392	0.00164634	-0.5553768
2698	-0.6697164	1.80070914	1.06000042	2.83420205	-0.385511	1.29057658	-1.3810698
2698	-2.6669908	1.70673371	0.89381738	-0.2614507	-0.432645	-0.1481718	0.3152999
2699	-2.2709162	-0.7429751	0.5144169	2.11406075	2.07548162	-0.0821818	-1.0069407
2701	1.1388606	-0.856492	-0.1494317	-0.5429232	-0.7530824	-0.4890121	-0.1186014
2703	-0.9144008	0.68917467	2.22953761	-0.0394539	-0.139779	0.28046968	0.12670388
2704	1.23452068	-0.3688258	0.0649016	-1.3207212	-0.8408925	-1.4668221	0.03076714

2705	-0.5005744	0.63860947	2.14290878	1.13648779	0.47706563	0.40210271	1.0731768
2708	-3.8000858	-2.5377452	0.65888914	0.81582139	1.94605184	-1.6134568	0.12123291
2708	0.39735728	0.89190205	0.77683544	1.24963192	0.5764414	-0.0128207	0.72568676
2708	1.07644753	0.63461411	0.57932741	2.92377926	-0.0360685	-0.0303889	-0.0084604
2708	-2.9078173	-0.6557806	1.1314452	-1.2710894	-0.5579176	0.60722786	-0.0354665
2708	-0.0590491	0.79210739	1.16301841	1.68013844	0.24588592	0.2738857	0.4881321
2709	-1.0913653	2.21618814	-1.1217667	0.64838559	0.03323464	-0.8101995	0.26668464
2709	-0.3045182	0.55610922	2.20969958	0.90806058	-0.0430717	0.78701813	0.05644284
2710	-0.7332638	0.22073994	2.15438004	0.04306861	-1.0427912	0.84234946	0.96076688
2711	1.09692967	0.09242735	1.0571875	1.1633345	-0.7236931	-0.3357823	-0.329282
2713	-1.3246414	-0.5346184	1.10926569	0.66517621	0.08838045	-0.1110081	0.4908266
2714	-1.1180624	0.73491616	0.72749637	-1.3523626	-0.4757465	-0.5841922	0.7996076
2715	-0.4639202	1.03521517	1.59218039	-0.1518633	0.03377575	-0.543685	0.67492968
2716	-2.5732848	-0.4069295	-0.1906871	1.29476995	-0.7369691	1.42045401	1.00509824
2716	1.27030809	-0.5633128	0.0365312	-0.4682862	-0.6723576	-0.5515067	-0.1675118
2718	-1.1418274	0.15682798	1.82401719	-1.2941943	0.80357903	-0.1289724	0.21403487
2718	1.16126099	0.28274277	0.43025102	1.38599301	-0.0542433	-0.1610081	0.14827549
2718	-2.2648015	2.04793058	-0.0471058	-1.5389786	-1.0273984	-1.0212099	-0.3347464
2720	-1.3040768	-4.9521893	-1.5842035	0.4920462	-2.0736993	-0.0537314	1.50290266
2721	1.25660129	0.42252784	0.32564768	0.6844749	-0.2874557	-1.0507548	0.15134895
2722	-1.346588	0.73804959	0.99629049	0.58226761	-0.4843506	0.99545626	0.48733487
2724	-3.1187699	0.54736861	-1.6743786	-0.8889318	1.30793341	3.62770832	-0.298458
2726	-1.2220258	0.14235968	2.8342134	0.09886123	0.40652058	0.07116111	0.132806
2727	-1.5498255	0.84760023	2.52854447	-0.1366122	0.4108003	-0.1576582	1.34769856
2728	1.1614358	0.16243226	0.59308527	0.5020579	-0.3305086	-0.313985	-0.112559
2728	0.95778413	-0.5936681	1.84928679	1.71637784	-1.3695896	1.14332266	-1.2730249
2729	-1.7533251	1.20667927	2.11333226	0.80042063	-0.1293494	0.03854138	0.74752194
2729	1.20251183	0.5076141	-0.5057282	1.21885184	0.21296245	-1.0386253	0.46469544
2730	-0.3190745	0.47167123	1.84162049	-0.6608186	-0.3484193	-0.5917769	0.51944124
2731	1.27655083	0.32952522	0.07602211	0.57219119	-0.0957265	-0.7561694	0.10512194
2734	-0.6003759	1.24095586	1.19703676	-0.0296276	0.18611194	-0.4956425	0.62727689
2735	1.10361554	-0.1154717	0.68537098	0.84940671	-0.6797987	-0.3779165	-0.156527
2736	-0.408618	0.93740537	1.91657027	0.01071483	0.00703651	-0.6811155	0.88699682
2739	-0.4402112	0.72661916	1.75347773	-0.8964271	-0.4021021	-0.988633	-0.508813
2740	-0.7304682	0.66381394	1.93597798	-0.2758504	0.13931386	-0.6631911	0.63915539
2740	-1.5789474	1.41574992	1.29702903	-0.1952153	0.22320442	-0.6333305	1.23268134
2741	1.33214151	-0.4398457	-1.2130633	-1.797514	1.74875486	3.20521301	-0.6660611
2742	-1.4769801	0.74563709	1.32787897	-1.6111668	0.11848719	-0.0828563	0.64744639
2742	1.1907447	0.32219098	0.41478347	0.62521007	-0.3837032	-0.8541714	0.01952659
2742	1.16166529	0.62401562	0.71086172	2.49018869	-0.126253	-0.5087079	0.21037795
2742	-1.032672	0.28838069	2.0638758	0.35357922	-0.2989212	-0.3652028	0.40075061
2743	-1.1186726	-0.7273771	1.55001289	-1.6490351	0.06564798	-0.8020607	0.18040639
2744	-1.3722748	0.0681465	-0.7537732	-3.3772373	1.54589467	3.3133582	0.67069907
2745	1.11054096	0.21242813	0.53761	1.47621795	-0.262395	-0.344631	0.14226168
2745	0.19729855	-2.7749054	0.88450332	0.127284	-2.2292649	0.62554162	-0.7718059
2746	-2.5247464	-1.939601	2.47799497	-0.9085462	0.82255677	-1.3502403	-0.2080706

2748	-1.5550912	0.40880514	2.81951878	0.75885924	0.89958063	0.15387865	0.14136056
2749	-0.6546132	0.96936048	1.68993431	1.05501864	-0.4917932	-0.0069986	0.48622375
2749	-0.6546132	0.96936048	1.68993431	1.05501864	-0.4917932	-0.0069986	0.48622375
2749	-0.62478	1.01634722	1.66907218	1.04347435	-0.5978831	0.06514051	0.58520564
2749	-0.62478	1.01634722	1.66907218	1.04347435	-0.5978831	0.06514051	0.58520564
2750	0.73716267	1.51476428	-3.3383474	0.41245309	3.58344155	2.40289871	0.56200537
2754	0.24809944	-1.9540495	0.5010857	0.368722	-1.4885711	0.22838823	-0.1448735
2754	-0.8148061	0.7883417	-0.0534847	-1.20241	2.01971645	-0.3255883	0.86866482
2755	1.23255288	-0.3333287	1.16846757	0.16058643	-1.2551723	-0.4752448	-0.7290028
2756	-1.2024977	-0.6332231	0.87042006	0.09415185	2.42868897	0.43705517	0.22103764
2757	-0.9111219	0.34172473	1.37970264	-0.0615539	1.05552793	-0.8613603	0.48002454
2758	-0.5726195	1.15092596	1.25439162	-0.1012667	0.58964453	0.23794265	0.56264844
2758	-2.1589335	-0.9136239	2.1867518	2.74361984	1.72703362	-1.3676772	0.27497447
2760	-1.2095414	1.39076177	0.18679197	-0.8118543	2.26137026	0.09158887	1.06788729
2762	-1.3710779	1.56318148	0.21083591	-1.6860382	-0.0301909	-0.3842187	0.12253742
2762	-0.8649488	-0.7699201	0.82922468	-1.7351652	-1.1759577	0.25345452	1.31569695
2763	0.99341013	0.0375869	0.12838461	1.04684405	0.06721231	0.01755749	0.22828107
2768	1.14608396	-0.3012513	1.19833754	0.88840718	-1.2089521	-0.321014	-0.679279
2770	1.2266807	0.63612957	0.08383908	2.50071201	0.06323272	-0.8777831	0.45926297
2772	1.20878894	-0.1233893	0.32426452	-0.0460667	-0.4466715	-0.3141777	-0.2937251
2777	1.21898548	-1.0754256	-1.1549291	-2.9658357	1.20355647	3.15894193	-0.9745865
2778	-0.7580083	1.19403611	1.46845855	-0.2283202	0.17362467	0.09327386	0.33421678
2782	-1.3970023	0.66374896	1.47796568	1.21056111	-0.9155328	-0.1941833	-0.1393215
2783	-0.3595169	0.59054379	1.06747293	-2.0173724	0.02086769	-1.5455123	1.059702
2784	-0.4023916	0.56733984	1.04644942	-2.0707009	0.23891278	-1.0668232	1.00549254
2784	-0.3604262	0.50070115	1.04168792	-2.0053216	-0.0898088	-1.5750177	0.97556449
2785	-0.6057503	0.32970391	1.44314942	2.42911248	-0.6092421	2.83189866	-0.5766587
2785	-0.3787516	0.58441861	0.96593752	-2.2176787	0.3047135	-1.0150833	0.99967504
2785	-0.4021895	0.58730488	1.05217942	-2.0733789	0.26350755	-1.0602665	1.02418976
2786	-0.3780948	0.64930496	0.98456003	-2.2263821	0.38464649	-0.9937738	1.06044103
2786	-0.3782969	0.62933993	0.97883002	-2.2237041	0.36005172	-1.0003306	1.0417438
2786	-0.584852	0.61966479	0.94793087	-2.2176605	0.46725003	-1.0242422	1.05203913
2787	-0.4025937	0.54737481	1.04071941	-2.068023	0.21431802	-1.07338	0.98679531
2787	-0.5780505	0.83913181	0.98404647	-2.0837725	0.05849305	-1.5376485	1.11618088
2788	-0.6205716	0.85086667	0.97305045	-2.1417874	0.31957899	-1.047485	1.09469156
2788	-0.4162847	0.58865763	1.185738	-2.091479	0.03334935	-1.3225957	1.00168992
2789	-0.4154259	0.67350901	1.21009051	-2.1028603	0.13787711	-1.2947295	1.08115313
2789	1.26172196	-0.0402068	0.09046045	-0.9401328	-0.5620324	-1.2704074	0.09250045
2790	-0.4585532	0.62534878	1.18190449	-2.1528413	0.32517874	-0.8242364	1.00357213
2790	-0.7979539	0.91492465	0.92853078	-2.1474931	0.12675239	-0.690384	0.5359078
2790	-0.6780973	0.77411163	1.06982802	-2.2058517	0.23983027	-0.8491562	0.96656487
2791	-0.5194271	0.37538265	1.23691887	-1.8595126	0.53519666	-1.5046702	1.08787205
2791	-0.4579975	0.68025261	1.197662	-2.1602057	0.39281435	-0.8062053	1.0549895
2792	-0.4161837	0.59864014	1.18860301	-2.092818	0.04564673	-1.3193174	1.01103853
2792	-1.8883782	-0.5201398	2.5313821	-0.4937784	-0.152161	-1.1131889	-0.2378342
2793	-3.1687677	3.20017343	-1.3250548	0.41085105	-0.3909771	-1.3686316	0.64554237

2793	-0.459311	0.55047991	1.16041699	-2.142799	0.23294837	-0.8488242	0.93345753
2793	-0.4150722	0.70844782	1.22011802	-2.1075467	0.18091795	-1.2832552	1.11387327
2793	-1.0485601	0.3410168	1.87929417	-1.9536158	0.52656652	-1.4588127	1.02684987
2794	-0.4591089	0.57044494	1.16614699	-2.145477	0.25754313	-0.8422674	0.95215475
2794	-0.2751757	0.47493476	1.96310429	1.2962678	-0.0745162	1.0872496	0.11482995
2794	-0.6688306	0.82820023	1.2286826	-1.9977329	0.09294257	-1.3220347	1.11104417
2795	-0.3957869	0.71956425	1.32308593	-1.9079099	-0.0967792	-1.8120451	1.17857454
2795	-0.4148701	0.72841285	1.22584802	-2.1102247	0.20551272	-1.2766985	1.1325705
2796	0.978933	-0.2288057	0.41686109	0.5191303	0.29074248	1.65246862	-0.4547127
2796	-0.9256705	0.90809566	0.95631831	-2.2238131	0.10383668	-0.7097619	0.6308289
2796	-0.4588058	0.60039249	1.17474199	-2.1494939	0.29443528	-0.8324323	0.98020059
2797	-0.4588563	0.59540123	1.17330949	-2.1488244	0.28828659	-0.8340715	0.97552629
2797	-0.4587553	0.60538374	1.17617449	-2.1501634	0.30058398	-0.8307931	0.9848749
2797	-0.394827	0.81439815	1.35030344	-1.9206302	0.02004598	-1.7809005	1.26738636
2798	-0.4161837	0.59864014	1.18860301	-2.092818	0.04564673	-1.3193174	1.01103853
2798	-0.4586542	0.61536626	1.17903949	-2.1515024	0.31288136	-0.8275147	0.99422351
2799	-0.438409	0.7213166	1.30922492	-1.9645858	0.15200939	-1.32516	1.1477366
2800	-1.2012304	-0.7431438	0.4131749	-2.3941788	-1.5663365	0.68092558	1.941759
2800	-0.4165373	0.56370134	1.1785755	-2.0881316	0.00260589	-1.3307917	0.97831838
2800	-0.6352225	0.79731558	1.09085153	-2.1525232	0.02178518	-1.3278454	1.02077434
2800	-0.6778447	0.79906792	1.07699052	-2.2091991	0.27057373	-0.8409603	0.9899364
2800	1.22031757	-0.0428041	0.71491174	-0.1330978	-0.7888287	-0.8028455	-0.2682933
2801	-0.4149207	0.72342159	1.22441552	-2.1095552	0.19936403	-1.2783377	1.12789619
2801	-0.6341616	0.902132	1.12093405	-2.1665824	0.15090771	-1.2934224	1.11893477
2802	-0.4380049	0.76124666	1.32068492	-1.9699418	0.20119892	-1.3120465	1.18513106
2802	-0.6774405	0.83899799	1.08845053	-2.214555	0.31976326	-0.8278468	1.02733085
2803	-0.4585027	0.63034003	1.183337	-2.1535108	0.33132744	-0.8225972	1.00824643
2803	-0.4321786	0.92568974	1.42883152	-0.2176647	0.07002209	-0.4032223	0.53622418
2803	-0.4583006	0.65030507	1.189067	-2.1561888	0.3559222	-0.8160404	1.02694366
2803	-0.438308	0.73129911	1.31208992	-1.9659248	0.16430677	-1.3218816	1.15708522
2804	-0.6786025	0.72419906	1.05550301	-2.1991568	0.17834335	-0.8655481	0.91982181
2804	-0.4583006	0.65030507	1.189067	-2.1561888	0.3559222	-0.8160404	1.02694366
2805	-0.5516884	0.73443611	1.02928769	-2.1231813	0.20864903	-0.8454185	0.82880748
2806	-0.6782994	0.7541466	1.06409802	-2.2031737	0.2152355	-0.855713	0.94786764
2806	-0.4169415	0.52377127	1.1671155	-2.0827757	-0.0465836	-1.3439052	0.94092393
2806	-0.8146013	0.85278548	1.04232887	-2.2223952	0.28871234	-0.8395059	0.99289111
2807	1.21758419	-0.1881922	0.03362442	-0.9767241	-0.4977046	-0.8326979	-0.0785667
2807	1.2385367	-0.0123642	0.18386485	-0.7991804	-0.5724949	-1.3073946	0.1403867
2808	1.26030735	-0.179962	0.05035043	-0.9213871	-0.7341958	-1.3163046	-0.0383801
2808	-0.9708663	0.57465366	1.00121002	-2.1607369	0.28133881	-0.931407	0.88324963
2809	-0.4388132	0.68138653	1.29776491	-1.9592299	0.10281986	-1.3382735	1.11034215
2809	-0.4584016	0.64032255	1.186202	-2.1548498	0.34362482	-0.8193188	1.01759505
2809	-0.4588058	0.60039249	1.17474199	-2.1494939	0.29443528	-0.8324323	0.98020059
2810	-0.4588563	0.59540123	1.17330949	-2.1488244	0.28828659	-0.8340715	0.97552629
2812	-0.633403	0.96361604	2.49494562	2.09905099	-0.4043307	0.23586158	-0.0079319
2812	-0.6281154	0.36435871	2.14747419	0.01560159	-0.3782012	0.79859998	0.12088183

2814	-1.1022813	1.952894	0.99049036	2.77416202	-0.2172386	-0.2551286	0.93137552
2815	1.22381023	-0.4525563	1.01587444	-0.6272579	-1.4956156	-1.0150917	-0.6852834
2815	1.24796148	0.20703235	0.26310271	0.71468576	-0.5429053	-1.116738	-0.0357859
2818	-0.230174	-0.3590546	1.61670836	-1.7853305	-0.5720142	-0.1526213	-0.258682
2819	-1.1997524	-0.8207964	0.77883567	1.68720511	1.88781795	1.12462737	-0.2318288
2820	-1.0316869	0.46498527	1.19997813	-2.0904945	-0.2566897	-0.4604379	0.1193664
2821	-1.1676315	0.69373816	0.79195619	-0.0082676	-1.4118601	-0.6833423	-0.549083
2821	-0.97763	-1.6252802	1.22097429	-1.4064427	-0.2527225	0.79866252	-0.390497
2822	-1.9296353	-1.7187792	2.99285489	-3.136892	0.20188906	0.28273839	-1.2724627
2822	1.17569499	0.11425438	0.49459954	0.45937183	-0.2830041	-0.2102788	-0.1573519
2823	-1.3097762	0.38866309	1.80970359	-1.4999924	0.24850316	-0.7817042	1.61467028
2823	-4.1772514	-2.7233234	-0.163842	2.46573546	2.29815466	-1.8354369	-1.0702836
2826	-1.4269019	-0.4637905	0.99936638	-2.8185993	-1.3516423	-0.1172679	-0.1727485
2826	-4.3813515	-2.2122449	0.28404885	2.47492991	-0.429619	0.00597152	-0.4483599
2827	-0.7065982	0.97452316	2.84800225	1.62437481	-0.2479902	-0.0843088	0.27925308
2828	1.18169674	-0.0079084	-0.0668454	1.53222302	1.72883164	4.40988462	-1.1388158
2829	-1.0273132	0.88298486	-0.113214	-1.3782489	2.55018961	3.40539283	0.60607931
2829	-5.3429448	-1.4952915	0.20604032	2.34900841	-1.6949376	0.66771075	0.1078867
2829	-0.955702	1.81028235	1.14966082	2.90356287	-0.4469839	-0.3226455	1.24233863
2830	-0.9118966	-0.761176	2.06133717	-1.6046711	-1.3061112	0.1195569	-0.9552875
2831	-0.7504587	1.42080712	-0.4625765	1.666384	2.50081363	3.92685723	0.3460822
2833	1.23282686	0.49409071	-0.6276872	0.8392342	0.15677691	-1.0260966	0.22599643
2833	-1.6159555	-1.1639725	2.40304753	-1.4569808	-0.7398829	-0.3375136	-0.4340663
2833	-0.9706542	1.2330081	1.79439008	-0.2805962	0.38003245	0.1260515	0.95957348
2834	1.25024886	0.01906268	-1.3261076	-0.0390587	2.23234084	3.3006018	-0.3264355
2834	1.19808799	0.9879359	-2.3747383	1.11523091	1.84540968	-0.0409245	0.59090491
2834	-0.5186574	0.89178941	1.46051054	1.06743752	0.63264913	0.55231671	0.63810196
2836	-1.1297892	0.72979351	1.2902063	1.22944283	-0.0132956	0.51671128	0.0631752
2837	-0.7002967	0.39694641	0.69725383	0.20265558	-0.9497857	-0.2133619	0.65826006
2837	-0.308894	0.99113613	0.809824	-0.31663	0.57790068	-0.0080662	0.55464868
2839	0.15368536	1.11161353	0.71567935	2.64160675	1.42211844	1.48203618	0.82263694
2840	-0.4522168	0.97128381	1.57923455	-0.1452689	-0.0471028	-0.5852291	0.56688289
2842	1.15085994	0.18026546	0.60300919	0.5971516	-0.2476324	-0.2341627	-0.0724402
2845	-1.479452	1.54287426	0.29089542	0.83814174	-0.5292896	-0.7176608	0.48451618
2846	1.23308366	0.37327848	0.44541781	0.76873926	-0.5175627	-1.2561642	0.10402938
2846	1.00957555	0.07290629	1.71482479	2.4220862	-0.8881634	0.69415669	-0.9577763
2847	1.18943352	-0.4898328	0.99349974	-0.7718989	-1.3629191	-0.6230583	-0.7743312
2847	1.11632934	0.10589912	0.27367983	1.21110988	0.06251643	0.33982045	-0.0174591
2852	-1.6740039	1.76849478	1.64429292	0.23172298	0.31930787	0.39933778	0.76600248
2853	-1.9157551	1.9778971	1.19195242	0.94936802	-0.8726126	-0.3925529	-0.196058
2855	-0.904782	2.02664909	0.83449489	2.61425819	0.55693445	0.77419027	0.2401389
2856	1.26328241	-0.7889605	0.9772586	-0.7837394	-1.273289	0.06601746	-1.1800797
2856	0.96067857	-0.1858198	0.52833865	0.72447098	0.10498832	1.1535186	-0.2738307
2858	-0.9567779	1.30872242	1.7158281	-0.0374977	-0.0943863	-1.0610899	0.77590378
2859	1.21979257	0.60025988	-0.4640461	0.80707482	0.05574123	-1.2540029	0.30165702
2860	-0.5009324	0.99329195	2.39203527	0.72309909	0.23111104	0.04457421	0.70571682

2861	1.24660417	0.04422742	0.42574915	-0.1363544	-0.5985676	-0.9887205	-0.0399811
2862	1.24320875	0.78223948	0.08832814	2.26825012	0.58254389	-0.2246908	0.54068466
2864	1.21208731	-0.1748026	0.51194206	0.70048212	0.0526976	1.46336277	-0.8304402
2865	1.15436229	0.46256744	0.39665842	2.11281473	0.42003893	0.75085941	-0.093514
2866	1.02096242	-0.1303744	0.55070011	0.70495742	0.08065769	1.12745169	-0.3576197
2866	1.02096242	-0.1303744	0.55070011	0.70495742	0.08065769	1.12745169	-0.3576197
2866	1.01047227	-0.1477088	0.5446114	0.70936825	0.07530237	1.12940577	-0.3504142
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2868	-2.8365742	2.200151	-0.0945709	0.0268588	-0.8882798	0.99273195	-1.0762841
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2868	-2.8488283	2.18085111	-0.0860018	0.03160064	-0.8447031	0.96310067	-1.116941
2868	-2.8488283	2.18085111	-0.0860018	0.03160064	-0.8447031	0.96310067	-1.116941
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2869	-0.5592857	0.25845464	2.25115329	0.64696143	-1.5180101	0.59970804	-0.9207522
2870	-0.4606024	0.39932808	0.84709146	0.58031131	2.46336849	4.23238433	-0.5693526
2873	-1.7685428	1.24394438	1.96738188	3.10210683	-1.1188001	0.97598429	-0.7128123
2874	1.20921935	0.43720768	0.63907083	1.17988074	-0.4258735	-1.0559577	0.2059678
2874	-1.2886901	1.36412133	0.54171694	0.53147471	-0.0688764	1.85841621	1.40535979
2874	-0.9112672	1.45817753	-0.5165502	1.66026048	2.47735065	3.94244574	0.36277903
2876	1.24824359	0.55793045	0.4149761	2.28356533	0.14159424	-0.0682124	0.06153014
2878	-0.8004418	0.61144982	0.60430733	-1.5552091	0.21031529	0.2167487	-0.1849325
2880	1.25355058	0.22456544	0.28666524	0.44908538	-0.0080044	-0.2264423	0.00500618
2884	1.13749385	0.05985206	0.64670704	0.87052322	-0.4575352	-0.3999166	-0.0095483
2886	0.69051203	-2.2763117	-0.2402675	-0.9990111	-1.6093068	-0.2473313	-0.3756195
2888	-1.1984207	0.37668637	1.35308559	0.56042255	-0.4062095	2.02451222	0.12802814
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2890	-1.5010211	1.8280566	0.36039121	0.16785612	-0.0739393	-1.1695194	0.24010034
2891	-1.3564104	0.43482766	3.17629581	2.54259571	0.25065122	0.47182519	-0.0423858
2892	-1.5160513	1.35680682	1.17687714	2.90317312	0.15087731	0.00304705	1.1982647
2892	1.296215	-0.7995442	0.93565434	-0.6593222	-1.3880421	-0.2651826	-1.1140023
2893	-1.6222097	-0.453055	0.95003383	-0.2785917	1.4303747	-1.367408	0.14498464
2893	1.01537608	-0.8593228	0.17569156	-1.3034241	-0.6756089	0.15680307	-0.4214492
2895	-0.9803219	0.34403984	2.72781835	0.2339605	-0.4675834	-0.0102306	0.90172909
2895	1.01502267	-0.1007661	0.20365384	1.25889261	-0.0381848	0.3455028	0.01445465
2896	-0.673572	0.53049172	1.03910347	-1.298466	-0.0719689	-0.8479011	0.12147563
2896	-2.4923615	1.46642204	1.24505811	3.14924104	-2.0697691	1.26068413	-0.4897226
2896	1.18270806	0.15175676	0.23049329	0.67011868	-0.3301619	-0.6322316	-0.0699148
2899	1.16795404	0.12588115	0.87922523	0.7866637	-0.8691204	-1.1118671	-0.0798869
2901	-0.6123477	1.42513771	0.65618923	0.76011356	0.06071824	-0.5454572	0.42718234
2902	-0.5038835	0.8223249	0.71295957	0.502541	-0.4608915	0.34562316	1.79752208
2904	-0.500142	0.79118872	1.24942043	-0.0590068	0.19849565	-0.29371	0.34122132
2906	1.33576092	0.01873449	-0.3709427	-1.1302902	0.17913764	-0.5005092	0.17455252
2906	1.04344826	-0.2679947	0.02379929	0.37410675	-0.2590361	-0.1888054	-0.0021738
2907	-0.4957102	1.15664058	1.46778436	0.06036642	-0.1123246	-1.1864072	0.83246961
2907	-0.5817319	0.72035899	0.49066793	-2.5255802	0.88693503	-0.070137	0.92126748

2907	1.37696843	-0.1227731	-0.3971917	-1.0548686	-0.2418143	-1.0332915	0.07450987
2908	-0.3418416	0.68752899	0.73579483	-2.2869923	0.82370892	-0.539584	1.12113644
2908	-0.3182016	0.70460775	0.65528293	-2.4339701	0.88950963	-0.4878441	1.11531895
2909	-0.3426499	0.60766886	0.71287482	-2.2762805	0.72532985	-0.565811	1.04634754
2909	1.37722104	-0.0978168	-0.3900292	-1.058216	-0.2110708	-1.0250956	0.0978814
2910	-0.31901	0.62474763	0.63236293	-2.4232583	0.79113056	-0.5140711	1.04053004
2910	-0.3003815	0.57097771	0.71670833	-2.2149181	0.43350046	-1.0641704	1.04446533
2911	-0.5409094	0.48574284	0.64690938	-2.2566524	0.67196432	-0.6261044	0.94238171
2911	-0.2998763	0.62089029	0.73103334	-2.221613	0.49498737	-1.0477785	1.09120839
2911	-0.3432057	0.55276502	0.69711732	-2.2689161	0.65769424	-0.5838421	0.99493016
2912	-0.2999773	0.61090777	0.72816833	-2.220274	0.48268999	-1.0510569	1.08185978
2912	1.35707687	-0.1937846	-0.5173497	-1.2464715	-0.0379015	-0.5241719	-0.0462831
2913	-0.3787011	0.58940987	0.96737002	-2.2183482	0.31086219	-1.0134441	1.00434935
2913	-0.5841573	0.73554456	0.64114187	-2.3104473	0.71640504	-0.5558303	1.04021544
2914	1.27526147	-0.0964634	-0.0588556	-0.9146683	-0.3995098	-1.0261092	0.06358292
2914	-0.4710533	0.30624142	2.24534049	1.0283264	-0.9379668	0.82194453	-0.2858869
2914	1.31731674	-0.0304167	-1.0888742	-0.5578916	2.03090758	3.26777336	-0.5363075
2914	-0.6208242	0.82591038	0.96588795	-2.13844	0.28883553	-1.055681	1.07132002
2915	-0.4011285	0.69212129	1.08226193	-2.0874381	0.39263008	-1.0258435	1.1223502
2915	0.02890683	0.5081605	1.16673772	-0.6034613	-0.0715205	-0.6533444	0.63342333
2915	-0.4206159	0.66103982	0.97356401	-2.284397	0.64573242	-0.5036104	1.03895171
2916	-0.4025937	0.54737481	1.04071941	-2.068023	0.21431802	-1.07338	0.98679531
2916	-0.400977	0.70709506	1.08655943	-2.0894466	0.41107615	-1.0209259	1.13637312
2917	-0.3591127	0.63047385	1.07893294	-2.0227283	0.07005723	-1.5323988	1.09709646
2917	-0.3777917	0.67925251	0.99315503	-2.230399	0.42153864	-0.9839387	1.08848687
2917	-0.4012296	0.68213878	1.07939693	-2.0860991	0.38033269	-1.0291219	1.11300159
2918	1.31773202	-0.1131895	-0.0492921	-0.8559839	-0.6667444	-1.5179118	0.08039794
2918	-0.3588601	0.65543014	1.08609544	-2.0260758	0.10080069	-1.5242029	1.12046799
2918	-0.4504904	0.49817039	-0.0742673	-2.4762543	2.6247545	3.09191231	0.57616008
2919	-1.5930391	1.652853	1.5067237	-0.5540918	0.19516302	-0.2027325	1.05031246
2919	-0.4017853	0.62723494	1.06363942	-2.0787348	0.31269708	-1.047153	1.06158421
2919	-0.3572939	0.81015914	1.13050295	-2.0468299	0.29141013	-1.4733881	1.26537149
2919	-0.8970398	0.74560847	0.92759684	-2.1117434	0.44360104	-1.0987435	1.08450918
2919	-0.5051871	0.97427478	1.67206797	-0.0898846	-0.0645196	-0.6947329	0.62809046
2920	-0.4208685	0.63608353	0.96640151	-2.2810495	0.61498897	-0.5118063	1.01558017
2920	1.02230356	-1.0510079	0.80510527	-1.064043	-1.8247016	-1.119476	-0.6618864
2920	-0.9371443	1.0581546	0.88281478	-2.1390868	0.07185211	-1.5123253	1.13253921
2921	-0.5790609	0.73930665	0.95539646	-2.0703828	-0.0644808	-1.5704322	1.02269475
2921	1.31884349	-0.0033818	-0.0177771	-0.8707126	-0.5314732	-1.4818497	0.18323268
2921	0.89064661	-0.8406384	1.04807266	0.25198377	-1.2778812	0.17023086	-0.7862402
2922	-0.6213294	0.7759978	0.95156295	-2.1317451	0.22734861	-1.0720728	1.02457696
2922	-0.9925946	0.39950709	1.05257177	0.57484598	1.30858962	0.01808223	0.81757753
2922	-0.5281942	0.66691046	1.10417975	-2.1614052	0.34387832	-1.0508907	1.1993416
2922	-1.0555697	0.66709207	0.77420181	-2.2445735	0.41929791	-1.087666	0.99031326
2923	-0.1454082	-0.2234941	0.98961376	-1.617944	-0.9067505	-0.5171133	0.05656635
2923	-1.7259065	-1.531098	0.73136284	-2.8250952	-0.0280093	-1.44933	0.52731198

2923	-1.0750883	1.57003086	1.55461908	2.57027131	-0.0407478	1.3679105	0.84257266
2923	-0.4025937	0.54737481	1.04071941	-2.068023	0.21431802	-1.07338	0.98679531
2923	-0.4214243	0.5811797	0.95064401	-2.2736852	0.54735336	-0.5298374	0.9641628
2924	-0.358671	0.63536878	1.07805667	-2.0247078	0.07897367	-1.5275676	1.10170096
2924	-0.3572564	0.77512401	1.11816669	-2.0434535	0.25113705	-1.4816703	1.23258154
2925	-0.3776026	0.65919115	0.98511627	-2.2290311	0.39971163	-0.9873034	1.06971983
2925	-0.4004848	0.71698125	1.08711567	-2.0920956	0.42614129	-1.0144555	1.14565192
2925	-1.4112686	0.12463747	0.9004355	-1.8858956	0.63865184	-1.7877719	1.07703404
2926	-0.3784615	0.57433977	0.96076376	-2.2176498	0.29518387	-1.0151696	0.99025662
2926	1.31852735	-0.0733558	-0.0401409	-0.8626498	-0.6147871	-1.5016062	0.11772258
2927	-0.3682501	0.9799416	1.14659098	-0.1172455	0.12665229	-0.4867899	0.5477633
2927	-0.4211847	0.5661096	0.94403774	-2.2729867	0.53167504	-0.5315629	0.95007007
2928	-0.3028954	0.6178939	0.48515485	-2.4114207	1.02978587	-0.23649	1.05798619
2928	-0.3028449	0.62288516	0.48658735	-2.4120902	1.03593457	-0.2348508	1.0626605
2928	0.86419818	0.10593886	0.66998638	2.38911245	0.57184383	2.12268037	-0.3331987
2929	-0.5421289	0.71561026	0.25865046	-2.6587119	1.17294498	0.25426648	0.91888322
2929	1.3544114	-0.1618422	-0.7532006	-1.4409656	0.53993788	0.29859096	-0.0467851
2929	0.63448597	1.57796313	-1.4733807	1.60899795	1.29956903	-1.5787382	1.27122137
2930	-0.3232922	0.49696979	0.35067192	-2.5963288	1.17221177	0.25623773	0.89045018
2930	-0.3231911	0.50695231	0.35353693	-2.5976678	1.18450915	0.2595161	0.89979879
2931	-0.4287485	0.71247326	0.54145268	-2.5014555	1.12860272	-0.2221967	1.24716095
2931	-0.6969176	0.92339695	1.56514096	0.06687406	0.12211211	-1.2084977	1.01681388
2931	-0.4151733	0.6984653	1.21725302	-2.1062077	0.16862057	-1.2865336	1.10452466
2931	-0.6176757	0.60464142	0.7291207	-2.5940907	1.07880796	0.36184745	0.77477492
2932	-1.6135704	1.03873589	0.63804954	-0.6296486	0.89169172	-0.4313694	0.72943752
2932	-0.553944	0.60527382	1.14164619	-2.0996723	0.01079632	-1.3343605	0.97011253
2932	-0.4169415	0.52377127	1.1671155	-2.0827757	-0.0465836	-1.3439052	0.94092393
2932	-2.970143	1.99806516	0.7141462	-1.094387	-1.1680218	-0.6722161	0.03448064
2933	-0.4162847	0.58865763	1.185738	-2.091479	0.03334935	-1.3225957	1.00168992
2933	-0.41583	0.63357895	1.19863051	-2.0975044	0.08868758	-1.307843	1.04375867
2934	-0.5528504	0.61963718	0.99634018	-2.107783	0.06722912	-0.8831198	0.72129844
2934	-0.6782488	0.75913786	1.06553052	-2.2038432	0.2213842	-0.8540738	0.95254195
2934	-0.6149773	0.90326592	1.22103696	-1.9656067	-0.1390868	-1.8254907	1.17428743
2935	-0.4389143	0.67140402	1.29489991	-1.957891	0.09052247	-1.3415519	1.10099354
2935	-0.8972056	0.49022559	1.68557297	-0.122942	0.60778619	0.36443895	0.88267495
2935	-0.4387627	0.68637779	1.29919741	-1.9598994	0.10896855	-1.3366343	1.11501646
2936	1.21808941	-0.1382796	0.04794942	-0.983419	-0.4362177	-0.8163061	-0.0318236
2936	-0.6353236	0.78733306	1.08798653	-2.1511842	0.0094878	-1.3311237	1.01142572
2937	-0.4150217	0.71343907	1.22155052	-2.1082162	0.18706665	-1.281616	1.11854758
2937	-0.4588563	0.59540123	1.17330949	-2.1488244	0.28828659	-0.8340715	0.97552629
2938	-5.1511035	2.97707131	-0.859917	-0.7396851	0.57380111	2.06538639	-1.2645686
2938	-0.8835141	0.24218474	1.13591699	-2.0001112	0.33344555	-1.4702825	0.94583617
2938	-0.6362835	0.69249916	1.06076902	-2.1384639	-0.1073373	-1.3622683	0.9226139
2938	-1.3620059	-1.3403243	1.07871922	-3.315388	2.80774775	2.8471061	-1.0257177
2938	-0.4401268	0.55161383	1.2605199	-1.9418232	-0.0570461	-1.3808924	0.98881018
2939	-0.4591089	0.57044494	1.16614699	-2.145477	0.25754313	-0.8422674	0.95215475

2939	-0.4587553	0.60538374	1.17617449	-2.1501634	0.30058398	-0.8307931	0.9848749
2940	-0.4389143	0.67140402	1.29489991	-1.957891	0.09052247	-1.3415519	1.10099354
2940	-0.7329403	0.54530127	1.47782145	-1.9859003	0.2353524	-1.8458254	1.50824264
2940	-0.4398236	0.58156138	1.2691149	-1.9458402	-0.020154	-1.3710573	1.01685602
2940	-0.6582987	0.64166413	2.02782279	-0.2240985	0.09835018	0.82234386	0.00346289
2941	-0.4594121	0.54049739	1.15755199	-2.14146	0.22065098	-0.8521025	0.92410892
2941	-0.8550322	0.97497053	0.9874632	-2.2093338	-0.0258436	-1.3435218	1.01130123
2942	1.23382369	0.40885575	0.45566957	0.76389038	-0.4743246	-1.2447619	0.13648413
2942	-0.4596142	0.52053236	1.15182198	-2.1387821	0.19605622	-0.8586593	0.90541169
2942	-0.4553816	0.46523004	1.47810159	1.21858259	0.39390964	0.08472333	1.0756162
2942	-0.4390658	0.65643024	1.29060241	-1.9558825	0.0720764	-1.3464695	1.08697062
2943	-0.4159816	0.61860517	1.19433301	-2.0954959	0.0702415	-1.3127606	1.02973575
2943	-0.8546785	1.00990933	0.9974907	-2.2140202	0.01719722	-1.3320475	1.04402138
2944	-0.4101058	0.37336065	2.54573751	1.57563866	-0.3616799	1.18898602	0.31111986
2944	-0.5230081	0.66774811	0.9102726	-1.6368628	0.52076278	-0.7434683	0.76717756
2944	-0.6470175	0.67782973	1.70278437	-1.3768839	-0.23816	-0.771276	0.4538215
2945	-0.4374047	0.96465182	1.34951282	-0.0467045	0.06994987	-0.3289411	0.46209931
2949	-0.2741263	0.41947941	1.31704863	-1.1605339	-0.0094297	-0.4470498	0.41172574
2949	1.21080807	0.24236027	0.25943173	0.65246917	-0.2607104	-0.6226286	-0.0468351
2949	-0.8872271	0.50177218	1.06765912	2.46993559	0.94206026	0.06015846	0.96722485
2951	1.0970315	-0.2836415	1.23277364	0.70250202	-0.883432	0.47568069	-0.8322691
2951	-0.3631082	1.14914422	1.43385103	0.13771713	-0.1209453	-1.1691684	0.72403046
2952	-0.7707967	1.03926484	1.87434378	-0.0481863	-0.0165639	-0.5703759	0.70464513
2955	-0.3661663	0.31446664	2.37420572	-0.0089384	-0.0601004	1.06663093	-0.0346971
2959	1.01943175	0.33960828	1.02451541	2.78874571	-0.2689503	0.19733543	-0.0135396
2959	-2.2802781	-1.6904066	2.21559094	1.71173843	2.55464987	-0.5378967	-1.3567655
2960	1.13737054	0.22485751	0.37050511	1.07322592	-0.3540732	-0.7546904	0.14109246
2961	-0.4527002	-0.1155939	2.62580089	0.53003624	-1.0650362	0.70325461	-1.057915
2965	0.78730171	-0.5023367	1.17112077	1.39311543	-0.9152657	0.47087911	-0.5192082
2967	1.22586812	-0.1268798	0.69147304	-0.123115	-0.9023302	-0.8352028	-0.361577
2968	1.04335934	0.04284544	0.94303754	1.15637879	-0.5372149	0.07259015	-0.3683287
2969	1.10281617	-0.6246117	0.84667921	0.19803093	-1.0586552	-0.0887998	-0.5824519
2973	-0.5468194	0.40179834	1.97395755	-0.3855776	0.06206318	0.08669553	0.10225199
2974	1.23514685	-1.8796156	1.58803505	-0.9626772	-2.3777976	0.94971483	-2.1601881
2975	-1.663151	0.91665724	0.73788416	-0.0709713	-0.4564535	0.27808281	-0.2586324
2975	-0.9271747	0.14080971	2.52288344	-1.0696767	-0.3208165	0.02788432	-0.0620891
2976	1.17000315	0.10414997	0.18069689	1.36090404	-0.1564593	-0.3657534	0.16849209
2977	1.12204944	0.12060849	0.11500738	0.48025028	-0.0097891	-0.0759839	-0.0589085
2980	-0.8680494	1.10434038	0.9493589	1.1734877	0.14981949	0.47897028	0.12739773
2984	0.78863018	-2.1759589	-0.3184788	-0.8824526	-1.7400773	-0.9190105	-0.1868078
2985	1.31540417	-0.0335771	-1.0899843	-0.5570874	2.0299312	3.26812963	-0.5349938
2985	1.05389762	0.12719659	0.6942264	2.59799002	-0.2760527	0.35344088	-0.1828505
2986	-0.4734306	-0.225558	1.31252645	-1.6930327	-0.5555421	-0.3652077	0.2779835
2987	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
2987	-1.95801	1.28567403	1.93336521	1.23435378	1.09835936	2.05688639	0.58533197
2989	-0.7686781	0.82505439	-0.6941262	-3.2984913	2.60052414	2.90805863	0.30991515

2989	-0.4691728	0.74557436	2.83288095	2.44891	0.1612489	1.09486222	0.23198203
2989	0.78120574	-0.6038108	0.90955677	1.22851486	-0.8491774	0.31606248	-0.3560962
2990	1.25658349	0.38323624	0.31441194	0.68966834	-0.336448	-1.0639403	0.1136891
2991	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
2992	-1.1905907	1.77597697	1.3960182	2.52772502	0.13379738	0.71026023	1.67511817
2993	1.42753789	-0.4524381	-1.696058	-1.7172883	1.82797733	2.87577638	-0.7481496
2993	-0.7158033	0.13895341	-0.4005453	-3.1718911	3.17464417	2.56887403	0.49534163
2993	-3.6969721	3.07696413	0.82013784	-2.4227907	-0.0001887	-0.3599931	1.2169519
2996	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
2996	-3.5118316	-3.3952951	1.10685949	1.24048587	4.92159379	-4.0767252	-1.6793326
2997	-4.4150481	3.8240701	1.09707255	-1.3993979	-0.0169095	-0.4719464	1.67445555
2997	-0.7759204	-0.4258625	1.03947204	3.28514089	-1.5358599	0.95693638	1.71132447
2998	0.58431177	-1.3552196	0.87763282	0.44695966	-1.6252178	-0.2302196	-0.4544925
2998	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
2999	-5.910028	5.30131938	-0.0418382	1.53723849	-1.0599568	3.61410179	-3.5722228
3000	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3000	1.11589709	0.09866825	0.43599465	1.02985148	-0.3458927	-0.2661706	-0.1306699
3002	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3002	-0.3645102	-0.2161443	1.38997856	-1.5261937	-0.4786266	-0.4305547	-0.1158006
3003	-0.944245	0.82488675	2.72191044	2.45430049	-0.0915079	0.81259746	-0.1065715
3004	-0.5217616	0.62618401	-0.599239	-3.2718265	2.65658473	2.74735483	0.58488514
3004	-0.3707486	0.04669395	1.5992993	-1.8217495	-0.3418913	-0.7173649	0.067972
3006	-1.3117888	1.77832594	1.03307528	2.76740041	0.36821975	0.04533441	0.70593529
3006	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3008	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3009	-1.8734778	-0.3043968	1.45461911	0.00862073	-0.465271	0.21723491	0.18987662
3010	0.75581685	-0.7820654	1.50303352	1.14318038	-0.625566	2.47243309	-1.3854063
3010	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3011	-0.5567785	0.89781494	0.93020117	-0.2493218	0.51909479	0.14279586	0.39005319
3012	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3013	-1.7089401	-1.2962553	1.9531705	-2.2770276	-0.5103884	0.40880728	0.32923095
3014	1.15189885	-0.1351601	1.0094788	0.59306004	-1.0106464	-0.6553989	-0.4369695
3014	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3014	1.07968964	-0.1429591	0.58078362	0.81522484	-0.6694703	-0.492123	-0.075113
3015	-1.5209151	1.14469619	1.45005536	-1.8448635	-0.7863377	-1.0550765	0.42516306
3015	0.0893867	1.16740801	0.4048087	1.0300939	0.35013899	-1.3187004	1.11016847
3016	-1.592517	1.15411205	0.46697139	1.44612205	-0.6743845	-0.1864097	-0.2894949
3016	1.21842067	0.36993185	0.29580069	1.12350929	-0.2255777	-0.9475096	0.28131467
3017	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3017	-0.8734062	0.99627661	1.37007959	1.31484779	-0.2898891	0.2447024	0.13640984
3019	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3021	1.12819215	-0.1643481	1.13728768	0.67595646	-1.2189263	-0.8574436	-0.4655221
3021	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3023	-0.5217616	0.62618401	-0.599239	-3.2718265	2.65658473	2.74735483	0.58488514
3023	1.01178029	-0.9579995	-0.6151928	-0.5677579	0.10229842	0.76194399	-0.045637
3025	-1.5396047	0.32334435	1.03263367	0.20174011	0.66388012	-0.8397752	0.49959073

3025	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3026	1.15247907	0.01235341	1.29514077	1.33599506	-0.923721	-0.1819508	-0.5172008
3027	-1.3709464	0.59358715	1.84263597	0.2238173	-0.5020814	-0.0927881	0.23192469
3027	-3.443668	1.37941577	0.92773521	3.28045344	-1.4166827	0.50562977	-1.8133175
3027	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3029	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3031	-5.2934224	4.59540731	-0.4550946	-2.8922064	-0.5719393	-0.8401135	1.00241498
3032	-1.5591958	1.50038143	1.06578995	-1.5780426	-0.1860348	-0.673023	0.60182635
3033	-0.5485842	0.64792718	-0.5907844	-3.241789	2.64773918	2.92403087	0.3196441
3034	1.17363428	-0.164842	0.68799757	1.44562593	-0.2021802	1.22038021	-0.8511162
3035	-0.7415712	0.80383896	-0.7026273	-3.3286371	2.60895593	2.73167842	0.57541203
3036	-0.5258666	0.85784635	1.62065644	-0.1347107	-0.0106079	-0.2539111	0.44810869
3037	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3038	-6.7305185	-2.4168372	0.21426216	-0.6139533	-1.6130795	0.42104601	2.72348001
3038	-5.0363922	4.48719902	-0.618817	-0.9844989	-1.1511528	-0.9171159	0.258288
3039	-1.0988333	0.72353709	0.91556933	1.26767006	0.31526181	0.30642982	-0.0648749
3040	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3042	-0.5217616	0.62618401	-0.599239	-3.2718265	2.65658473	2.74735483	0.58488514
3042	-0.6867404	-3.3737071	-1.3151553	0.57799802	-1.144627	-0.2234105	1.41031484
3045	1.34498874	-0.431699	0.56367	-0.489007	-1.2281717	-1.2144367	-0.3757636
3046	1.14151696	0.14729561	1.14035442	2.4714113	-0.2570283	1.0799948	-0.6909891
3046	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3047	-0.7542935	0.36982462	1.93199965	0.24547904	0.22045686	-0.5185919	0.51720522
3047	1.29794278	-0.5484088	-0.3763101	-0.7267676	-0.5479253	-0.838753	-0.0257749
3048	-0.7884011	1.57971671	0.74654177	2.60472015	0.51878697	0.59476821	0.78920249
3048	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3049	1.08230831	-0.0967974	1.04825477	1.6417302	-0.7714163	0.08407177	-0.4129056
3049	-1.3079218	1.11788874	1.20654627	-0.7699585	0.12237638	-0.3232482	1.21081856
3050	-0.5217616	0.62618401	-0.599239	-3.2718265	2.65658473	2.74735483	0.58488514
3052	-0.6818322	-4.0624552	0.045194	0.56368995	-2.6150492	0.09530328	0.36538171
3052	-0.7941648	0.01974474	-0.5617701	-3.1088506	2.96077597	2.58685994	0.48475496
3052	-0.7120296	1.59831899	1.40673745	1.80935713	0.7187662	-0.6380922	1.12453046
3053	-2.7780905	-0.0918081	1.52888128	3.18344441	-1.0923858	0.33557426	2.15838403
3054	-0.3959085	0.53160465	-0.6555368	-3.1817918	2.55776788	2.73306147	0.39571038
3056	-1.3696981	-0.2373591	-0.69906	-3.0369298	3.07304451	2.50941691	0.46723921
3056	1.20886278	0.2735002	0.26812488	0.6487494	-0.2188432	-0.610726	-0.0125359
3057	0.9214041	-0.8133077	-0.5169965	-0.8815139	-0.4615733	-0.8879211	0.38435655
3058	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3060	1.27360437	-0.0144177	0.44409706	0.37802545	-0.4033522	-0.2963181	-0.3070835
3061	-0.6626824	0.65993732	-0.638631	-3.281716	2.65878577	2.74223833	0.57303773
3063	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3063	-1.5715154	1.10840145	0.71424169	-0.2192164	0.47626161	1.60287353	-0.1487978
3065	-0.5217616	0.62618401	-0.599239	-3.2718265	2.65658473	2.74735483	0.58488514
3066	0.10474429	0.20740234	1.73822612	1.38306345	-0.5505544	0.37726581	-0.0766101
3066	-0.9389119	0.66793979	0.52728468	3.38040714	0.48457385	0.32089267	-0.4931556
3067	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656

3067	0.2682436	-1.8580817	0.62840612	0.5569775	-1.6617405	-0.2725354	-0.000709
3068	-0.6734555	0.29941603	2.60280614	-0.0230082	-0.4760629	0.93869183	-0.1459781
3068	-0.4838621	1.00390787	0.41112021	1.21751838	1.45526379	-0.8200728	0.56914967
3068	-0.7065645	0.78987407	1.67802561	-0.2055866	0.72099485	1.03028504	0.68121799
3069	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3071	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3072	-0.4902135	1.39469554	2.23423335	2.58792442	0.23117121	0.06215588	0.85069409
3073	1.18873882	-0.1109246	-0.2474227	-0.0564501	-0.2306693	-0.8847347	0.25212322
3073	-0.5485842	0.64792718	-0.5907844	-3.241789	2.64773918	2.92403087	0.3196441
3075	-1.5169716	-0.7980386	-0.3520679	-2.8781831	3.97598104	1.93071557	-0.389529
3075	-2.1941679	0.07728835	2.31335263	1.90373296	1.33296521	-0.730896	0.12625862
3077	1.30455183	-0.7136868	0.38018455	-2.2171723	-0.9761449	-0.3238441	-0.7868299
3077	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3079	-0.3025207	0.44747361	-0.4957575	-3.2147993	2.70504105	2.76243958	0.59384656
3081	-0.6740559	0.45796476	2.47924746	-1.3060937	-0.2293075	0.08083904	0.2777125
3081	-4.3602415	5.68477761	-3.7537192	0.31046897	0.23989254	-1.8635183	1.20937166

V8	V9	V10	V11	V12	V13	V14	V15
0.0986979	0.36378697	0.09079417	-0.5515995	-0.6178009	-0.9913898	-0.3111694	1.46817697
0.08510165	-0.2554251	-0.1669744	1.61272666	1.06523531	0.48909502	-0.1437723	0.63555809
0.24767579	-1.5146543	0.20764287	0.62450146	0.06608369	0.71729273	-0.1659459	2.34586495
0.37743587	-1.3870241	-0.0549519	-0.2264873	0.17822823	0.50775687	-0.2879237	-0.6314181
-0.2705327	0.81773931	0.75307443	-0.8228429	0.53819555	1.34585159	-1.1196698	0.17512113
0.26031433	-0.5686714	-0.3714072	1.34126198	0.35989384	-0.3580907	-0.1371337	0.51761681
0.08121294	0.46495999	-0.0992543	-1.4169072	-0.1538258	-0.7510627	0.16737196	0.05014359
-3.8078642	0.61537473	1.24937618	-0.6194678	0.29147435	1.75796421	-1.3238652	0.6861325
0.85108444	-0.3920476	-0.4104304	-0.7051166	-0.1104523	-0.2862536	0.07435536	-0.3287831
0.06953859	-0.7367273	-0.3668456	1.01761447	0.83638957	1.00684351	-0.4435228	0.1502191
0.04845589	-1.7204084	1.62665906	1.19964395	-0.6714398	-0.5139472	-0.095045	0.23093041
0.53824723	-0.5588946	0.30975539	-0.2591156	-0.3261432	-0.0900467	0.36283237	0.92890366
-0.2274872	-2.0940106	1.32372927	0.22766623	-0.242682	1.20541681	-0.3176305	0.72567499
0.11598174	-0.2210826	0.46023044	-0.7736569	0.32338725	-0.0110759	-0.1784852	-0.6555643
-1.9071075	0.75571291	1.15108699	0.84455547	0.79294395	0.37044809	-0.7349751	0.40679571
0.00360348	-0.436167	0.74773083	-0.7939806	-0.7704067	1.047627	-1.0666037	1.10695346
0.18937971	0.78233289	-0.2679751	-0.4503113	0.93670771	0.70838041	-0.4686473	0.35457406
0.08796236	-0.6652714	-0.7379798	0.32409781	0.27719211	0.25262426	-0.2918965	-0.1845202
0.16084175	1.23308974	0.34517283	0.91722987	0.97011672	-0.2665678	-0.4791299	-0.5266085
-0.0531271	-1.9786816	1.63807604	1.07754241	-0.6320465	-0.4169572	0.05201052	-0.0429789
0.44529013	-0.4461958	0.56852074	1.01915061	1.2983287	0.42048027	-0.372651	-0.8079795
0.52150216	-1.1913111	0.72439631	1.69032992	0.40677358	-0.9364213	0.98373942	0.71091077
0.13808171	-0.9891624	0.92217497	0.74478579	-0.5313773	-2.1053465	1.1268701	0.00307532
-1.6179351	1.5440714	-0.8298806	-0.5831995	0.52493323	-0.4533753	0.08139309	1.5552042
0.85554631	0.0499669	0.57374251	-0.0812565	-0.215745	0.04416063	0.03389776	1.19071768
-0.1046267	0.47566402	0.14945062	-0.8565664	-0.1805232	-0.6552329	-0.2797969	-0.211668
-0.3272602	-0.246651	-0.0461393	-0.1434185	0.97935038	1.49228544	0.10141753	0.76147755
-0.2209819	-1.0714246	0.86855855	-0.6415063	-0.1113158	0.36148541	0.17194512	0.78216653
-0.0292474	-0.593392	-0.3461882	-0.0121422	0.78679632	0.63595388	-0.0863245	0.07680369
0.40104615	0.69949968	-0.0647376	1.04829249	1.00561836	-0.5420016	-0.0399145	-0.2186832
-0.1338624	0.43880974	-0.207358	-0.9291821	0.52710606	0.3486759	-0.1525351	-0.2183856
0.1886167	0.20568685	0.08226226	1.13355567	0.626699	-1.4927804	0.52078789	-0.6745926
0.17606596	-0.2867169	-0.4846877	0.87248959	0.85163586	-0.5717453	0.10097427	-1.5197718
0.17606596	-0.2867169	-0.4846877	0.87248959	0.85163586	-0.5717453	0.10097427	-1.5197718
0.17974226	-0.2856419	-0.4824745	0.87179958	0.85344743	-0.5718219	0.1022521	-1.5199912
0.17974226	-0.2856419	-0.4824745	0.87179958	0.85344743	-0.5718219	0.1022521	-1.5199912
-0.2472528	0.13887911	-0.4010071	-0.8120504	-0.1835245	-0.6301129	-0.2862175	-0.3370463
1.0924725	-0.6075245	0.04715555	0.78372685	1.09638567	-0.2680942	0.76864804	-0.5243674
0.4074291	0.33786266	-0.4081505	0.68264612	1.25371968	0.39191704	-0.0375109	0.79530152
0.11761992	0.01766472	0.04486479	1.3450748	1.28633962	-0.2522671	0.27445768	-0.8103944
0.96729082	0.85014852	-0.3070811	-0.4562453	0.22998135	-0.0169131	-0.2208461	0.3624177
1.53081673	-0.5868323	0.12987575	0.65847945	1.26504922	-0.2065182	1.01360321	-0.5494135
-0.1762674	-0.2435013	0.14845549	-0.3870031	0.39829928	0.48191675	-0.3654391	0.23554457
0.40277557	-0.0404717	-0.852046	1.55210931	0.95356103	0.4154299	-0.2338999	0.45233583
0.14623341	-0.8696353	-0.0386517	-0.6861244	-0.5029109	1.38082632	-1.0391246	0.65284209

-0.0724396	0.30678791	-0.2699526	-0.0026018	1.12430422	0.74420668	-0.1883534	-0.075662
0.09530938	0.81590229	-1.491188	-0.8461914	0.05653255	-0.0589535	0.1519226	1.98259488
-0.9171058	0.27000841	-0.4802807	-0.5125327	0.68090626	0.08992304	-0.1574051	-0.5888193
0.05268563	-0.304404	0.57651681	-1.6311118	0.04255951	2.04789832	-0.7393384	1.45622204
0.2412524	-0.1545	0.28067262	-0.531948	0.58985753	0.55508696	-0.1163573	0.16588617
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0.28753247	0.99632681	-0.1491447	-0.5082917	-0.0278409	-1.3215598	-0.0624045	0.50575054
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-0.0290709	-0.3949123	0.03267448	-0.5009189	0.63191604	0.75469362	-0.0476555	0.34821762
-0.2038732	0.26239362	-1.3547102	-0.0948799	0.95374599	0.83696404	0.1447522	1.15660953
0.89543043	-0.0177788	-0.1657532	-0.7650473	-0.0156363	-0.356626	-0.0412	-0.7351031
0.17437308	0.15207073	0.06526672	1.02454977	0.79313718	-1.0150397	0.42299545	-0.7066296
0.06278949	-0.2605833	-0.1616772	2.05292778	1.13082593	0.18948451	-0.0707926	0.6193452
-0.2082246	-0.2475034	-0.1922531	-0.6283175	0.43030793	0.81124802	0.37156636	1.02607885
0.1045104	0.13462823	0.49393128	-0.8951876	-0.1826955	0.14608083	-0.5866108	0.79718902
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0.67229631	0.01514017	-0.2695016	-0.4951204	-0.1615058	-0.2742144	-0.2761908	-0.1724087
-0.3995786	-0.479813	0.51635227	0.03433046	0.58922551	1.4269098	0.02051025	1.65133637
0.64763072	-0.0534662	-0.5041706	1.25459881	-0.2366292	-2.5175873	0.38457351	0.3438321
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0.6153707	0.22627827	-0.2254952	1.94454487	1.38515995	-0.4792617	0.31416628	0.21416723
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0.97676828	-0.4126609	0.00675369	-0.6246662	-0.115852	-0.2150373	0.1404494	0.16026557
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0.07284107	-0.0978694	0.019513	1.47441332	1.68967422	0.50678052	0.12513666	-0.8927097
0.25125579	-0.2279849	-0.5761694	1.10203189	0.82370781	-0.5695099	0.00871007	-1.0414138
0.03853403	-0.3915127	0.03156025	1.39169118	1.07936322	0.10626771	0.66598525	0.44225356
-0.410972	-0.1791302	1.00350066	1.06238227	0.15942239	-0.2898603	0.00580475	0.46044095
0.6730256	-0.1887661	-0.4043783	-0.6997106	-0.1841426	-0.426813	-0.1830011	-0.7477317
-0.2092751	0.03557157	-0.0676158	-0.2041073	0.40259669	0.37664769	0.22713501	1.02499612
0.22788514	0.25219124	0.08390394	0.64504645	0.41336175	-1.468036	0.50286119	-0.626936
-1.8293466	4.00925852	6.05152135	2.57250018	0.06685074	-0.3535743	-2.837136	0.29222688
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-0.0933612	-0.042934	-0.3432457	0.23510605	0.56988192	0.67633039	-0.3512497	1.29513006
0.6664513	1.92221617	-0.614312	0.38492658	1.19440345	-1.0207185	-1.2468294	-2.3486734
-0.007989	-0.7610896	-1.044464	1.50413489	-0.2916342	-1.615433	-0.6652868	-0.292983
0.31739917	-0.0286579	0.53403319	0.81128007	-0.0710029	-1.9690516	0.45000644	-0.2631731
0.2653328	0.91951346	-0.7355857	0.20872495	0.01713065	-0.110867	-0.0426769	1.65414036
-0.3142156	-0.8426725	0.01727579	-0.6175603	-0.1975035	1.59495759	-0.2598788	1.22102547
-0.117496	-0.577836	-0.0186071	1.83757918	1.45067106	0.67974397	0.59371845	0.2497347

-0.1912699	0.0563979	0.04156746	-0.5073581	-0.1086662	-0.4732573	0.45204589	1.00567481
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0.84233095	0.16936042	-0.0305222	-0.5419573	0.23721201	-0.2181296	0.19743652	-0.1478502
-0.17256	0.0251334	-0.7781347	-0.1962898	0.63295526	0.37402517	-0.5315972	-0.6150626
0.51605318	-0.700929	0.46821624	0.74561151	0.373531	-0.2239183	0.41743814	1.67840014
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0.10213604	-0.2861636	1.19855632	-0.5502957	-0.106846	0.20801429	-0.6805104	0.50776358
-0.1969403	0.07592096	-0.0660599	-0.2557433	0.25515678	0.10524733	0.28467654	1.05732211
0.15824244	0.01125172	0.10558381	1.61209937	0.35449295	-1.4345363	0.79699498	0.74510638
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-0.7784587	0.32863644	0.12749714	1.61279907	-0.096377	0.65479027	-4.3183779	1.03860349
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0.24201552	-0.6043929	-0.4584497	-0.766202	0.11332295	0.04135373	0.20729035	-0.2137063
0.13045543	-0.1800212	-0.2468817	0.96800091	-0.7323968	-0.727956	-0.5317425	0.8852447
-0.1722656	-0.968765	0.51221308	0.26729895	0.0851994	0.05905594	0.22497658	-0.2921217
-0.2248647	-1.1318576	0.45801356	0.38204721	-0.2924297	-0.095787	0.34308883	0.31459479
0.2031587	0.29355015	-0.7037788	-0.5549896	-0.131175	-0.2628366	-0.7459333	0.16131202
-0.2715376	-0.4524941	0.19478661	0.87192892	0.33363761	-0.0832806	-0.6787922	-0.2968275
-0.2552305	-1.072085	0.48511043	0.27131489	0.15608901	0.0073428	0.2508857	-0.3315997
0.73134969	-0.8224527	0.25832245	-0.0557367	-0.0231076	0.04579959	0.1580278	-0.1521806
-0.2878604	-1.0884938	0.46219106	0.24672685	0.26350741	-0.0071837	0.23157494	-0.2858599
-0.2552305	-1.072085	0.48511043	0.27131489	0.15608901	0.0073428	0.2508857	-0.3315997
-1.3759777	1.29679391	-2.1277196	-1.0144457	0.0039182	-0.14596	-0.0563448	-0.048826
-0.2767547	-1.0807362	0.4692586	0.24065971	0.28665329	-0.0216637	0.22899702	-0.319731
-1.2438127	0.8377436	-1.3071507	0.00963686	-0.2128801	-0.293339	-0.4218025	0.27176676
-0.2368804	1.47222919	0.47669789	0.82607515	0.01296059	0.22643712	0.60450882	0.07617862
-0.2552305	-1.072085	0.48511043	0.27131489	0.15608901	0.0073428	0.2508857	-0.3315997

0.19976245	-0.0923344	-0.3597113	0.07113701	0.97329559	0.18609289	-0.3596461	-0.3790812
-0.7169375	0.10458248	-0.7005104	-0.2384003	-0.147944	-0.0090544	0.46188477	-0.0687746
0.27407238	0.8826681	1.01567165	0.79816175	0.32311139	0.05812438	0.18065248	-0.2452086
-1.2798738	0.77760679	-2.5175146	-1.6589461	0.05351051	-0.1147166	0.03859051	0.11929797
-0.2552305	-1.072085	0.48511043	0.27131489	0.15608901	0.0073428	0.2508857	-0.3315997
-0.2552305	-1.072085	0.48511043	0.27131489	0.15608901	0.0073428	0.2508857	-0.3315997
-0.0198428	-0.4019911	0.2802377	1.04320177	0.53669536	-0.2650446	-0.3173105	-0.0416855
0.40230607	-0.4460791	-0.1882152	0.68525591	-0.0531865	-0.3395302	-1.2480456	0.07085771
-0.2497569	-1.0083675	0.49934146	0.25530371	-0.0063031	0.77141711	-0.0099225	-0.2165494
-0.2610604	-1.0415103	0.44616476	0.39242422	-0.0407429	-0.0660729	0.10396723	-0.5922665
0.18932199	-0.4543654	-0.5009807	-0.9191297	-0.8537537	-0.2459014	-0.0697419	-0.9395936
-0.4103068	-0.534084	1.22824745	1.61490743	-0.094539	0.13713612	0.67879101	-0.2660945
-0.2552305	-1.072085	0.48511043	0.27131489	0.15608901	0.0073428	0.2508857	-0.3315997
-0.2552305	-1.072085	0.48511043	0.27131489	0.15608901	0.0073428	0.2508857	-0.3315997
0.5393029	-0.8672462	0.19397796	-0.0358738	0.15574198	-0.1113713	0.08196139	-0.2774063
-0.3524222	2.68122618	0.4440502	-1.5558296	3.23449964	-1.0051702	-0.2550615	0.28595798

V24	V25	V26	V27	V28	Amount	Class
0.06692807	0.12853936	-0.1891148	0.13355838	-0.0210531	149.62	0
-0.3398465	0.1671704	0.12589453	-0.0089831	0.01472417	2.69	0
-0.689281	-0.3276418	-0.1390966	-0.0553528	-0.0597518	378.66	0
-1.1755753	0.64737603	-0.2219288	0.06272285	0.06145763	123.5	0
0.14126698	-0.2060096	0.50229222	0.21942223	0.21515315	69.99	0
-0.3714266	-0.2327938	0.10591478	0.25384422	0.08108026	3.67	0
-0.7800554	0.75013694	-0.2572368	0.03450743	0.00516777	4.99	0
-0.649709	-0.4152666	-0.0516343	-1.2069211	-1.0853392	40.8	0
1.0115918	0.37320468	-0.3841573	0.01174736	0.14240433	93.2	0
-0.3850499	-0.069733	0.09419883	0.2462193	0.08307565	3.68	0
0.50051229	0.25136736	-0.129478	0.04284987	0.01625326	7.8	0
0.99671021	-0.7673148	-0.4922083	0.04247244	-0.0543374	9.99	0
0.39283089	0.16113455	-0.35499	0.02641555	0.04242209	121.5	0
0.10474375	0.54826473	0.10409415	0.02149106	0.02129331	27.5	0
0.02831665	-0.2327463	-0.2355572	-0.1647775	-0.0301536	58.8	0
-0.0650837	-0.0391244	-0.0870865	-0.1809975	0.12939406	15.99	0
0.10375833	0.36429754	-0.3822606	0.09280919	0.03705052	12.99	0
-0.8883863	-0.3424132	-0.0490267	0.0796924	0.13102379	0.89	0
0.0421189	-0.4816308	-0.621272	0.39205329	0.94959425	46.8	0
0.29581386	0.3329306	-0.2203849	0.02229844	0.00760226	5	0
-0.3042145	0.07200101	-0.4222344	0.0865534	0.06349865	231.71	0
-1.3718663	0.39081389	0.19996366	0.01637064	-0.0146053	34.09	0
-0.3704152	0.60320034	0.10855587	-0.0405207	-0.0114178	2.28	0
0.42307315	0.82059126	-0.2276319	0.33663445	0.25047535	22.75	0
0.98342149	0.32120113	0.14964988	0.70751884	0.01459975	0.89	0
0.39853486	0.24921216	0.27440427	0.35996936	0.24323167	26.43	0
0.4350451	0.72482458	-0.3370821	0.01636838	0.03004119	41.88	0
0.34715094	0.55963914	-0.2801582	0.04233526	0.0288223	16	0
0.6425219	-0.1838913	-0.277464	0.18268749	0.15266464	33	0
0.00295086	0.29463801	-0.3950695	0.08146112	0.02422035	12.99	0
0.07916803	0.50913569	0.28885783	-0.022705	0.01183623	17.28	0
0.19805372	0.56500731	-0.3377181	0.0290574	0.00445263	4.45	0
0.00103066	0.0988157	-0.5529036	-0.0732881	0.02330705	6.14	0
0.00103066	0.0988157	-0.5529036	-0.0732881	0.02330705	6.14	0
0.00075301	0.09811661	-0.553471	-0.0783055	0.02542738	1.77	0
0.00075301	0.09811661	-0.553471	-0.0783055	0.02542738	1.77	0
0.39278389	-0.0311571	0.1980368	-0.1753473	-0.2036162	30.49	0
0.020962	-0.0446685	-0.2434414	0.14918033	0.12055691	1.8	0
-0.575624	0.10979491	0.37381337	0.0505522	0.00510556	20.53	0
0.23211494	0.60620075	-0.3420968	0.03676961	0.00747996	6.54	0
1.11297017	0.50038211	1.1965492	-0.0482204	0.00509362	29.89	0
0.01524937	0.03421064	-0.2361411	0.12829067	0.11798599	2.35	0
0.11828237	0.17350808	-0.2170413	0.09431191	-0.0330413	14.8	0
0.29550549	-0.2593696	0.75419472	0.04666377	0.09394792	9.1	0
0.09494552	0.48097598	-0.0906847	0.31922297	0.13559992	15.99	0

0.45628647	0.361004	0.27441415	-0.0024984	0.01710885	21.34	0
-0.8002129	-0.0006204	-0.8352033	0.13100142	0.06289627	18.95	0
0.77647132	0.81846036	0.44254746	0.14275725	0.21923761	9.99	0
-0.9296682	0.18137901	1.19492806	0.00053133	0.01991062	30.9	0
0.11428371	-0.0278125	-0.259937	0.11875364	-0.0089563	20.22	0
1.01329013	0.55909751	0.40181753	-0.0058647	0.01793603	0.99	0
0.0194448	0.57092281	0.33327778	0.85737319	-0.0755382	1402.95	0
0.08753576	-0.9465297	0.22670039	-0.8101008	0.23495658	7.99	0
0.3612613	0.25096295	-0.37828	0.0810239	0.03422694	2.09	0
-0.1935651	0.28757422	0.12788099	-0.0237312	0.02519967	0.99	0
0.11614217	-1.112725	-0.3033691	0.3275328	0.25562138	21.76	0
0.14734644	0.24565195	-0.4404562	0.14713042	0.13946773	120.96	0
1.01488604	0.35399188	-0.5103271	0.15903267	0.22870793	13.84	0
0.00434519	0.60392864	-0.3274245	0.02988969	0.0049443	13.84	0
0.1868627	0.08925198	0.09362623	-0.0096326	0.01966769	2.67	0
-0.7413408	0.28688112	0.2003467	-0.0752034	0.02727122	169.05	0
0.4337526	-0.0295215	1.1412413	-0.0086121	0.0415639	96.94	0
0.69132043	0.63398398	0.04874127	-0.0531919	0.0162515	34.13	0
1.03113494	0.12061711	0.31049407	-0.2882986	-0.2239643	32.51	0
0.15781974	-1.1092243	-0.3023693	0.31817034	0.31690956	243.66	0
-1.3846202	-0.0243521	0.4126595	-0.1067763	-0.1904758	21.55	0
-0.1304585	0.33715859	-0.4400415	-0.6745262	-0.4732176	59.9	0
0.71606404	-0.6023111	-0.06423	-0.3150575	-0.2724633	0.75	0
-0.9925687	0.08509583	0.37744721	0.03609642	-0.0059603	45.71	0
0.51886343	-0.363712	3.0655757	-0.5890222	-0.3961098	35	0
0.02738179	0.59386362	-0.3346879	0.02136801	0.0150804	67.97	0
1.01389735	0.14550337	-0.2376195	0.41137174	0.20278845	11.45	0
0.41498392	0.21215601	0.18172425	-0.0164021	0.01599421	3.63	0
0.30276449	-0.6807142	-0.0155539	-0.006307	0.16422221	21.66	0
0.41765447	0.12273385	-0.232985	0.81187984	0.61856831	26.72	0
0.25320531	0.62940543	-0.3453447	0.04046934	0.01026375	13.18	0
0.26498079	0.00395822	0.39596889	0.0271821	0.04350576	59.99	0
-0.3703979	0.15510157	-0.8344904	0.00090907	0.03554688	135.51	0
0.00138739	-0.17953	-0.3741157	0.07164145	-0.1755105	9.79	0
0.99638247	0.50246949	-0.518043	-0.2082758	-0.1160484	14.8	0
0.38198987	0.21930189	0.09429069	-0.0286867	0.01919759	1.98	0
-0.3233742	0.63327888	-0.3053278	0.02739412	-0.0005805	6.67	0
0.51582053	0.13631843	0.46005397	-0.2512586	-1.1057512	1.46	0
-0.3101858	-0.3025995	-1.2439242	-1.1234565	-0.7343511	89.17	0
0.0470615	0.15704975	0.12193464	-0.0046079	0.02941811	7.53	0
-0.1148616	0.40830039	-0.3045765	0.54778479	-0.4562968	200.01	0
0.40015514	-0.0262307	0.16515568	0.0277618	0.13297979	0.76	0
-0.0074156	-0.1365781	-0.2429608	0.38293085	0.27641694	20.22	0
1.01303776	-0.2589266	-0.2931893	-0.3949556	-0.4359956	10.84	0
-0.6549582	0.09838626	-0.2091499	-0.1717092	0.20805664	1142.02	0
0.03268201	0.1551305	0.13325047	-0.0735342	0.02234914	149.9	0

0.39189057	0.62468174	-0.2883764	-0.0013118	0.03581152	89.4	0
0.44399242	0.64029576	-0.3376571	0.04210848	0.02426471	26.72	0
0.05522828	0.07934755	0.3020326	0.39137735	0.19659988	5.99	0
1.01122655	0.8835477	-0.3294338	0.02037015	0.01703709	34.7	0
0.42119537	-0.3524871	0.07478274	-0.0941922	-0.0924931	54.99	0
-0.6968815	-0.198718	-0.2202679	0.0685462	0.02079732	7.55	0
0.10295901	-0.2653221	-0.3486367	0.01123845	-0.0494783	19.85	0
0.71819252	-0.219366	0.11892655	-0.3174857	-0.3407834	28.28	0
0.36962737	0.2055977	0.09406159	-0.033138	0.02099039	15.99	0
0.17488252	0.03249654	0.09947991	-0.0268158	0.00419863	2.69	0
0.94155537	-0.1685818	0.056171	0.05897936	0.13418792	22.36	0
0.58620525	-0.3973138	-0.4809489	0.251145	-0.2422786	0.78	0
-0.3337917	0.13177582	-0.2176919	-0.0821834	-0.1167302	168.56	0
-0.7586056	0.08645007	0.20279005	-0.8988577	-0.9443366	0.76	0
0.92338524	0.21375867	0.03350667	-0.1420248	-0.2638441	9.47	0
0.15053617	-0.23423	0.5047096	0.06915817	0.04102419	21.8	0
-0.3284482	0.16225366	-0.4472759	0.02007055	0.00623054	14.48	0
-0.2897574	0.77624358	-0.2839502	0.05674682	0.08470646	1	0
-0.7147291	0.81735994	-0.2638428	0.04777682	0.00873538	1	0
0.59598871	0.32212208	-0.547495	0.07878619	0.04381907	70.6	0
-0.6534334	0.71302033	-0.2880353	0.03150735	0.00037162	19.77	0
-0.6264627	0.47912027	-0.1669368	0.08124672	0.00119158	1.18	0
-0.6264627	0.47912027	-0.1669368	0.08124672	0.00119158	1.18	0
-0.6264627	0.47912027	-0.1669368	0.08124672	0.00119158	1.18	0
-0.6264627	0.47912027	-0.1669368	0.08124672	0.00119158	1.18	0
0.49733739	0.13051527	0.52566809	-0.0889498	0.11320605	81.13	0
0.54979059	-0.5851306	0.32584074	-0.0688714	0.05971318	50	0
-0.2722718	-0.0876815	0.13813212	0.12590182	-0.0630223	86.43	0
-0.6281234	-0.7023667	-0.2240251	0.14542464	0.11639768	11.83	0
-0.9224274	-0.1398403	0.70978702	-0.0762487	-0.3839425	49.95	0
0.16160629	-0.40131	0.04742342	0.10254922	-0.1165715	9.12	0
0.50297275	-0.6552513	0.74341921	-0.0205681	-0.1180602	104.94	0
-0.636697	-0.2556883	0.01957128	0.38258071	0.19425484	4.68	0
-0.903295	-0.1307089	0.71390713	-0.0281345	-0.4108767	62.92	0
0.55621407	0.16621579	-0.0550053	-0.714976	-0.6121216	18.31	0
-0.8941133	-0.0870177	0.71817415	-0.0113631	-0.4319135	80	0
-0.4436278	-0.0121181	0.14317292	0.04978259	0.11828029	32.51	0
-0.8908697	-0.0476411	0.71761698	-0.0540937	-0.4242597	39.95	0
0.38038856	0.45621418	-0.5723468	0.01098146	0.03929501	68.74	0
-0.8917985	0.04514547	0.72796318	-0.032721	-0.4561384	79	0
0.03109682	-0.1408821	-0.3736983	-0.1579215	0.07652866	5.9	0
0.54720448	-0.4667984	0.4080296	-2.3779329	-1.2555492	7.69	0
0.63617583	0.30932909	0.27214995	-0.0784608	0.00734397	79.91	0
-0.6089813	-1.1208924	-0.4138505	0.06139932	-0.1879635	552.18	0
0.40255552	0.56340181	-0.534236	0.07504657	0.0420008	67.3	0
0.37666441	0.22180029	-0.5743955	-0.4193513	-0.2779058	21.97	0

-1.3535145	-0.0955158	0.17581103	0.14422836	0.09968274	4.99	0
0.7643745	0.28184118	-0.0637529	0.06040558	0.0372961	11.99	0
-0.8763765	0.07009822	0.7295823	-0.0029424	-0.481497	124.67	0
-0.7616603	0.06661113	0.76722744	0.73163387	-0.8603098	919.6	0
0.42875469	-0.0369787	1.11215154	-0.0036781	0.03192022	30.9	0
0.41887092	0.23596079	-0.2651851	-0.0010626	0.12012607	459.39	0
1.01343875	0.19441248	-0.231765	0.54114689	0.25537381	37.13	0
-0.7594638	0.27164081	0.17475709	-0.0107703	0.00810375	1.98	0
0.88925777	0.15644539	-0.9606105	-0.0353019	0.18232065	15.89	0
-0.4933223	1.05055391	0.19486496	2.49050305	1.5753798	8.95	0
0.54377805	0.48423235	-0.3304252	-0.0015454	0.06209799	268.78	0
0.14122474	-0.6138539	0.57592018	0.19359177	0.16513178	2.99	0
0.72470529	0.5267978	0.50270065	-0.1594654	0.00276122	322.44	0
-1.2686997	0.49409034	0.6109666	0.60899261	-0.4100341	937.69	0
0.4535696	0.61547877	-0.5085621	0.08955306	0.03761691	69	0
0.33061515	-0.1654425	0.07234159	0.24488183	0.09804816	2.28	0
-0.4567989	0.89536755	-0.5618802	0.04479434	0.00318061	7.21	0
0.41255192	0.12298394	0.1019396	-0.0078456	0.02021401	1.29	0
1.00470003	0.84288263	-0.3142808	0.01374426	0.01590717	17.8	0
0.52099708	-0.2388454	0.0301351	0.14048052	0.10116328	14.98	0
-0.2594139	0.29605769	-0.0309956	0.01846485	0.03348184	159	0
-0.2606287	-0.0975487	1.15543924	-0.0211993	0.06256544	142.71	0
0.38742495	0.38313943	0.26519371	-0.0450308	0.02369512	84.39	0
-0.7146965	1.13672015	-0.9819929	0.35678052	0.14844404	182.95	0
1.0672202	0.27990597	0.98825537	-0.1059539	-0.0737791	23.27	0
0.70092678	-0.4132351	1.37403121	-0.996161	-0.8363009	9.99	0
0.41990681	0.72234532	-0.3314462	0.02033703	0.02244292	4.19	0
1.21527882	-0.4060729	-0.6533845	-0.7112222	0.67289985	3828.04	0
0.20348877	0.23499215	-0.4084589	0.07261548	0.02889224	35.97	0
0.44813332	0.59786727	-0.2750671	0.04330809	0.02392356	1	0
0.41611435	-0.2718339	-0.3775666	-0.1136445	-0.052283	24.57	0
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0.62773933	0.45642396	1.09164528	-0.1079704	-0.0135917	25.8	0
0.03764953	0.79307974	-0.7247083	-0.6164865	-0.4859848	110.4	0
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0.43180637	0.45670548	-0.2132982	-0.0331608	0.08837199	9.99	0
-1.0204356	0.07098975	0.61908566	1.72070652	-1.6485531	937.69	0
0.39441157	0.33420826	-0.5207001	0.04595168	0.04800473	54.99	0
0.37939035	0.55820598	0.0337555	-0.0222306	0.02404533	31.17	0
0.39771252	0.28594705	0.2867603	-0.0310335	0.01705188	23.88	0
-0.5209196	-0.0653608	0.12559766	0.24077697	0.08877384	4.49	0
0.21924113	-0.44186	-0.3866868	-0.2915532	-0.4480514	137	0
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0.33942682	0.21594377	0.09470357	-0.0233543	0.03089188	2.69	0

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0.43153338	-0.137521	0.42322059	0.18052111	0.04440431	29.99	0
-0.9864346	-0.0659367	0.2596849	0.15057349	-0.0425807	40	0
1.01770014	0.83722485	-0.3428891	-0.0034674	0.03900378	160.86	0
0.4753467	-0.2688248	0.02241878	0.19915462	-0.0546991	8.93	0
0.55632911	0.18578585	-0.1890295	0.00020799	0.02616705	6.24	0
0.06643282	0.15673241	1.28620051	-0.0939746	0.09882648	230	0
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1.06384458	0.40072555	0.97586196	-0.0812201	-0.0033145	1.54	0
0.1295605	-0.2282406	-0.3047804	-0.1909776	-0.0870806	10	0
0.53826061	0.71072011	-0.6213818	0.03686681	0.01096332	8.8	0
0.22557206	0.02589168	-0.2473954	-0.025381	-0.1185646	5.97	0
0.47425699	0.62384757	-0.0067498	0.04602563	0.02204316	15.93	0
0.12123507	-0.1329995	-0.3031769	-0.4639131	-0.1641572	10	0
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0.11760813	-0.0605201	-0.2965499	-0.4815703	-0.1678975	10	0
0.98654728	-0.8099435	-0.5296595	-0.0658869	-0.1250022	35.97	0
0.11390138	0.15201442	1.12604899	-0.0386952	0.01233883	22.37	0
0.01295564	0.11617575	0.12640613	-0.0121557	0.0262393	4.57	0
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0.15183652	-0.0676734	0.99907331	-0.0639848	0.04917436	226.07	0
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0.09189979	0.41813611	-0.1958267	0.10681691	0.04088053	58	0
0.01834697	0.12200284	0.10630681	-0.0149369	0.00577093	1.29	0
1.02075479	0.70612456	-0.2070961	-0.1676803	0.21768497	65	0
0.80441396	0.68602819	0.45532051	-0.373342	-1.3251643	11	0
0.5954874	0.39215655	-0.7336218	0.05123025	0.07461365	257.3	0
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0.10852482	0.62083144	-0.2541175	0.03787171	0.02107763	9.9	0
-0.4212415	0.55614631	-0.3601644	0.07692991	0.03180003	9.99	0
1.00761277	0.83329266	-0.2654851	0.02053908	0.01539366	4.9	0
0.11718828	0.0124059	-0.2885307	-0.4738939	-0.1844881	39.95	0
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0.23348474	0.53259994	-0.2810972	0.02832553	0.01098968	9.9	0
-1.7242221	0.2396027	-0.313703	-0.1882809	0.11983099	6	0
-1.7242221	0.2396027	-0.313703	-0.1882809	0.11983099	6	0
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-1.7241751	0.23972108	-0.3136069	-0.1874312	0.11947194	6.74	0
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0.3293541	-0.302724	0.08388281	0.25883423	0.09633667	0.89	0
1.10844	0.07260309	0.89318295	-0.1460171	0.11311046	614.87	0
0.42075021	-0.1399138	0.16319273	-0.4690137	-0.3505431	22.99	0

0.24454763	-0.3161412	0.75440453	-0.1663156	-0.1381771	71.26	0
0.79772064	0.63057525	-0.1839143	-0.0293015	0.03350849	127.69	0
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0.14438797	0.4830563	0.22237447	0.03159666	0.05603576	184.31	0
0.59637714	0.11422899	0.83491473	0.30967519	0.63226084	500	0
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0.97958725	0.01642325	0.09104332	0.37128025	0.18018743	1.79	0
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0.42627823	0.74493765	-0.2747276	0.00847157	0.01549211	20	0
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0.26816609	0.16014272	0.07964463	-0.0320155	0.01905208	2.28	0
0.38265802	-0.187193	0.10006711	0.20403859	-0.0181503	65.26	0
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1.05931998	0.60630132	-0.1831008	-0.0577767	-0.5324041	355.51	0
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0.58140045	-0.0157146	0.46241433	-0.1792236	-0.1715436	71.69	0
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0.43011217	-0.0632503	0.72381136	-0.2106968	-0.1610576	27.99	0
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0.01430731	0.15057973	-0.0157099	-0.0716422	0.03437091	75.83	0
0.51704467	0.18548734	0.06168604	-0.0215039	0.02443422	1.98	0
0.33924297	-0.7794386	0.23445622	-0.0241249	-0.0498975	1.98	0
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0.39792292	-0.358151	-0.1863314	0.13573868	0.09883965	23.32	0
0.53242857	0.50207024	-0.4708042	0.02189273	0.01933664	8.09	0
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0.54499027	-0.1306089	-0.1963737	0.42211942	0.20331292	20.7	0
0.30139802	-0.7309455	-0.538616	-0.0372121	-0.4799561	1.79	0
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0.29423244	0.00387683	-0.3141586	-0.0995123	0.1226974	1	0
0.27102914	-0.0682993	-0.2668232	-0.127059	-0.392033	32.77	0

0.9964802	0.29264901	-0.3177283	-0.2212123	-0.3009202	5.99	0
0.9357898	-0.0075645	0.08810893	0.24804304	0.09083749	0.89	0
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0.69845342	-0.0084699	0.93197082	-0.0227786	0.02664029	61.18	0
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0.47520618	-0.5167898	0.42688303	-0.058198	0.10799568	39.94	0
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0.99290311	-0.1289384	-0.1110626	-0.3402057	-0.3102969	4.38	0
0.51226793	0.32960165	-0.4365314	0.06324986	0.02906657	12.99	0
0.4871559	0.27089407	-0.0933703	0.33005624	-0.0563403	24	0
-0.4218544	0.0453555	-0.3232994	0.08065883	0.03788914	1	0
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-0.5105081	0.40326962	0.17832705	-0.3545792	-0.2333322	25.36	0
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0.71747089	0.19974157	0.07240095	0.09975604	-0.1365243	35.11	0
0.2708327	0.75435271	-0.491529	-0.6898189	-0.3293736	1	0
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0.3487832	0.3223298	-0.6710689	0.00591269	0.02825193	45.3	0
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0.39934429	0.11465588	0.12123307	-0.0444132	0.00226883	32.51	0
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0.11591475	0.31973328	1.12532706	-0.0588553	-0.0141916	10	0
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0.07621102	0.19763724	-0.2866738	-0.2305295	-0.4050842	100.37	0
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0.94612123	0.36971292	0.11062567	-0.0218366	0.02363838	1.98	0
0.42711253	-0.0840301	-0.4171943	-0.8978848	-0.4620415	2.98	0
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0.22412587	-0.2754016	-0.4153388	0.10863514	0.05298091	10	0
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0.30649353	0.22684414	-0.3654157	-0.9367349	-2.7338871	10.35	0
0.5150769	-0.1744021	0.82840174	-0.0392618	0.01306099	14.9	0
-1.3598315	-0.0054592	0.70607519	-0.0918217	0.02423381	154.4	0
0.49530057	0.12324381	0.92755511	-0.0498384	0.03596528	122.36	0
0.63514016	-0.0934664	-0.4189929	0.46312915	-0.1391017	2.28	0

0.44484326	0.65003652	-0.3357358	0.04637183	0.02089898	6.54	0
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0.7357248	-0.6227452	0.21998738	0.13155596	0.15258557	6.47	0
0.6690488	1.10815948	-0.1206713	0.04339284	0.23763565	52.95	0
0.4068724	0.11613734	0.1026749	-0.0091212	0.01970046	0.89	0
0.28265305	-0.4497847	-0.0874268	0.1825533	0.20233567	5.99	0
0.02572225	0.26380869	-0.3241946	0.04254995	0.06365212	208.38	0
0.54884516	0.34707876	0.23994795	-0.0385645	0.00676473	32.51	0
0.70605298	-0.2341718	-0.3771854	0.16455521	0.15504197	6.51	0
0.36853548	0.67541797	-0.2862809	0.19672984	0.22603124	18	0
0.98988028	0.25782071	0.11445761	-0.1594281	-0.1589208	1.98	0
0.49293599	-0.5248891	0.34044935	0.01111863	0.06093585	70.33	0
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0.00333562	0.21266573	0.29566419	-0.1752601	-0.1656143	19.29	0
0.33729866	-0.1526807	0.0712085	0.24379675	0.0994358	8.99	0
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0.46675445	-0.809962	0.65733442	-0.0431502	-0.0464014	0	0
0.99304882	-0.0392524	0.17340633	0.18183989	0.37808037	27	0
0.50035482	0.16560652	1.05225043	-0.0243882	0.0083975	2	0
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0.39645882	0.29503304	-0.0762258	-0.0044476	0.0416881	94.5	0
0.93412848	-0.3273835	0.66847886	0.11426418	-0.0913848	2.31	0
0.36945925	0.55629454	-0.3266446	0.02810097	0.01521532	7.89	0
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0.38821035	-0.1370307	0.07041778	0.14273482	0.06053725	11.99	0
0.50960586	-0.4019506	0.83523632	0.28601533	0.06726439	302.1	0
0.36392821	-0.1709475	-0.4715237	0.05895772	-0.0791573	30.3	0
0.33442268	-0.0814128	0.07821507	0.23170103	0.09091968	8.99	0
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0.42016962	0.23520736	0.19495656	-0.7084712	-0.6212185	30.5	0
0.5740813	1.01839447	0.98709903	0.65828337	-1.6097157	85	0
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0.26294976	-0.2073492	0.05636176	0.23704091	0.08745568	4.45	0
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0.04235014	0.54718971	-0.2505557	0.06074083	0.01769987	5	0
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0.70817688	-0.5705403	0.03699211	-0.0417325	0.18217805	33.33	0
0.12177149	0.69713147	-0.315949	0.04661016	0.01789083	6.86	0
0.71563999	-0.0334765	0.28518841	-0.0809313	0.02492509	54.75	0
0.22865519	0.10774395	0.22233054	-0.1091595	0.08976657	6.2	0
0.48115277	0.46099832	0.41727722	0.00788252	0.01489356	12.31	0

0.43802558	0.46075961	0.26705585	-0.0219159	0.01481176	13.99	0
0.06837539	0.63361931	-0.0307373	-0.0115748	0.00025439	36	0
0.01974723	-0.6658612	-0.4899398	0.15791948	-0.3321232	1.91	0
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0.63879572	0.86778827	0.18105128	0.22563842	0.17902656	9.99	0
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0.40771003	0.63332399	-0.2138439	0.05628041	0.02899726	9.97	0
0.39889364	0.20228318	0.99240352	-0.0741689	0.00668211	60	0
0.24656482	0.66141176	-0.3242023	0.02595973	0.0492539	1	0
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0.3917601	-0.5423314	-0.5315171	0.18628037	0.23001196	7.8	0
1.00318129	0.11807892	-0.4606271	-0.2716997	0.01244621	22.09	0
0.17219657	-0.2308716	-0.3632599	-0.0671744	-0.0668318	222.5	0
0.05270734	0.14904215	0.3292479	0.02887328	0.01395399	11.5	0
0.43831038	0.25980806	0.31589554	0.017962	0.02761117	8.58	0
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0.1670243	-0.1377281	0.9224213	-0.1133534	0.09396933	493.44	0
0.14030878	0.0728125	-0.6376646	0.23187713	0.06271905	33.26	0
0.22025811	-0.1629244	-0.2869936	0.01507107	-0.1046675	15.08	0
0.02936791	-0.3004199	-0.2941003	-0.0099046	0.03886056	68	0
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1.0057635	-0.0986943	0.39678121	0.30789449	0.09874551	69.99	0
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0.03264474	-0.3964244	0.72285432	-0.1656674	-0.1243308	7.69	0
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0.05968379	0.49378115	0.28873777	-0.0272641	0.0137543	32.38	0
0.86214906	0.12625857	0.0634379	-0.0259169	0.03484034	0.89	0
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0.53313388	0.29677288	0.89010355	-0.1232251	-0.5437499	75	0
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1.05299481	0.39855491	0.07068481	-0.070437	-0.1488728	22	0
0.19834514	0.33058392	-0.5593487	0.0228279	0.02534179	62.63	0
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0.55757286	0.51651768	-0.004221	-0.0280545	0.02572862	75.83	0
0.01269652	0.76087857	-0.8281473	-0.2987	-0.0616152	456.71	0
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0.45443754	0.20252207	-0.3131175	0.52718202	0.20257499	204.03	0
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0.70460377	-0.3499034	0.14604072	0.2899648	0.15957155	2.67	0
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0.44755723	0.16408041	-0.1318969	-0.0475469	0.13026635	611.76	0
0.92913867	-0.2519935	0.67539207	0.0935283	-0.0932858	2.31	0
0.13800604	-0.1295525	-0.1412503	-0.0113855	-0.0063438	11.38	0
0.51926744	0.20112774	0.2595441	-0.0395807	0.00719534	23.88	0
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0.24550086	0.60187631	-0.3440608	0.03419884	0.00988014	19.64	0
0.57561055	0.30456812	0.48968523	0.20608924	0.25486446	20.48	0
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0.42500802	-0.2277456	0.18226437	0.07672033	-0.0986671	41.64	0
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0.3068045	0.72825076	-0.3312394	0.03902376	0.05359968	1	0
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0.04942204	0.59741633	0.00214855	0.03518151	0.00368211	4.79	0

0.18512975	0.1290619	0.17778005	-0.0345646	0.00148656	10.29	0
0.00082821	0.1547814	0.04203392	-0.0195497	0.08117592	1.79	0
0.10072126	-0.3324789	0.25252557	0.13886482	-0.0851519	29.18	0
0.45117346	0.4774816	0.26555702	-0.0185553	0.01565601	12.89	0
0.15532067	-0.3119729	0.07360901	0.25420267	0.08536748	4.45	0
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0.37331631	-0.1769418	-0.1561613	0.01163128	0.11635929	85.25	0
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0.02822505	0.1304642	0.10422455	-0.0143287	0.00802559	9.99	0
0.48681551	-0.36568	0.96330137	-0.0455452	0.11052821	45.38	0
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0.01422473	-0.1836742	0.00170135	-0.0659694	-0.6208597	16	0
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0.75893586	0.61622073	-0.3540567	0.03249164	0.03026417	1	0
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0.4855944	-0.5351581	-0.6841432	-0.422542	0.04707804	64.04	0
0.85713471	0.8500549	-0.3116851	0.03753621	0.05061751	1	0
0.01480959	-0.5907134	-0.4829984	0.13771731	-0.3349147	1.55	0
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0.414591	0.12993494	0.38722799	-0.0164235	0.03425473	52.4	0
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0.45055565	-0.4027275	0.60758824	-0.0910735	0.08090606	27.13	0
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0.10742841	-0.4644655	0.00493847	-0.0680133	0.09383432	146.25	0
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0.07403619	-0.4866332	0.7245487	0.10429423	-0.0551096	0.77	0
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0.60534244	-0.1217595	0.73668443	0.07710857	-0.069752	56.09	0
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0.35145634	-0.1394639	0.06985231	0.24957998	0.09998789	0.89	0
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0.17856245	-0.3441476	-0.3016809	-7.11E-05	-0.0832022	29.99	0
0.26873791	-0.1771861	-0.1269356	0.29025885	0.12752996	1	0
0.22477049	-0.6484406	-0.7574466	-0.0852937	-0.0670736	24.02	0
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0.92839378	-0.1285659	0.04629914	0.06974483	-0.0376208	0.89	0
0.56281617	0.37373979	0.24042808	-0.0308385	0.00414923	10.69	0
0.09175323	0.1719555	0.50940339	0.2668577	0.09429561	12.41	0
0.239376	0.61755953	-0.3424295	0.03961795	0.00710722	1	0
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0.50757268	0.33185285	0.46927993	-0.1027215	0.10690092	539.17	0
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0.58666444	-0.0315981	0.57016802	-0.0430075	-0.2237395	0	0
0.92409479	-0.1765092	0.68228663	0.0725082	-0.0950674	2.31	0
0.61756142	0.76013074	-0.1006348	-0.0094692	0.0014068	30	0
0.55570483	-0.3189972	0.27431003	0.18455886	-0.2968356	102.13	0
0.47435545	-0.2525816	1.0903982	-0.0409713	-0.117359	22.03	0
0.03197245	-0.4604448	-0.4353187	-0.0730636	0.24633631	34.27	0
0.00699531	0.14427705	0.08108178	0.04119917	-0.0812645	5.31	0
-0.6198496	0.28279935	-0.0594038	0.04869513	0.10919977	25.03	0
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0.12484758	0.14142863	0.99269341	-0.0722555	-0.0017425	0.77	0
0.94015462	-0.3957741	-0.0062565	0.06037103	-0.013897	9.27	0
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0.2034237	-0.1593525	-0.2509279	0.40073968	0.19996978	46.77	0
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0.27564259	-0.0452172	0.09584902	0.56311936	0.30794473	17.99	0
0.1570006	0.08289497	-0.3993808	0.0874019	0.0394214	64	0
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0.35924644	-0.969651	-0.1857933	-0.1368971	0.23367176	10.2	0
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0.59734602	0.0687057	0.09172526	-0.0128344	0.02073761	1.98	0
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0.88153187	-0.1695246	-0.2133052	0.31337128	0.24670732	2.72	0
0.99539759	0.50206238	-0.3320547	0.06546767	0.03540578	13	0
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0.22393552	-0.297777	0.06830018	0.28101833	0.11155701	6.99	0
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0.12154322	-0.1943113	0.11430213	0.11404772	0.13568659	55	0
0.22414552	0.729243	-0.6582239	0.07312962	0.00689007	37.57	0
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0.0688767	-0.4105404	0.73164309	0.08405079	-0.0572356	0.92	0
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0.85398068	-0.9436508	0.60782561	0.33513081	-0.5617212	1015.61	0
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0.02666646	0.07860204	0.32805551	0.00876227	0.02013149	64.99	0
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0.52892195	-0.4198005	0.62962805	-0.0409303	0.09762444	50.99	0
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0.39104838	0.18641117	-0.5719519	-0.1357548	-0.1761999	52.05	0
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0.3157212	-0.1549442	0.07618529	0.11424487	0.03445083	9.72	0
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0.08926443	0.31755105	-0.2885514	-0.8635214	-0.5191679	25	0
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0.6678383	0.24218841	-0.7348835	0.02686507	0.0369286	6.85	0
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0.02418049	-0.2044409	-0.6452191	0.13032446	0.12671288	9.99	0
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1.03616411	0.80441274	-0.2420896	0.10355154	0.27617954	48	0
0.30545461	0.06500079	0.09688987	0.07278564	0.00423505	9.99	0
0.9894579	0.22882113	-0.5451556	0.05812007	0.03557301	12.9	0
0.12313336	0.38174887	0.29673521	-0.0071746	0.01190456	18.56	0
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0.30139109	0.13776377	0.1032333	0.05209734	0.0019377	9.99	0
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0.34312765	0.22112013	0.09439112	-0.022189	0.03094405	1.29	0
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0.28538977	0.28106898	-0.3701303	0.04341033	0.09231848	80	0
0.09187277	0.14096398	0.22740627	-0.0173886	0.01602987	5.98	0
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0.07308245	0.63397685	-0.3106853	0.0335905	0.0152503	13.79	0
-0.5298257	0.44284306	-0.6560749	0.00298164	0.04387911	145.56	0
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-0.9814484	0.10576335	0.15931716	0.39880249	-0.2899869	10.77	0
0.68781641	-0.2509151	0.0388253	0.12808858	0.12490028	4.49	0
0.94284375	0.6998004	0.42481624	0.00026823	0.03922722	29.56	0
-1.0095347	0.86988969	0.00505676	-0.0030364	-0.0101378	0.01	0
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0.27790583	1.20682012	0.02696923	0.2042749	0.16409604	15	0

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0.390587	-0.0469071	-0.2743191	0.08607751	0.10200479	470.88	0
1.01816465	0.49572672	0.19664278	-0.012637	0.00950105	2.69	0
0.08165887	-0.0891687	-0.3081289	0.13332363	-0.0272734	11.46	0
0.16705393	-0.1235683	-0.2354048	0.19959353	-0.1138996	605.5	0
-1.4278883	0.43112781	0.18282635	-0.0262697	0.00387599	0.99	0
0.74064572	-1.5442093	0.13350998	-0.0014659	0.01481293	55.61	0
-1.6696657	0.68109739	-0.3563006	-0.014804	-0.0245493	0.89	0
0.29734958	0.21136953	0.10973717	0.0328296	-0.0012713	11.98	0
0.43112729	0.26890368	0.35850041	-0.082402	0.00094762	2.72	0
0.49111141	-0.7711845	0.87365479	-0.8397383	-0.6659242	120.02	0
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0.49903914	-0.0117617	0.06704129	-0.060046	0.02313318	79.95	0
0.35964812	-0.1251855	0.10066792	0.63498975	0.31349506	1.79	0
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-0.1585663	-0.1263235	-0.2828563	-0.8659836	-0.6767719	10	0
0.57347923	0.08596604	0.42965356	-0.0098149	0.04535425	134.7	0
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0.16849966	0.42385881	0.53061129	0.01497966	0.02804092	69.99	0
0.07836703	0.16497914	0.24487607	0.10168258	0.06728946	15	0
0.29352793	0.28309613	0.11583565	0.01161845	-0.0033227	11.97	0
0.7837372	-0.0108203	0.37141243	0.27746206	-0.0226273	69.99	0
0.08185481	0.22288903	1.07010733	-0.0749676	0.00369731	47.85	0
0.11038734	0.5223298	0.52633894	-0.0052872	0.02448631	59.9	0
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0.37883953	0.14900181	-0.1929924	0.10179933	0.1093352	19.98	0
-0.7534019	-0.911976	-0.0914102	0.07259267	-0.1159849	99	0
0.0913972	0.66227275	0.09662681	-0.0229647	0.00810851	8.38	0
0.36123044	0.68275271	-0.3364348	0.01377941	0.01494723	2.68	0
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0.28949737	0.35635504	0.12214062	-0.0089105	-0.0060724	12.99	0
1.03752904	0.70022472	-0.2649553	0.10237796	0.03350929	24.9	0
0.00895125	-0.3693236	0.42332355	-0.3413879	-0.1231158	25.99	0
-0.232053	-0.3994596	0.77992493	-0.4288414	0.11416956	105.16	0
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1.04436698	0.57703341	-0.0634678	0.29604099	0.06352464	1	0
0.33372113	0.20928443	0.09549325	-0.0245335	0.03028952	1.78	0
0.72623873	0.1947911	0.07107585	-0.0255446	0.02528379	9.99	0
0.35538919	-0.3052944	0.05381957	-0.251579	0.09986223	10.99	0
0.7298933	0.36785542	0.24939903	-0.0329909	0.01823486	30.5	0
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0.33132151	-0.0642524	-0.6701349	-0.0464428	0.00850389	4	0
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0.00233132	0.69558997	0.42910337	0.30558314	0.19204286	79	0
0.03517822	0.098192	-0.4892069	0.09010067	0.13738583	57.64	0

0.28611064	0.42852513	0.1284578	-0.0265206	-0.0101663	16.98	0
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0.32464753	0.28772395	-0.5439732	0.25547517	0.12523511	29.35	0
0.0019695	0.40733314	0.26972885	-0.045557	0.00764916	68.7	0
0.10815534	0.62698931	-0.2570689	0.03689069	0.02532855	29.9	0
0.47266775	-0.9599372	-0.0502456	0.09986136	0.07702882	32.51	0
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0.02221784	-0.5971783	-0.4312183	0.51428045	0.10022878	37.99	0
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0.85761046	-0.1999705	-0.7698198	-1.3937755	-0.5948826	5.26	0
0.04767043	0.32074674	-0.5107477	0.1165568	0.0368365	25.98	0
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0.40679742	-0.3118605	-0.6569518	-3.5252808	-1.31489	125.86	0
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0.25475664	0.30587522	-0.1566622	-0.4395978	-0.0762018	589.21	0
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0.32755187	0.22598414	-0.0632748	0.08549603	0.1096848	204	0
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0.37507058	0.54360337	0.34717719	-0.0570875	-0.0002512	23.43	0
0.5488088	0.17978196	0.06148403	-0.0296487	0.0135855	8.99	0
-0.1124488	-0.0419687	0.19273383	-0.4291925	-0.4070499	18.56	0
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0.12484758	0.14142863	0.99269341	-0.0722555	-0.0017425	0.77	0
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0.07838006	0.02760692	-0.2464276	-0.4474844	-0.1143121	1	0
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0.18039228	-0.5218498	-0.0921698	0.29979385	0.26092122	4.99	0
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0.46458707	0.11764103	0.06740298	-0.0354394	0.02151168	8.99	0
0.05486851	-0.3075753	-0.1544604	0.26711661	-0.0141245	7.04	0
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0.50476477	-0.004863	0.93856292	-0.0344708	0.03420049	117.28	0

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0.46937779	-0.7059407	1.08721463	0.08876401	0.13878001	19.54	0
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0.14241366	-0.911745	-0.2370008	-0.0352765	0.08881663	64.63	0
1.03069039	-0.2957256	0.15955187	0.01362384	0.13114569	47.76	0
0.52596236	0.75087688	0.14154296	0.04510703	0.12732076	3.58	0
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0.51185499	-0.6816133	0.06119095	-0.0649469	-0.0869522	1.98	0
-0.0178844	0.02108321	-0.7226784	-1.6680304	-0.7941924	57.7	0
0.53120881	-0.4866997	0.67078696	0.00856674	0.1474126	17.68	0
0.31080542	-0.4397723	-0.9571423	-0.3333971	-0.3713874	42.56	0
0.20451219	-0.0885405	-0.467087	-0.0732611	-0.1869517	7.95	0
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1.00438063	0.14845228	-0.2687342	0.22264675	-0.0163164	94.86	0
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1.00727378	0.52517655	-0.0877129	0.34484606	0.14943252	22	0
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0.3630165	-0.2484411	0.25343513	0.20143741	0.11836392	39.05	0
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0.45976792	-0.673286	0.01362626	0.13268102	0.12315929	0.05	0
0.37685218	0.39547815	0.2724097	-0.0356846	0.0128303	25.39	0
0.42435645	0.27152352	-0.0577312	0.02055259	0.00321087	24.9	0
0.39976348	-0.191103	-0.3362369	0.02189087	0.10854343	89.95	0
0.43435739	0.63696313	-0.2636917	0.05753058	0.02330893	9.99	0
0.0972772	0.03533022	0.96277466	-0.0887498	0.05207581	287.57	0
0.10700593	0.66368072	-0.2423598	0.05368027	0.01903259	9.99	0
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0.45026993	0.09722736	0.93997423	-0.0467437	0.02072721	53.54	0
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0.0654035	-0.1067438	-0.2175828	0.29720031	0.13391761	10.99	0
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0.5940908	-0.0412897	0.70401322	-0.074708	0.01832942	64	0
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0.41751043	0.43343888	0.2691081	-0.0277337	0.01397983	18.56	0
0.36825855	-0.1964503	0.26022564	0.21615736	0.08703586	23.43	0
0.2285152	0.39411439	0.79888637	-0.0261688	0.20529352	15.38	0
1.07019562	-0.0897525	0.77545603	0.02220655	0.00393696	171.32	0
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-1.003853	-0.3570255	0.32430705	-0.0480323	-0.0785328	24.38	0
0.06199046	-0.1878729	0.24914293	-0.3813162	-0.1483485	1.29	0
0.17290734	-0.3574777	0.07462466	0.26624156	0.10926583	4.99	0
0.97153322	0.53409271	-0.164691	0.01094296	0.02010867	6.55	0
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0.0160826	-0.272718	0.02918163	0.06623994	-0.2766982	9.87	0
0.07239209	0.82661478	-0.0856429	-0.0308215	-0.0080924	25	0
0.38461019	-0.1471325	-0.0871001	0.10111688	0.07794387	0	0
1.03346696	0.60871476	0.28413269	-0.0215384	0.00686289	12.15	0
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0.30470913	-0.1911879	0.07496804	0.23516194	0.09685963	13.98	0
0.36504132	-0.3186743	-0.6182102	-0.0023834	0.06025278	33.99	0
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0.03530343	0.14313013	0.10427157	-0.0108077	0.00703299	0.89	0
0.05058871	0.45164438	0.26463986	-0.037335	0.01080092	69.97	0
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-0.142483	0.25275122	0.12747871	-0.0366418	0.01350558	9.48	0
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0.91467684	0.08770226	-0.0693272	-0.4589508	-0.693665	8.96	0
0.17469063	-0.240575	-0.5699635	0.16677738	0.14538323	51.45	0
0.20771163	0.41421628	-0.4391534	0.03582936	0.01435585	5	0
0.5106436	0.21209377	0.46698623	-0.2725265	-1.1073683	1.46	0
0.07003279	-0.2193959	0.2461815	0.64623294	0.31248214	5	0
0.03390902	-0.2842523	-0.010392	0.17398823	-0.2645039	767.7	0
-0.3662022	0.08416806	-0.4499811	-0.0036294	0.0156841	87.47	0
0.40914177	0.31788887	-0.0913743	0.08379062	0.05097665	131.95	0
0.07241469	0.17858054	-0.2835943	-0.5590897	-0.2867533	179.84	0
0.6281858	0.10629001	0.47438052	0.01926008	-0.1261256	0.76	0
0.2643227	-0.2039978	0.05596482	0.23659648	0.08749643	9.44	0
0.97954887	-0.0099366	0.06278492	0.21316912	-0.0514329	8.99	0
0.26879146	0.19323351	-0.0065745	-0.0219627	0.06647267	4.49	0
0.1909211	-0.5023951	-0.5227225	-0.1558182	-0.2912564	13.94	0
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0.00719674	0.59583902	-0.3259421	0.02912742	0.00286285	5.45	0
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0.19436981	-0.2976056	-0.057394	0.04471803	0.09339164	0.89	0
0.03080132	-0.3770172	0.29129925	-0.1869259	0.21621445	94.65	0
0.33622367	0.43144397	0.41199901	1.01223198	0.37464408	10.38	0
0.18448973	0.05835844	0.51319335	-0.3186644	0.14331208	15.15	0
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-0.0035745	-0.1250349	-0.3336574	0.0956434	0.12583632	25.85	0
-0.7660155	0.15687668	1.00528396	-0.050482	0.04068675	220.28	0
0.47784271	0.13359196	0.06568018	-0.0324756	0.02272157	9.99	0
0.55776994	0.42449336	-0.2073674	-0.0426258	0.05453079	294.95	0
0.42919246	-0.068667	0.42832479	0.15900519	0.04086839	29.99	0
0.97946745	0.43488181	0.38088758	0.29650765	-0.0698291	8.12	0
-1.2297196	0.94882779	-0.4853558	0.11178901	0.01281856	25.95	0
-0.6541358	0.24943822	0.05801295	-0.026457	-0.1124195	11.98	0
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0.26648963	0.15373378	0.14658307	-0.2472571	-0.1716615	11.5	0
0.24836389	-0.7803235	-0.4516733	-0.9060461	-0.6821577	153	0
-0.3272686	0.33081059	-0.2175921	0.04195139	0.0378545	138	0
0.57934019	-0.1171071	-1.0966477	0.63956933	-0.8027	0.1	0
0.47550996	0.13445522	0.06683894	-0.0312822	0.02105878	1.29	0
-0.0222867	-0.1382505	0.63871095	-0.0663878	0.00972398	47.9	0
0.07320509	0.6330993	-0.3109402	0.03313892	0.01566644	16.18	0
0.32543255	0.04706813	0.03093876	-0.0502261	0.03222642	82.39	0
-0.1068526	-0.1115199	0.5408865	-0.1616646	0.06319283	354.85	0
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0.60929126	0.16894975	0.17018594	-0.0194394	0.0175345	5.91	0
-0.4460914	0.79174523	-0.2769714	0.00997853	0.01326792	14.05	0
0.96177601	-0.0677597	-0.549465	-0.2325882	-0.1082607	3.9	0
0.00810158	0.25972531	0.03237585	0.32358012	0.03462205	1.78	0
0.63077386	0.28350596	-0.2042637	0.09755516	-0.6704801	30	0
0.99711851	0.38429905	-0.1875379	0.06881728	0.0380093	82.37	0
0.3303803	0.06418966	-0.1105327	0.67216511	0.1147391	8	0
-0.4369249	-0.3904958	-0.3564812	0.18741138	0.19336508	2.69	0
-0.0325451	0.32295973	-0.5073917	0.04292052	0.02244391	2.5	0
-0.0564289	0.21094618	0.09881211	-0.0317632	0.01710003	7.28	0
0.37669622	0.0788021	0.10635828	-0.0163464	0.01735038	0.99	0
0.37672749	0.56760191	-0.3269922	0.03092286	0.01486696	2.49	0
0.32693959	0.13171261	-0.1046486	0.64937618	0.11499011	1	0
0.3461769	0.13553181	1.20062716	-0.0573869	0.04775313	291.38	0
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0.53066275	0.20441267	-0.0148378	0.09452372	0.12087783	29.99	0

-0.0584061	0.87554529	-0.0556539	-0.0264791	-0.001861	15	0
0.52651751	0.5365062	-0.2427293	0.04305721	0.02232366	29.95	0
-0.5125505	0.28482899	0.12964439	-0.0364609	-0.0003198	1.98	0
0.50575677	0.26099622	-0.6565594	0.03603714	0.03001735	16.45	0
-0.0125869	0.41871814	-0.4045229	0.06626901	0.02413437	9.99	0
-0.0310094	0.1840822	0.13548057	-0.050014	0.01143855	62.85	0
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0.40638868	-0.449502	-0.4247908	0.80559022	0.3105593	0.89	0
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0.09181305	-1.2210312	0.55740787	0.24738644	0.23522819	39.09	0
0.48235772	0.58295321	0.47022282	-0.0584825	0.02121888	112.38	0
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1.05961787	-0.3562412	0.00788811	0.04071998	0.03067628	78.44	0
0.19124649	-0.2044925	-1.0767207	1.07296082	-0.1884967	1528.9	0
1.03376047	0.60661451	0.28352264	-0.0226192	0.00785885	17.87	0
-0.1142979	0.18334673	-0.1121356	-0.0498327	0.03144571	88.88	0
0.08355935	0.41404788	-0.2783218	-0.8670448	-0.5374413	29	0
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0.18427428	-0.1627037	-0.4914915	-2.6677131	0.44048502	9.73	0
0.70228017	0.22770666	-0.0955355	1.0207747	0.61272441	8	0
0.6979054	0.30021677	-0.0890366	0.99826794	0.61167904	1	0
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0.07212065	0.7778352	-0.3104214	0.02135704	0.01954638	5.07	0
0.49005323	0.21683637	0.5795261	0.05053562	0.03109925	37.5	0
0.352056	-0.6649842	0.8439787	-0.5550301	-0.6256997	203.83	0
0.08251211	0.36360697	0.18834844	-0.3760111	-0.0557075	5.42	0
0.49259371	-0.057231	0.32076624	-0.6645096	-0.0721421	9.95	0
1.02117692	-0.0300049	0.69555328	0.3482142	-0.0135337	7.69	0
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0.71258798	0.18166743	0.07361986	-0.0270535	0.02273319	1.29	0
-0.5317145	0.14871251	0.46998723	0.69319752	0.2096409	197.16	0
-0.2757285	0.67224112	-0.3158026	0.02946291	0.01102545	52.93	0
0.11630327	0.58735666	0.16859205	-0.0008154	0.0237765	44.91	0
0.73250704	0.0699489	-0.0307336	-2.8876607	-1.6836546	3.37	0
0.05133701	-0.1129734	-0.6371609	0.00051332	0.00135615	25.54	0
0.15885794	-0.5613114	-0.0731954	0.19433848	0.03202793	7.82	0
0.95654898	-0.117136	-0.1741343	-0.360583	-0.7016192	9.31	0
0.74991122	-0.6840594	-0.4677823	0.19155214	-0.0241302	0.89	0
-1.7023974	-0.0715197	0.82737544	0.22111575	-0.010694	34.6	0
0.3051476	-0.7874261	-0.0689826	0.29645853	0.17601002	7.99	0
0.37322143	0.25040726	0.09097453	-0.0164616	0.03304249	1.98	0
0.23444541	0.59287857	-0.270833	0.04745491	0.01035738	11.99	0
0.22604368	0.21810175	1.55623644	-0.0558411	0.00620881	34.9	0

0.57860953	0.00114339	-0.3736851	0.15061919	0.13925657	34.95	0
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0.99223541	0.45701473	-0.0279236	0.04527339	0.02886818	0	0
0.25636806	0.58947637	-0.3012767	0.05574834	0.01391722	13	0
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0.21624941	0.5737531	-0.3386097	0.03096489	0.00441507	1	0
0.74208049	0.37913662	0.24248774	-0.0358307	0.02757679	74.64	0
0.48604281	0.77988035	0.78292954	-0.5106574	-0.1023267	352.89	0
0.21046529	-0.2730894	-0.5911309	-0.0314818	-0.0733543	45.9	0
0.38437016	0.2411055	-0.0741137	0.08949697	0.07739318	6	0
0.50726072	-0.2615825	0.04210512	0.25900728	0.11224574	5.35	0
0.19875377	0.49221313	-0.4821522	-0.0584257	0.15898094	9.99	0
0.54308197	-0.0615904	0.20941701	0.27817013	0.17345627	74.22	0
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0.06279333	0.10807655	0.35350798	0.01925617	0.01907924	8.04	0
0.4365211	0.50967362	0.45411616	-0.2018043	-0.175439	0	0
0.4764596	0.01198878	0.91146373	-0.093208	0.06585391	309	0
0.58359615	0.07328002	0.97450992	-0.2422341	-0.1931975	82.5	0
0.50535791	-0.0055934	0.93361068	-0.0389964	0.04171786	156.04	0
0.42909315	-0.4674204	0.27714903	0.02010228	-0.1117505	128.68	0
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0.3291791	0.05752039	-0.1237294	0.12262453	-0.0486217	144	0
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0.07606882	0.50483497	-0.2678346	-0.005337	0.04850884	186.14	0
0.06213499	0.63668164	-0.3100997	0.03457859	0.0148716	11.45	0
0.21334821	-0.4190586	0.73315554	0.48021199	0.28581291	8	0
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0.33808675	0.37865263	0.68545396	0.03546427	0.01827443	59	0
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0.40791017	0.3213098	-0.2192919	0.144619	0.05220035	56.86	0
0.51974431	0.30361071	-0.1856656	0.21219654	0.28312313	10	0
0.48700442	0.38786464	0.2169096	0.04389018	0.09165285	293.34	0
0.17192407	-0.3060389	0.17199523	0.16819153	0.23568902	8.99	0
0.49413081	0.62142055	0.04329177	-0.0534444	-0.0007163	6.1	0
0.00083838	0.70006124	0.18487689	0.05824313	0.12135748	6.99	0
0.0914739	-0.1201119	0.14112704	0.09388263	-0.0729873	14.99	0
0.57236348	0.02909304	0.87763957	-0.0801263	-0.000985	0.46	0
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0.01551728	0.40384081	0.11020535	0.0337081	0.02026376	1	0
0.00468058	0.54032792	-0.231578	-0.1013188	-0.1583102	2.34	0
0.23614018	0.54983328	-0.3303968	0.02321632	0.01163891	21.03	0
0.79268636	0.47092803	-0.1546608	0.08820468	0.07717975	196.46	0

0.4105923	0.08923131	-0.4695122	-0.1279476	0.16229695	23.9	0
0.70291042	0.35587757	-0.2083307	-0.23137	-0.1013767	2.49	0
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0.27760814	0.33777877	-0.22826	-0.3089265	-0.3687456	13.27	0
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0.43850762	0.76823208	-0.2743174	0.01521433	0.01321965	1	0
0.02404137	0.12874296	0.10554059	-0.0137161	0.00633497	1.98	0
0.07028935	-0.0750283	-0.2550844	0.21546385	-0.0098131	148.59	0
0.2687296	0.25861112	1.26959787	0.00095453	-0.2004155	128	0
0.81721774	0.08413552	1.18423879	-0.1997248	-0.1331994	188	0
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0.00667508	-0.0587826	0.21713276	0.13435427	-0.0618329	17.28	0
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0.39131212	-0.3615885	-0.4089671	0.02719949	-0.218191	1	0
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0.06362347	0.05902118	0.36540983	-0.4477385	-0.3630265	15.3	0
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0.6382206	0.27029384	0.02896756	0.08437168	0.04068456	15.17	0
0.38538066	0.43836626	-0.0763742	-0.0059355	0.02624667	6.56	0
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0.45011715	-0.3115798	0.77470687	0.20399892	0.08846045	7.69	0
0.41181627	0.1993746	-0.2277316	0.77636104	0.62067543	13.31	0
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0.1042607	0.21110207	-0.2873067	0.33512913	0.32821182	18.8	0
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0.66419705	0.46420396	0.412829	0.1250831	0.05466573	19.51	0
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0.52689696	-0.2298717	-0.4199498	-0.5150201	-0.5601651	107.9	0
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0.5169662	0.16344248	0.09585117	-0.0957206	0.02353931	139.95	0
0.31352744	-0.1840648	0.07446944	0.23891863	0.09790312	1.29	0
0.80085553	0.3345301	0.46289656	-0.0628634	0.04029199	158	0
0.37295041	0.05315036	0.62458623	-0.1119097	0.00369714	21.98	0
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0.64602281	-0.4271272	-0.4878508	0.10802	0.17405578	4.04	0
-1.2973709	0.19153456	-0.1835378	0.3323326	-0.1226363	13.27	0
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0.10677559	-0.2761641	-0.3766278	-0.2028258	-0.0106	38	0

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0.10876472	0.79698491	-0.2683621	0.01194414	0.00852256	1	0
0.03661483	0.23612277	-0.0975243	0.0588757	0.02246036	57	0
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0.03267811	-0.1017779	0.59716021	0.12828882	0.11648631	89.9	0
0.09061558	-0.1066067	0.47827323	-0.0355382	0.05630555	1	0
0.25007187	0.50707877	-0.1503579	0.00165124	0.00663559	75.13	0
0.41337954	0.66663207	-0.5305682	2.4649622	0.36589181	0.89	0
0.39784888	-0.3004242	-0.2913893	-0.7398514	-0.1914572	22.79	0
0.38080319	0.25947119	0.0899753	-0.0147942	0.03375798	2.69	0
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1.08315581	0.81143137	0.06435897	0.00431794	0.01859789	89.46	0
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0.42902168	-0.7096265	0.81014224	-0.952885	-0.5331529	0.77	0
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1.04677992	-0.0894741	0.36367363	0.21569229	0.22569784	24.08	0
0.07214124	0.22074665	-0.013483	0.05859641	0.03205391	0	0
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0.0136451	-0.2498047	0.08384128	0.15469622	0.04612463	8.99	0
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0.55182392	0.18293421	0.40217632	-0.0813575	0.02725183	158	0
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0.54376786	0.24058076	0.41892073	-0.0516928	-8.47E-05	1	0
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0.39242992	-0.4769225	0.01438453	0.14930226	0.18736522	4.91	0
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0.21351385	-0.1816409	0.05698953	0.47980382	0.04771261	44.99	0
1.03291542	0.82935323	-0.3151649	-0.0968471	0.08644239	474.59	0
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0.64960487	-0.4567148	0.16909571	-0.1946933	0.01463302	63.7	0
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1.00764007	0.1841936	-0.5199839	0.44163584	0.21361215	8.99	0
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0.06958607	0.44607293	-0.5026191	0.04924817	0.0327742	53.75	0
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0.36497754	-0.215618	0.31945934	0.18658277	-0.0338545	6.99	0
0.79240453	-0.1444703	0.95424634	0.34584962	0.11133125	22.17	0
0.5005788	-0.2121138	0.36669017	-0.2909442	-0.331017	29.9	0
0.4527638	0.30822568	-0.0398052	0.05582376	0.03139508	50	0
0.25153016	-0.3349754	-0.3152247	0.05024515	0.06335962	2.27	0
0.58634359	-0.5467008	1.02890574	-0.4277861	1.30431188	500	0
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0.37695986	0.31208302	0.46990853	-0.0739127	0.02439796	158	0
0.06300034	-0.037439	-0.2106505	0.28547162	0.12463648	5.99	0
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0.33397763	-0.0913026	0.27379503	-0.1300557	-0.1073744	158	0
0.40142171	0.03945799	-0.2840489	0.30032728	0.30542174	13.99	0
0.36282193	-0.2695947	0.24830298	-0.0779639	-0.1134532	1	0
0.44538888	0.14114286	0.20918982	-0.1802072	-0.214603	19.99	0
-0.0212648	-0.6383238	0.1499742	-0.1050792	-0.0342294	0.89	0
0.4604028	-0.3054011	-0.0914835	-0.0503746	-0.1503389	64.5	0
0.34425296	0.195127	-0.7017225	-0.0930549	-0.1062268	7.81	0
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0.38022647	0.22472878	0.09417053	-0.0277885	0.01943881	1.98	0
0.57247523	0.29102047	-0.2566669	0.07658809	0.04394924	135	0
0.30383983	-0.4592608	-0.3829528	-0.564206	0.14768857	3.16	0
0.74125443	-0.2016109	0.05209343	-1.3575122	0.04272206	32.52	0
0.01311583	0.46689502	-0.1563025	-0.045203	-0.0249993	213.1	0
0.25766953	-0.7446378	1.15641667	-0.0461708	0.16641764	10.59	0
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0.57208297	0.1927444	0.40068594	-0.0796515	0.02796294	158	0
0.40628267	0.3676414	0.25173154	-0.0608942	0.04388649	192.17	0
0.55801341	-0.2830571	0.25703671	0.18583271	-0.038288	1	0
-0.7633912	0.21211309	0.63813556	0.02478898	0.01367753	28.9	0
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0.34645316	0.24074559	0.00369807	-0.0047006	0.07320851	0.89	0
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0.10418617	-0.7433302	-0.3850854	0.33541286	0.16598242	0.79	0
0.39741358	0.60273557	-0.5556984	-0.1496619	-0.1355487	5	0
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1.01939319	0.2009436	-0.2770096	-0.0804622	-0.1237567	113.59	0
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0.1041366	-1.1792824	0.32337594	0.06130442	0.15829103	0.95	0
0.1107829	-0.2530312	-0.3322915	0.04053991	0.23474137	25.28	0
0.60468557	-0.071407	0.93381996	-0.0940937	0.05408312	281.42	0
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0.3747272	0.66573663	-0.3260971	0.00918745	0.0192051	5.99	0
0.3394637	0.58849451	-0.3009833	0.0273423	0.09196687	240.9	0
0.02979489	-0.1490862	-0.268706	0.26354895	-0.0294972	7.62	0
0.02964957	0.13609994	0.10495354	-0.0121778	0.0066065	0.99	0
0.34345626	0.07923892	0.10593794	-0.0101636	0.02944407	1.98	0
0.4331089	0.34938535	0.48685821	-0.0687771	0.03498262	158	0
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0.21040256	0.08457854	0.11232611	0.05135931	0.02977436	12.14	0
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0.83344974	0.52076891	-0.498053	-0.006162	-0.2385913	31	0
0.12081787	0.61610362	-0.2789943	0.0691687	0.02978397	46.39	0
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0.15290062	-0.2726935	-0.6367773	0.30218121	0.1857683	64.93	0
0.27392709	-0.1697054	0.05723531	0.05510626	-0.1349623	12.99	0
0.40213122	0.46172307	0.0943755	0.01720148	0.03247747	10.62	0
-1.4073809	0.07277452	-0.6515589	0.1019172	0.01073934	8.49	0
0.21029394	-0.1089521	-0.244278	0.42098012	0.16859739	40.2	0
-1.352332	0.31543411	0.30489017	0.02436394	-0.2017776	99.99	0
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0.40431542	0.36943277	-0.1323274	0.06980767	0.05850315	226.53	0
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0.12750736	0.06934818	-0.6661374	0.14536497	0.08165559	14	0
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0.05962639	-0.2599491	0.33440449	-0.0246324	0.0321401	1.94	0
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0.35322765	-0.2080981	0.06023236	0.13067659	0.11521156	2.78	0
0.43413284	0.14267843	0.09767218	-0.0059522	0.02466236	17.49	0
0.16444426	0.46342353	0.17184454	-0.5915338	0.15211488	1736	0
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0.6289632	-0.69822	0.73030446	-0.0588892	0.13767638	11.43	0
0.39835567	-0.197943	0.05986697	0.34749318	0.01452344	12.86	0

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0.21158742	0.55962541	-0.3399893	0.02594247	0.00735427	20.43	0
0.91554556	0.58902374	-0.3617667	0.00655747	0.02828279	26	0
0.68774396	-0.1897593	0.0561535	0.37724201	0.18153335	4.95	0
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0.32540119	-0.1592928	0.02010358	0.02450711	-0.2815977	9.99	0
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0.4081558	0.38187714	-0.372493	0.02318371	0.08940077	306.95	0
0.02652995	-0.0723206	0.85517669	-0.0362632	0.01330312	32.97	0
0.45297782	0.70328196	-0.3088865	-0.06759	0.0896353	431	0
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0.65769129	0.37714006	-0.2355303	0.11018328	0.0533836	84.4	0
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0.5427901	0.17536239	0.0629243	-0.0296754	0.01192103	1.98	0
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0.55424075	-0.2877194	0.25749846	0.18493193	-0.0385839	1	0
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0.90258307	-0.5524569	-0.6032762	0.07342719	0.16375552	49.5	0
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0.02024201	-0.0159961	0.55612866	0.22662189	-0.9040418	0.92	0
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0.45616974	0.31713826	0.11495871	0.04379885	0.03688241	42.99	0
0.98479955	-0.0497627	0.00987404	-0.4532262	-0.2726093	2.58	0
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0.97980499	0.72412022	-0.4230152	-0.0036444	0.11162082	233.15	0
0.26684874	-0.0943392	-0.3142272	-0.1375712	-0.3816298	155.75	0
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0.5230588	0.63832415	-0.2975499	0.02593008	0.01163356	9.95	0
0.39820136	0.22812385	0.43331744	-0.080467	0.03459291	158	0
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0.3841318	-0.2476777	0.28966821	0.18501724	-0.031658	1	0
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0.63883133	0.56846871	0.50357642	-0.0837776	0.024184	173	0
0.64020594	0.54675127	0.34659039	-0.0298833	0.0411623	0.76	0
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0.32462067	-0.1619604	0.07260736	0.24262984	0.09891985	4.99	0
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0.1767497	0.11603663	-0.2666923	0.00543015	0.01754884	5.47	0
0.10594508	0.86174565	-0.1756202	0.18588747	0.2846965	198.83	0
0.5086915	0.27165451	-0.6552795	0.04002343	0.02746994	0.12	0
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0.78921715	0.04681656	0.3457514	-0.6907417	0.02197567	36.26	0
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0.20578942	0.02721888	0.28455516	-0.2032034	-0.2542541	0.9	0
0.37081657	0.31699612	-0.3953625	0.09929823	0.0467871	21.48	0
0.20630866	0.25556093	-0.4491816	-0.5172646	-0.3001068	2.33	0
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-0.6223173	-0.7531083	0.17568277	0.21597747	0.16146337	30.33	0
0.51528488	-0.0844169	0.01079285	0.33542661	0.15365482	10.62	0
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0.42513713	0.20952677	0.50273847	-0.0678709	-0.0997558	196.33	0
0.03800046	-0.2133082	0.09974773	0.26467428	0.0968004	2.28	0
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0.71130771	-0.689641	-0.0381846	-0.0062918	0.10311575	6.25	0
0.19854989	-0.2008753	-0.4650647	0.00150776	-0.2909827	68	0
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0.57141364	-0.1594545	0.30640974	-0.1629071	-0.2687542	158	0
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0.36442657	-0.2749371	0.08705982	0.38886631	0.1783132	8.99	0
0.49345388	1.06910516	1.12948308	-0.0491861	0.17237551	16.9	0
0.94607043	0.37007642	0.11073126	-0.0216495	0.023466	0.99	0
0.13604185	-0.1263826	0.81630282	0.34378644	-0.3718409	500	0
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0.20173207	-0.4284616	-0.1083784	0.04654457	-0.0848129	20	0
1.0346306	-0.022965	0.93905216	-0.0698706	0.06292323	224.99	0
0.26775322	-0.1055394	-0.2223456	-0.0395524	-0.1000773	50	0
-0.0380164	0.22884596	0.09753589	-0.0274005	0.0170779	0.89	0
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0.44340599	0.63877747	-0.001669	-0.050919	0.03145677	160	0
0.33423546	-0.152376	0.07144372	0.24657189	0.09873183	4.86	0
0.27706889	-0.1324459	-0.2973717	-0.62924	-0.5210182	35.79	0
-0.4427574	0.31410795	0.99544581	-0.0896838	-0.0157526	0.77	0
-0.4462931	0.7365499	0.18170749	-0.0996734	0.07416852	147.2	0
1.0293404	0.08850381	0.78244184	0.36088797	0.27917274	0.76	0
0.43230494	-0.0839947	-0.1413635	0.25146645	-0.0099771	1	0
1.02323625	0.66626248	-0.0809599	0.05620038	0.02396242	71.73	0
-0.4127622	0.23843714	0.28037695	-0.0138523	-0.008096	20.07	0
0.61335588	-0.1843025	0.40375416	0.09852149	0.1338919	59.9	0
0.50944545	-0.2600929	0.04196079	0.26017735	0.11231536	2.69	0
0.97610018	0.68437873	-0.106141	0.04094672	0.27943252	160	0
-0.0194254	0.34435971	0.40224296	-0.042749	-0.2840248	158	0
0.19509862	0.33828819	0.03595378	0.02329424	0.01393647	7.49	0
0.15817962	-0.0943109	-0.7397762	0.04186393	0.05645403	75.08	0
0.33419003	-0.3112272	0.05443129	-0.4481064	-0.4656753	229.9	0
0.41024324	0.46074279	-0.2516607	0.04801315	0.0515774	99	0
-0.3350646	-0.0183974	-0.5439304	0.10126136	0.01920504	23.97	0
0.42836404	0.11153311	-0.2441607	-0.0369646	-0.0997489	78.03	0
0.41235925	0.32374262	0.48939787	-0.0737315	0.03335497	158	0
-1.8319526	0.40104469	-0.4033858	-0.0468052	-0.0971878	1	0
0.01565442	0.29683978	0.49539627	-0.0858701	0.0174582	158	0
0.07100371	0.50715454	0.08303462	-0.3582807	-0.44372	160	0
0.92827538	-0.2054624	-0.320205	0.07600505	0.14188502	21.29	0
0.30836387	-0.1659692	0.04035631	-0.1640677	-0.2055253	9.57	0
-0.0592452	0.11618622	-0.4778032	0.02522898	0.01843318	37.85	0
-1.4228361	0.28524099	-0.4358326	0.00871582	8.62E-05	64.94	0
0.99207492	0.36976166	0.11047913	-0.028115	0.01166393	0.99	0
-0.9592106	0.39765669	-0.2143059	0.08750936	0.00742572	30.33	0
0.0842604	-0.1958844	-0.2143895	-0.2036617	-0.525916	1	0
0.24890728	0.62489327	-0.28421	-0.0200719	0.04042266	224	0
-0.3039731	-0.0084527	-0.6817715	-0.0391375	-0.1003091	55.94	0
0.613066	0.45938171	-0.6024415	0.02739952	0.09013292	367.2	0
0.93490524	0.01683992	0.09056431	0.122614	0.02798457	1.29	0
0.10054815	0.5668678	0.00773386	-0.0323453	0.01977789	160	0
0.08944711	-0.1559043	-0.1319606	0.27004021	-0.0216559	1	0

0.49148803	-0.4052137	-0.2231753	-0.1863718	0.27076085	1376.13	0
0.99394586	0.24899335	-0.2375548	-0.3266766	-0.4035933	213.87	0
-1.7262315	0.07275078	-0.1794141	0.23707137	-0.2386694	106.77	0
0.38827778	0.1823281	-0.0443922	0.07471667	0.044423	51.5	0
0.77716265	0.48967522	0.40312162	-0.036563	0.02144856	36.29	0
0.1309812	0.69614198	-0.0442913	0.05955233	0.2714032	160	0
0.16275904	0.23402145	-0.0099639	-0.0439654	-0.0318016	160	0
0.13768078	-0.2464885	-0.1226068	0.35272707	-0.0249135	1	0
0.19110584	-0.208352	-0.1336643	0.15161012	-0.0732277	1	0
0.12646332	0.08820515	0.4167207	0.00890793	0.0284018	29.54	0
0.55276967	0.17409433	-0.0389767	0.08224854	0.03516608	50	0
0.21699889	-0.3032704	0.05879807	0.15513586	0.10110035	6.36	0
-1.2485246	0.10721812	1.08708876	-0.7541073	-0.3355919	53.02	0
0.06581037	0.65070229	0.00131853	-0.0558565	0.01781805	160	0
-0.399687	0.60535632	0.3295438	-0.1663397	-0.2383881	135.19	0
0.46329021	0.38668387	0.48316417	-0.0615708	0.03735011	158	0
-0.0386745	0.18604809	0.10199577	-0.0418964	0.00251058	0.99	0
0.05470932	-0.0720698	-0.1383759	0.246529	-0.0236158	1	0
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0.99424221	0.25816939	-0.4301454	-0.0722318	-0.0592936	318	0
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0.0529737	0.64245869	0.00223644	-0.0571095	0.01730962	160	0
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0.00127083	0.44429336	-0.0745404	-0.0132179	0.01479477	19.49	0
0.04187266	-0.0803134	-0.137458	0.24527596	-0.0241242	1	0
-1.4182635	-0.2091905	0.04285035	0.11243193	0.15838674	198	0
0.00642159	0.67512714	-0.1928326	-0.039786	0.04941301	87.75	0
0.0051678	0.71952494	-0.0562857	-0.0311982	-0.01216	24	0
0.59710384	-0.5547553	0.31192357	-0.057622	-0.077744	71.17	0
0.03514682	0.09251777	-0.1094967	0.38182207	-0.1305137	160	0
0.36427076	-0.2537845	0.07931017	0.26352416	0.10054626	7.15	0
1.03539899	-0.0833198	0.7194023	-0.6343683	0.02951825	0.38	0
0.06206831	-0.0070297	-0.129889	0.28212639	-0.0719631	1	0
0.50963511	0.61590653	1.04446143	-0.295658	0.82380689	144.14	0
0.20540634	0.40091905	1.10646149	-0.0431868	-0.0008263	6.23	0
0.51458023	-0.0440598	-0.311318	0.32113381	0.09591196	10.99	0
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0.13932955	0.24568149	-0.5350822	0.05758767	0.02379658	66.6	0
0.48434942	0.23505998	1.06705489	-0.0632205	0.01503307	27.99	0
0.39893793	-0.2644113	-0.4707551	-0.2629262	-0.0696436	13.99	0
1.05474635	0.27509185	0.91909823	-0.0696487	0.00402158	9.99	0
-0.816779	0.58281845	-0.2296597	0.12305452	0.02960876	50	0
0.41564131	0.3125724	0.48998539	-0.076079	0.03273437	158	0

0.37409592	0.42472056	-0.0681951	-0.1605488	-0.2142575	82.25	0
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0.37735379	0.25249567	0.08976515	-0.0168854	0.03455899	8.99	0
0.45282633	-0.0223501	1.10510981	-0.0048079	0.03950605	64.2	0
0.1002517	0.3481162	-0.4218483	0.07612607	0.04823338	90	0
0.56764097	-0.1641168	0.30687149	-0.1638079	-0.2690502	158	0
0.03168212	0.62640843	-0.3288667	0.03511859	0.00466107	4.73	0
0.03624639	0.83493087	-0.2916262	0.03546811	0.09544281	1	0
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0.31300666	0.3595734	0.51478968	-0.0088413	0.02115802	113.02	0
0.47533069	0.38008882	-0.5803465	0.00713802	0.01842588	17.79	0
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0.59558561	0.03233346	0.90764968	-0.054028	0.01646295	75.46	0
0.03620693	0.38634339	0.01915593	-0.0486562	0.05012753	239.02	0
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0.0730855	0.68563717	-0.0785737	-0.022481	-0.0028498	60	0
0.37084491	0.021512	-0.4553933	-0.0250805	0.10116807	410.49	0
0.50880995	0.13693556	-0.521402	-0.0433144	0.02448756	49.99	0
-0.0442993	-0.0931782	0.97534564	0.14618585	-0.2470237	76.48	0
0.08201703	0.21216344	-0.4169055	-0.2840212	-0.3702957	13.99	0
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0.14496047	-0.3603558	0.22301239	-0.0545536	0.16783311	9.75	0
0.4098707	-0.2762172	-0.2197632	0.49463229	-0.0603111	24	0
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0.05338106	0.34346293	0.49077871	-0.0768622	0.02041756	158	0
1.03485922	-0.0807678	0.72303018	-0.5856541	0.11556028	1.53	0
0.06150114	0.60604499	-0.3124425	0.02446134	0.01972187	45.42	0
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0.39753202	-0.1240751	0.33904124	-0.1637226	-0.2621243	158	0
0.10210435	0.00366841	-0.176836	0.08630116	0.11813863	10.91	0
0.16490275	-0.1581437	-0.7864417	-0.1596502	-0.294814	65	0
0.48704899	-0.1743039	0.04832775	0.04944625	0.00324589	9.99	0
0.46282685	0.83214495	-0.3018325	-0.0141282	0.04943436	189.25	0
0.42784917	0.14938172	0.38178052	-0.0158105	0.0409779	80.65	0
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0.03231152	-0.8859355	-0.0251628	0.10072664	0.10599189	1.98	0
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0.6252823	0.40934106	-0.1684366	-0.0292645	-0.0602598	62.57	0
0.98195523	0.48315326	-0.6990415	-0.3452025	-0.0678753	60.2	0
1.039655	0.41300892	0.33177208	0.01879122	0.020935	11.5	0
0.57806287	-0.2915233	0.29616456	-0.1396234	-0.2535524	158	0
0.54528418	0.20866063	-0.4977448	0.0114239	0.07497786	251.35	0
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0.49724133	-0.0177962	0.98818562	-0.0304588	0.03342325	100	0
0.00833875	-0.0682769	-0.1386304	0.35841044	-0.2032486	4	0
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0.0931373	0.41575773	-0.5168173	0.08268307	0.03929234	67.23	0
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0.39349612	0.33206228	-0.066378	0.01385823	0.02538194	0	0
0.47399018	-0.2750638	0.82860959	-0.0762682	0.07645343	44.22	0
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0.10280851	0.12583492	0.93205192	-0.0558406	0.02108165	118.98	0
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1.05773032	-0.0995986	-0.6162619	0.09422849	0.04154597	9.99	0
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0.35728591	0.12221317	-0.4197063	0.03278419	0.04342898	84.68	0
-0.7444202	1.1603469	-0.6144716	0.03827386	0.00119259	65.3	0
1.05507246	0.18541509	-0.1774302	0.13721091	0.12000803	7.42	0
0.22174158	0.08317333	-0.0526499	-0.47325	-0.485891	12	0
0.35380471	0.03437526	-0.6088067	-0.2096721	0.03448054	0.99	0
0.29851117	0.52916101	-0.004023	-0.034051	0.02121713	160	0
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0.00562897	0.35515657	0.1050247	0.01654351	0.03050816	68.02	0
0.11559179	0.14618433	0.97467102	-0.0438912	0.00948429	8.65	0
1.0042231	-0.1917238	-0.492483	-0.0729772	-0.0546224	36.03	0
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0.44744466	-0.684042	1.11444896	-0.1940531	-0.1343601	10	0
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0.27067779	-0.0996563	0.06340208	0.0355133	-0.1375439	9.99	0
0.72962846	0.35009257	0.22777877	0.07127107	0.05228783	75.84	0
0.37922347	0.16993811	-0.2790355	-0.0137556	0.06274102	154.99	0
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0.07033965	0.00352292	-0.1876251	-0.1077152	-0.6152118	160	0
0.4221016	0.13379523	0.10053992	-0.0060282	0.02135432	3.59	0
0.42030798	-0.0167018	0.28705066	-0.1177139	-0.0944223	158	0
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0.44915228	-0.1949939	0.26155862	-0.065622	-0.1005011	1	0
0.08690868	-0.0779486	-0.2115897	-0.2618249	-0.5337914	1	0
1.01187361	0.87891762	-0.3307787	0.01798752	0.01923271	47.31	0
0.46017825	0.0959819	-0.2036063	0.32678248	-0.4106382	4	0
0.33939624	0.20752481	0.09486264	-0.025043	0.0308161	4.49	0
0.08272127	0.01692688	-0.1039993	0.40658632	-0.1280454	160	0

0.45555332	0.16857407	-0.1971637	0.30399263	-0.4110704	1	0
0.36357411	-0.65973	0.11020359	0.07379244	0.10574116	30.38	0
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0.19621458	0.64715058	-0.6520612	-0.3474164	-0.1762047	276.93	0
0.10964276	-0.0826206	-0.1243915	0.30689064	-0.0694948	1	0
-0.2887937	0.03689669	0.30624136	0.17533543	0.06098421	11.89	0
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1.02493651	0.11646913	0.19986338	-0.2891567	-0.2189373	15.09	0
0.41764291	-0.7158841	-0.6789122	0.19028247	-0.2348551	3.19	0
0.1770863	-0.0087977	-0.1069363	0.24704241	-0.1623074	160	0
-0.474016	0.93093531	-0.2405835	-0.0154029	0.00029633	1.99	0
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-0.9660508	0.75771115	0.43135598	-0.0498368	-0.0164036	0.78	0
-0.6925043	-0.8038381	0.07091946	0.44761288	0.18893584	0.75	0
-0.2171222	0.38129522	-0.2563353	0.0108823	0.05114449	79.9	0
0.19359623	-0.0901661	-0.1309213	0.09262212	-0.0807565	1	0
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0.0844249	-0.1056918	-0.2221343	0.42507723	0.20345449	13.99	0
0.1084496	-0.760105	-0.3881243	0.45934662	0.22931511	2.69	0
-0.0941982	0.52429394	-0.364814	0.22755544	0.07869912	1.49	0
-0.2897344	0.10304952	0.31251809	0.16804559	0.05324225	26.21	0
-0.4532291	0.39813934	0.95802606	-0.2014995	-0.1201162	115	0
0.646932	0.18521104	-0.1654226	-0.9310962	-0.4613179	186.96	0
-0.241894	0.57493614	0.03091282	-0.0397987	0.01431781	160	0
0.95291004	-0.8096145	0.91978405	0.08157457	0.16311618	93	0
-0.4981547	0.78003785	-0.2317945	0.06221045	0.054007	66.21	0
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0.67196647	0.50449938	-0.0058506	-0.031914	0.03403256	160	0
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0.66086542	-0.2182727	-0.145545	0.27047144	-0.0074013	1	0
0.36602435	-0.7250453	-0.4310332	0.33649884	0.28114675	15	0
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0.44521787	0.49140627	0.01041875	-0.0402126	0.02945727	160	0
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0.97362781	0.05028752	-0.3115909	0.12514488	0.15078847	17.77	0
-0.7063759	0.04594817	-0.2162068	0.01006743	-0.0895108	6.54	0
0.43411682	-0.2313659	-0.1292757	0.26217291	-0.0119765	1	0
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-0.3479698	-0.2261037	-0.1517145	-0.0524116	0.04432697	34.13	0
0.39224944	-0.1601906	-0.4626598	0.03104438	-0.1425524	9.99	0
0.60630606	0.15298781	-0.2612668	0.12611342	0.05499966	20	0
0.42149331	0.69516373	-0.3384335	0.0070987	0.03407924	71.87	0
-0.0169941	0.27315843	-0.2549561	0.03880031	0.04686546	39.8	0
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0.60609256	0.59716912	-0.0332663	-0.0514573	0.02432818	160	0
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0.26603784	-0.4470615	0.3407003	0.00195371	0.06910444	43.54	0
-0.1259262	0.27673881	0.12627429	-0.0310408	0.01341127	1.29	0
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0.57589913	-0.0601678	-0.1780334	0.19557751	-0.0055365	160	0
-0.040621	-0.1321356	-0.0452071	0.16379873	0.13881273	6.28	0
0.60556838	-0.0882789	-0.1761889	0.22825165	-0.0293725	1	0
0.5879361	0.07149676	-0.1535066	0.26247051	-0.0810601	1	0
-1.1193962	0.3029993	0.45403695	0.18755422	0.03333771	5.49	0
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0.07101941	-0.0921235	0.39638594	-0.0872308	-0.1505298	4.29	0
-1.7335171	0.3649772	0.21170114	-0.0086567	0.00113752	2.28	0
0.3731655	0.25080748	0.09109078	-0.0162557	0.0328527	0.89	0
0.36654004	0.81648418	-0.457648	-0.1720504	-0.1332019	9	0
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0.36501288	0.19832148	0.09636859	-0.0327402	0.01786588	1.98	0
0.94061778	-0.0783116	-0.3539759	-0.2751869	-0.0386473	34.15	0
0.13344767	0.55260566	0.02885439	-0.0372114	0.02728121	160	0
0.25083737	-1.2963698	-0.8022586	0.1057327	-0.1804647	102	0
0.3535359	-0.1765223	0.07438216	0.13253901	0.0583104	17.99	0
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0.8435508	0.74626744	0.80138692	3.85204564	4.15793357	7712.43	0
0.37117119	-0.4311514	0.74424058	-0.0618645	0.03208447	85.79	0
0.24231526	0.61235625	-0.3448489	0.03619115	0.01082808	21.52	0
0.11777687	0.67982388	-0.0426751	0.05639957	0.27036742	160	0
0.4161675	0.47515904	-0.0849408	-0.1370013	0.00024812	73.66	0
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1.02369981	0.30817178	0.25642542	0.14988868	0.18167746	14.93	0
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0.36671358	-0.1902175	-0.3771952	-0.1394834	0.21304443	1127.78	0
0.12694547	-0.2280149	-0.1257981	0.28361214	-0.0223053	1	0
0.12447646	-0.2628066	-0.1209907	0.34957431	-0.0259493	1	0
0.38127193	-0.3478893	0.08022693	-0.1283942	-0.0494839	149.79	0
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0.13074582	-0.2865119	0.35540965	0.42511406	0.04396242	33.62	0
0.56394703	0.46521514	0.11908939	0.02320734	0.021013	11.95	0
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0.07839816	-0.0636625	-0.3480229	-0.4274735	-0.0217422	30.89	0
0.7125622	-0.373682	0.14859587	-0.1717629	-0.1598853	38.99	0
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0.3548121	0.3196413	-0.2680044	-0.0165607	0.11289376	474	0
0.18687121	-0.5057805	-0.0855658	0.05408288	0.1297123	1.98	0
1.00106258	0.57369326	-0.3936106	0.07464827	0.03156682	9.99	0
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0.02659093	0.06876429	0.37833501	0.2671792	0.19626381	5	0
0.02813664	0.21480301	0.31655526	-0.0042917	0.02151039	64.99	0
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0.53778669	0.21967612	0.98133836	-0.0896022	-0.0051213	30	0
0.48296485	0.09769392	-0.244745	-0.061705	0.06941222	15.98	0
0.49443076	0.25329398	1.0220606	1.01792446	0.77258915	41.36	0
0.07172214	0.35396714	1.0710785	-0.102511	-0.0061573	49.57	0
1.01899035	-0.6263869	0.12093123	0.20561762	0.50569684	17.99	0
0.17893185	1.09010997	-0.2981974	0.08571817	0.29953148	838.2	0
-0.8352518	0.84736695	-0.0812191	0.13423071	0.20868742	52.52	0
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0.34101902	0.20866021	0.07521654	-0.0287401	0.01006572	1.29	0
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0.33713796	0.76665684	-0.3091321	-0.0363444	0.02063175	118	0
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0.41389632	-0.2335787	-0.3599346	-0.2164629	0.10440768	11.03	0
0.50575107	-0.3226285	-0.371348	0.23370464	-0.0072343	24.56	0
0.10711169	0.24656022	-0.3092897	-0.5109633	-0.3499763	25.3	0
0.10711169	0.24656022	-0.3092897	-0.5109633	-0.3499763	25.3	0
0.09353214	0.01129284	-0.5033954	-0.4381893	-0.3467308	43.8	0
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0.52815267	-0.2362463	0.03961054	0.26422875	0.11388963	3.99	0
1.05884367	1.0348427	-0.6816328	0.07914789	0.01317754	11.76	0
0.45569803	0.1017322	0.37801263	0.39672989	0.22788355	5	0
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0.33583181	-0.259691	0.08472046	0.12970445	0.03648888	17.99	0
0.0447741	0.35027155	-0.5122308	0.0684636	0.03775746	80.51	0
0.41651033	-0.3615135	-0.3475468	0.18518658	0.15872514	20	0
0.54580185	0.30262219	-0.2592972	0.05935102	0.05347717	123.02	0
0.67286376	-0.4872042	0.29683204	-0.0522288	0.17677597	11.37	0
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0.3628931	0.37273882	-0.4282654	-0.1950586	0.08016729	0.99	0
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0.5461833	-0.226429	0.26833488	0.40480061	0.23248249	5	0
0.38210428	-0.3979661	-0.7013812	0.05318296	0.14564621	4.99	0
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0.54183216	-0.1545758	0.27477108	0.38299489	0.23080264	1	0
0.52896989	-0.2071935	-0.16488	0.23516435	-0.0222845	1	0
0.55343255	-0.1234458	0.38551759	-0.3569097	-0.1608217	5	0
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0.42310715	0.35120941	-0.2901295	-0.0203971	0.07586115	329	0
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0.22742128	0.041106	0.94915387	-0.0568623	-0.0013887	10.09	0
0.60962277	0.73857414	0.04622394	-0.024046	-0.0027761	30	0
0.65879316	0.37454012	-0.2623561	0.00834919	0.03804791	137.7	0
0.20683049	-0.5365639	0.7144097	0.16661979	0.10820812	1.44	0
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0.29384019	0.15052815	0.08103114	-0.0399243	0.00629687	0.89	0
0.26314355	-0.6381758	-0.0359847	-0.1809786	-0.3242534	13.99	0
0.07661181	0.40195761	-0.2429856	0.06959467	0.03994189	95	0
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0.09412703	-0.4289456	0.73963481	0.17664998	0.12122986	8.65	0
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0.50468399	-0.2777145	0.27341419	0.39489193	0.2292272	5	0
0.51839789	-0.6212573	-0.0198011	-0.0229049	-0.0712449	27.83	0
0.38326139	-0.2690541	-0.3547243	0.05038663	-0.1518961	38.09	0
0.50033285	-0.2058613	0.27985039	0.37308621	0.22754735	1	0
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0.54656277	0.1800247	0.06246254	-0.0287746	0.01221697	1.98	0
0.91960672	-0.1904165	-0.6197664	-0.054579	-0.136395	13.99	0
0.53712111	-0.2017947	0.04101687	0.14240526	0.05142818	1.04	0
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0.17440893	-0.3052815	0.068049	0.25345879	0.15859571	4.49	0
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0.42568683	-0.0349667	0.30373126	0.62338435	0.36563668	5	0
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0.4211147	0.03727233	0.3100912	0.60041706	0.36444504	1	0
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0.99729413	0.05356511	-0.3357357	-0.6428413	0.20998022	6.54	0
0.36380483	-0.7258494	-0.6862074	0.18440614	0.26322511	4.38	0
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0.07424516	0.62917086	-0.3168213	0.02696753	0.02470038	63.65	0
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-1.4167449	0.05855053	0.39847123	0.3716409	0.20846448	1	0
0.61706286	-0.9948656	0.75827209	0.12847447	0.17582416	37.73	0
-0.1652539	-0.1896348	0.71383169	0.04651376	-0.2625549	2.31	0
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0.51312171	-0.411221	-0.2797794	-0.0287934	0.04367184	17.39	0
1.04312351	0.58757455	0.90912714	-0.0627717	0.12145425	14.9	0
0.66318522	-0.2010865	0.05138303	0.24691254	0.10186938	1.78	0
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0.11099415	-0.1371281	-0.1645929	0.17558612	0.22465948	2.46	0
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-0.2704278	0.27080767	-0.1260406	-0.0171687	-0.1479957	104.48	0
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1.08653367	0.22935765	0.93871494	-0.0653518	0.03877611	187.95	0
0.32987758	0.65841024	0.07445548	-0.0545337	0.00734904	12.33	0
0.61382463	-0.1710968	-0.2614698	0.19465831	0.29447114	4.49	0
0.02007204	-0.3061876	0.76507472	0.04966996	-0.1943713	48.76	0
0.47263783	-0.1703398	0.69872504	0.50543332	0.17997171	15.38	0
0.6938724	0.36347451	-0.2669531	0.03768923	0.05205629	102	0
0.82084352	0.80578204	-0.6230728	0.10074702	0.03402137	22.74	0
0.882624	-0.3688547	-0.7260798	-1.9088101	-0.2179781	11.84	0
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0.00407139	-0.8760363	0.44453742	-0.065031	0.02499677	126.85	0
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0.47740191	0.84525458	-0.0903288	-0.0191384	0.00549736	15	0
0.38480822	0.33886839	0.37393535	-0.056214	0.01877498	74.22	0
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0.69059673	-0.2400543	0.0511975	0.26537119	0.12413546	2.69	0
-0.0054366	-0.0061632	0.36810573	0.04103554	0.11629404	5	0
0.37604135	-0.2178324	-0.1065026	-0.328117	-0.0988086	11.72	0
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0.43978895	0.07333353	0.21293161	0.58603015	0.19673919	333.84	0
-0.2864835	0.11320294	0.2454704	0.00822034	0.00974897	3.23	0
-0.5041173	-0.6476404	0.10858285	-0.2328844	-0.1695563	1.98	0
-0.239734	0.31710238	-0.0071951	0.05512785	0.0140878	37.1	0
0.01851115	0.01552128	0.38207605	0.2760982	0.14925082	5	0
0.62843236	-0.8053428	-0.2450149	-0.4411326	-0.8876929	16	0
0.54912078	0.16575306	-0.4529739	-0.0007095	0.03340584	102	0
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0.34357256	0.01808573	0.36658896	0.38267945	0.21416557	5	0
0.45047654	0.24625033	-0.1897214	0.28656958	-0.4149964	4	0
0.04390743	0.60882076	-0.3091124	0.02773359	0.01554923	23.84	0
0.1012137	0.34864921	0.29801687	-0.015217	0.01255963	32.52	0
0.44578403	0.3189605	-0.1833021	0.2634245	-0.4152792	1	0
0.09194834	0.65727006	-0.3129994	0.038085	0.01673869	13.84	0
-0.927246	0.45449182	-0.6382084	0.26202064	0.0343288	96.39	0
0.03224255	-0.2208797	0.1003773	0.26377262	0.09589754	3.99	0
-0.5280046	0.15143187	-0.4403991	0.00266236	0.04212577	152	0
0.50020639	-0.1703069	0.28193597	0.60492583	0.35247013	5	0
0.49563425	-0.0980679	0.28829591	0.58195854	0.35127849	1	0
-0.4338952	0.63677102	0.19996786	0.02501464	0.02280173	22.74	0
0.46749209	0.53575576	0.66871061	-0.0363322	0.01086091	27.83	0
0.04450042	-0.1097781	-0.2785858	0.14614611	-0.0341717	5.99	0
0.45242216	-0.0794633	0.50122268	0.20356508	0.10305633	1	0
0.40419323	0.27567505	0.31455185	-0.002507	0.02226198	16.8	0
0.01028375	-0.1307906	-0.2352535	0.29110742	0.1258795	18.42	0
0.56572043	-0.1330428	0.11157669	-0.3915959	-0.1658537	84.39	0
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-0.04003	0.05210768	0.13322053	-0.024147	0.02152509	1.29	0
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0.0697461	-0.2840594	-0.3389478	0.14316937	0.00389141	6.28	0
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0.52095605	-0.1446642	0.27939631	0.60988017	0.35409778	5	0
0.45789595	-0.2387747	0.74988926	-0.1121305	-0.071181	5.37	0

0.05603833	0.29627071	-0.1600138	0.00712716	0.02332816	6.45	0
0.51638391	-0.0724251	0.28575625	0.58691288	0.35290614	1	0
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0.1400055	-0.597513	0.97292342	-0.141463	-0.1731374	91.78	0
0.7589701	-1.0663155	0.72557661	0.1719161	0.21994796	85.11	0
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0.34467937	0.03880893	0.11017761	-0.0241902	0.0150073	1.98	0
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0.10758158	-0.4801106	0.93498591	0.12386797	0.11310572	3.6	0
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0.49606031	0.40359022	-0.5525721	-0.0013953	0.03577957	121.49	0
0.3375044	-0.2371303	0.63622743	-0.0071505	-0.4347793	1.54	0
0.08715649	0.1427857	-0.0655396	0.08285217	0.02604519	25.6	0
0.32078053	-0.0450608	0.62601364	-0.0834794	0.00898432	21.95	0
1.01016387	0.89115191	-0.327225	0.02428324	0.01343111	13.99	0
0.29791065	0.37426487	-0.3526137	-0.9788366	-2.7385665	11.05	0
0.16151671	-0.8333773	-0.0525466	-0.1615324	-0.022046	15.98	0
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0.5720371	0.43629902	0.33630593	0.32575126	0.02960852	5	0
0.55139934	-0.02466	0.25362904	0.37184037	0.08799847	1	0
0.38808313	-0.0738318	0.30799777	0.61572506	0.36306651	5	0
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0.38351099	-0.0015928	0.31435771	0.59275777	0.36187487	1	0
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0.05474628	0.2255521	-0.0593106	0.05524265	0.02881534	0	0
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0.07017066	0.00756984	0.24504545	0.26188583	0.0932026	0	0
0.38748676	0.21283835	-0.3697608	-0.0725515	-0.0105851	4.99	0
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0.07562423	0.16859399	0.26068627	0.44266618	-0.0310146	513.72	0
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0.39531713	0.24337803	0.0923235	-0.0241853	0.02062256	1.98	0

0.89682177	0.40391322	-0.5860504	0.01964527	0.03241336	7.69	0
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0.36752097	0.31521965	-0.2541965	0.06019515	0.05064605	62.64	0
0.09104582	0.03574277	-0.2377004	0.59324955	0.1694606	12.94	0
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0.44645619	-0.2346466	0.03953943	0.12209313	0.06645306	8.98	0
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0.52979144	-0.110249	-0.343246	-0.007519	0.22984329	0.89	0
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0.7238065	0.51318116	-0.117061	0.15394012	0.01098322	306.59	0
0.25239473	-0.1655982	-0.2829864	0.26118604	-0.0261266	18.29	0
0.63275794	-0.1397796	-0.2692556	0.08900057	-0.0251772	64.61	0
0.51631648	-0.1081847	0.27662517	0.00625852	0.14468105	5	0
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0.46243699	0.34697814	1.07909518	-0.0375847	0.00758944	12.95	0
0.30268318	0.09389833	0.16233281	0.04090806	0.10861259	265.42	0
0.33020222	0.33063081	-0.1900312	-0.020902	0.03107293	41.71	0
0.7536879	0.50644911	0.12520254	0.03141233	0.03622024	22.74	0
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0.02762082	0.57077879	-0.1950155	0.04518542	0.07128396	46.08	0
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0.37324262	0.02057976	0.36614937	0.12248374	0.22751521	5	0
0.59250515	0.37838699	0.08012435	0.02482061	0.02475778	68	0
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0.39482498	-0.2524331	-0.3152174	-0.1725952	-0.3391902	84.24	0
0.45967987	0.47992903	0.26263591	-0.0202927	0.01950911	31.62	0
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0.01894646	-0.1773388	-0.2624099	-5.3362894	-1.406064	19.69	0
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0.00230268	-0.6168568	0.17169919	0.3029572	0.16952242	2.68	0
0.33912032	0.09236134	0.37343007	0.36369949	0.21049912	5	0
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0.36624939	-0.0342334	0.4248041	0.22255484	0.14233062	5	0
0.38419757	0.3840647	-0.2786471	0.02614212	0.0346376	96.82	0
0.35714751	-0.1283536	0.30098275	0.27175116	0.24773123	1	0
0.36922333	-0.1404558	0.30857202	0.37803289	0.23627486	1	0
0.53210096	-0.1479412	0.23207947	-0.325921	-0.073754	5	0
0.01187268	-0.0237999	0.30531885	-0.0217326	0.1456048	5	0
0.52638054	-0.2244321	0.21117013	-0.3309328	-0.0562366	1	0
0.00621535	-0.1004009	0.28443128	-0.0264128	0.16298273	1	0
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0.42054993	-0.0395838	0.30670185	0.42781661	0.24961486	1	0
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0.53814161	0.4523294	-0.5694553	0.07406433	0.02383459	6.46	0
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0.61822447	0.09342682	0.08891791	-0.0083544	0.02280229	4.49	0
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0.3340614	-0.1600252	0.07177852	0.24512842	0.09833602	5.35	0
0.51261124	-0.0770875	0.28621801	0.58601209	0.3526102	1	0
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0.34416054	1.19822847	0.9744724	-0.1445256	-0.0278998	104.49	0
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0.59037038	-0.0142147	0.34461559	0.28490574	0.15735987	5	0
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0.39004574	-0.1597202	-0.3529461	-0.1596474	0.26960976	6.99	0
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0.58785843	0.05745013	0.0929959	-0.0148805	0.01980798	0.89	0
0.52703487	-0.2401894	0.02806718	0.13407959	0.10757431	7.17	0
0.3736834	-0.0788186	-0.4881312	-0.2804323	0.07667506	9.99	0
0.44340086	0.13721854	0.35319	-0.3341811	-0.1146041	15.94	0

0.51378456	0.04438228	0.34479784	-0.0187917	0.13040813	5	0
0.05995521	-0.0645492	-0.4000351	0.30023043	-0.0027934	88.4	0
-0.5980433	0.40820907	-0.1134504	0.08563588	0.01188733	24.57	0
0.07343846	-0.0408292	-0.396062	0.33688934	-0.0911985	32.79	0
0.0606061	0.06998467	-0.3875415	0.29602132	-0.0951256	18.78	0
0.46726901	0.13346517	0.90022759	-0.0697664	0.01398312	19.99	0
1.01150147	0.31663871	0.41054134	0.40771026	0.22275852	5	0
0.40973609	0.50949122	0.14782955	0.0221216	0.03189022	30.08	0
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0.20532117	-0.3223904	0.07065711	0.27759635	0.10967265	5.35	0
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0.07054658	0.13466918	0.9061375	-0.074984	-0.0027496	7.69	0
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0.53062376	0.4983512	-0.350527	0.2356963	0.05688524	83	0
0.06044932	0.15131005	-0.3782898	0.31465966	-0.1203043	62.34	0
0.10168592	0.70370749	-0.235897	0.07652406	0.17477167	1	0
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0.73727391	-0.3529043	0.71045221	-0.0375212	-0.0758894	1	0
0.63725049	-0.4851461	0.79817117	0.13139766	0.14912256	23	0
1.02603192	0.29764463	0.404274	0.37282535	0.21496095	5	0
0.21040256	0.08457854	0.11232611	0.05135931	0.02977436	12.14	0
1.02864863	-0.1091763	0.71481144	0.30708333	0.0667577	2.31	0
1.00233025	-0.2580091	1.31698345	-0.1792043	0.14773794	17.99	0
0.73448855	0.6880982	-0.3645974	0.02104727	0.02567666	24.61	0
0.3783125	-0.2702017	-0.332615	0.15528087	0.16867657	15.62	0
0.28728285	0.33233864	0.50540032	0.00598877	0.01575222	59.9	0
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0.14370028	0.77351784	0.01910724	0.5430455	0.25853567	80	0
0.34312765	0.22112013	0.09439112	-0.022189	0.03094405	1.29	0
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0.57549074	-0.3832063	-0.4298968	0.44692883	0.32435465	18.16	0

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0.39285154	-0.0101235	0.80527844	0.31492763	0.38348487	29.57	0
0.12109529	0.14463428	0.93103699	-0.051015	0.02063294	110.14	0
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0.48559041	0.05272891	0.30196441	0.53941615	0.34782855	1	0
0.41698739	0.36405388	-0.1414194	-0.1337603	0.13884594	770.97	0
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0.38213165	0.41602382	-0.4099577	0.07146894	0.04032037	20	0
0.50634006	0.07837164	0.29942476	0.54437049	0.34945619	1	0
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0.5025674	0.07370932	0.29988651	0.5434697	0.34916026	1	0
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0.26188408	0.30915287	0.26320097	-0.0180691	0.01034712	57.19	0
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0.31922584	-0.0726508	0.91999668	-0.0604901	0.03875632	215.58	0
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0.0373018	0.16801132	0.85211428	-0.0946691	-0.0109801	0	0
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0.41853864	0.1346414	-0.4168699	-0.2026728	-0.16088	5.49	0
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0.89732301	0.12932477	-0.5938238	0.19617772	0.12883922	359.89	0
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0.17925029	-0.3563321	0.07397321	0.27238875	0.10731277	2.68	0
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0.3706891	-0.5184182	-0.5805217	-0.3927307	-0.7797119	1.22	0
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0.25482472	0.39904064	0.3797343	0.32862915	0.34841428	3.25	0
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1.07997645	0.276279	0.95234404	-0.0412063	0.01652561	60.16	0
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0.60961867	-0.9855476	0.0896931	-0.7133547	0.65306049	3669	0
0.35368497	-0.5163161	0.56590508	-0.003064	0.11364638	58.64	0
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0.09405051	-0.1011953	-0.0799044	0.6145933	0.12734418	1	0
0.33223827	-0.1613602	0.6431137	-0.0291477	-0.4360389	0.77	0
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0.36597562	-0.4434287	-0.5734044	-0.4114249	-0.7823961	1.23	0
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0.15753122	0.58105734	-0.0191188	0.01535849	0.01915121	59.95	0
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0.24729482	-0.3853533	0.27151222	0.33784296	0.20236214	16.94	0
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0.96088004	-0.0003	-0.1864823	-0.1511363	-0.1289564	13.74	0
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0.18123258	0.50773942	-0.3396244	0.01197871	0.01065087	53.81	0
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-0.941926	-0.2769159	1.03706771	0.00120888	0.01772761	174.27	0
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1.00942703	0.51383998	-0.410996	0.04384803	0.05994975	173	0
0.54765134	0.03988912	0.59012674	-0.107255	-0.0009289	25.99	0
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1.02023456	0.2199307	0.42562267	0.03669823	0.07429036	39	0
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0.41555358	-0.1496734	-0.2936264	0.22920805	-0.1895237	23.11	0
0.94611148	0.36978268	0.11064594	-0.0218007	0.0236053	1.79	0
0.73349465	-0.2977526	0.20921645	-0.3009319	-0.1933873	81.98	0
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0.05239459	0.01821411	-0.3252108	0.32759856	0.19976646	70.85	0
0.00362802	-0.3357383	1.20596855	-0.0742801	-0.0896901	29.97	0
-0.3012072	0.14422874	0.35413314	0.01928617	0.007082	8.49	0
-0.0250976	0.04243167	-0.0458736	0.61935118	0.28750866	4	0
0.0002218	0.00028545	-0.2791724	0.00759359	-0.1155564	2.34	0
-0.300178	0.4002353	-0.8436596	-0.0507709	-0.3946242	15.81	0
-0.5104778	0.6454323	0.3006307	0.23798466	0.22543025	44.99	0
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0.21440826	0.08207505	0.09481279	-0.0170363	0.00700996	0.99	0
0.33430857	0.18925174	0.09058242	-0.0340931	0.03853577	49.99	0
0.40681959	0.08713427	0.69059465	-0.0969562	0.02609261	119.9	0
0.09337736	-0.0701663	-0.2246942	0.41218189	0.20968938	44.92	0
0.78960194	0.46214111	0.00510688	0.30381968	-0.0849613	59.18	0
0.36117463	-0.3683108	-0.5663217	-0.4306191	-0.7848625	1.17	0
0.38731099	-0.0558561	-0.4897412	-0.1296788	0.15528541	768.84	0
0.01417167	-0.2407271	0.05486557	-0.0984118	0.14541247	8.91	0
0.29040201	0.0212066	0.09315222	0.65142481	0.36855808	5.85	0
1.07791574	0.29102477	0.95662719	-0.0336182	0.00953304	20	0
0.36920294	-0.6496362	0.06615913	-0.6443027	0.97129103	11.5	0
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0.01533527	-0.1786177	-0.2662439	0.25493226	-0.0309871	13.99	0
0.89147967	0.73024036	0.38401345	-0.0284653	0.03612331	0.76	0

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0.96881246	0.50012104	0.16282949	0.41417413	-0.5865538	34.48	0
0.70336363	0.38806	-0.2987379	0.12685455	0.04838243	25	0
0.11869039	0.30087349	-0.0827093	0.07029077	0.03350856	50	0
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0.22574482	-0.2056994	-0.3120779	-0.1386428	-0.0039338	5.71	0
0.9683232	-0.4765248	-0.0578871	-0.1029113	-0.0236788	30.79	0
0.96363478	0.44173237	-0.3311514	0.01478148	0.02658153	80.95	0
0.97735549	0.15342489	-0.4382725	0.0756097	-0.2578289	44.4	0
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0.34925434	-0.463737	-0.1559753	0.42268377	0.25302516	10.78	0
0.84928232	0.01302503	-0.2409772	0.36115466	-0.1877071	980	0
0.25815545	0.51893221	-0.3466365	0.00132109	0.03631984	155.98	0
0.09744815	0.18860118	0.3082704	-0.027579	0.02629177	95.35	0
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0.73523777	-0.3408567	0.6996755	-0.3023548	-0.1390221	1	0
0.6096004	0.53343291	1.00550747	-0.2381378	-0.0782983	96	0
0.95647919	1.00049027	-0.0935285	1.14942246	0.42691372	20	0
0.34228318	0.58176617	0.0983612	1.57554545	0.76873865	9.85	0
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0.23642029	-0.3004347	-0.3461738	-0.0326461	-0.0084016	70	0
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0.1813692	0.54853745	0.46212322	0.00580709	0.01241765	19.99	0
0.08430591	0.32928476	-0.3546022	0.15574422	0.14145831	9.99	0
0.19484705	-0.0268204	0.8479064	-0.079719	-0.0063424	39.95	0
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0.98319179	-0.9932357	0.09114095	-1.9726927	-0.1483675	6.99	0
-0.4264256	0.17445871	1.07849603	-0.0035308	0.02344079	91.8	0
0.54910613	-0.314992	0.0459243	-0.0082589	0.10630794	0.89	0
0.03895719	-0.1490296	0.36923853	0.33791567	0.19060266	1.69	0
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0.73505139	-0.3288088	0.6896896	-0.5529373	-0.2093212	17	0
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0.18493391	-0.0894793	0.25544545	0.79023235	-0.6160059	0	0
0.70769985	-0.3667266	0.09302204	0.21262056	0.16363112	6.61	0
0.02055477	0.51829705	-0.2192505	0.09262698	0.02511691	24.9	0
0.10363933	0.36561076	0.30503763	0.75067142	-0.6962667	0	0

0.59453407	0.50867425	0.40927555	-0.0237599	0.00221989	9.99	0
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0.09920322	0.51506453	-0.1378409	-0.2834255	0.11307437	1055.12	0
0.0657836	0.58537038	0.44209682	-0.0229901	-0.0033974	6.99	0
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0.99986182	0.25642003	0.74606308	1.01992883	0.54476408	3.84	0
0.32859854	0.345354	-0.3649988	0.10653271	0.03922652	29.5	0
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0.22379423	0.5830814	-0.3395321	0.03276836	0.0050052	0.99	0
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-1.3167238	-0.0550238	-0.6245369	0.25938688	-0.1369956	240.58	0
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0.07563141	0.46315635	0.4522118	-0.0072338	-0.0038885	6.99	0
0.33102469	0.04967979	-0.3319434	0.25067986	-0.3174644	80.5	0
0.33596038	0.19737079	0.07466134	-0.0323019	0.01165899	12.99	0
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0.02602207	0.28357185	-0.5999117	0.03860406	0.02549728	2.97	0
0.03319948	0.47429161	-0.350147	-0.6130686	-0.2293377	79	0
0.99561778	0.65143057	-0.5241667	0.07504741	0.0263615	18.06	0
0.30077473	-0.228997	0.94067467	-0.1197889	0.08843885	500	0
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0.26526023	0.2195964	-0.1583351	-0.3462036	-0.4380327	42.13	0
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0.12827043	0.31515191	0.44002296	-0.0196977	0.01025028	1.69	0
1.04031546	0.05995907	0.39824398	0.07259458	0.11019491	10.12	0
-1.6992823	0.84644464	-0.223232	0.02888126	-0.0101697	21.57	0
0.05800475	0.04011714	-0.2034352	0.26661804	0.12080515	6.49	0
0.7374152	-0.3261983	0.67893143	-0.7985293	-0.2947674	12.99	0
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0.03290139	0.00628266	0.46204979	-0.0111603	-0.235106	79.95	0
0.01615257	0.06317295	-0.2055717	0.13382495	0.0996918	22.19	0
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0.57394361	0.37476572	0.49603445	0.19577342	0.24661585	29.95	0
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0.31653803	-0.1780981	0.07375276	0.23865985	0.09792103	8.9	0
0.38862088	-0.0522365	-0.3168096	-0.0240001	0.5680653	21.5	0
0.38420159	-0.1327045	0.0704331	0.14214176	0.06084806	14.98	0
0.5054662	0.28786995	0.47391833	-0.293797	-1.1089844	1.46	0
0.42117971	-0.3306153	0.66270426	-0.2004712	-0.0969383	96.51	0
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0.66456131	0.54802346	-0.3109902	-0.0526386	0.09087939	431	0
1.03201354	-0.0507641	0.31019334	-0.0671025	0.5073167	34.12	0
0.05518145	-0.194278	0.09767386	0.27032366	0.09730066	1.79	0
0.25032614	0.46628406	0.40385525	-0.0086888	0.09683282	0.76	0
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0.26705214	-0.001703	0.82844644	-0.489351	-0.4833374	1.9	0
0.41284228	-0.0221351	0.22120275	-0.5931708	-0.0611923	26.55	0
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1.099438	0.69972974	1.13686171	-0.0951326	-0.0135751	10.92	0
0.49328434	0.30577063	-0.1894027	-0.0046792	0.01754011	16.25	0
0.82224143	0.02399604	0.89613216	-0.0735215	0.0583832	236.6	0
0.53383856	0.17227626	-0.3077527	0.06248179	0.05232632	96	0
0.47558368	-0.5845613	1.0215528	0.12309572	0.04667121	370.76	0
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0.63714393	-0.4476627	0.34469284	0.44727768	0.22293061	8.34	0
0.61151489	-1.0190509	0.67609148	0.50668899	-0.6149829	642.45	0
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0.76372719	-0.2884606	0.4141973	-0.0427338	-0.0850782	3.79	0
0.35538347	0.20483853	-0.1476839	0.01864045	0.03659114	5.46	0
0.02422106	0.59139868	-0.3050929	0.02626035	0.01127671	7.8	0
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0.35018893	0.37740136	-0.3009523	0.06535397	0.0403188	25	0
0.46017157	0.31008919	0.07818162	-0.032293	0.08560772	375	0
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0.54744828	-0.3661383	0.15153445	0.33503159	0.18558599	0.99	0
0.17028518	-0.0528283	0.34005626	-0.0951568	-0.1506562	12.31	0
0.98640403	0.69456306	-0.4256191	0.0209736	0.02249044	24.99	0
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0.41623327	-0.6940677	-0.4173651	0.44355247	0.2315807	2.24	0
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0.71332581	0.07285687	0.2149804	-0.1852136	0.28243305	49.99	0
0.13286028	-0.1010445	0.22580882	0.04763402	-0.0436904	20.02	0
0.54678051	-0.0600145	-0.1884507	0.44348094	0.16834846	61.22	0
-0.4427415	0.31399412	0.99541275	-0.0897424	-0.0156987	1.08	0
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0.42578223	0.33718734	0.35312363	-0.4442475	-0.4103445	41.1	0
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0.2117364	-0.3063351	0.06954796	0.27382738	0.11256616	12	0
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0.30170429	0.1070047	-0.4960566	-0.0341422	0.04212952	84.27	0
0.32582421	-0.241164	0.07614199	0.2533548	0.11924633	1.98	0
0.54638839	0.57579489	-0.3246478	-0.1955999	-0.1696236	10	0
0.39104967	0.43135503	-0.4100445	0.07561227	0.03931729	9.99	0
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0.21040256	0.08457854	0.11232611	0.05135931	0.02977436	12.14	0
0.44707255	0.77201403	-0.1648124	0.03381034	-0.1879082	177	0
0.34901795	-0.974147	-0.8810772	-0.3637765	-0.1776886	3.99	0
0.98341145	-0.0361225	0.08643734	0.26771908	0.11408873	1.79	0
0.1153457	-0.0053699	0.97448698	-0.0340043	0.01240261	37.73	0
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0.57601623	0.42324964	0.33119209	-0.0122336	0.01495267	56	0
0.42335225	-0.2927901	0.04924483	0.22724373	0.08552845	3.59	0
0.38677621	-0.2572981	0.72554779	0.14321069	0.07515684	38.44	0
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0.39021904	-0.2291813	-0.3406357	-0.1861919	-0.0209592	14	0
-0.4061722	1.01531595	-0.2487618	0.00104744	0.00540553	0.74	0
0.33723991	0.35965817	-0.2022864	0.02573052	0.01753052	5	0
0.36914623	-0.1119072	0.16269317	-0.0521765	0.11647322	49.9	0
-0.7127364	0.3674862	0.06472615	0.00579302	0.06970808	340.53	0
1.0294501	0.13686025	0.30635863	0.29152659	-0.3551714	189.49	0

0.06913564	0.17991345	0.01436129	-0.1900861	-0.1454411	5.36	0
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0.47590745	-0.6941222	1.02518723	-0.0391945	-0.0133005	20	0
0.4429916	0.19911176	0.81061121	-0.5872322	-0.7435712	1.9	0
0.0884942	-0.1307496	-0.2619686	0.13308934	-0.015785	13.08	0
0.05620838	0.17074336	0.12137217	-0.0013073	0.0291916	1.98	0
1.03529097	0.89844309	-0.2922497	-0.0418894	0.05733849	293.44	0
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0.27640549	-0.1912963	0.05483633	0.24044364	0.08867659	1.78	0
0.54169005	-0.1889732	0.04141854	0.27667445	0.07480224	8.99	0
0.21291856	0.15844727	-0.3945265	-0.8843695	0.12810278	5	0
0.35327491	-0.4485594	0.06564474	-0.2043627	-0.0612069	44.1	0
0.41310907	0.23743939	-0.3584288	0.07751675	0.0490195	45	0
0.09712468	0.15892469	1.09311164	-0.0740907	0.03278255	187	0
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0.88232047	-0.5159124	-0.4069687	0.14254197	-0.0963092	107.26	0
0.39630034	-0.4807066	0.15907192	-0.11531	-0.2196492	46.4	0
0.93029942	0.10191002	1.03966857	0.21796903	-0.224318	1	0
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0.97896304	0.20951529	-0.4206524	0.06388345	-0.1226485	134.12	0
0.0067531	-0.1716646	0.08929699	0.32529075	0.1246514	1.29	0
0.70836587	-0.2569319	0.01058725	-0.1361912	0.13685811	9.99	0
0.63555996	0.69649717	-0.2858474	0.02139599	0.02442703	49.9	0
0.44489488	0.75074994	-0.05866	0.1365073	0.30010403	288.45	0
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0.66984159	0.01341586	0.62649091	-0.0002243	0.03435428	59.16	0
0.03499413	-0.0943523	0.39669798	0.00111489	0.04263305	1.79	0
0.32356842	0.24171368	1.0246493	-0.0939315	0.00863496	114.89	0
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0.45391918	-0.044294	0.80992592	-0.1510374	-0.0770167	20	0
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0.66987244	-0.1680502	-0.5956561	0.04552633	0.85174142	0.89	0
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0.1919383	0.36505588	-0.4167146	0.15660158	0.04221448	263.73	0
0.45164986	0.02512466	0.81603761	-0.1668705	-0.0822327	20	0
0.21592141	0.56378504	-0.3453372	0.02243475	0.01505963	58.57	0
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0.52830877	-0.2367813	0.03965201	0.2646813	0.11379504	2.69	0

0.57377768	0.14939828	-0.8779893	0.06528635	0.08995506	136.89	0
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0.16192221	-0.7144936	0.50122708	-0.0354175	0.19499239	12.42	0
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0.94503749	0.53513999	-0.3819921	-0.1264175	0.1528834	624.03	0
0.00717179	0.20663183	-0.2813851	-0.0033202	0.08638528	396.28	0
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0.69123326	-1.240529	0.87051778	0.06017333	0.09166622	37.98	0
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0.12980809	0.01984288	-0.8428592	0.04649355	0.03216063	49.59	0
0.29020267	0.11913	-0.5201883	0.03994814	-0.5649462	1	0
0.46140816	-0.1079746	0.82835882	0.51948018	0.07357125	6	0
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0.22214465	0.19037016	-0.4683118	0.03115342	0.07076032	278	0
0.56554316	-0.5411921	0.01372852	0.22213696	0.07063062	6.24	0
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0.50835663	0.09444136	0.10353935	0.49195719	0.16855931	12.85	0
0.48474782	-0.0165447	0.86695095	-0.0075122	0.01874832	47.93	0
0.04337331	-0.0353123	0.26949282	0.38810596	0.14860136	3.25	0
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0.38091844	-0.2417005	0.07917567	0.18710307	0.09467823	8.99	0
0.27752846	-0.2643469	0.05787348	0.25377596	0.1082127	2.69	0
0.38012563	0.06507819	-0.1112297	0.23115615	-0.805751	143.62	0
0.65893392	-0.0575304	-0.1906677	0.26908623	0.18492719	19.28	0
0.45192914	0.17818336	1.04095014	-0.0047318	0.02160341	8.65	0
0.37717554	-0.0222058	-0.8224968	0.35477172	0.0443522	1	0
0.09625333	-0.0996977	-0.4329156	0.59451348	-0.0106568	487.94	0
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0.68706432	-0.0078705	-0.8559876	0.23206432	-0.0127449	1	0
0.40023258	-0.0502359	-0.829284	0.254425	-0.0142283	1	0
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0.45200356	-0.106871	-0.5231683	0.20650721	0.14854325	1	0
0.43255292	0.42649625	-0.7777011	-0.1563192	0.09471257	1	0
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0.02808893	0.05993036	-0.8695587	-0.0770448	0.09476955	1	0
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0.42286856	-0.022262	-0.8320546	0.25982973	-0.0124527	1	0
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0.42622017	0.03840432	-0.8284996	0.36648198	0.04819937	1	0
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0.41532324	-0.0315866	-0.8311311	0.25802816	-0.0130445	1	0
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0.42306926	0.21382722	-0.8019415	0.26380152	-0.194233	1	0
0.4190959	-0.0269243	-0.8315928	0.25892894	-0.0127486	1	0
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0.39577851	0.6190462	0.14241948	-0.025673	0.02530878	48.59	0
0.44503237	0.17033424	0.82870498	-0.2030993	-0.0912338	20	0
0.72242936	0.74462453	-0.6197758	0.03760221	0.02012147	1	0
0.41112952	0.01975506	-0.8266526	0.36287882	0.04701563	1	0
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0.42433384	0.03607316	-0.8282687	0.36603158	0.0480514	1	0
0.61412478	0.05950871	1.07434081	0.01518332	0.02367492	56	0
0.7153593	0.02709684	-0.8594508	0.23882024	-0.0105254	1	0
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0.73610895	0.05273957	-0.8619905	0.24377458	-0.0088977	1	0
0.30752896	0.06580166	-0.8494507	0.33432765	0.03435188	1	0
0.03598552	-0.2164496	0.09989426	0.26485543	0.09602253	4.56	0
0.4394245	0.05472242	-0.8301158	0.36963474	0.04923514	1	0
0.37571026	-0.080541	-0.8262826	0.24856987	-0.0161519	1	0
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0.31474513	0.17814138	0.09813174	-0.0304239	0.02845548	1.98	0
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0.06899764	-0.5147266	-0.0531095	0.13217708	0.1550594	50	0
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0.40546656	-0.32301	-0.0027642	-0.0786231	-0.0801338	17.02	0
0.11832355	0.6743164	-0.319852	0.03711725	0.02494966	49.95	0
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0.50859142	-0.2301682	-0.0345036	-0.0132016	-0.4321264	9.72	0
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0.50714597	0.04492837	0.94465356	-0.015995	0.02277372	43.84	0
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0.10751319	0.11870428	0.9260291	-0.0625146	0.03007283	166.74	0
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0.44289665	0.23712232	0.83419333	-0.2219386	-0.0943451	20	0
0.38563699	-0.1683407	-0.073359	-0.1401188	0.09574412	1.29	0
0.43982339	0.30794471	0.8400276	-0.2419973	-0.0977851	20	0
0.07999643	0.24075624	-0.433986	-0.0859741	-0.107589	25	0
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0.22425042	0.09079343	0.09280518	-0.0162959	0.00914274	8.99	0
0.39967209	-0.1035742	-0.3349982	0.46441849	0.19466489	35.78	0
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0.04492473	-0.2032705	0.09860244	0.26581181	0.09696771	8.82	0
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0.95315485	1.07175106	-0.0877809	1.12804398	0.4240284	20	0
0.60296582	0.31848764	1.43924714	-0.1522431	-0.0121806	78	0
0.48826496	-0.6669716	-0.0250986	0.08346662	0.13871044	17.99	0
-0.6863823	-0.2114724	-0.3078112	-0.0218895	0.07136094	349.26	0
1.02436359	0.03160495	0.67956419	-0.6328204	-0.2269283	0.68	0
-0.33088	-0.6482249	-0.3779891	0.18953464	0.15084031	111.38	0
0.97837798	0.06281345	-0.2806114	-0.2969483	-0.1808978	97.77	0
0.08119686	0.38615293	0.16616456	0.05998792	0.04217719	72.13	0
0.50502017	0.18504737	0.98671588	-0.0946854	-0.0100082	16.38	0
0.3449167	0.21550966	0.09445796	-0.0231817	0.03078988	1.79	0
0.55788197	-0.0813728	0.16533753	-0.2082257	-0.3153858	250.58	0
0.73310371	-0.2600878	-0.3631527	0.15826813	0.23350301	10.41	0
1.03294501	-0.130904	0.73893172	0.36729656	0.23198422	11.53	0
0.44733606	0.36869421	-0.2502357	0.06465377	0.06150055	142.5	0
0.70678447	0.46866293	-0.2518293	0.06728594	0.05142263	83.5	0
0.42536577	-0.126005	0.37960036	0.97848872	0.56756156	9.09	0
0.51302313	-0.3310374	-0.2679369	0.01284107	-0.0759386	9.95	0
-0.9640688	0.03005836	0.96317206	0.27008205	0.18279825	0.77	0
0.54389419	-0.5201639	1.05944725	0.09793456	-0.0949755	518.08	0
0.54692014	0.11375732	-0.5051489	-0.8173629	-0.4359785	17.99	0
0.19615441	0.34171748	-0.091646	0.00926836	0.01242501	19.71	0
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0.08066573	0.14831202	-0.8984861	-0.9593918	-0.6664468	24.55	0
0.43007889	-0.2718697	0.74173171	0.40225281	0.19164631	3.84	0
0.27385042	-0.5838171	1.03185088	-0.0326449	0.1900274	56.28	0
-0.943067	-0.2588327	-0.3529746	0.58342663	0.47381234	15.18	0
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0.45037777	0.00032229	0.91423202	-0.054044	0.00955113	3.99	0
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0.40644689	-0.361074	-0.4661299	-0.035982	0.15066641	18.99	0
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0.50407144	0.23821439	-0.1294664	0.03948203	0.0165729	13.2	0
0.20548921	0.06675118	0.09490172	-0.0211758	0.00800956	10.98	0
0.57909512	0.08851878	0.08966908	-0.0026743	0.03367029	0.99	0
1.06070841	0.10643878	0.80267563	0.13757437	-0.0902679	77.63	0
0.44531325	0.09726686	0.07056498	-0.0384318	0.01863906	0.99	0
0.05743475	-0.394462	-0.3831282	-0.2751697	-0.2825275	1	0
0.12862486	-0.1418694	0.80473862	-0.0309223	0.10519155	176.94	0
0.40097335	-0.090928	0.33279862	0.00678829	0.03045109	8.36	0
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0.05747578	-0.1774547	0.91374063	-0.428267	0.33140207	1939.3	0
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0.43175695	-0.4375685	0.73100038	0.14997803	0.10918294	3.99	0
0.42929357	0.30070389	-0.273082	1.30066233	-0.6414134	29.9	0
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1.00266186	0.34522823	0.28430438	0.38921779	0.19113963	8.99	0
-0.9815303	0.47320178	-0.1835749	0.10653893	0.08426621	3.03	0
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0.17086559	0.54129714	0.18516112	0.04892067	0.01656089	22.34	0
0.15482505	-0.3416551	-0.4370585	0.38700438	-0.0469337	0.89	0
0.38010353	0.21697073	0.09452157	-0.0291371	0.01904962	1.98	0
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0.36970726	-0.1615769	0.07282227	0.13927522	0.05883928	8.99	0
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0.53919244	-0.3097614	-0.4765375	-0.0001855	-0.0793663	2.25	0
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0.4075185	0.25015564	-0.1802928	0.06057895	0.02157458	9.86	0
0.08623829	0.84385765	-0.8075574	-0.6993535	0.26034709	12.14	0
0.74244755	-0.4231044	-0.530132	0.0773663	0.13621273	165.8	0
0.39440647	0.40881364	0.2728513	-0.0314152	0.01061626	9.44	0
0.72759282	-1.4143469	0.21216208	-0.0573149	0.00505434	46.99	0
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0.48120436	0.14119535	0.06607271	-0.0300614	0.02162283	1.98	0
0.48807672	0.10782859	0.06964001	-0.0427009	0.00759688	1.79	0
1.02298953	0.90037966	-0.2945341	-0.0602972	0.05276105	281.15	0
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0.19423427	0.17051878	-0.0992243	0.05779839	0.01206023	6	0
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0.05526485	-0.1000311	0.29664717	0.09134001	0.09817594	11.5	0
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0.6484373	0.10251823	0.0815017	-0.0423102	0.01765004	0.99	0
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0.09556006	0.43489035	-0.1472157	0.19659283	0.02394616	69	0
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0.3062266	0.22029065	0.56147333	-0.3923408	-0.4754991	52.75	0
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0.35325604	-0.0279534	-0.2770722	0.19584632	0.00581035	25.29	0
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0.45370925	-0.5645515	0.17931079	-0.0892191	0.16684872	0.99	0
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0.63850447	0.31152894	-0.4165038	0.09720577	0.04350593	12.99	0
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0.09440578	0.65551456	-0.3144173	0.03643241	0.01882459	24.97	0
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0.12396198	-0.1833386	0.28719322	-0.0830233	-0.0398723	11.5	0
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0.34142147	-0.2142869	0.02126897	0.04304288	-0.2674994	9.51	0
0.32687043	-0.2312371	0.02349126	0.10265472	-0.1111889	1.29	0
0.7114268	-0.6680423	-0.7506585	0.25854828	0.22028428	178.75	0
0.07995607	0.11523904	0.93896218	-0.0530519	0.01231866	78	0
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0.00683032	-0.7835949	0.89673801	0.08103302	0.12824378	17.45	0
0.6281164	0.10178904	0.08680685	-0.0077972	0.02510397	13.46	0
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0.5124635	0.62918599	0.04211546	-0.0520414	-0.000289	5.32	0
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0.38190989	-0.2732788	0.08516133	0.32177414	0.12950694	1.98	0
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0.01768889	-0.3381414	-0.6875726	-1.9063143	-0.9204353	35.99	0
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0.01667233	-0.3407011	-0.6896499	-1.9246847	-0.9126721	19.99	0
0.01667233	-0.3407011	-0.6896499	-1.9246847	-0.9126721	19.99	0
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0.38726022	-0.1035562	0.08471432	0.26313556	0.20542497	30.31	0
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0.58702773	0.29819199	0.27321865	-0.025196	0.00743248	5.99	0
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0.70825609	0.36521702	-0.229479	0.03385739	0.02690535	20	0
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0.25534371	-0.6107697	-0.4038352	0.27396669	0.01628799	0.89	0
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0.38193071	0.02440817	-0.3164139	-0.2354962	0.4606689	50.74	0
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0.00629361	0.22482681	0.09711576	-0.035023	0.00577907	4.63	0
0.19490531	-0.3083072	0.07352655	0.14923688	0.0377932	10.98	0

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0.18262077	0.29997371	-0.5401962	0.06829441	0.02687947	64.76	0
0.125131	0.45654069	0.36696183	-0.0146842	0.03235715	0.76	0
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0.12636416	-0.3795436	1.03324062	0.25138828	0.47821331	150	0
0.38625096	0.6782512	-0.32791	0.01113214	0.02079112	10	0
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0.34378033	0.09632289	0.06006687	-0.0191645	0.06113521	4.95	0
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0.6639246	-0.3326738	-0.452636	0.06542964	0.01294993	13.81	0
0.47185175	-0.3484407	-0.1427447	-0.3764752	-0.1425758	185	0
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0.30765606	-0.1352516	0.07962351	0.34832668	0.15549674	4.49	0
0.53933849	-0.3350887	-0.2677433	-0.0759352	-0.1712256	46.89	0
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0.37734181	-0.3151705	0.08112293	0.28151626	0.12049625	2.97	0
-0.7886642	-0.0300635	0.34652963	0.17866324	0.09834766	1	0
0.73180468	-0.2501877	-0.5404844	-0.3675532	-0.2657279	38.19	0
0.18234061	0.04244537	0.09873771	-0.024693	0.0044945	0.99	0
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0.21040256	0.08457854	0.11232611	0.05135931	0.02977436	12.14	0
-0.5048161	-0.001289	0.12392503	0.12078621	0.01824626	14.27	0
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0.23003972	-0.4855495	-0.3869179	0.21922681	0.15464189	12.99	0
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0.13199924	0.02716347	-0.3416516	-0.9499326	-0.5003587	13.31	0
0.13199924	0.02716347	-0.3416516	-0.9499326	-0.5003587	13.31	0
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0.66617193	-0.334331	-0.3469592	0.02287473	0.10334967	43.57	0
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0.24667482	-0.3060519	-0.3485776	0.03659037	-0.046935	137.52	0
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0.1193454	0.33272204	0.32118925	-0.0020127	0.14859332	18.72	0
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0.02274158	0.56681308	-0.3056781	0.01925695	0.01325752	25.29	0
0.02026084	-0.13446	-0.2156444	0.27070451	0.11733962	65.73	0
0.50471367	-0.3088243	0.68838012	-0.0160193	0.11815982	59	0
0.30806083	0.27660125	-0.0346975	-0.3032455	-0.1303227	319.44	0
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0.05449509	-0.5826704	-0.5105881	-0.3026474	-0.7607931	3.99	0
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0.08204616	-0.3315674	-0.3550495	-0.3264734	0.08826004	1.25	0
0.19218949	-0.2376861	0.08036209	0.13556789	0.03238003	9.99	0
0.54254734	-0.2918038	-0.4217267	0.03430058	-0.1371338	37.69	0
0.23395695	0.24776291	0.49145249	0.2141939	-0.0500089	3	0
-0.3408001	-1.3224542	-0.3476325	0.21204154	0.26906581	53.05	0
0.82590374	0.006037	1.0414559	-0.1187903	0.09554531	450	0
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0.39180227	0.09734121	0.10447926	-0.0127999	0.01858636	1.29	0
0.26165255	-0.396663	-0.8426212	0.14624924	0.1436825	12.99	0
0.19970785	0.51905754	0.06366416	-0.052564	0.01030666	88.29	0
0.14632908	-0.4842846	-0.4604425	0.00223478	0.03574364	75	0
0.51128279	0.13172316	0.06568457	-0.0393954	0.01130694	12.9	0
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1.02967092	0.10541909	0.11271645	0.15624437	-0.3301846	123.79	0
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0.08576012	-0.0164294	0.12539286	-0.0137624	0.02983636	87.68	0
0.15098699	0.04521334	0.0980865	-0.0180598	0.01673616	1.98	0
0.46159571	-0.0683692	0.49046762	0.09077356	0.08546657	6.3	0
0.99870897	-0.3545709	0.17923152	0.01448643	-0.0767391	1.9	0
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0.36836895	0.50838794	-0.3154111	0.01625021	0.02002624	23.41	0
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0.18425479	0.43934343	1.19975702	-0.0400432	0.0093387	18.94	0
0.51773256	0.2516341	1.02303155	-0.0079843	0.02321981	45.65	0
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0.03351273	-0.7597903	-0.3990616	0.55910911	0.27682828	0.89	0
0.19577419	0.41844979	-0.4785817	0.1008876	0.17629016	0.89	0
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0.38424155	0.08812673	0.10543477	-0.0145448	0.01794225	0.99	0
0.08771791	0.28037966	0.62707227	-0.0542641	0.06197093	309.9	0
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0.38933386	0.03760419	-0.294687	-0.3572222	-0.4568294	18.67	0
0.47809968	-0.175696	-0.4513611	-0.0060562	0.07127302	52.79	0
1.00237705	-0.3393898	0.2803454	0.00931193	0.13282024	34.16	0
0.08076059	-0.0267763	0.27048254	-0.0072198	0.04089693	83.48	0
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0.46042703	-0.8141808	0.89924552	-0.5198266	-0.3985975	45.45	0
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0.17721282	-0.2619562	0.93035802	-0.0991013	0.09677127	510.15	0
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0.37368597	-0.0809252	0.06889217	0.12672413	0.0393478	13.98	0
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0.35704242	-0.0652077	-0.6444859	-0.3778623	0.14262418	12.99	0
0.68726757	-0.073976	0.03370318	-0.0689642	-0.1074164	9.87	0
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0.42282098	-0.3183274	-0.476384	-2.4095727	-0.921618	1.55	0
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0.59098709	-0.3464341	0.41034337	-0.2711186	0.12418099	40.55	0
0.59249985	-0.3426251	0.41343467	-0.2437811	0.11262833	64.36	0
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0.63484566	-0.4428716	-0.9294235	0.04580699	-0.2116703	1	0
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0.35519634	-0.1790855	-0.1069474	-0.2150393	0.0506978	0	0
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0.7004112	-0.2550738	-0.2685622	0.13108474	0.14441364	0	0
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-0.6267568	-0.1355181	0.36961079	0.20765318	0.07811179	5.3	0
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0.51440854	0.09591887	-0.8583777	0.44013108	0.0970948	1	0
0.68875403	0.19394362	0.07209847	-0.0185242	0.03547966	1.78	0
0.19267265	-0.1029107	-0.8352885	0.24292564	-0.0281199	1	0
0.10696341	-0.2408009	-0.352548	0.00440551	-0.0523813	94.8	0
0.60385459	-0.0809492	-0.8417336	0.25407047	-0.0123451	1	0
0.52289002	-0.0069287	-0.8673023	0.23092404	-0.0232333	1	0
0.52761287	0.11223697	-0.8599939	0.44328384	0.09813058	1	0
0.22936006	-0.4459823	-0.4985277	0.05788359	-0.0725056	55.3	0
-0.2368058	0.10990545	-0.6428052	0.03475449	0.15497372	1	0
0.33461765	-0.4085695	0.70520394	0.24781223	0.1619015	3	0
0.14232768	-0.3290153	0.0752813	0.2516626	0.08420364	2.69	0
-0.4077184	-0.0875265	0.92420232	-0.0689656	-0.0009873	27.99	0
0.01097233	0.11453856	0.12683858	-0.012249	0.02576225	2.68	0
0.00157569	-0.1301974	0.14932074	0.05801804	0.14236902	124.14	0
0.04309147	0.13870453	0.33078517	0.02729963	0.01258906	7.91	0
0.66310698	-0.2010858	0.05135152	0.24690049	0.10176544	2.69	0
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0.44896332	0.50682614	0.05175479	0.03005782	0.03073668	40.29	0
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0.54418287	0.61454049	-0.3605988	0.00411135	0.01631527	30.02	0
0.0551358	1.31455598	-0.1284998	0.13848208	0.16685352	70.71	0
0.25713796	0.33424598	-0.2591179	0.05579086	0.05024649	150	0
0.57621517	0.03318991	0.87701357	-0.0795165	-0.0004209	2	0
0.23267107	0.36912225	-0.3050144	0.05344765	0.02667864	35	0
-0.0444289	0.16576554	0.96669076	-0.0501358	0.02155345	82.7	0
-0.4127789	-0.3089255	0.15610596	0.12169341	0.14393227	9.57	0
0.01499279	0.20775644	-0.0328707	0.10746236	0.02480192	56	0
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0.40223558	0.52925222	-0.1035033	-0.057791	0.07550691	398	0
0.99212571	0.36939816	0.11037355	-0.0283021	0.01183631	1.98	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
-1.3884758	-0.1582483	-0.1035868	-2.6436043	-0.9579542	3.03	0
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0.22682018	-0.7988526	-0.1231801	-0.8805465	-0.5807065	0	0
0.06221125	0.48699379	-0.2788398	0.03459274	0.05766184	197.53	0
0.35623418	0.22950028	0.09307376	-0.0204774	0.03167595	1.78	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.25786462	0.20845382	0.21354373	-1.1239391	-0.7157313	124.14	0
0.87344805	0.35127663	-0.6296429	0.00202926	0.03740875	32.75	0
1.0263565	0.16695653	-0.8685996	-0.1144051	-0.2770364	1	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.41187492	0.31692012	-0.5135039	-0.0404992	0.2349785	3.03	0
0.48459366	0.02285476	-0.1595635	-1.1585723	-0.5468636	0.99	0
0.34767791	-1.2909783	0.10362809	0.13962111	0.30466369	500.51	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.08209348	-0.4218275	-0.3004315	-0.2172391	-0.6097082	162.61	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.19034117	0.49734637	-0.2929771	0.02130056	0.00910076	14.9	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.23126092	0.35227697	0.09766919	0.06978997	0.05480842	15	0
0.08754022	0.17358268	0.10635406	-0.1798462	-0.0153324	0	0
1.00575856	0.28507189	-0.8199921	0.34615588	0.03970153	1	0
0.00216512	-0.1067858	-0.6409952	-0.0003795	0.00605042	6.25	0
0.11675213	0.41578135	0.35754755	-0.3956293	-0.0230971	25.02	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.2761964	0.03843033	0.36125997	0.16746813	0.00817093	178.3	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.57457126	0.36876987	0.23444448	-0.0371421	0.01277312	55.97	0
0.71558849	0.37241231	-0.4174477	0.69692756	0.24608576	2.99	0
0.76395727	-0.700463	-0.4408049	0.44272953	0.2389814	14.97	0
0.03413813	-0.1011014	-0.2084168	0.32281001	0.04835474	40.4	0
0.41671983	0.70485427	-0.3321063	0.01547828	0.02416236	18	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.20051399	0.04942177	-0.2150749	0.0071717	0.02908809	28.06	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.72052338	0.073727	0.3699226	-0.0168638	0.03465987	41.75	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
1.00575856	0.28507189	-0.8199921	0.34615588	0.03970153	1	0
-1.7667356	0.03349009	0.07336769	-0.0507305	0.02845571	215.18	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.40753606	0.43650291	-0.4110732	0.0764175	0.03973247	9.99	0
0.47935938	-0.0937049	0.47540924	0.58214358	0.43637159	69.99	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
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-0.0500196	0.90102015	0.71768144	2.0210116	0.61511975	0.92	0
0.09383406	-0.1038299	0.73451891	0.41662513	0.15447195	3.77	0
0.99528077	0.25297057	-0.8182519	0.27544869	-0.0122494	1	0
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1.0014708	0.33657779	-0.815546	0.45051226	0.09996944	1	0
0.17529013	-0.3596674	0.07441261	0.27039484	0.10751774	3.58	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.55035331	0.31173792	0.71083925	-1.245806	3.89532087	500	0
0.33795398	0.65485255	0.10462742	1.55332945	0.76714846	8.94	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
1.00575856	0.28507189	-0.8199921	0.34615588	0.03970153	1	0
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0.74716571	0.11888082	0.9253748	-0.0524655	0.01702405	20.5	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.38293764	-0.1937332	0.22551743	0.14934693	-0.0460998	11.88	0
0.05111829	0.42364531	1.06906575	-0.1048455	-0.00781	67.46	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.41827815	0.54574537	-0.2768584	0.0679153	0.02573148	15	0
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1.00575856	0.28507189	-0.8199921	0.34615588	0.03970153	1	0
0.49326535	-0.3238523	0.79925721	-0.1961057	0.20180793	1043.56	0
1.00153159	0.32102329	-0.8205603	0.16244501	-0.0679555	1	0
0.42369808	0.03622749	-0.065916	0.21709195	0.1944373	7.03	0
0.6840634	0.08902032	-0.1264928	-0.781851	-0.0102337	328	0
1.00984406	0.26040121	-0.7960482	0.40483039	0.20267305	1	0
1.01012096	0.38192922	-0.8215225	0.02624895	-0.1011805	1	0
0.02423771	0.13041972	0.12509552	-0.0093211	0.02700522	3.87	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
-0.4039808	0.44968162	0.5752922	-0.0213116	0.0132286	17.85	0
1.00464349	0.28046036	-0.8315406	0.21562946	0.03291479	1	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
-1.5038115	-0.1895183	0.41697904	0.4908289	0.18664714	13.44	0
1.00575856	0.28507189	-0.8199921	0.34615588	0.03970153	1	0
0.37136944	-0.5148806	-0.6705127	0.06702009	-0.0519969	22	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0

0.51497324	-0.0489602	0.93553549	-0.1232407	0.10323677	500	0
0.29579964	-0.4633157	0.10272658	-0.4643355	-0.1646864	1.06	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
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0.48276277	-0.4755551	-0.1216067	0.1522614	-0.1811856	9.96	0
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1.05216734	0.43161524	-0.774772	0.26801101	-0.1243293	1	0
0.46145208	0.45487245	-0.0503647	-0.364221	-0.1758956	29.9	0
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1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
1.00995228	0.23373018	-0.8244706	0.24130521	-0.0203586	1	0
0.07151452	-0.0952816	0.82325077	0.0997019	-0.0842376	1.61	0
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