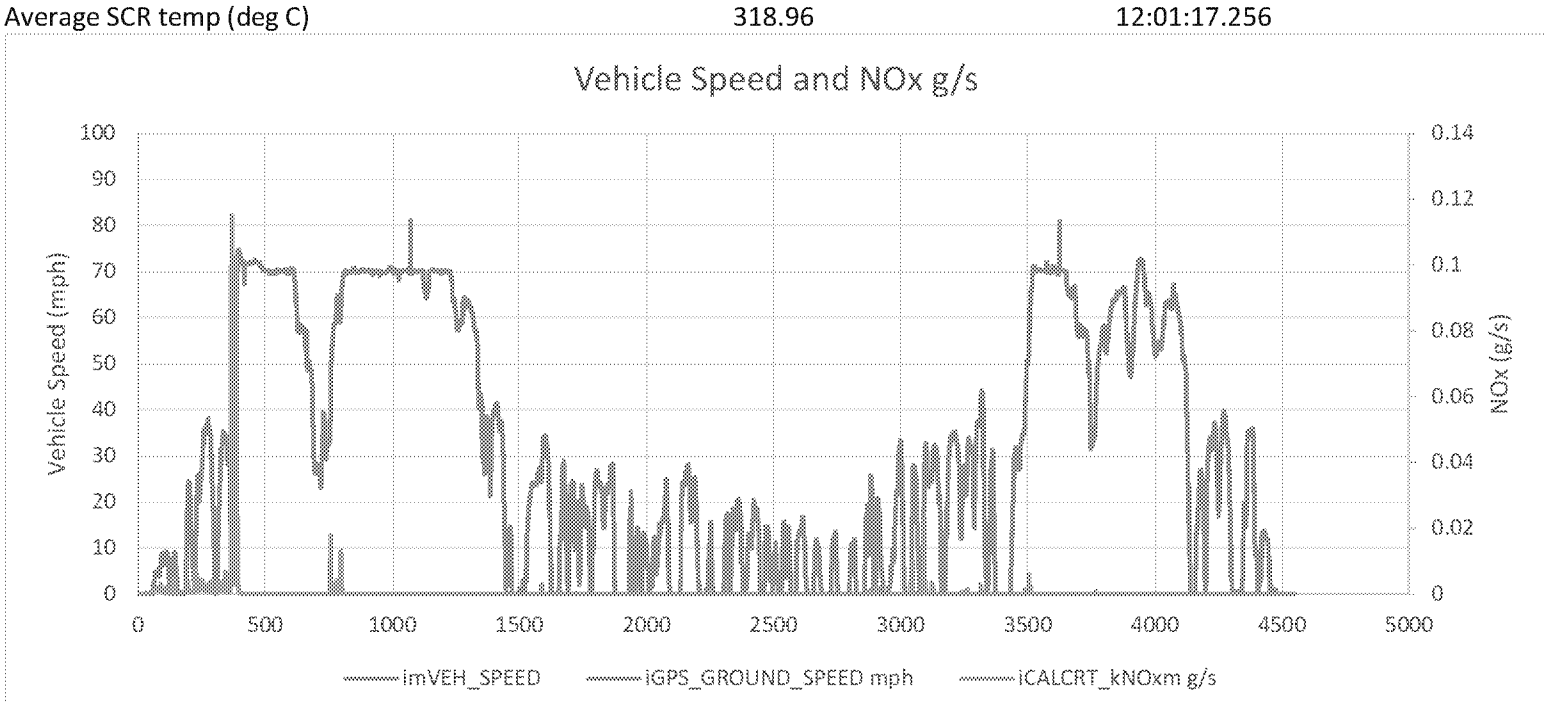
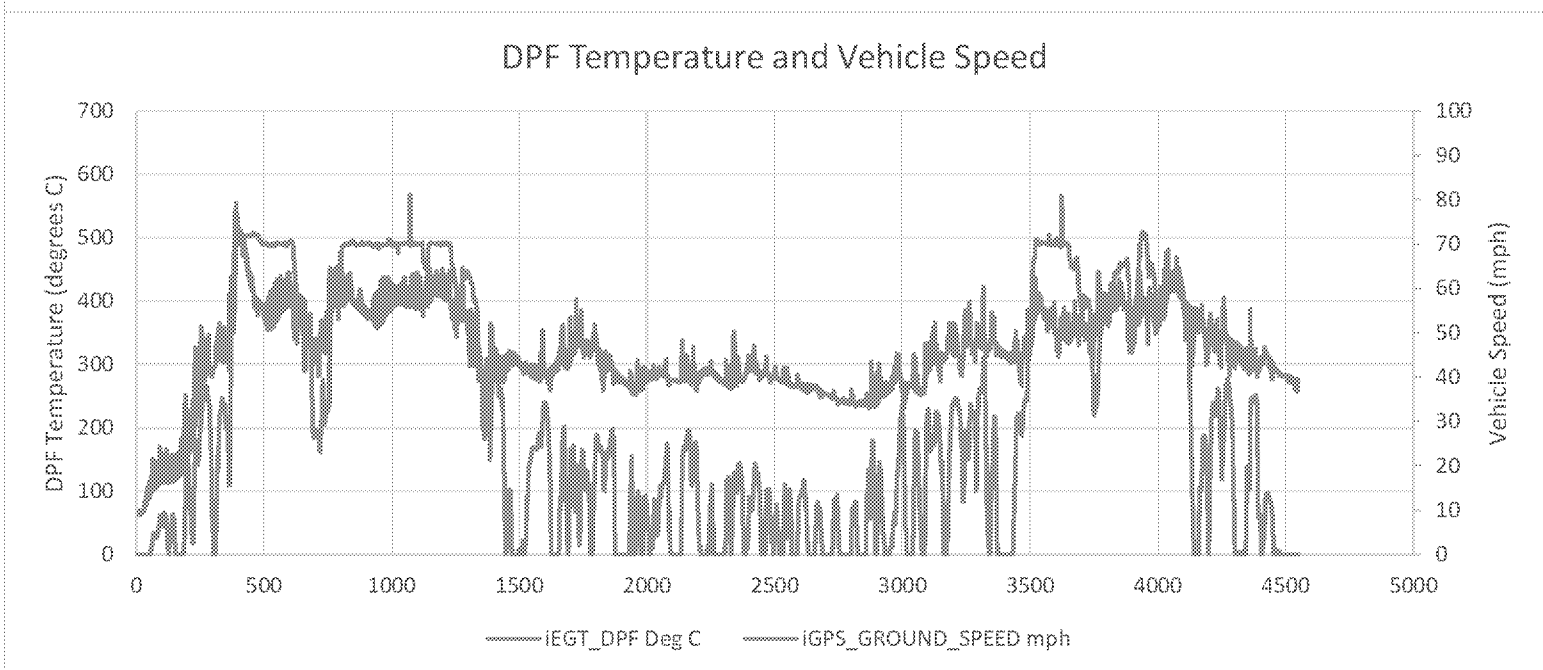
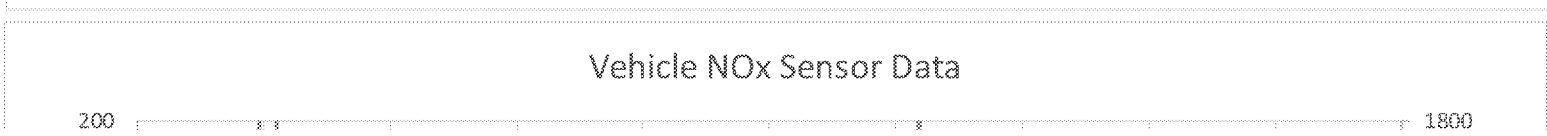
Test Duration (s)	4550
Calculated Test Duration (s)	4550
Average Ambient Temperature (deg C)	29.92
Calculated Average Ambient Temperature (deg C)	29.94
Total Distance Traveled (mi)	38.770
Calculated Total Distance Traveled (mi)	38.769
Total Fuel Consumed (gal)	1.628
Calculated Total Fuel Consumed (gal)	1.628
Overall Fuel Economy (mpg)	23.81
Calculated Overall Fuel Economy (mpg)	23.81
kNOx (g) (corrected NOx)	2.26
Calculated kNOx (g) (corrected NOx)	2.26
kNOx (g/mi) (corrected NOx)	0.058
Calculated kNOx (g/mi) (corrected NOx)	0.058
THC (g)	0.196
Calculated THC (g)	0.196
THC (g/mi)	0.005
Calculated THC (g/mi)	0.005
1st Measured ECT (deg F)	n/a
Test Start Time	12:00:56.256
Test Stop Time	13:16:45.256
Average Speed (mph)	30.67
Regeneration Event?	Yes
Average SCR temp (deg C)	318.96

sTIME	iCOOL_TEMP	iENG_LOAD	iENG_SPEED
hh:mm:ss.xxx	deg F	%	rpm
12:00:56.256			
12:00:57.256			
12:00:58.256			
12:00:59.256			
12:01:00.256			
12:01:01.256			
12:01:02.256			
12:01:03.256			
12:01:04.256			
12:01:05.256			
12:01:06.256			
12:01:07.256		0	0
12:01:08.256		0	0
12:01:09.256		0	0
12:01:10.256		0	0
12:01:11.256		0	0
12:01:12.256		0	0
12:01:13.256		0	0
12:01:14.256		0	0
12:01:15.256		0	0
12:01:16.256		0	0
12:01:17.256		0	0
		0	0
		0	0
		37.6	0
		87.8	401
		51	647
		17.8	713
		22.8	695
		33.1	689
		43.6	689
		52.7	687
		56.5	694
		58.9	700
		57.7	702
		56.4	702
		57	701
		57.1	701
		58	702
		59	702
		58.4	698
		58.2	699
		57.7	699
		57	700
		59.1	698
		65.4	689
		66.9	686
		63.8	703
		63.3	700
		62.4	700
		63.8	735
		64.7	761
		64.1	721
		65.2	768
		64.4	776
		64.3	729
		64	698
		61.4	694
		63	757
		69	888
		70.8	974







imVEH_SPEED	iMAF g/s	iEGT_11 Deg C	iEGT_DPF Deg C	iGPS_GROUND_SPEED mph	iWfgps gal/s	iCALCRT_kNOxm g/s	iCALCRT_HCm g/s	iSCB_LAT deg C	ikNOxzw ppm	iNOX_B1S1 ppm
				0	0	0	0	31	0	
				0	0	0	0	31	0	
				0	0	0	0	31	0	
				0	0	0	0	31	0	
				0	0.000001	0	0.00001	31	0	
				0	0.000001	0	0	31	0	
				0	0	0	0	31	0	
				0	0	0	0	31	0	
				0	0	0	0	31	0	
				0	0	0	0	31	0	
				0	0	0	0	31	0	
			63.278107	0	0	0	0	31	0	
		75.5	68.970155	0	0	0	0	31	0	
		75.5	64.244259	0	0	0	0	31	0	-1
		75.5	63.247377	0	0	0	0	31	0	-1
		75.5	63.575281	0	0	0	0	31	0	-1
		75.5	69.030931	0	0	0	0	31	0	-1
		75.5	63.795366	0	0	0	0	31	0	-1
		75.5	63.7	0	0	0	0	31	0	-1
		75.5	63.7	0	0	0	0	31	0	-1
		75.5	68.778866	0	0	0	0	31	0	-1
		75.616706	64.596569	0	0	0	0	31	0	-1
		75.73519	63.7	0	0	0	0	31	0	-1
		75.853673	63.7	0	0	0	0	31	0	-1
		75.972156	67.622194	0	0.000001	0	0	31	0	-1
		77.876415	66.270187	0	0.00004	0	0.00008	31	0	-1
		80.329245	65.454965	0	0.000127	0.00015	0.00031	31	5.4	-1
		82.782075	67.281409	0	0.000125	0.00024	0.00038	31	9.4	-1
		85.234906	71.645283	0	0.000107	0.00021	0.00027	31	9.7	-1
		89.163158	74.775	0	0.000097	0.00016	0.0002	31	8.5	-1
		94.426316	71.136434	0	0.00009	0.0001	0.00017	31	5.8	-1
		99.689474	72.516646	0	0.000079	0.00006	0.00012	31	3.5	-1
		104.952632	80.691982	0	0.000067	0.00003	0.00011	31	2.1	-1
		109.873552	82.464058	0	0.000057	0.00002	0.00009	31	1.3	-1
		114.576582	75.911259	0	0.000053	0.00001	0.00008	31	0.6	-1
		119.279612	77.396774	0	0.000053	0	0.00007	31	0.2	-1
		123.982642	86.811723	0	0.000057	0	0.00007	31	0.1	-1
		127.835642	94.712745	0	0.000064	0	0.00009	31	0	-1
		130.789637	80.4875	0	0.000075	0.00003	0.00008	31	1.6	-1
		133.743632	81.341326	0	0.000086	0.00008	0.00011	31	4.9	-1
		136.697627	86.024524	0	0.000094	0.00014	0.00012	31	8.4	-1
		139.295736	104.947921	0	0.0001	0.0002	0.00015	31	12	-1
		141.250051	84.496364	0	0.000105	0.00026	0.00017	31	16	-1
		143.204365	85.361702	0	0.000109	0.00034	0.00019	31	20.6	-1
		145.15868	91.903065	0	0.000111	0.00043	0.00026	31	26.2	-1
		147.833016	107.088006	0	0.000114	0.00053	0.00032	31	31.6	-1
		151.51815	87.178689	0	0.000121	0.00064	0.00043	31	36.5	-1
		155.203284	88.038025	0	0.000125	0.00073	0.00049	31	40.2	-1
		158.888418	97.405405	0	0.000123	0.00076	0.00051	31	42.9	-1
		162.32775	114.012473	0	0.000124	0.0008	0.00053	31	44.7	-1
		165.437235	91.176606	0	0.000134	0.00087	0.00055	31	45.5	-1
		168.546721	91.851609	0	0.000144	0.00089	0.00057	31	45.4	-1
		171.656206	111.264191	0	0.000144	0.00085	0.00049	31	44.9	-1
		174.554572	113.359328	0	0.000157	0.00088	0.0005	31	43.4	-1
		177.312192	94.769308	0	0.000165	0.00089	0.00048	31	42.5	-1
		180.069811	95.6	0.3	0.000154	0.00082	0.00042	31	42.2	-1
		182.827431	110.160453	0.8	0.000145	0.00077	0.00037	31	42.4	-1
		186.456605	125.599411	1.1	0.000142	0.00077	0.00034	31	43.3	-1
		191.084512	97.326744	1.7	0.00017	0.00095	0.00039	31	44.9	-1
		195.712419	97.758153	1.8	0.00021	0.0012	0.00046	31	46.1	-1
		200.340326	100.302302	2.1	0.000227	0.00134	0.00052	31	47.7	-1

iNOX_B1S2	sDPF_REGEN	Accum kNOx
ppm	0/1	g
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
-1	0	0
-1	0	0
-1	0	0
-1	0	0
-1	0	0
-1	0	0
-1	0	0
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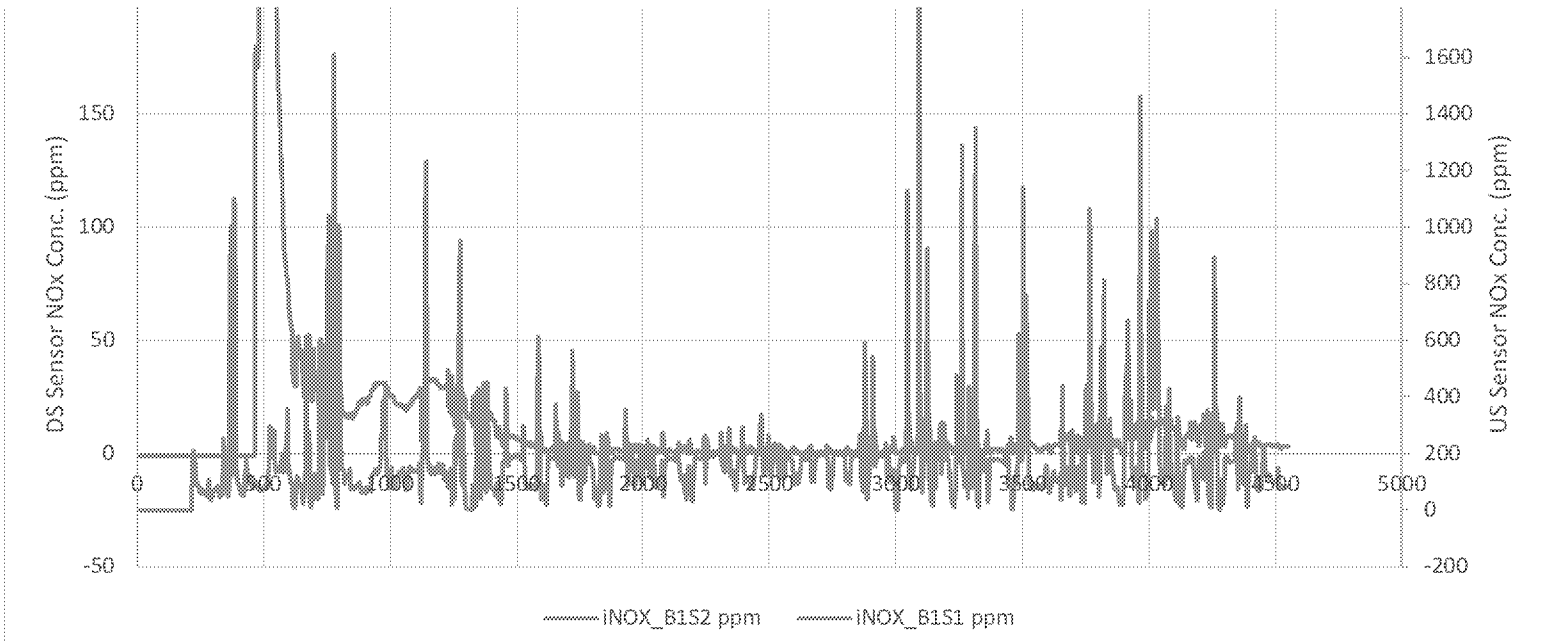
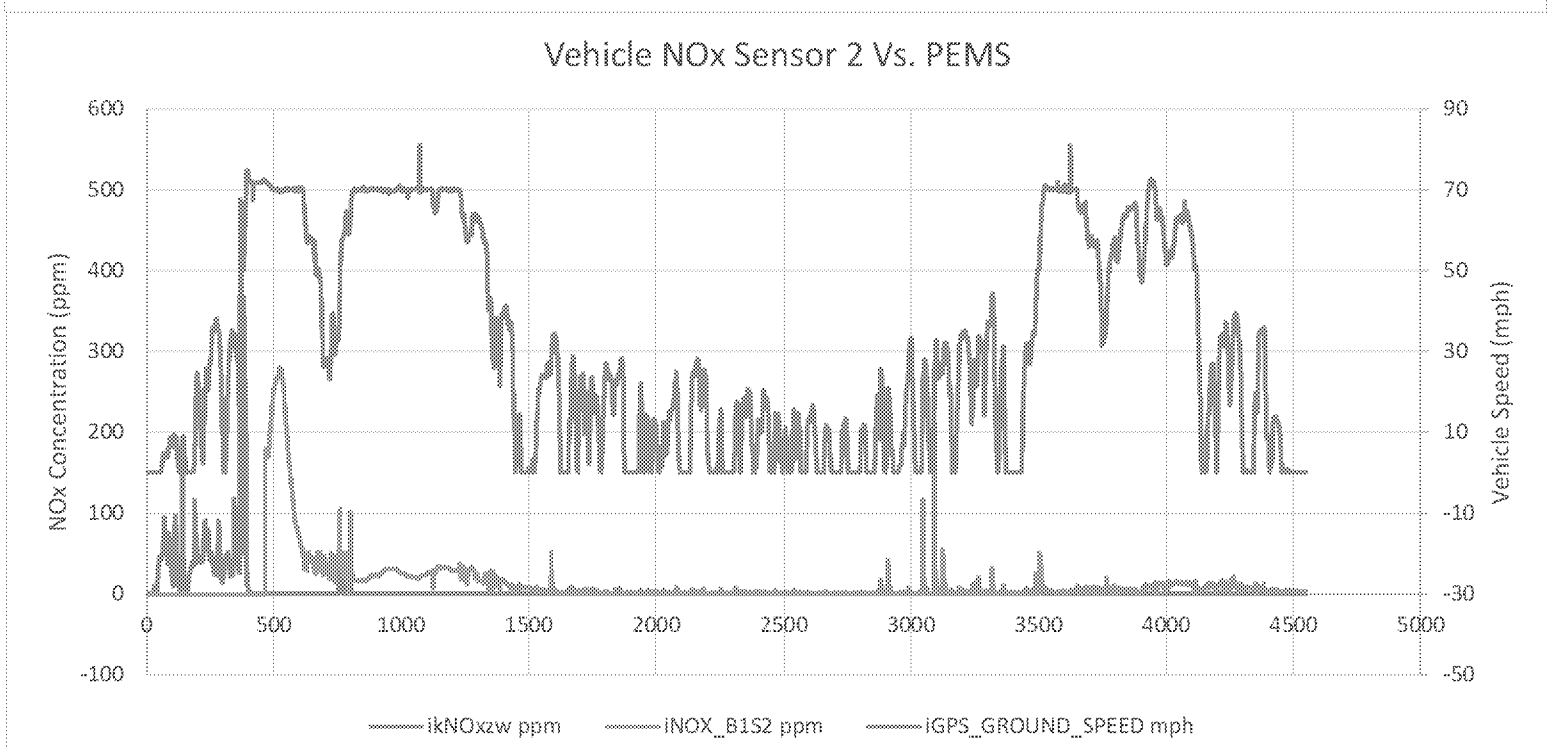
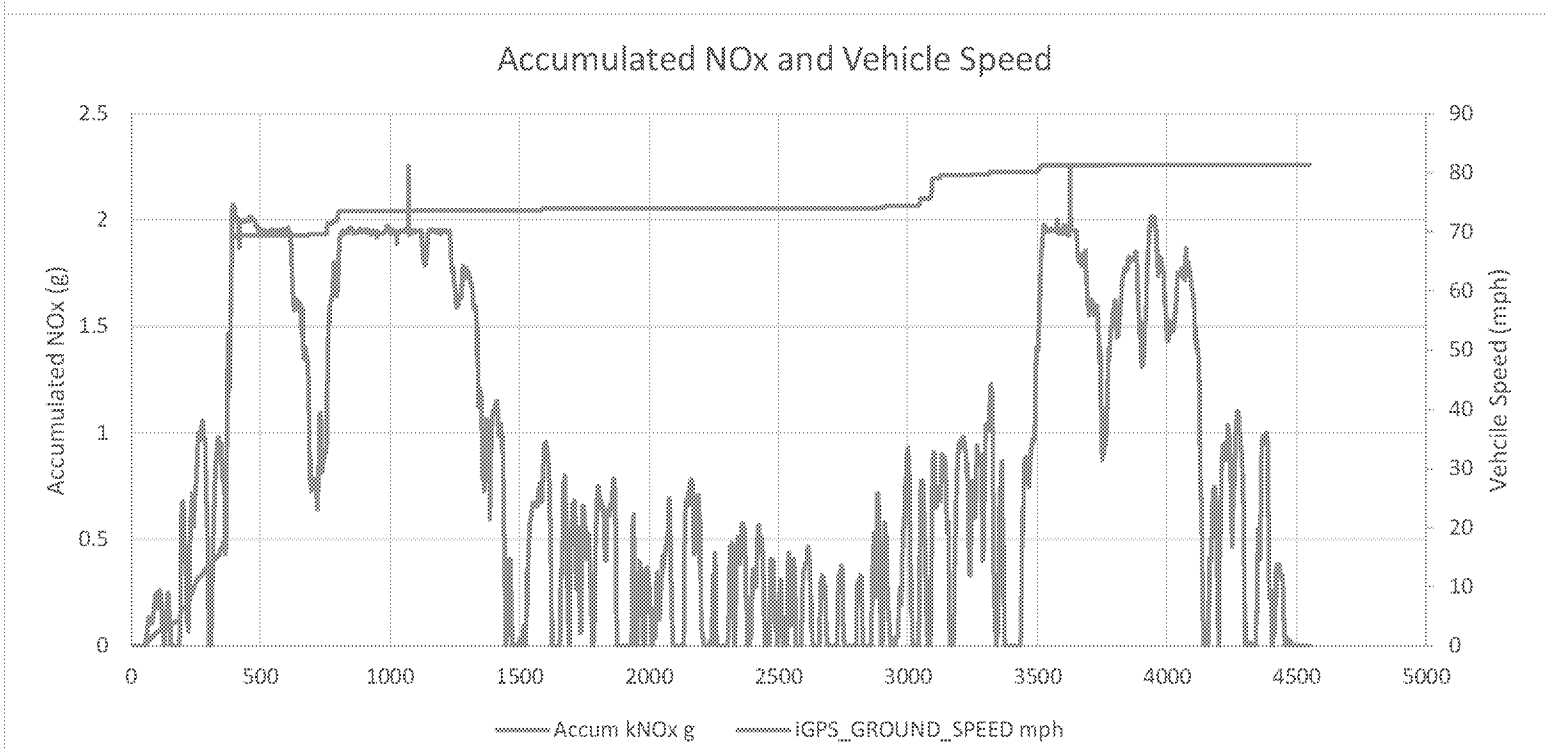
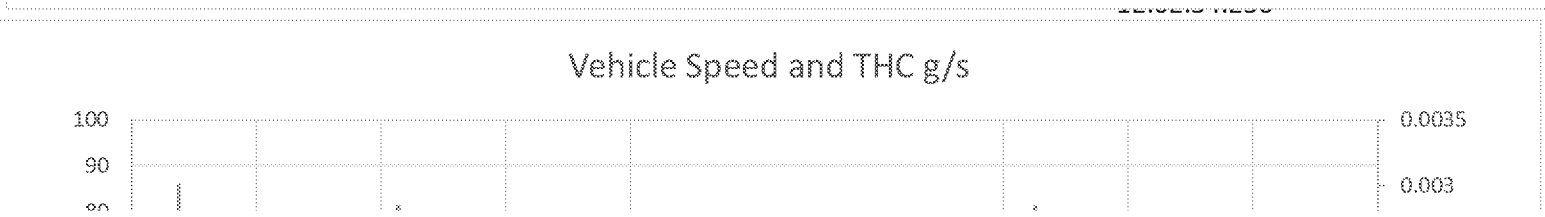
-1	0	0
-1	0	0
-1	0	0
-1	0	0
-1	0	0
-1	0	0
-1	0	0
-1	0	0
-1	0	0.00015
-1	0	0.00039
-1	0	0.0006
-1	0	0.00076
-1	0	0.00086
-1	0	0.00092
-1	0	0.00095
-1	0	0.00097
-1	0	0.00098
-1	0	0.00098
-1	0	0.00098
-1	0	0.00098
-1	0	0.00101
-1	0	0.00109
-1	0	0.00123
-1	0	0.00143
-1	0	0.00169
-1	0	0.00203
-1	0	0.00246
-1	0	0.00299
-1	0	0.00363
-1	0	0.00436
-1	0	0.00512
-1	0	0.00592
-1	0	0.00679
-1	0	0.00768
-1	0	0.00853
-1	0	0.00941
-1	0	0.0103
-1	0	0.01112
-1	0	0.01189
-1	0	0.01266
-1	0	0.01361
-1	0	0.01481
-1	0	0.01615









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67.2	923
62.5	949
61.6	969
61.2	961
60.8	840
58.5	805
60.4	791
61.2	789
61.2	788
60.4	789
54.9	809
53	810
56.5	778
58.4	751
59	735
59.7	740
60.6	754
62.2	834
65.5	972
67.3	1048
62.7	1137
59.6	1160
58.3	1197
60	1261
65.3	1327
72.5	1450
69.1	1520
43.9	1228
47.9	977
51.3	877
52.5	797
57.8	790
55.8	747
53.4	707
53.6	699
54.8	697
55.9	696
56.8	733
67.1	857
67.2	935
67.1	1007
69.2	1059
67.8	1079
63.3	1069
56.6	1059
49.8	989
48.8	940
52.2	932
56.3	931
58.1	933
57.4	912
52.5	854
52	786
55.6	780
58.5	747
59.2	704
60.7	705
61.7	701
62.7	699
61.5	699
60.9	698
62.7	744

204.509835	150.991115	2.4	0.000211	0.0013	0.00047	31	49.8	-1
206.37631	100.906537	3.1	0.000193	0.00123	0.00042	31	51.5	-1
208.242785	101.840323	3.5	0.000192	0.00129	0.00042	31	54.4	-1
210.109261	102	4.4	0.000189	0.00143	0.00039	31	61	-1
211.975736	149.911224	4.5	0.000178	0.00157	0.00039	31	70.9	-1
209.890024	110.723984	4.7	0.000157	0.00168	0.00035	31	83.4	-1
207.752257	103.428143	4.7	0.000144	0.00172	0.00037	31	90.6	-1
205.614489	104.364272	4.8	0.000135	0.00173	0.00036	31	93.4	-1
203.476722	136.391313	4.7	0.000131	0.00172	0.00037	31	93.6	-1
201.6495	122.455479	4.6	0.000126	0.00162	0.0004	31	89.1	-1
199.911405	105.3	4.5	0.000126	0.00151	0.00039	31	81.9	-1
198.17331	105.565545	4.4	0.000122	0.00131	0.0004	31	73.4	-1
196.435214	126.033214	4.3	0.000116	0.00111	0.00036	31	65.8	-1
195.264793	131.045049	4	0.000113	0.00097	0.00035	31	58.8	-1
194.510535	106.6185	4	0.000115	0.0009	0.00034	31	53.9	-1
193.756277	107	3.9	0.000117	0.00086	0.00033	31	50.6	-1
193.002019	120.858631	3.9	0.000117	0.00084	0.00035	31	48.4	-1
195.249889	135.811485	3.8	0.000119	0.00087	0.00036	31	47.4	-1
200.924171	108.166497	3.8	0.000141	0.00104	0.00046	31	45.9	-1
206.598452	108.6	3.8	0.00017	0.00117	0.00051	31	43.9	-1
212.272734	122.800561	4	0.000184	0.00115	0.00051	31	41.2	-1
216.993391	145.053715	4.5	0.000178	0.00099	0.00046	31	38.7	-1
220.25953	110.52819	4.9	0.000179	0.00091	0.00042	31	36.9	-1
223.52567	111.026228	5.8	0.000192	0.00094	0.00044	31	37	-1
226.791809	127.283598	5.8	0.000222	0.00145	0.00052	31	50.7	-1
230.982951	149.400098	5.9	0.000253	0.00233	0.00081	31	70.3	-1
236.1883	111.715085	6.2	0.000299	0.003	0.0012	31	75.6	-1
241.393649	112.577375	6.7	0.000288	0.0025	0.0013	31	67	-1
246.598997	122.695928	7.2	0.000233	0.0016	0.00108	31	55.3	-1
248.675127	170.806155	8.2	0.000184	0.00109	0.0009	31	49.7	-1
243.05273	113.6	8.4	0.000167	0.00099	0.0011	31	49.7	-1
237.430333	113.6	8.9	0.000153	0.00096	0.00125	31	51.6	-1
231.807936	113.6	8.5	0.00014	0.00091	0.00131	31	51.4	-1
226.185539	161.011523	7.7	0.000128	0.00077	0.00122	31	45.1	-1
223.821868	122.62429	7.4	0.000117	0.00061	0.00106	31	37.7	-1
221.569404	113.391017	6.9	0.000107	0.00049	0.00092	31	31.2	-1
219.31694	113.2652	6.8	0.000104	0.0004	0.0008	31	25.4	-1
217.064477	142.740825	6.6	0.000105	0.00034	0.00072	31	21.2	-1
218.817968	128.073976	6.5	0.000118	0.00033	0.00069	31	18.6	-1
222.247709	113	6.3	0.000159	0.00039	0.0008	31	16.2	-1
225.677451	113.352771	6.4	0.000168	0.00035	0.0007	31	13.9	-1
229.107192	152.649847	6.6	0.000188	0.00035	0.00065	31	12.4	-1
233.255218	128.866232	7	0.000199	0.00031	0.0006	31	10.8	-1
237.585064	113.896094	7.8	0.000203	0.00027	0.00049	31	9.8	-1
241.914911	114.1	8.2	0.000185	0.00024	0.00041	31	9.7	-1
246.244758	151.152781	8.9	0.000177	0.00032	0.00034	31	13.9	-1
245.070873	144.707007	9	0.00016	0.00054	0.00031	31	26.3	-1
241.389465	114.1	9.3	0.000154	0.00091	0.00031	31	46.3	-1
237.708057	114.1	9.2	0.000157	0.00137	0.00036	31	68	-1
234.02665	127.408642	9.1	0.000157	0.00177	0.00044	31	85.4	-1
230.711215	158.728571	8.9	0.000152	0.00202	0.00049	31	96.3	-1
228.024299	114.1	8.5	0.000143	0.00201	0.00058	31	97	-1
225.337383	114.1	8.5	0.000119	0.00158	0.00055	31	87.7	-1
222.650467	114.1	8.6	0.000107	0.00122	0.00053	31	71.8	-1
220.255669	165.193333	8.4	0.000108	0.00102	0.00054	31	58.9	-1
220.888273	113.6	8.1	0.000107	0.00081	0.00051	31	46.6	-1
221.520876	113.6	7.4	0.000112	0.0007	0.00051	31	38.7	-1
222.153479	113.6	6.1	0.000114	0.00059	0.00047	31	32.1	-1
222.786083	160.238676	5.3	0.000111	0.00046	0.00044	31	25.8	-1
224.28898	122.263271	3.5	0.000113	0.00039	0.00037	31	21.6	-1
225.811455	113.6	3.1	0.000119	0.00032	0.00035	31	17.8	-1
227.333929	113.6	2.3	0.000124	0.00025	0.00031	31	14.3	-1
228.856404	152.933144	1.8	0.00014	0.00023	0.00028	31	11.8	-1

-1	0	0.01745
-1	0	0.01868
-1	0	0.01997
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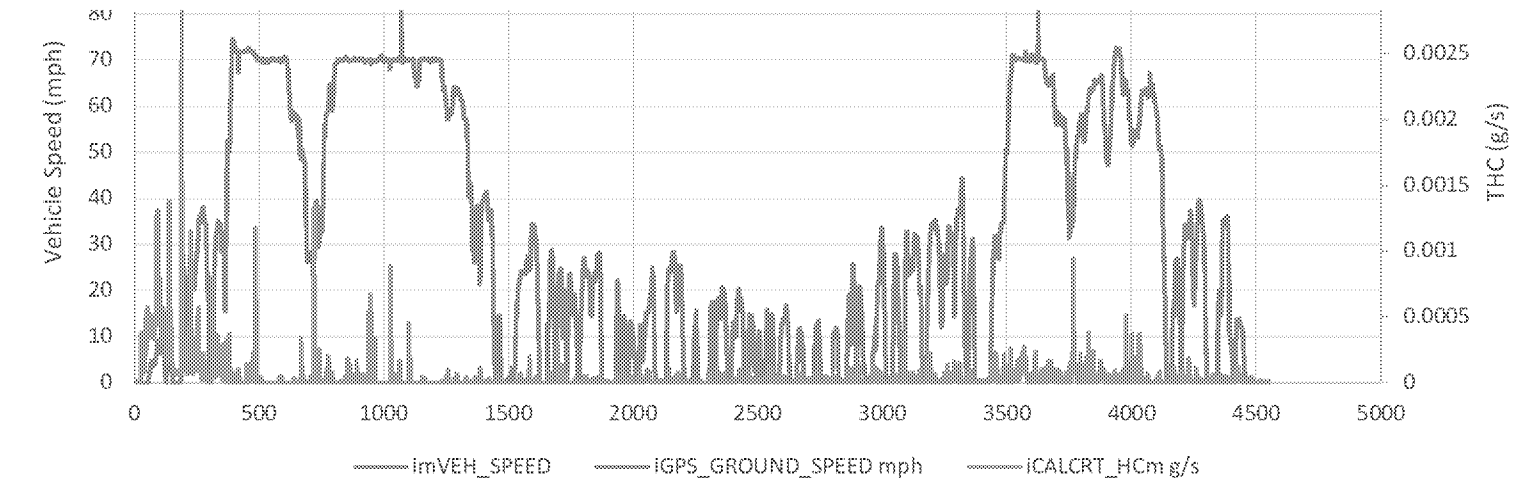

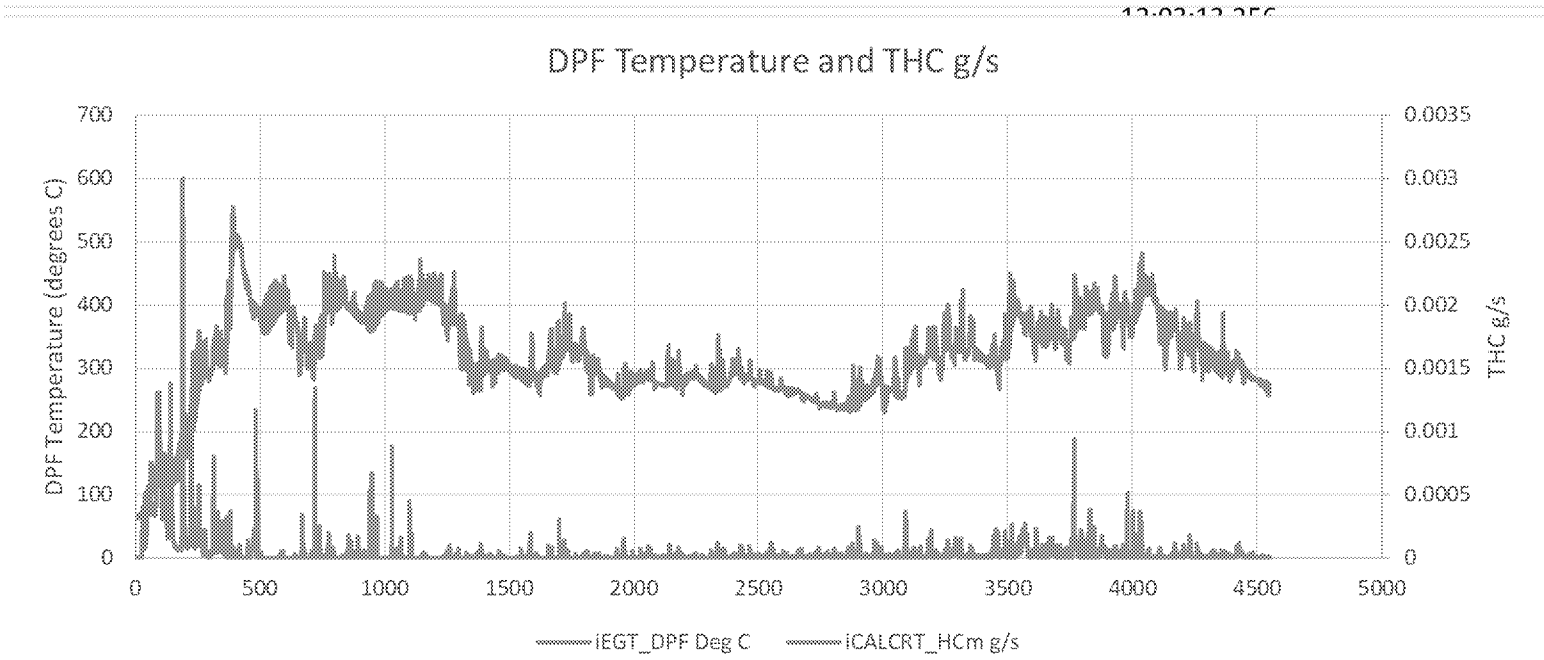

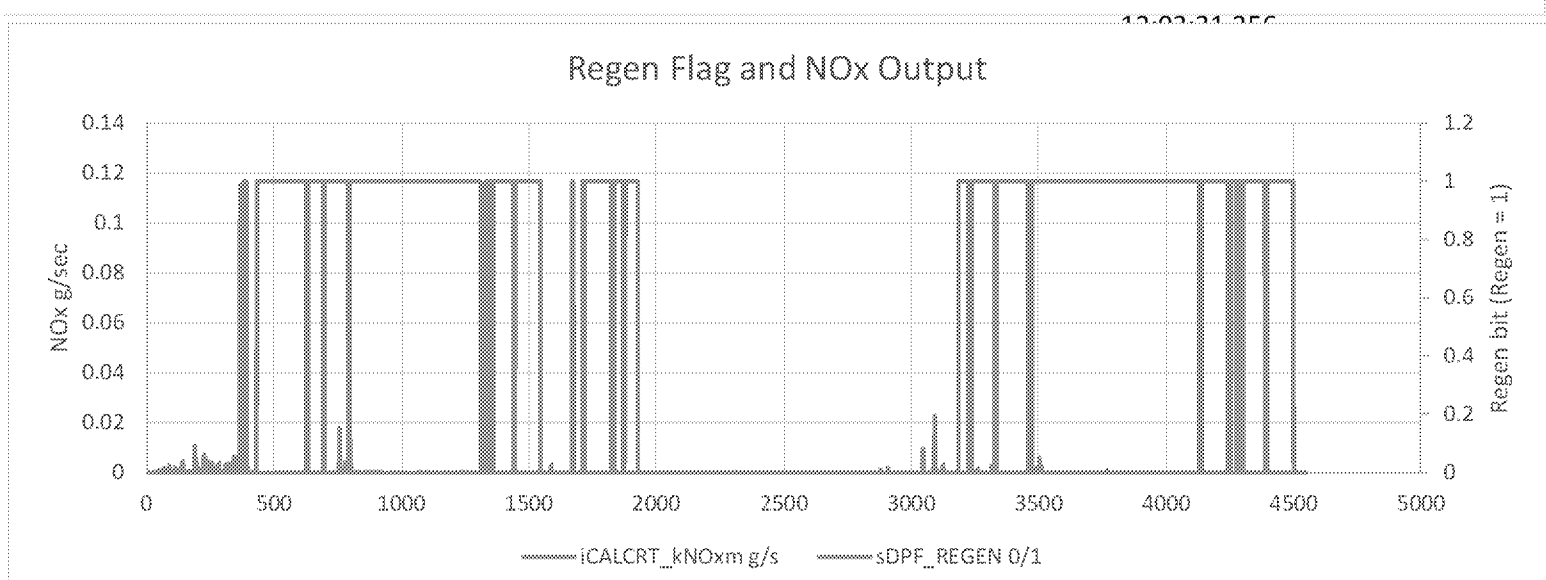

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236.193506	136.1	2.6	0.000142	0.00007	0.00017	30	4.1	-1
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254.927799	114.1	2.8	0.00026	0.00013	0.00029	30	4	-1
262.443887	141.356641	3.7	0.000282	0.0003	0.0003	30	8.3	-1
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253.535143	116.709602	7.8	0.000149	0.00047	0.0004	30	23.8	-1
251.793158	117	6.3	0.000138	0.00033	0.00031	30	17.6	-1
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251.500825	122.5	0	0.000145	0.00037	0.00007	30	20.4	-1
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430.402062	149.354575	13.6	0.000878	0.00295	0.00086	30	36	-1
451.828941	251.598675	17.7	0.00085	0.00326	0.00068	30	41.3	-1
448.696761	209.881274	19.2	0.000764	0.00435	0.00043	30	61.3	-1
438.718195	157.206261	22.2	0.00056	0.00394	0.00028	30	72.7	-1
428.739628	158.587425	22.9	0.000391	0.00266	0.00021	30	66.3	-1
418.761062	216.989581	24.4	0.000335	0.0019	0.00017	30	53	-1
402.5938	228.797822	24.4	0.000303	0.0015	0.00024	30	45.7	-1
381.999976	160.024628	24.5	0.000203	0.00095	0.00016	30	43.7	-1
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340.812328	179.720288	23.7	0.000138	0.00065	0.00011	30	44.2	-1
323.9835	223.598351	22.7	0.000133	0.00064	0.0001	30	45.5	-1
313.4835	160.4	20.7	0.000131	0.00066	0.00009	30	46.5	-1
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292.4835	161.806186	16.8	0.000148	0.00093	0.00016	30	47.5	-1
283.374624	219.29735	16.2	0.000103	0.0008	0.00013	30	46.9	-1
280.915803	161.6	15.1	0.000076	0.00073	0.00012	30	44.5	-1
278.456983	161.6	14.7	0.00007	0.00069	0.00009	30	41.5	-1
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273.539341	210.254386	13.3	0.000081	0.00065	0.00008	30	38.1	-1
272.393324	171.681176	12.4	0.000087	0.00063	0.00008	30	38.1	-1
271.268653	163.3	11.6	0.000094	0.00065	0.00011	30	38.9	-1
270.143982	163.755106	9.9	0.000102	0.0007	0.0001	30	39.9	-1
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274.670964	165.554884	5.8	0.000107	0.00075	0.00011	30	40.7	36.262645
277.923575	166.075534	4	0.000111	0.00074	0.00012	30	40.3	76.633875
281.176187	193.16268	3.6	0.000122	0.00075	0.0001	30	39.8	117.005104
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313.639357	168.595966	2.7	0.000186	0.00099	0.00014	30	41.3	179.438447
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352.734595	197.316972	3.1	0.000681	0.00426	0.00046	30	60.9	200.444797
373.348288	242.925275	4.6	0.000863	0.00561	0.00058	30	71.1	210.947973
395.608562	181.390165	6.9	0.000981	0.00629	0.00082	30	72.7	211.17612
417.868836	186.635394	11.6	0.001105	0.00709	0.00115	30	72.3	201.881554
440.12911	212.954171	13.4	0.000789	0.00488	0.0008	30	65.2	192.586988
454.972338	302.95857	17.3	0.000423	0.00281	0.00029	30	62.7	183.292421
452.914429	198.916137	18.4	0.00038	0.00326	0.00024	30	75.3	172.047009
450.856521	200.855625	20.8	0.000478	0.00475	0.00026	30	90.2	156.71267
448.798612	202.965843	21.3	0.000592	0.00534	0.00033	30	91.3	141.378331
445.589425	326.680976	22.2	0.000686	0.00581	0.0004	30	89.3	126.043992
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423.199353	214.034494	24.3	0.000423	0.00316	0.00022	30	77.2	104.750653
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369.006478	225.259018	20.3	0.000462	0.0041	0.00009	30	75.8	89.767597
393.702834	228.90354	21	0.00057	0.00451	0.00012	30	80.8	84.995466
416.584761	320.858147	22.3	0.000605	0.00418	0.00017	30	73	80.223336
419.934887	240.945098	23	0.000614	0.00359	0.00014	30	62	75.497429
423.285013	239.217358	24.3	0.000584	0.00294	0.00019	30	52.7	71.127249
426.635139	241.968524	24.9	0.00052	0.00233	0.00015	30	45.8	66.757069
429.966367	336.106858	26	0.000497	0.00208	0.00019	30	42.1	62.386889
433.152164	246.533754	26.4	0.000473	0.00194	0.00013	30	41.2	59.823372
436.337962	249.057413	27.2	0.000476	0.00196	0.00012	30	41.4	63.482801
439.52376	251.288172	27.5	0.000565	0.00234	0.00022	30	41.6	67.14223

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12:05:11.256	81.4	1892
12:05:12.256	66.3	1692
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12:05:15.256	39.9	1351
12:05:16.256	28.9	1347
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12:05:18.256	39.6	1320
12:05:19.256	43	1314
12:05:20.256	53.5	1312
12:05:21.256	72.9	1325
12:05:22.256	80.3	1341
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12:05:24.256	83.8	1388
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12:05:57.256	70.4	815
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12:06:07.256	93.4	1721
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442.728969	336.140306	28.1	0.000715	0.00286	0.00025	30	41.8	70.801659
452.385352	261.961538	28.7	0.000669	0.00315	0.00025	30	49.7	74
462.041736	260.135593	29.9	0.000615	0.00316	0.00017	30	53.2	74
471.698119	262.657017	30.5	0.00077	0.00381	0.00041	30	52.2	74
480.996022	359.202157	31.8	0.000806	0.00373	0.00057	30	50.9	74
468.247425	272.677258	32.7	0.000652	0.00315	0.00033	30	51.1	73.561827
455.498827	270.850472	34.6	0.000493	0.00229	0.00018	30	47	69.970241
442.750229	271.996305	35	0.000296	0.00129	0.00009	30	42.4	66.378656
429.134726	349.730114	35.9	0.000243	0.00103	0.00009	30	39.3	62.78707
407.163726	272.834756	35.9	0.00021	0.00093	0.00009	30	37.9	59.780284
385.192725	273.377812	36	0.000183	0.00088	0.00014	30	36.5	58.799411
363.221725	273.5	35.8	0.000169	0.00088	0.00016	30	33.7	57.818538
341.819716	304.026809	35.4	0.000156	0.00084	0.00016	30	30.4	56.837666
342.60836	274.704244	35.3	0.000149	0.00081	0.00018	30	27.4	56.192055
343.397003	274.747778	35	0.000154	0.00082	0.00013	30	25.2	57.507498
344.185647	275.586117	34.9	0.000183	0.0009	0.00017	30	24.1	58.822941
347.667898	307.347436	34.8	0.000259	0.00101	0.00013	30	24.2	60.138385
360.644812	278.561212	35	0.000365	0.00134	0.00013	30	28.7	61.416868
373.621725	280.134776	35.4	0.000418	0.00164	0.00008	30	35.8	62.625181
386.598639	280.966489	35.9	0.000405	0.00172	0.00002	30	41.7	63.833494
397.111067	339.492518	36.8	0.00039	0.00177	0.00002	30	45.1	65.041808
386.838114	283.826789	37.2	0.000367	0.00172	0.00004	30	45.4	65.093872
376.565161	284.409151	37.9	0.000317	0.00138	0.00013	30	40.7	60.71644
366.292208	284.5	38	0.000263	0.00101	0.00012	30	35.5	56.339008
356.829988	319.383625	38.1	0.000267	0.00097	0.00017	30	32.4	51.961576
357.224562	288.35814	37.7	0.000254	0.00096	0.00022	30	29.4	48.144377
357.619137	286.349194	36.9	0.000233	0.00092	0.00022	30	25.4	49.664134
358.013711	287.038351	36.5	0.000239	0.00089	0.00019	30	23	51.183891
358.694021	319.392914	35.7	0.000335	0.00101	0.00014	30	22.4	52.703647
372.695017	290.869189	35.5	0.00047	0.00155	0.00015	30	29.5	55.845931
386.696014	291.654237	35	0.000587	0.00287	0.00013	30	49.8	68.403284
400.69701	293.102023	35	0.000549	0.00395	0.00011	30	76.6	80.960638
414.433178	346.051766	35	0.00037	0.00323	0.00006	30	90.6	93.517991
390.601402	304.527965	34.8	0.000235	0.00215	0.00002	30	89.6	105.913896
366.769626	294.7	34.4	0.000177	0.00146	0.00003	30	76.3	91.563262
342.93785	294.335305	33.6	0.000141	0.00107	0.00003	30	65.7	77.212629
319.106075	299.192152	31.8	0.000113	0.00081	0.00005	30	56.3	62.861995
303.431106	296.451812	30.6	0.000094	0.00068	0.00004	30	47.5	48.511361
290.819148	292.7	28.2	0.000083	0.00067	0.00004	30	40.8	43.587719
278.20719	292.949032	27	0.000067	0.00063	0.00005	30	34.5	40.663743
265.595231	285.52145	24.4	0.000048	0.0005	0.00002	30	28.4	37.739766
257.712572	285.029967	23.5	0.000035	0.00039	0.00002	29	24.4	34.815789
253.03568	292.388522	21.6	0.000027	0.00032	0	30	21.6	35.80566
248.358788	292	20.3	0.000025	0.00029	0.00001	30	18.8	38.310043
243.681896	281.119697	17.6	0.000026	0.00029	0.00001	29	17	40.814425
246.761099	280.324381	15.4	0.000025	0.00027	0.00001	29	15.7	43.318808
254.614248	292.307674	11	0.000024	0.00028	0.00002	29	14.9	49.024274
262.467396	292.882637	9	0.000025	0.00026	0	29	14.2	55.92575
270.320545	289.854694	4.6	0.000037	0.00025	0.00002	30	14	62.827225
276.916295	287.856176	3.1	0.000069	0.00036	0.00001	29	17.7	69.728701
282.284466	294.200703	0	0.000101	0.00053	0.00003	29	25.5	72.875
287.652637	294.774043	0	0.000133	0.00073	0.00005	29	33.7	72.637357
293.020808	295.598505	0	0.000145	0.00081	0.00004	29	39.1	72.399715
297.550699	296.141324	0	0.00015	0.00085	0.00005	29	42.3	72.162072
300.086845	296.19166	0	0.000156	0.00088	0.00004	29	43.5	71.924591
302.622991	296.77548	0	0.000152	0.00085	0.00005	29	43.8	71.687456
305.159137	296.143193	0	0.000173	0.00097	0.00004	29	43.9	71.45032
308.954465	302.219184	0.4	0.000194	0.00108	0.00004	29	43.8	71.213185
327.84362	298.461629	1.2	0.000264	0.00144	0.00006	29	43.5	71.148457
346.732775	299.216167	2.2	0.000375	0.00194	0.00005	29	43	72.618324
365.62193	301.079817	4.1	0.000534	0.00264	0.00008	29	45.6	74.088192
384.511085	334.901833	5.6	0.000651	0.00307	0.00023	29	47.5	75.55806
396.157986	312.129242	8.7	0.000729	0.00316	0.00047	29	45.9	77.026944

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407.000194	306.835054	10.4	0.00085	0.00326	0.0008	29	42.4	78.445048
417.842401	307.5	14	0.000729	0.00268	0.00069	29	39.5	79.863153
428.684608	346.951646	15.5	0.000441	0.00173	0.00027	29	38.1	81.281257
435.718698	331.047551	18.5	0.000468	0.0019	0.00013	29	37.3	82.699362
441.602419	309.389139	19.4	0.000611	0.00262	0.00022	29	41.6	79.701395
447.48614	309.8	21.2	0.000706	0.00336	0.00024	29	50.6	75.515349
453.36986	333.821936	22.3	0.000625	0.00312	0.00024	29	52.2	71.329302
454.86926	357.924461	24.7	0.000536	0.00244	0.00013	29	45.8	67.143256
451.384773	309	25.7	0.0005	0.00198	0.00009	29	39.5	63.602053
447.900286	309	27.7	0.000492	0.00182	0.00014	29	36.7	60.737407
444.4158	317.821443	28.3	0.000504	0.00176	0.00011	29	34.5	57.872762
437.45509	365.494804	29.6	0.000467	0.00151	0.00011	29	31.9	55.008116
421.466204	308.907227	30.2	0.000368	0.00113	0.00004	29	30.3	52.303211
405.477318	308.234958	31.6	0.000281	0.00084	0.00007	29	29.1	49.972812
389.488431	306.831753	31.9	0.000292	0.00091	0.00011	29	27.6	47.642413
381.064855	334.862826	32.5	0.00031	0.00101	0.00022	29	25.2	45.312014
388.791675	306.264461	32.7	0.00032	0.00096	0.00035	29	22.7	45.087606
396.518495	306.726157	33	0.000359	0.00095	0.00029	29	22	47.576406
404.245314	314.946228	33.4	0.000487	0.00115	0.00036	29	22	50.065207
406.284583	346.896502	34.1	0.000584	0.00146	0.00029	29	24.8	52.554007
395.485179	305.3	34.5	0.000512	0.00159	0.00022	29	31.7	53.694755
384.685775	305.259981	35.2	0.000368	0.00132	0.00011	29	36	52.966246
373.88637	305.556509	35.2	0.000285	0.00112	0.00009	29	36.5	52.237737
369.577583	330.4475	35.1	0.000198	0.00083	0.00013	29	32.5	51.509228
382.042038	303.818917	34.5	0.000201	0.00101	0.00017	29	27.3	65.469098
394.506493	303.235583	33.1	0.000271	0.00112	0.00022	29	23.7	113.53919
406.970948	303.844412	32.9	0.000479	0.00251	0.0002	29	44.9	161.609283
418.666931	357.782125	32.6	0.00061	0.00557	0.00023	29	92.2	209.679375
418.106446	308.915534	32.8	0.000575	0.00662	0.00015	29	118	250.519159
417.54596	304.395334	33.3	0.000501	0.00565	0.00009	29	110.3	205.892991
416.985474	304.6	33.6	0.00044	0.00361	0.00009	29	80.5	161.266822
416.424988	340.920124	34.2	0.000322	0.00202	0.00005	29	62.3	116.640654
400.181284	324.525955	34.2	0.000221	0.00115	0.00007	29	51.7	72.014486
379.436476	304.6	34.1	0.000159	0.00075	0.00007	29	45.2	86.643043
358.691669	303.970756	33.1	0.000131	0.00066	0.0001	29	41.7	116.270917
337.946861	309.128763	31.1	0.000208	0.00126	0.00029	29	36.8	145.898791
338.422078	311.069018	30.2	0.000274	0.00212	0.00022	29	40.8	175.526665
353.765749	305.091803	28.4	0.00053	0.00443	0.00022	29	72.8	175.58611
369.109419	306.195392	28.9	0.000566	0.00571	0.00009	29	100.9	154.145887
384.45309	312.253144	30	0.000421	0.00467	0.00008	29	107.4	132.705663
390.636757	344.865328	30.4	0.000322	0.00339	0.00003	29	90.1	111.265439
371.673298	307.424068	31.1	0.0002	0.00177	0.00003	29	67.2	92.695985
352.70984	306.830847	30.9	0.00016	0.00121	0.00003	29	55.4	81.223709
333.746382	306.8	30.6	0.000143	0.0009	0.00002	29	47.6	69.751434
315.47451	311.353719	29.6	0.000119	0.00072	0.00006	29	43.6	58.279159
305.155882	306.430626	27.7	0.000099	0.00065	0.00005	29	41	48.104418
294.837255	306.1	25.4	0.000076	0.00059	0.00006	29	38.1	49.108434
284.518627	304.967722	20.9	0.000058	0.00054	0.00003	29	34.2	50.11245
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342.14621	304.591413	15.5	0.000204	0.00134	0.00004	29	25.9	75.186143
410.092421	307.621452	15.6	0.000845	0.00694	0.00008	29	66.4	268.404001
478.038631	312.685415	15.7	0.002348	0.04397	0.00032	29	179.7	461.621859
545.984841	410.645829	18.5	0.00273	0.09141	0.00008	29	320.5	654.839717
564.805409	347.744683	24.1	0.00265	0.115	0.00012	29	406.5	844.835796
578.767398	338.491024	28.1	0.00245	0.11436	0.00004	29	447.8	884.635605
592.729386	345.538362	36.6	0.002177	0.10569	0	29	488	924.435415
606.691374	438.535052	39.6	0.002192	0.09542	0.00015	29	449	964.235224
582.041295	399.752941	45.6	0.002035	0.09602	0	29	460.2	1004.035033
548.097491	362.801572	47.7	0.000537	0.02253	0.00002	29	344.2	819.455598
514.153688	364.6	52	0.000279	0.00989	0	29	220.1	587.280566
480.209885	397.991304	52.2	0.000147	0.00438	0.00001	29	141	355.105534
464.161235	376.496514	52.7	0.000098	0.00273	0.00001	29	97.7	122.930502
452.040789	362.570738	52.2	0.000093	0.00311	0.00003	29	79.3	167.953086

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439.920344	362.845743	51.3	0.000151	0.00327	0.00006	29	65.6	230.669136
427.799899	386.766667	50.9	0.00044	0.00366	0.00007	29	51.7	293.385185
482.98253	375.047056	50.1	0.001087	0.00538	0.00034	29	49.7	356.101235
548.400191	372.128244	50.4	0.002695	0.02585	0.00037	29	106.5	521.2836
613.817852	381.848544	51	0.002933	0.07003	0.00009	29	266	699.130341
679.235513	475.442248	52.2	0.002893	0.10236	0.00012	29	368	876.977083
707.696951	473.163065	54.8	0.001982	0.06468	0	29	327.4	1054.823824
718.606908	413.78125	56.7	0.002319	0.05302	0.0001	29	235.9	1101.989998
729.516865	421.834615	60.4	0.003382	0.06918	0	29	222.1	1093.416528
740.426822	485.000826	61.4	0.003479	0.08215	0	29	255.9	1084.843058
734.570421	545.251375	63.6	0.003593	0.08998	0	29	264.1	1076.269588
710.550463	461.505505	65.4	0.003562	0.08845	0	29	247.3	962.157845
686.530506	475.198727	69	0.001984	0.04114	0.00003	29	194	743.348771
662.510549	492.048947	70.6	0.001095	0.01522	0	29	123.7	524.539698
641.381076	555.178474	73.9	0.000771	0.00608	0.00002	29	68.7	305.730624
628.027113	485.585859	74.2	0.000702	0.00291	0	29	36.9	143.027997
614.673149	486.427609	74.7	0.000943	0.00216	0.00008	29	23.3	132.020579
601.319186	488.895565	74.6	0.000973	0.00152	0.00006	29	15.8	121.013161
587.104001	537.33866	74.3	0.000745	0.00092	0	29	11.9	110.005743
561.446871	496.262791	74.4	0.000653	0.00065	0	29	9.5	99.957674
535.789742	493.82283	74.5	0.000591	0.00051	0	29	8	99.492558
510.132612	493.734412	74.3	0.000343	0.00032	0	29	7.3	99.027442
484.475483	488.950567	74	0.000271	0.00032	0	29	6.5	98.562326
480.177127	492.038118	73.6	0.000349	0.0003	0	29	5.7	98.097209
482.222687	496.172557	72.7	0.000589	0.00035	0	29	4.8	95.057429
484.268247	497.667221	72.6	0.00067	0.0003	0.00001	29	4.1	91.337363
486.313808	497.071672	72.5	0.000505	0.00021	0.00003	29	3.6	87.617298
490.467	496.246221	72.4	0.000501	0.00018	0	29	3	83.897233
497.006446	501.947887	72.2	0.000545	0.00015	0.00001	29	2.4	79.623557
503.545892	503.343095	72.2	0.00058	0.00012	0.00001	29	2	74.773672
510.085339	504.505556	72.2	0.000727	0.00014	0.00005	29	1.9	69.923788
515.462161	509.876471	72.1	0.00077	0.00013	0.00005	29	1.8	65.073903
515.242166	506.2	71.9	0.000727	0.00012	0.00005	29	1.6	60.842287
515.022171	507.032562	71.9	0.000683	0.00009	0.00005	29	1.2	59.85658
514.802176	507.1	72	0.00067	0.00007	0	29	1	58.870872
514.328708	510.268673	72.1	0.000658	0.00005	0.00003	29	0.7	57.885165
510.979426	506.442941	72.2	0.000669	0.00004	0	29	0.5	56.925055
507.630144	505.482896	72.1	0.000678	0.00004	0.00006	29	0.5	56.190301
504.280861	504.629412	72	0.000634	0.00003	0.00005	29	0.5	55.455547
500.931579	502.164583	70.5	0.000571	0.00003	0.00006	29	0.5	54.720794
500.203666	500.736957	67.4	0.000547	0.00003	0.0001	29	0.5	53.990729
499.763783	499.388732	68.7	0.00059	0.00003	0.00003	29	0.5	53.502806
499.3239	497.157003	71.5	0.000628	0.00003	0.00008	29	0.4	53.014882
498.884018	496.43826	71.6	0.000673	0.00003	0.00003	29	0.4	52.526958
501.34539	494.210388	71.7	0.000715	0.00003	0.00001	29	0.4	52.039034
504.491732	490.825413	71.7	0.000741	0.00003	0.00003	29	0.4	55.818359
507.638073	488.203337	71.7	0.000802	0.00003	0	29	0.3	59.96875
510.784415	493.385928	71.7	0.000819	0.00003	0	29	0.3	64.119141
511.543871	486.64887	71.7	0.0008	0.00003	0	29	0.3	68.269531
511.32366	478.315654	71.7	0.000795	0.00003	0	29	0.4	91.602988
511.10345	475.053571	71.7	0.000824	0.00003	0	29	0.4	119.033799
510.88324	481.31473	71.7	0.000875	0.00003	0	29	0.4	146.464609
509.173231	476.447497	71.7	0.000906	0.00004	0	29	0.4	173.89542
506.557846	463.133559	71.7	0.000872	0.00004	0	29	0.4	177.580877
503.942462	459.578022	71.7	0.000734	0.00002	0	29	0.3	172.966675
501.327077	469.501835	71.8	0.00069	0.00002	0	29	0.3	168.352474
498.372935	460.773073	71.9	0.000718	0.00002	0	29	0.3	163.738272
495.288358	450.03234	71.9	0.000686	0.00002	0	29	0.3	153.383275
492.203781	447.261188	72	0.000653	0.00002	0	29	0.3	141.934793
489.119204	457.700917	72	0.000625	0.00002	0	29	0.3	130.486312
487.430493	450.892492	72	0.00061	0.00002	0	29	0.3	119.03783
486.33433	441.0725	72	0.000652	0.00002	0	29	0.3	112.6
485.238166	439.198077	72	0.000672	0.00001	0	29	0.2	107.247202

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12:09:12.256	75.1	1819
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484.142003	450.300307	72	0.000689	0.00001	0	29	0.2	101.894404
484.409149	445.678039	71.9	0.000683	0.00001	0	29	0.2	96.541606
485.29454	433.340336	71.9	0.000693	0.00001	0	29	0.2	96.39437
486.179931	431.701751	71.8	0.000719	0.00001	0	29	0.2	98.352754
487.065322	443.031159	71.8	0.000745	0.00001	0	29	0.2	100.311138
486.977076	442.957226	71.7	0.000742	0.00001	0	29	0.2	102.269523
486.297135	426.361356	71.8	0.000729	0.00001	0	29	0.2	105.728879
485.617193	425.118084	71.9	0.000717	0.00001	0	29	0.2	110.081157
484.937251	435.293578	71.9	0.000698	0.00001	0	29	0.2	114.433436
483.515599	439.026374	71.9	0.000689	0.00001	0	29	0.2	118.785714
481.36401	421.3975	71.9	0.000704	0.00001	0.00014	29	0.2	119.485245
479.212421	420.221068	71.9	0.000678	0.00001	0	29	0.2	118.771299
477.060831	427.111589	71.9	0.000631	0.00001	0	29	0.2	118.057354
471.698228	437.985668	71.9	0.000569	0.00001	0	29	0.2	117.343408
461.790567	416.615433	72	0.000515	0.00001	0	29	0.2	111.270347
451.882905	415.4	72.2	0.000483	0.00001	0	29	0.2	100.230552
441.975243	417.98933	72.3	0.000429	0.00001	0.00001	29	0.2	89.190757
428.411625	421.013916	72.4	0.000384	0.00001	0.00008	29	0.2	78.150963
409.521268	413.148397	72.5	0.000341	0.00001	0.00002	29	0.2	78.341149
390.630911	411.836626	72.6	0.000277	0.00001	0.00003	29	0.2	85.298119
371.740555	402.757106	72.5	0.000233	0.00001	0	29	0.2	92.255089
360.7414	399.766449	72.4	0.000208	0.00001	0	29	0.2	99.212059
354.537862	409.995597	72.4	0.000204	0.00001	0.00001	29	0.2	102.327802
348.334325	409.707411	72.3	0.000211	0.00001	0.00002	29	0.2	104.114884
342.130787	390.224166	72.2	0.00024	0.00001	0.00009	29	0.2	105.901966
339.48712	396.025745	72	0.000268	0.00001	0.00005	29	0.2	107.689048
338.220989	407.582362	72	0.000268	0.00001	0.00008	29	0.2	105.375214
336.954858	407.2	72	0.000263	0.00001	0.00006	29	0.2	102.197507
335.688727	389.979235	72	0.000261	0.00001	0.00006	29	0.2	99.0198
331.83835	389.393485	72	0.000268	0.00001	0.00009	29	0.2	95.842092
326.36335	405.948475	72	0.000274	0.00001	0.00009	29	0.2	93.168453
320.88835	405.224239	72	0.000257	0.00001	0.00016	29	0.2	90.676551
315.41335	382.719278	72	0.000239	0.00001	0.00012	30	0.2	88.18465
312.966822	381.7877	72	0.000231	0.00001	0.00015	30	0.2	85.692749
312.424186	402.9	72	0.000228	0.00001	0.00011	30	0.2	84.817123
311.88155	402.6504	72	0.000231	0.00001	0.00015	30	0.2	84.56383
311.338915	378.72907	71.9	0.000264	0.00001	0.00023	30	0.2	84.310537
321.206154	383.92	71.7	0.000317	0.00001	0.00021	30	0.2	84.057244
334.655285	401.667006	71.6	0.000362	0.00001	0.00022	30	0.2	81.455235
348.104417	401.3	71.3	0.000423	0	0.0001	30	0.1	78.167425
361.553548	390.556704	71.2	0.000489	0.00001	0.00013	30	0.1	74.879616
370.549708	393.63194	71.1	0.000552	0.00001	0.00001	30	0.1	71.591806
377.762183	399.282992	71.1	0.00057	0.00001	0.00035	30	0.1	71.400782
384.974659	398.604946	71.1	0.000552	0.00001	0.00117	30	0.1	71.889541
392.187135	397.437938	71.1	0.000451	0	0.00014	30	0.1	72.378299
396.049685	397.023681	71	0.000427	0	0.00004	30	0.1	72.867058
397.77048	396.351746	70.9	0.000449	0	0	30	0.1	72.469001
399.491275	394.764047	70.7	0.000489	0.00001	0	30	0.1	71.739606
401.21207	395.448471	70.6	0.000535	0.00001	0.0001	30	0.1	71.010212
402.918476	395.749782	70.4	0.00052	0.00001	0.00062	30	0.1	70.280817
404.609541	392.097121	70.5	0.000512	0.00001	0.00026	30	0.1	70
406.300606	390.695506	70.7	0.000517	0.00001	0	30	0.1	70
407.991671	392.440317	70.5	0.000524	0.00001	0	30	0.1	70
409.804619	393.500762	70	0.000543	0.00001	0	30	0.1	70
411.729176	386.256961	70	0.000544	0.00001	0	30	0.1	70.328411
413.653734	384.408065	70.1	0.000551	0.00001	0	30	0.1	70.837576
415.578291	389.936697	70.1	0.000554	0.00001	0	30	0.1	71.346741
417.41688	388.518998	70.2	0.000549	0.00001	0	30	0.1	71.855906
419.203888	378.70779	70.2	0.000549	0.00001	0	30	0.1	73.364415
420.990896	377.07841	70.1	0.000557	0.00001	0	30	0.1	75.267364
422.777904	383.79419	70.1	0.000533	0.00001	0	30	0.1	77.170314
423.33027	389.433857	70.1	0.0005	0	0	30	0.1	79.073264
422.566364	371.961812	70.1	0.000494	0.00001	0	30	0.1	79.388995

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172.724576	1	1.93042
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247.352261	1	1.93057
249.620253	1	1.93058
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421.512007	388.983692	70.1	0.000569	0	0	30	0	75.815865
424.942539	365.904622	70.1	0.000601	0	0.00004	30	0	75.849473
428.37307	364.644118	70.1	0.000647	0	0	30	0	78.546212
431.803602	363.11386	70.1	0.000627	0	0	30	0	81.242952
433.880484	394.931501	70	0.000586	0	0	30	0	83.939691
430.98555	360.704255	70.1	0.000542	0	0	30	0	85.398113
428.090616	359.42766	70.3	0.000504	0	0	30	0	82.847743
425.195683	358.416685	70.3	0.000485	0	0	30	0	80.297373
424.722325	387.163412	70.3	0.000526	0	0.00001	30	0	77.747003
433.525827	356.709336	70.1	0.000622	0	0	30	0	79.841463
442.329329	356.120606	69.7	0.00072	0	0	30	0	92.036585
451.132831	356.1	69.6	0.000776	0	0	30	0	104.231707
459.778571	405.896429	69.5	0.000813	0	0	30	0	116.426829
466.921429	355.3	69.5	0.000875	0	0	30	0	127.332221
474.064286	355.3	69.5	0.000887	0	0	30	0	133.528599
481.207143	354.69156	69.5	0.000929	0	0	30	0	139.724976
488.35	406.672477	69.5	0.000971	0	0	30	0	145.921354
493.386615	365.224725	69.5	0.001075	0	0	30	0	152.680441
498.176128	355.844882	69.5	0.001152	0	0	30	0	188.493113
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510.291439	356.569922	69.6	0.001016	0	0	30	0	276.234679
511.428077	357.295484	69.6	0.001003	0	0	30	0	257.944893
512.564716	409.173663	69.7	0.000994	0	0	30	0	239.655107
513.495944	383.771878	69.8	0.000969	0	0	30	0	221.365321
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515.251162	359.3	70	0.000906	0	0	30	0	205.520379
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517.851714	360	70.1	0.000962	0	0	30	0	188.715988
518.708857	360.194851	70.1	0.000963	0	0	30	0	188.239457
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520.630462	421.13549	70.1	0.000991	0	0	30	0	187.286395
522.037522	362.459865	70	0.00108	0	0	30	0	198.147496
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524.851642	370.916686	69.6	0.001071	0	0	30	0	254.024666
525.339137	427.555367	69.7	0.000989	0	0	30	0	281.963252
523.925446	364.937436	69.9	0.000984	0	0	30	0	281.958603
522.511756	366.184194	70	0.000924	0	0	30	0	244.302743
521.098065	379.391786	70.2	0.000856	0	0	30	0	206.646883
519.638484	429.622446	70.3	0.000828	0	0	30	0	168.991022
518.068702	367.961762	70.4	0.000855	0	0	30	0	145.67678
516.498921	368.591188	70.4	0.000853	0	0	30	0	142.495963
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511.773412	399.405862	70	0.000877	0	0	30	0	162.296463
513.936706	382.697743	70	0.000896	0	0	30	0	165.061424
516.1	383.4	70	0.000939	0	0	30	0	167.388087
518.263294	412.860432	70	0.000958	0	0	30	0	169.714751
519.717684	422.426445	70	0.000988	0	0	30	0	172.041415
520.630706	385.164391	70	0.001044	0	0	30	0	177.064182
521.543729	385.797857	69.9	0.001048	0	0	30	0	183.976055
522.456752	398.783352	69.9	0.000919	0	0	30	0	190.887929
521.641705	433.712996	69.9	0.000856	0	0	30	0	197.799803
518.28789	387.2	70	0.000821	0	0	30	0	191.840377
514.934076	387.387619	70.2	0.000818	0	0	30	0	174.78335
511.580261	410.225894	70.3	0.000774	0	0	30	0	157.726324
509.673182	424.466366	70.4	0.00075	0	0.00002	30	0	140.669297
509.218636	388	70.4	0.000706	0	0	30	0	135.078149
508.764091	388	70.4	0.000726	0	0.00003	30	0	136.848508
508.309545	408.869395	70.4	0.000805	0	0.00004	30	0	138.618867
510.33296	420.825597	70.3	0.000898	0	0.00001	30	0	140.389226
514.475743	388.315636	70.2	0.00097	0	0.00005	30	0	155.168621
518.618525	388.7	69.9	0.001029	0	0	30	0	176.800104
522.761308	427.209521	69.8	0.00106	0	0.00002	30	0	198.431587
524.967989	414.440588	69.6	0.000988	0	0	30	0	220.06307
526.348858	389.6	69.6	0.000934	0	0	30	0	218.861809
527.729726	389.936515	69.7	0.000983	0	0	30	0	212.580402
529.110595	428.368409	69.8	0.001055	0	0	30	0	206.298995
530.917105	415.32	70	0.001138	0	0.00005	30	0	200.017588
532.890789	391.559272	69.9	0.001201	0	0	30	0	234.054459
534.864474	391.9	69.6	0.001126	0	0	30	0	275.885556
536.838158	445.637291	69.7	0.001021	0	0	30	0	317.716654
533.132087	402.282248	70	0.000862	0	0	30	0	355.910177
528.918674	392.7	70.1	0.000821	0	0	30	0	299.428465
524.705261	392.099568	70.3	0.00083	0	0	30	0	242.946753
520.491847	442.787398	70.3	0.000819	0	0	30	0	186.465041
513.938315	403.062406	70.4	0.000746	0	0	30	0	131.021739
507.144837	393.972477	70.4	0.000649	0	0	30	0	132.229469
500.351359	393.693077	70.5	0.000604	0	0	30	0	133.437198
493.55788	428.249489	70.6	0.000583	0	0	30	0	134.644928
489.229799	406.570756	70.7	0.000575	0	0	30	0	135.852657
485.306399	393.089551	70.7	0.000571	0	0	30	0	127.788637
481.382999	393.4	70.7	0.00057	0.00001	0	30	0.1	118.436287
477.459598	411.813878	70.6	0.000562	0.00001	0	30	0.1	109.083937
474.593633	416.441806	70.5	0.00056	0.00001	0	30	0.1	99.731588
472.502875	393.907333	70.4	0.000578	0.00001	0	30	0.1	95.571937
470.412117	393.587451	70.3	0.000576	0.00001	0	30	0.1	94.859687
468.321359	402.325994	70.3	0.00056	0.00001	0	30	0.1	94.147436
453.596665	422.081613	70.3	0.000378	0	0	30	0.1	93.435185
417.174559	394.2	70.2	0.000285	0.00001	0	30	0.2	85.866635
380.752454	394.2	69.9	0.000119	0.00003	0	30	0.4	67.528935
344.330348	393.334722	69.4	0.000059	0.00003	0	30	0.5	49.191236
311.401023	356.09335	68.5	0.000041	0.00004	0	30	0.5	30.853537
295.524686	395	67.9	0.000032	0.00004	0	30	0.5	15.734945
279.64835	395	66.7	0.000032	0.00004	0	30	0.5	14.339921
263.772013	395	66.1	0.000031	0.00004	0	30	0.5	12.944897
247.895676	339.626804	64.9	0.000031	0.00003	0	30	0.5	11.549872
240.085632	375.713418	64.3	0.00003	0.00003	0	30	0.5	10.154848
233.502259	395.267542	63.1	0.00003	0.00003	0	30	0.5	9.341319
226.918885	395.388182	62.6	0.00003	0.00003	0	30	0.5	8.600395
220.335512	344.410309	61.6	0.000029	0.00003	0	30	0.5	7.859471
218.145586	364.305495	60.9	0.000029	0.00003	0	30	0.5	7.118548
217.785225	395.259907	59.6	0.000027	0.00003	0	30	0.5	15.828506
217.424865	395	59.1	0.000015	0.00002	0	30	0.5	26.338631
217.064505	333.114724	58.1	0.000025	0.00002	0	30	0.5	36.848757
247.07249	372.381502	57.7	0.000141	0.00002	0	30	0.5	47.358882

142.862104	1	1.93063
139.737769	1	1.93063
135.828125	1	1.93063
132.458292	1	1.93063
129.95209	1	1.93063
126.458824	1	1.93063
124.205586	1	1.93063
121.102405	1	1.93063
118.006192	1	1.93063
115.015385	1	1.93063
108.637874	1	1.93063
106.965812	1	1.93063
104.201638	1	1.93063
100.07431	1	1.93063
96.245902	1	1.93063
93.315385	1	1.93063
89.689888	1	1.93063
87.730435	1	1.93063
86.701818	1	1.93063
85.726619	1	1.93063
85	1	1.93063
84.547129	1	1.93063
82.837118	1	1.93063
81	1	1.93063
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79.525054	1	1.93063
78.56434	1	1.93063
77.638462	1	1.93063
76.462131	1	1.93063
75.305857	1	1.93063
73.782019	1	1.93063
72.42842	1	1.93063
71.389344	1	1.93063
70.341826	1	1.93063
68.276271	1	1.93063
66.051429	1	1.93063
63.96893	1	1.93063
62.432909	1	1.93063
61.134213	1	1.93063
59.728831	1	1.93064
59	1	1.93065
58.4143	1	1.93066
57	1	1.93067
56.922549	1	1.93068
55.939857	1	1.93069
55	1	1.93069
54.800169	1	1.9307
51.413209	1	1.93073
43.245339	1	1.93076
36.740816	1	1.9308
35.138235	1	1.93084
33.657812	1	1.93088
32.432909	1	1.93092
32	1	1.93095
31.426165	1	1.93098
31	1	1.93101
31	1	1.93104
31	1	1.93107
30.528571	1	1.9311
30	1	1.93113
30.476656	1	1.93115
31	0	1.93117
29.827362	0	1.93119

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12:11:31.256	74.6	1517
12:11:32.256	62.7	1513
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12:11:34.256	46.7	1504
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12:11:36.256	58.8	1492
12:11:37.256	64.9	1490
12:11:38.256	70.1	1487
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12:11:40.256	79	1490
12:11:41.256	68.3	1487
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12:11:56.256	36.5	1315
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12:11:58.256	31.7	1286
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12:12:01.256	91.8	1264
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12:12:06.256	71.8	1577
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12:12:09.256	75.5	1278
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12:12:24.256	0	1142
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283.701588	393.4	56.8	0.000336	0.00002	0	30	0.4	65.081236
320.330686	392.943478	56.8	0.000495	0.00002	0	30	0.3	83.272116
356.959785	380.108834	56.8	0.000552	0.00001	0	30	0.2	101.462995
373.320403	387.785554	57	0.000593	0.00001	0	30	0.2	119.653875
387.846469	390.685923	57.4	0.000661	0.00001	0	30	0.2	119.238288
402.372536	389.163077	57.6	0.000665	0.00001	0	30	0.1	117.335791
416.898602	397.175505	58	0.000487	0	0	30	0.1	115.433294
411.298669	393.789197	58.2	0.000393	0	0	30	0.1	113.530797
396.949556	384.994488	58.5	0.000316	0	0	30	0.1	107.482597
382.600444	383.611785	58.5	0.000289	0	0	30	0.1	99.830165
368.251331	377.623861	58.5	0.000244	0	0.00001	30	0.1	92.177734
363.33906	375.647772	58.3	0.000238	0	0.00003	30	0.1	84.525302
363.712009	378.768096	58	0.000255	0	0.00001	30	0.1	82.51145
364.084958	377.412541	57.9	0.000287	0	0	30	0.1	83.274809
364.457907	373.351135	57.7	0.000366	0	0	30	0.1	84.038168
368.28239	371.007609	57.6	0.000438	0	0	30	0.1	84.801527
374.231324	370.867178	57.3	0.000485	0	0	30	0.1	86.752632
380.180258	368.291272	57.4	0.000463	0	0	30	0.1	89.121053
386.129192	372.444572	57.7	0.00041	0	0	30	0	91.489474
385.876064	365.555082	57.6	0.000574	0	0	30	0	93.857895
384.261507	359.191871	57.3	0.000701	0	0	30	0	91.536688
382.64695	356.1	57.5	0.000452	0	0	30	0	88.916143
381.032394	364.611364	57.9	0.000214	0	0	30	0	86.295597
354.412547	352.921429	57.6	0.00015	0	0	30	0	81.803859
325.559113	349.327559	57	0.000077	0	0	30	0.1	64.093048
296.705679	346.48091	56.5	0.000046	0.00001	0	30	0.1	46.382236
272.306031	312.616129	55.5	0.000034	0.00001	0	30	0.1	28.671425
263.697082	341.521094	55	0.000017	0	0	30	0.1	20.559845
255.088132	339.880469	54	0.000013	0	0	30	0.1	30.999272
246.479183	338.933584	53.5	0.000014	0	0	30	0.1	41.438699
238.69794	288.724331	52.6	0.000023	0	0	30	0.1	51.878126
237.752944	336.664971	54.1	0.000037	0	0	30	0.1	60.736667
236.807948	336.081151	57.1	0.000054	0	0	30	0.1	64.054989
235.862951	334.733824	54.9	0.000074	0	0	30	0	67.373311
234.917955	291.162755	50.3	0.000073	0	0.00001	30	0	70.691633
264.057306	324.895388	50	0.000094	0	0.00002	30	0	74.285613
293.77933	331.348376	49.3	0.000197	0	0.00001	30	0	169.489791
323.501354	330.9	49.1	0.000442	0	0.00004	30	0	264.69397
353.223378	339.89285	48.6	0.000766	0	0.00011	30	0	359.898148
378.052295	335.214244	48.7	0.001084	0	0.00034	30	0	455.102327
401.436097	329.822015	48.9	0.001036	0	0.00023	30	0	422.940079
424.819899	330.2	49.3	0.00075	0	0.00004	30	0	357.124754
448.203701	360.289785	50.1	0.000607	0	0.00008	30	0	291.30943
450.942861	360.988696	50.2	0.000557	0	0.00011	30	0	225.494106
440.538377	330.9	50.4	0.000289	0	0.00011	30	0	220.350599
430.133894	330.9	50.1	0.000279	0	0.00002	30	0	238.918886
419.72941	346.486111	49.6	0.000416	0	0.00006	30	0	257.487173
422.805195	355.286997	49.3	0.000533	0	0.00004	30	0	276.055461
438.989011	331.919593	48.7	0.000697	0	0.00002	30	0	279.185718
455.172827	332.619313	48.5	0.001045	0	0.00005	30	0	273.092615
471.356643	360.256282	48.2	0.000745	0	0	30	0	266.999513
457.760725	379.861237	48.3	0.000318	0	0	30	0	260.90641
414.740297	334.697969	48.4	0.000115	0.00001	0	30	0.2	227.085624
371.719869	335.2	47.7	0.000064	0.00002	0	30	0.4	167.975918
328.699441	330.978889	46.3	0.000039	0.00002	0	30	0.4	108.866213
297.291792	323.716667	45.4	0.000029	0.00002	0	30	0.4	49.756507
283.971565	336	43.5	0.000021	0.00002	0	30	0.4	14.273552
270.651339	336.044696	41.6	0.00002	0.00002	0	30	0.4	12.510327
257.331113	332.170495	37.7	0.000022	0.00002	0	30	0.4	10.747103
246.656804	302.242237	36.1	0.000021	0.00002	0	30	0.4	8.983879
241.553711	336.892164	32.9	0.00002	0.00002	0	30	0.4	11.896725
236.450619	337.5	31.4	0.000016	0.00001	0	30	0.4	20.712846
231.347526	330.382202	28.5	0.000013	0.00001	0	30	0.4	29.528967

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33.340217	0	1.93123
39.886541	0	1.93124
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48.856018	1	1.93127
47.72779	1	1.93127
46.304432	1	1.93127
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36.749746	1	1.93134
33.805501	1	1.93136
31.931472	1	1.93138
31.085448	1	1.9314
29.159672	1	1.93142
27.955386	1	1.93144
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12:13:08.256	0	1235
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12:13:10.256	41.6	1132
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12:13:12.256	99.6	1153
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12:13:27.256	91.3	1594
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235.324515	300.185167	27.9	0.000021	0.00001	0	30	0.4	38.345088
250.764595	337.5	26.8	0.000048	0.00001	0	30	0.4	53.108122
266.204674	337.5	26.6	0.000114	0.00001	0	30	0.4	74.523635
281.644754	332.640034	26.2	0.000227	0.00001	0	30	0.4	95.939149
287.192202	323.174847	26.5	0.000327	0.00002	0	30	0.4	117.354662
279.078398	338.9	27.2	0.000226	0.00002	0	30	0.3	120.548462
270.964594	339.157582	27.3	0.000065	0.00001	0	30	0.3	113.625385
262.85079	322.371744	27.5	0.00004	0.00001	0	30	0.3	106.702308
264.457895	321.073529	27.4	0.000055	0.00001	0	30	0.3	99.779231
271.92247	339.294576	27.2	0.000104	0.00001	0	30	0.3	103.673153
279.387045	339.7	27.1	0.000142	0.00001	0	30	0.3	111.308621
286.851619	326.327113	26.9	0.000176	0.00001	0.00001	30	0.3	118.944089
283.406909	328.516279	27.3	0.000205	0.00001	0.00001	30	0.3	126.579557
274.637427	340.4	28.2	0.000201	0.00001	0.00001	30	0.3	119.903972
265.867946	340.4	28.2	0.000158	0.00001	0.00005	30	0.3	106.586215
257.098465	330.34313	28.2	0.000113	0.00001	0.00001	30	0.3	93.268458
248.818005	307.384307	28.1	0.000069	0.00001	0.00002	30	0.3	79.950701
241.359572	340.25825	27.8	0.000048	0	0	30	0.3	69.039573
233.90114	339.7	27.4	0.000035	0	0	30	0.3	61.693602
226.442708	338.297704	26.7	0.00003	0.00001	0	30	0.3	54.34763
219.507707	282.468873	26.5	0.000026	0.00001	0	30	0.3	47.001659
215.260511	339.7	26.1	0.00002	0.00001	0	30	0.3	40.956542
211.013314	339.7	25.9	0.000017	0.00001	0	30	0.3	40.719069
206.766118	339.044158	25.5	0.000018	0	0	30	0.3	40.481596
202.518921	282.62127	25	0.000025	0.00001	0	30	0.3	40.244123
241.613529	326.348535	23.8	0.000071	0.00001	0	30	0.3	40.006649
281.956667	340.220779	23.6	0.000309	0.00001	0	30	0.3	127.427304
322.299804	340.4	23.1	0.000645	0.00001	0	30	0.2	217.37309
362.642941	350.605714	24	0.000925	0.00001	0.00118	30	0.1	307.318876
385.62581	343.072665	25.9	0.001157	0.00001	0.00134	30	0.1	397.264662
406.506762	337.796639	27.3	0.001294	0.00001	0.00021	30	0.1	363.758537
427.387714	335.471739	30.2	0.000726	0.00001	0	30	0.1	318.636585
448.268667	368.250511	29.9	0.000717	0.00001	0	29	0.1	273.514634
449.874456	355.246638	29.2	0.00074	0.00001	0	29	0.1	228.392683
442.901126	330.469661	32.1	0.000669	0.00001	0	29	0.1	203.173638
435.927795	328.774864	38.1	0.000493	0	0	29	0.1	182.502432
428.954465	351.028907	38.5	0.000378	0	0	29	0.1	161.831226
409.813664	350.465675	39.4	0.000265	0.00001	0	29	0.2	141.160019
382.728811	325.477834	39.2	0.000155	0	0	29	0.2	119.989309
355.643958	324.851569	38.8	0.000103	0.00001	0	29	0.3	98.606557
328.559105	322.564706	38.1	0.000063	0	0	29	0.3	77.223806
317.36604	320.478857	36.6	0.000042	0	0	29	0.3	55.841055
322.581567	322.608227	35.1	0.000035	0	0	29	0.3	89.228469
327.797095	321.998285	32	0.00006	0.00001	0	29	0.3	178.941388
333.012622	322.477245	31.1	0.000263	0.00001	0	29	0.3	268.654306
343.871524	326.875294	29.3	0.000543	0.00002	0.00011	29	0.3	358.367225
368.347714	319.72	29.6	0.000763	0.00001	0.00022	29	0.2	432.273015
392.823905	318.543529	30.3	0.000885	0.00001	0.00025	29	0.1	471.483926
417.300095	317.837819	30.7	0.000798	0.00001	0.00012	29	0.1	510.694837
440.281019	377.020649	31.5	0.000498	0	0.00005	29	0.1	549.905748
448.679078	317.125083	31.7	0.000454	0	0	29	0.1	573.531688
457.077136	317.708417	32.2	0.000487	0	0	29	0.1	537.452884
465.475194	318.379666	32.1	0.000846	0.00001	0	29	0.1	501.37408
473.873252	384.222477	31.9	0.000874	0.00001	0	29	0.1	465.295277
468.563167	333.536726	32.3	0.000543	0.00001	0	29	0.1	429.216473
462.87269	321.159729	33.1	0.000405	0	0	29	0.1	385.216667
457.182214	321.842647	33	0.000549	0.00001	0	29	0.1	341.169048
451.491738	363.342363	32.7	0.000596	0.00001	0	29	0.1	297.121429
463.560264	348.307367	32.7	0.000445	0.00001	0	29	0.1	253.07381
480.843918	326.911346	32.8	0.000868	0.00001	0	29	0.1	389.416855
498.127572	329.273196	32.9	0.00118	0.00001	0	29	0.1	572.561509
515.411226	378.324159	33.1	0.00185	0	0	29	0	755.706164
544.436838	377.163088	34.2	0.002181	0.0015	0	29	7.8	938.850818

25	0	1.93149
24.788673	0	1.9315
23.098056	0	1.93151
24.052273	0	1.93152
26.52	0	1.93154
33.834459	0	1.93156
46.264544	1	1.93157
41.240636	1	1.93158
37.139282	1	1.93159
32.925487	1	1.9316
31	1	1.93161
30.634343	1	1.93162
30.368682	1	1.93163
31.850781	1	1.93164
34	1	1.93165
33.935052	1	1.93166
33	1	1.93167
32.930833	1	1.93167
32.0975	1	1.93167
30.270323	1	1.93168
29.11951	1	1.93169
28.134314	1	1.9317
27.275399	1	1.93171
26.334653	1	1.93171
25.338	1	1.93172
24.350343	1	1.93173
20.431082	1	1.93174
19.149284	1	1.93175
28.92057	1	1.93176
39.730845	1	1.93177
44.977985	1	1.93178
48.977429	1	1.93179
50.42784	1	1.9318
48.445295	1	1.93181
48.612421	1	1.93182
48	1	1.93182
48	1	1.93182
47.321925	1	1.93183
45.676271	1	1.93183
44.603533	1	1.93184
42.634	1	1.93184
40.461765	1	1.93184
37.589076	1	1.93184
35.068067	1	1.93185
30.090817	1	1.93186
15.02947	1	1.93188
24.852652	1	1.93189
33.333333	1	1.9319
39.732809	1	1.93191
47.460905	1	1.93191
45.503226	1	1.93191
43.527106	1	1.93191
42.328754	1	1.93192
42.677189	1	1.93193
43.670265	1	1.93194
43.437765	1	1.93194
40.627701	1	1.93195
38	1	1.93196
42.270138	1	1.93197
39.900763	1	1.93198
31.915392	1	1.93199
39.621181	1	1.93199
44.135922	1	1.93349

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12:13:43.256	47.8	1512
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12:13:48.256	62.4	1528
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12:13:50.256	75.5	1540
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12:13:52.256	90.9	1589
12:13:53.256	83.7	1623
12:13:54.256	77	1658
12:13:55.256	78.1	1678
12:13:56.256	83.2	1691
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12:13:58.256	13.9	1687
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580.8754	347.23748	36.5	0.002369	0.00532	0.00002	29	25.4	921.25
617.313961	355.204726	38.6	0.002515	0.01268	0	29	54.9	859.284188
653.752522	432.7318	42.9	0.002343	0.01772	0	29	75.6	797.318376
647.723916	452.626078	45.1	0.001088	0.0085	0	29	68.6	735.352564
614.429854	375.199256	49.8	0.000791	0.00336	0	29	37.6	628.387918
581.135792	377.442773	50.8	0.000757	0.00162	0	29	19.1	492.288937
547.84173	394.905498	52.8	0.000622	0.00054	0	29	7.7	356.189956
523.897114	434.312215	53.2	0.000687	0.00022	0	29	2.9	220.090975
516.217975	382.873243	54.1	0.001062	0.00016	0	29	1.5	156.480554
508.538836	386.025664	54.7	0.00081	0.00011	0	29	1.2	169.84252
500.859697	395.062822	55.8	0.000305	0.00005	0	29	1.3	183.204486
490.24462	433.935209	56.4	0.00021	0.00004	0	29	1.3	196.566452
471.928025	388.795339	57.7	0.000195	0.00004	0	29	1.3	198.280245
453.61143	389.558051	57.8	0.000184	0.00004	0	29	1.3	172.022577
435.294835	389.6	58.1	0.000185	0.00003	0.00004	29	1.1	145.764908
418.156634	403.778827	58.2	0.000207	0.00003	0.00005	29	1.1	119.507239
412.376146	389.638547	58.5	0.000207	0.00003	0.00007	29	1	98.733706
406.595659	390.270458	58.5	0.000215	0.00003	0.00011	29	0.9	97.517753
400.815171	391.665924	58.6	0.000248	0.00004	0.00008	29	0.9	96.3018
395.034683	393.250511	58.7	0.000307	0.00004	0.00012	29	0.8	95.085846
426.488302	393.40296	58.8	0.000434	0.00004	0.00004	29	0.7	133.518633
458.166675	396.547377	59	0.001012	0.00007	0.0002	29	0.7	502.85165
489.845047	399.661176	59.4	0.00142	0.0005	0.00017	29	3.6	872.184667
521.52342	448.631224	60	0.001528	0.00336	0.00004	29	21.8	1241.517683
525.027119	423.475369	61.1	0.001319	0.00408	0.00015	29	28.6	1610.8507
524.133615	409.96819	62	0.000801	0.00232	0	29	25.9	1329.013568
523.240111	411.2	64	0.000679	0.00107	0.00003	29	14.6	969.968342
522.346607	442.825904	64.3	0.000723	0.00054	0.00001	29	7.2	610.923116
490.550983	427.886042	64.8	0.000302	0.00012	0.00004	29	2.7	251.877889
446.974994	411.497086	64.7	0.000156	0.00005	0	29	1.1	176.292239
403.399004	411.651784	64.4	0.000107	0.00007	0	29	1.1	127.377839
359.823014	392.464461	64	0.000053	0.00008	0	29	1.1	78.463439
334.7348	403.053236	63.3	0.000037	0.00008	0	29	1.1	29.549039
314.011437	411.2	62.8	0.00003	0.00007	0	29	1.1	20.568043
293.288074	410.789764	61.9	0.000027	0.00007	0	29	1.1	15.681652
272.564712	371.180163	61.4	0.000015	0.00004	0	29	1.1	10.79526
303.960463	383.438967	60.4	0.000095	0.00005	0	29	0.9	5.908869
355.927637	409.6	59.9	0.000421	0.00006	0	29	0.8	174.398436
407.894811	409.245825	59	0.001029	0.00007	0.00008	29	0.6	382.504622
459.861984	424.665432	59.2	0.001226	0.00109	0.00001	29	8.6	590.610808
500.018859	427.58932	59.6	0.0006	0.00162	0.00002	29	21.3	798.716995
531.410599	405.212299	60.2	0.001136	0.00266	0	29	21.7	870.900718
562.802339	404.068682	61.3	0.002015	0.00622	0.00001	29	33.1	850.565789
594.19408	427.498558	61.8	0.002106	0.01326	0.00004	29	66.5	830.230861
606.773411	478.073684	62.8	0.001292	0.01076	0	29	74.5	809.895933
589.30175	397.69688	64	0.000738	0.00412	0	29	50.6	739.843821
571.830089	395.746802	66.5	0.000984	0.00243	0	29	24.8	599.708448
554.358428	402.852477	66.9	0.00097	0.00117	0	29	12.1	459.573076
539.647422	452.094904	67.7	0.000915	0.00047	0	29	5.1	319.437704
530.618131	393.86875	68	0.001022	0.00025	0	29	2.3	231.817383
521.58884	392.744608	68.7	0.000781	0.00011	0	29	1.2	214.95678
512.55955	395.979381	69	0.000547	0.00006	0	29	0.9	198.096177
505.039844	444.852161	69.5	0.000572	0.00005	0	29	0.8	181.235573
503.712515	392.661745	69.5	0.000524	0.00004	0	29	0.7	166.830416
502.385186	391.990604	69.5	0.000511	0.00003	0	29	0.6	161.390492
501.057857	392.566025	69.5	0.000727	0.00005	0	29	0.6	155.950568
499.730529	438.257732	69.4	0.000835	0.00004	0	29	0.5	150.510643
495.602156	401.824031	69.5	0.000817	0.00004	0	29	0.5	145.070719
491.407844	393.730859	69.7	0.00067	0.00004	0	29	0.5	142.890024
487.213531	394.2	69.8	0.000578	0.00003	0	29	0.5	140.752257
483.019218	422.136122	70.1	0.000557	0.00003	0	29	0.4	138.614489
480.244165	411.75524	70.1	0.000549	0.00003	0	29	0.4	136.476722
477.924701	396.170593	70.2	0.000558	0.00003	0	29	0.4	127.263397

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94.456	1	1.96921
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52.35525	1	1.98269
43.834694	1	1.98323
40.674367	1	1.98345
36.720102	1	1.98361
35.023749	1	1.98372
36.92955	1	1.98377
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32.1	1	1.98385
29.568792	1	1.98389
27.434783	1	1.98392
26.191555	1	1.98395
25.10451	1	1.98398
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24.335463	1	1.98405
23.294542	1	1.98409
22.232258	1	1.98413
21.346122	1	1.9842
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32.72428	1	1.98806
47.45776	1	1.99214
51.102263	1	1.99446
45.78756	1	1.99553
38.1798	1	1.99607
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35.05171	1	1.99624
31.015464	1	1.99631
25.230256	1	1.99639
19.806589	1	1.99647
16.57438	1	1.99654
14.645631	1	1.99661
13.631463	1	1.99665
12.547771	0	1.9967
7.2	0	1.99676
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10.213048	0	1.99792
36.745098	0	1.99954
53.925234	0	2.0022
28.151335	1	2.00842
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45.877934	1	2.03899
33.294785	1	2.04016
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27.856661	1	2.04088
26.17032	1	2.04099
25.113412	1	2.04105
23.193878	1	2.0411
21.222004	1	2.04114
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20.328431	1	2.04122
19.325558	1	2.04126
18.329714	1	2.0413
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475.605237	396.6	70.2	0.000547	0.00003	0	29	0.4	116.019378
473.285772	413.634729	70.2	0.000593	0.00002	0	29	0.3	104.775359
473.398114	418.070931	70.1	0.000651	0.00002	0	29	0.3	93.53134
475.307878	397.955508	70	0.000696	0.00003	0	29	0.3	93.414838
477.217641	399.101371	69.9	0.000727	0.00003	0	29	0.3	100.809876
479.127405	409.504948	69.7	0.000711	0.00003	0	29	0.3	108.204914
480.053092	429.897743	69.8	0.000662	0.00003	0	29	0.4	115.599952
479.413433	401.463576	70	0.000615	0.00002	0	29	0.4	119.518774
478.773774	402.069382	70	0.000604	0.00002	0	29	0.4	118.330561
478.134115	402.100617	70.1	0.000653	0.00002	0.00002	29	0.3	117.142348
478.156845	438.508482	70.1	0.000679	0.00002	0	29	0.3	115.954135
481.531666	402.9	70.1	0.000716	0.00002	0	29	0.3	115.047129
484.906486	402.9	70	0.000786	0.00002	0	29	0.3	115.286364
488.281307	403.655644	69.9	0.000809	0.00002	0	29	0.3	115.525598
491.656127	441.769175	69.9	0.000824	0.00002	0	29	0.3	115.764833
492.124892	409.979109	69.9	0.000844	0.00002	0	29	0.3	116.043049
492.555381	403.8	69.9	0.000819	0.00002	0	29	0.3	118.575336
492.98587	403.8	69.9	0.000823	0.00002	0	29	0.3	121.107622
493.287229	444.007973	69.9	0.0008	0.00002	0	29	0.3	123.639909
490.319582	407.385034	69.9	0.000809	0.00002	0	29	0.3	126.347445
487.351934	402.290508	69.9	0.000766	0.00002	0	29	0.3	131.456934
484.384286	402.1	70	0.000687	0.00002	0	29	0.3	136.566423
481.416638	433.127441	70.1	0.000605	0.00002	0	29	0.3	141.675912
475.274607	409.401929	70.3	0.000547	0.00002	0	29	0.3	146.785401
468.882597	400.759203	70.3	0.000509	0.00002	0	29	0.3	130.621842
462.490587	400.5	70.4	0.000489	0.00001	0	29	0.3	113.525644
456.098577	421.535953	70.4	0.000451	0.00001	0	29	0.3	96.429446
444.169467	402.7125	70.5	0.000413	0.00001	0	29	0.3	79.95
431.771926	398.9	70.6	0.000379	0.00001	0.00002	29	0.3	78.667949
419.374385	398.369859	70.7	0.000349	0.00001	0.00005	29	0.3	77.385897
407.147701	402.177816	70.7	0.000337	0.00001	0	29	0.3	76.103846
404.242193	397.52111	70.7	0.000331	0.00001	0	29	0.3	75.273892
401.336685	396.788125	70.6	0.000329	0.00001	0	29	0.3	77.244335
398.431177	396.6	70.4	0.000341	0.00001	0	29	0.3	79.214778
395.921323	395.761503	70.4	0.000368	0.00001	0	29	0.3	81.185222
399.610043	395.056794	70.3	0.000399	0.00001	0	29	0.3	82.868646
403.298762	395	70.2	0.000407	0.00001	0	29	0.3	81.205938
406.987482	395	70.1	0.000438	0.00001	0.00018	29	0.3	79.54323
410.676202	400.405822	70.1	0.000504	0.00002	0.00017	29	0.3	77.880523
414.316977	396.694742	70	0.000534	0.00002	0.00001	29	0.3	76.217815
417.949818	393.72817	69.9	0.000541	0.00002	0.00002	29	0.3	76.429136
421.582659	393.04451	69.7	0.000542	0.00002	0	29	0.3	76.922963
425.2155	402.279078	69.8	0.00051	0.00002	0	29	0.3	77.41679
427.808998	398.838	70	0.000507	0.00002	0.00009	29	0.3	77.910617
430.016129	392.288125	70	0.000526	0.00002	0.00006	29	0.3	78
432.22326	391.570793	70	0.000549	0.00002	0.00013	29	0.3	78
434.43039	401.449489	70	0.000577	0.00002	0.00013	29	0.3	78
437.056304	401.682085	70	0.000609	0.00002	0.00006	29	0.3	78
439.954496	390.791647	70	0.00062	0.00002	0.00005	29	0.3	79.912582
442.852688	390.4	69.9	0.000618	0.00002	0.00001	29	0.3	82.568945
445.750879	402.611843	69.9	0.000611	0.00002	0.00003	29	0.3	85.225308
447.555585	406.018288	69.9	0.000608	0.00002	0	29	0.3	87.881671
448.532008	389.279661	69.9	0.000628	0.00002	0.00002	29	0.3	89.691096
449.508431	388.535777	70	0.000629	0.00002	0.00001	29	0.3	90.884698
450.484854	394.8975	70	0.000612	0.00002	0.00001	29	0.3	92.0783
451.496429	411.697096	70	0.000617	0.00002	0.00005	29	0.3	93.271903
452.567857	387.050169	70	0.00063	0.00002	0.00001	29	0.3	94.464175
453.639286	386.4	70	0.000634	0.00002	0.00003	29	0.3	95.654368
454.710714	387.071569	70	0.000631	0.00002	0.00001	29	0.3	96.844561
454.93186	418.916246	70.1	0.000621	0.00002	0	29	0.3	98.034754
451.001628	384.888116	70.1	0.000581	0.00002	0	29	0.3	98.252791
447.071395	384.262627	70.1	0.000546	0.00002	0	29	0.3	94.299302
443.141163	383.593151	70.2	0.000496	0.00001	0	29	0.3	90.345814

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21.898305	1	2.04254
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439.21093	403.908988	70.3	0.00046	0.00001	0	29	0.3	86.392326
432.121747	390.151371	70.3	0.000429	0.00001	0.00003	29	0.3	82.438837
424.560538	382.6	70.4	0.00041	0.00001	0	29	0.3	78.157061
416.999328	382.156811	70.4	0.000398	0.00001	0.00006	29	0.3	73.834294
409.438118	388.861467	70.5	0.000403	0.00001	0.00003	29	0.3	69.511527
408.648632	386.451077	70.4	0.00043	0.00001	0.00001	29	0.3	65.188761
410.706349	380.586131	70.2	0.000466	0.00001	0.00004	29	0.3	64.373423
412.764065	379.93913	70.2	0.00051	0.00002	0.00001	29	0.3	64.888488
414.821782	387.930612	70.1	0.000531	0.00002	0.00004	29	0.3	65.403554
415.4	385.041003	70	0.000532	0.00002	0	29	0.3	65.91862
415.4	378.6	69.9	0.000518	0.00002	0.00017	29	0.3	66.443041
415.4	378.6	70	0.000479	0.00001	0.00002	29	0.3	66.969219
415.4	392.547727	70.2	0.000444	0.00001	0	29	0.3	67.495396
411.23236	380.345652	70.2	0.000425	0.00001	0.00002	29	0.3	67.924908
406.707235	377.248751	70.2	0.000419	0.00001	0	29	0.3	66.093407
402.18211	377.1	70.2	0.000415	0.00001	0.00006	29	0.3	64.261905
398.103518	387.638025	70.2	0.000417	0.00001	0.00002	29	0.3	62.430403
397.299497	376.432813	70.2	0.000428	0.00001	0.00005	29	0.3	60.892038
396.495477	376.979688	70.1	0.000442	0.00001	0.00007	29	0.3	60.399063
395.691457	377.1	70.1	0.000442	0.00001	0.00005	29	0.3	59.906088
394.079749	385.527104	70.1	0.000415	0.00001	0.00001	29	0.3	59.413113
387.506525	376.427299	70.1	0.000388	0.00001	0	29	0.3	59.521158
380.933301	376.4	70.2	0.000362	0.00001	0.00003	29	0.3	62.738184
374.360077	375.718896	70.3	0.000338	0.00001	0	29	0.3	65.955209
367.803158	372.174055	70.4	0.000318	0.00001	0	29	0.3	69.172235
369.382105	375.434674	70.4	0.000313	0.00001	0	29	0.3	72.27225
370.961053	375.6	70.3	0.000323	0.00002	0	29	0.3	74.52225
372.54	375.6	70.2	0.000354	0.00001	0	29	0.3	76.77225
374.184272	374.934278	70.1	0.000404	0.00001	0	29	0.3	79.02225
381.20695	375.568548	70	0.00046	0.00001	0.00001	29	0.3	80.911377
388.229627	374.996072	69.9	0.000513	0.00002	0	29	0.3	80.178955
395.252304	374.8	69.9	0.000531	0.00002	0	29	0.3	79.446533
402.274982	385.834107	69.9	0.000515	0.00002	0	29	0.3	78.714111
400.938193	376.754783	69.9	0.000501	0.00002	0	29	0.3	77.921573
398.784728	374.31937	69.9	0.000472	0.00001	0	29	0.3	74.784508
396.631262	374.1	70	0.00043	0.00001	0	29	0.3	71.647442
394.477797	381.490615	70.3	0.000412	0.00001	0.00006	29	0.3	68.510376
395.476116	376.184412	70.3	0.000423	0.00001	0.00004	29	0.3	65.373311
396.941233	373.2	70.2	0.000448	0.00001	0.00003	29	0.3	65.205313
398.406349	372.854118	70.2	0.000493	0.00002	0.00003	29	0.3	65.438359
399.871465	378.435765	70.1	0.000533	0.00002	0	29	0.3	65.671405
406.930548	380.023258	70	0.000573	0.00002	0	29	0.3	65.904451
418.192452	371.347737	69.9	0.000672	0.00001	0	29	0.2	72.463444
429.454357	370.704859	69.7	0.000765	0.00001	0	29	0.2	83.418433
440.716262	378.890834	69.4	0.00078	0.00001	0	29	0.2	94.373422
448.162456	398.824054	69.5	0.000781	0.00001	0	30	0.2	105.328412
449.139428	368.4625	69.6	0.000681	0.00001	0	30	0.2	113.182368
450.116399	367.8375	69.7	0.000609	0.00001	0	29	0.2	116.206327
451.093371	367.062022	70	0.000622	0.00001	0	29	0.2	119.230286
452.346667	406.967028	70	0.000707	0.00001	0	30	0.2	122.254245
457.161481	369.002595	70	0.000783	0.00001	0	30	0.1	124.976104
461.976296	364.914516	70	0.000795	0.00001	0	29	0.1	124.716364
466.791111	364.057158	69.9	0.000808	0.00001	0	29	0.1	124.456623
471.53001	411.299319	69.9	0.000824	0.00001	0	29	0.1	124.196883
472.894124	362.3	69.9	0.000796	0.00001	0	29	0.1	124.493626
474.258237	362.298403	69.9	0.000806	0.00001	0	29	0.1	126.533401
475.62235	364.504021	69.9	0.000809	0.00001	0	29	0.1	128.573177
476.343031	412.938172	70	0.000765	0.00001	0.00053	30	0.1	130.612953
474.643176	359.910709	70.1	0.000693	0.00001	0	30	0.1	133.012412
472.943322	359.359528	70.1	0.000651	0.00001	0	29	0.1	136.176199
471.243468	359.3	70.2	0.000631	0.00001	0	29	0.1	139.339985
469.840722	412.88629	70.2	0.000666	0.00001	0	29	0.1	142.503772
471.370311	358.364475	70.2	0.000708	0.00001	0	30	0.1	144.070939

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474.429488	358.367756	70.1	0.000759	0.00001	0	30	0.1	135.264677
476.13234	416.081735	70.1	0.000751	0.00001	0	30	0.1	130.861546
479.327919	360.64002	70	0.000804	0.00001	0.00025	29	0.1	127.237108
482.523498	359.070985	69.7	0.000835	0.00001	0.00067	29	0.1	129.164819
485.719077	359.3	69	0.000831	0.00001	0.00001	29	0.1	131.09253
488.914656	411.013734	69.2	0.000834	0.00001	0	29	0.1	133.020241
490.815803	371.33998	69.6	0.000842	0.00001	0	30	0.1	134.947952
492.63725	359.821154	69.7	0.000866	0.00001	0.00024	30	0.1	137.239069
494.458697	360.564384	70	0.000865	0.00001	0	30	0.1	139.540271
496.249363	422.221806	70	0.000876	0.00001	0	30	0.1	141.841473
497.371239	368.627326	70	0.000859	0.00001	0	30	0.1	143.983765
498.493116	362.3	70	0.000867	0	0.00001	30	0	143.721917
499.614992	362.945339	69.9	0.000862	0	0.00004	30	0	143.460068
500.981641	432.102935	69.9	0.00087	0	0	30	0	143.198219
504.109846	364.6	69.9	0.000916	0	0.00006	30	0	144.737044
507.238051	364.6	69.9	0.000939	0	0.00001	30	0	151.885371
510.366256	365.375862	69.9	0.000961	0	0	29	0	159.033699
513.421755	431.580032	69.9	0.000987	0	0.00002	30	0	166.182027
516.222456	367.101875	69.9	0.001051	0	0	30	0	178.69563
519.023156	367.726875	69.8	0.001075	0	0.00005	30	0	202.301858
521.823856	368.583149	69.7	0.001071	0	0	30	0	225.908086
524.598737	437.996522	69.7	0.00108	0	0.00005	30	0	249.514314
527.283654	370.224535	69.7	0.001088	0	0.00033	30	0	275.503107
529.968571	370.9	69.7	0.001137	0	0	30	0	306.035396
532.653488	388.035455	69.7	0.001163	0	0	30	0	336.567684
534.405603	423.406463	69.7	0.001159	0	0	30	0	367.099973
534.890517	372.750954	69.7	0.001133	0	0	30	0	379.849634
535.375431	373.620293	69.8	0.001099	0	0	30	0	382.726203
535.860345	421.360308	69.9	0.00108	0	0	30	0	385.602772
536	404.222703	69.9	0.001087	0	0	30	0	388.479341
536	375.636535	70	0.001097	0	0	30	0	384.007315
536	377.034801	70	0.001116	0	0	30	0	377.911241
536	415.402523	70	0.001114	0	0	30	0	371.815167
537.005856	415.22306	70	0.001145	0	0	30	0	365.719093
538.657508	378.95195	70	0.00115	0	0	30	0	380.881705
540.309159	379.648458	70	0.001188	0	0	30	0	404.393828
541.960811	414.430864	69.9	0.001165	0	0	30	0	427.905952
539.766989	424.233366	70	0.001071	0	0	30	0	451.418075
535.145437	382.904262	70.1	0.000954	0	0	30	0	413.755597
530.523886	383.4	70.2	0.000813	0	0	30	0	340.929767
525.902334	399.621737	70.5	0.000815	0	0	30	0	268.103936
519.530884	436.737755	70.6	0.000723	0	0	30	0	195.278105
510.205302	384.9	70.9	0.00062	0	0	30	0	146.530945
500.879721	384.9	70.9	0.000556	0	0	30	0	135.130293
491.55414	384.9	70.9	0.000478	0	0	30	0	123.729642
482.508792	431.480247	70.9	0.000449	0	0	30	0	112.32899
477.075352	388.076817	71	0.000454	0	0	30	0	101.407613
471.641912	384.9	70.9	0.000473	0	0	30	0	95.105621
466.208471	385.513994	70.7	0.000523	0	0	30	0	88.80363
460.879191	419.198182	70.6	0.000542	0	0	30	0	82.501639
459.974441	387.813191	70.4	0.000552	0	0	30	0	77.094028
459.069691	386.4	70.4	0.00055	0	0	30	0	77.834403
458.164941	387.02382	70.3	0.000529	0	0	30	0	78.574778
457.583767	419.186606	70.3	0.000521	0	0	30	0	79.315153
464.033025	390.888145	70.3	0.000546	0	0	30	0	80.465261
470.482283	388	70.2	0.000641	0	0	30	0	86.668734
476.931541	388.49735	69.9	0.000758	0	0	30	0	92.872208
483.380798	426.366011	69.8	0.000808	0	0	30	0	99.075682
482.151502	395.803457	69.6	0.000841	0	0	30	0	105.512249
480.388403	391.304064	69.6	0.000795	0	0	30	0	116.89557
478.625304	391.9	69.7	0.000645	0	0	30	0	128.278891
476.862205	425.325179	69.9	0.000532	0	0	30	0	139.662212

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475.55537	399.618172	70.4	0.000514	0	0	30	0	150.941766
474.294764	393.201271	70.4	0.000543	0	0	30	0.1	136.383294
473.034158	393.4	70.4	0.00059	0.00001	0	30	0.1	121.824821
471.773552	419.114883	70.3	0.00062	0.00001	0	30	0.1	107.266348
469.668973	407.5125	70.2	0.000623	0.00001	0	30	0.1	92.707876
467.330497	394.2	70.2	0.000606	0.00001	0	30	0.1	90.399215
464.99202	394.58311	70.1	0.000579	0.00001	0	30	0.1	90.889652
462.653544	411.651685	70.1	0.000533	0.00001	0	30	0.1	91.380088
461.069182	409.920213	70.2	0.000499	0	0	30	0.1	91.870525
459.918286	395	70.2	0.000522	0.00001	0	30	0.1	90.068241
458.767391	395	70.2	0.000552	0.00001	0	30	0.1	87.44357
457.616496	412.204392	70.2	0.000595	0.00001	0	30	0.1	84.818898
459.604537	404.399519	70.2	0.000664	0.00001	0	30	0.1	82.194226
462.783209	396.279058	70.1	0.000697	0.00001	0	30	0.1	88.392738
465.961882	396.6	70	0.000669	0.00001	0	30	0.1	95.296344
469.140554	421.300274	70	0.000674	0.00001	0	30	0.1	102.199949
470.416522	402.842344	70	0.000678	0.00001	0	30	0.1	109.025666
471.286087	396.6	69.3	0.000675	0.00001	0	30	0.1	110.736739
472.155652	396.6	68	0.000677	0.00001	0	30	0.2	112.447812
473.025217	422.237551	68.7	0.000674	0.00001	0	30	0.2	114.158885
475.321062	406.849296	70	0.000678	0.00001	0.00012	30	0.2	115.869958
477.975707	396.6	70	0.000665	0.00001	0.00088	30	0.2	116.676263
480.630353	396.120542	70	0.000718	0.00001	0.00021	30	0.2	117.408148
483.284999	424.349612	70	0.000777	0.00001	0	30	0.2	118.140034
483.953159	410.138371	69.9	0.000802	0.00001	0	30	0.2	118.87192
484.143183	396.168647	69.9	0.000818	0.00001	0	30	0.2	122.331354
484.333207	396.6	69.9	0.000787	0.00001	0	30	0.2	126.369359
484.52323	416.830928	69.9	0.00073	0.00001	0	30	0.2	130.407363
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484.6	395.515644	70.2	0.000641	0.00001	0	30	0.2	133.636009
484.6	406.794286	70.2	0.00067	0.00001	0	30	0.2	132.172237
484.435819	426.634382	70.1	0.000748	0.00001	0	30	0.2	130.708465
484.020171	394.776656	70.1	0.000744	0.00001	0	30	0.2	130.50219
483.604523	394.273978	70	0.000747	0.00001	0	30	0.2	131.475426
483.188875	401.996122	70	0.000728	0.00001	0	30	0.2	132.448662
483.166505	430.63321	70	0.000707	0.00001	0	30	0.2	133.421898
484.040291	394.2	70	0.000697	0.00001	0.00001	30	0.2	133.900709
484.914078	394.1632	70	0.000723	0.00001	0	30	0.2	133.656151
485.787864	395.582773	70	0.000714	0.00001	0.00007	30	0.2	133.411592
486.378467	436.678548	70.1	0.000772	0.00001	0.00002	30	0.2	133.167034
485.721533	394.09686	70.1	0.000817	0.00001	0	30	0.2	134.12651
485.064599	393.435702	70	0.000798	0.00001	0	30	0.2	137.680171
484.407664	393.4	70	0.000735	0.00001	0	30	0.2	141.233831
483.558595	436.594221	70.1	0.000671	0.00001	0.00004	30	0.2	144.787491
480.339868	396.233301	70.2	0.000615	0.00001	0.00001	30	0.2	146.992925
477.121141	392.853545	70.3	0.000574	0.00001	0.00006	30	0.2	136.502562
473.902414	392.7	70.3	0.000542	0.00001	0.00002	30	0.2	126.012198
470.683687	425.475465	70.3	0.00056	0.00001	0.00005	30	0.2	115.521835
466.169479	398.904318	70.3	0.000583	0.00001	0.00005	30	0.2	105.031471
461.62069	392.13322	70.2	0.000568	0.00001	0.00004	30	0.2	99.88218
457.0719	391.9	70.2	0.00051	0.00001	0.00004	30	0.2	94.748961
452.523111	413.559461	70.2	0.00046	0.00001	0.00001	30	0.3	89.615742
448.648845	399.246903	70.3	0.000444	0.00001	0.00007	30	0.3	84.482523
444.862229	391.401333	70.5	0.000459	0.00001	0.00001	30	0.3	81.196382
441.075613	391.1	70.5	0.000479	0.00001	0	30	0.3	78.101881
437.288997	403.868909	70.4	0.000494	0.00002	0.00005	30	0.3	75.007379
439.218944	401.280275	70.3	0.000518	0.00002	0.00016	30	0.3	71.912878
443.76551	391.1	70.2	0.000548	0.00002	0	30	0.3	73.244123
448.312075	391.1	70.1	0.000585	0.00002	0	30	0.3	76.427277
452.858641	405.911849	70	0.00067	0.00002	0	30	0.3	79.610431
457.818152	407.955567	69.9	0.000741	0.00002	0	30	0.3	82.793585
463.058742	391.391483	69.7	0.000774	0.00002	0	30	0.3	89.888403

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468.299333	391.9	73.4	0.000786	0.00002	0	30	0.3	99.370532
473.539924	403.019184	81.1	0.000766	0.00002	0	30	0.3	108.852662
478.660969	421.583316	77.3	0.000783	0.00002	0.00001	30	0.3	118.334792
483.600436	391.324187	69.5	0.000831	0.00002	0	30	0.3	126.402057
488.539903	391.9	69.6	0.00087	0.00002	0	30	0.2	133.099019
493.47937	398.218318	69.7	0.00089	0.00002	0	30	0.2	139.795982
497.765669	437.929979	69.7	0.000893	0.00002	0	30	0.2	146.492944
500.258813	392.596434	69.7	0.0009	0.00002	0	30	0.2	151.242222
502.751957	391.976279	69.7	0.000907	0.00002	0	30	0.2	151.982963
505.245101	392.357662	69.7	0.00092	0.00002	0	30	0.2	152.723704
506.757852	442.207235	69.7	0.000905	0.00002	0	30	0.2	153.464444
505.421337	391.178589	69.7	0.000867	0.00002	0	30	0.2	152.807177
504.084821	391.850294	69.8	0.000849	0.00001	0	30	0.2	148.500957
502.748305	391.165808	70.1	0.00083	0.00001	0	30	0.2	144.194737
501.416694	442.953041	70.1	0.000769	0.00001	0	30	0.2	139.888517
500.154489	394.470367	70.2	0.0007	0.00001	0	30	0.2	136.069121
498.892284	390.549161	70.2	0.000653	0.00001	0	30	0.2	136.78171
497.630079	389.819455	70.3	0.000662	0.00001	0	30	0.2	137.494299
496.367873	428.610601	70.3	0.000728	0.00001	0	30	0.2	138.206888
496.542927	404.350343	70.3	0.00078	0.00001	0	30	0.2	138.919477
496.93846	389.095944	70.2	0.000801	0.00001	0	30	0.2	138.176798
497.333993	388.400491	70	0.000814	0.00001	0	30	0.2	137.248724
497.729525	411.405669	70	0.000807	0.00001	0	30	0.2	136.32065
498.389813	419.829827	70	0.000767	0.00001	0	30	0.2	135.392575
499.250646	387.731075	70	0.000728	0.00001	0	30	0.2	135.13827
500.111478	387.2	70.1	0.000785	0.00001	0	30	0.2	135.377906
500.97231	401.734012	70.1	0.000812	0.00001	0	30	0.2	135.617541
501.842797	430.207129	70.1	0.000863	0.00002	0	30	0.2	135.857177
502.728578	388	70	0.000845	0.00002	0	30	0.2	136.098874
503.614359	388	69.9	0.00084	0.00002	0	30	0.2	136.343612
504.50014	388	69.9	0.000828	0.00001	0.00045	30	0.2	136.58835
505.142217	445.319794	70	0.000832	0.00001	0.00026	30	0.2	136.833089
503.515591	388	70	0.000785	0.00001	0.00001	30	0.2	137.38771
501.888964	388	70.1	0.000768	0.00001	0	29	0.2	138.606925
500.262337	388.668387	70.1	0.000752	0.00001	0	30	0.2	139.82614
498.910235	442.514184	70.1	0.000741	0.00001	0	30	0.2	141.045355
500.001674	388.7	70.1	0.000742	0.00001	0	30	0.1	141.639192
501.093112	388.7	70.2	0.000795	0.00001	0.00019	30	0.1	139.976485
502.18455	389.463402	70.2	0.000816	0.00001	0.00001	30	0.1	138.313777
503.275988	438.336677	70.1	0.00081	0.00001	0	30	0.1	136.651069
500.592411	398.164123	70.1	0.000819	0	0	29	0	135.047945
497.823914	390.164863	70.1	0.000787	0	0	29	0	141.89726
495.055418	390.4	70.1	0.000727	0	0	29	0	148.746575
492.286921	424.192049	70.2	0.000681	0	0	29	0	155.59589
490.511579	404.421209	70.2	0.000655	0	0	29	0	162.445205
489.00343	391.1	70.2	0.000671	0	0	29	0	158.204459
487.495281	391.1	70.2	0.000681	0	0	29	0	152.986243
485.987132	416.796694	70.2	0.000623	0	0	29	0	147.768027
463.503144	412.432549	70.2	0.000544	0	0	29	0	142.54981
431.011482	390.782941	70.3	0.000266	0	0	29	0	119.088746
398.519819	390.641881	70	0.000214	0	0	29	0	87.920533
366.028156	383.828294	69.4	0.00009	0	0	29	0	56.75232
359.787954	377.147252	68.7	0.000083	0	0	29	0.1	25.584107
382.10101	390.809552	67.3	0.000349	0.00001	0	29	0.1	32.96169
404.414066	391.792411	66.9	0.000513	0.00001	0	29	0.1	78.885069
426.727122	393.894	66.2	0.000777	0.00001	0	29	0.1	124.808448
442.928629	411.236129	66.2	0.000678	0	0	29	0	170.731827
446.143094	391.9	66.1	0.000474	0	0	29	0	199.419268
449.357559	391.9	65.9	0.000454	0	0	29	0	205.071762
452.572024	395.400796	65.4	0.000604	0	0	29	0	210.724257
458.424898	416.571429	65.2	0.000852	0	0	29	0	216.376751
469.445306	392.044455	64.8	0.000968	0	0	29	0	222.537435
480.465714	392.7	64.6	0.00096	0	0	29	0	229.605497

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509.743181	391.9	64.7	0.001304	0	0	29	0	285.5
518.095213	391.9	64.7	0.001279	0	0	29	0	356.928571
526.447245	410.974796	64.6	0.001045	0	0	29	0	428.357143
537.095425	439.12838	64.9	0.001057	0	0	29	0	499.785714
551.089097	390.598186	65.6	0.001741	0	0	29	0	637.641151
565.08277	391.178112	65.8	0.001867	0	0	29	0	836.568503
579.076442	408.002806	66.3	0.001583	0	0	29	0	1035.495856
584.813893	472.286902	67	0.001451	0	0	29	0	1234.423208
571.102125	394.506147	68.4	0.001398	0	0	29	0	1226.920739
557.390358	395.68818	68.8	0.00095	0.00001	0	29	0.1	933.175487
543.67859	412.381463	69.7	0.000683	0.00001	0	29	0.1	639.430236
535.199418	444.209217	69.8	0.000832	0.00001	0	29	0.1	345.684984
533.379913	397.790756	70.1	0.000867	0.00001	0	29	0.1	186.501241
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527.880248	450.406885	70	0.000868	0.00001	0.00002	29	0.1	164.168734
525.931341	400.708118	70	0.000865	0.00001	0.00002	29	0.1	157.812091
523.982433	401.472737	70	0.000859	0.00001	0.00002	29	0.1	152.839571
522.033526	421.227159	70	0.000838	0.00001	0.00001	29	0.1	147.867051
518.072397	437.198512	70.1	0.000805	0.00001	0.00004	29	0.1	142.89453
512.261259	404.123185	70.2	0.000727	0.00001	0	29	0.1	143.567212
506.450121	404.85234	70.3	0.000646	0.00001	0.00003	29	0.1	147.714565
500.638983	416.808058	70.4	0.000627	0.00001	0.00002	29	0.1	151.861918
497.357302	438.166923	70.4	0.000617	0.00001	0.00001	29	0.1	156.009271
498.015363	407.2	70.4	0.000657	0.00001	0.00003	29	0.1	153.634568
498.673424	407.2	70.3	0.000698	0	0.00001	29	0	145.239506
499.331486	417.76392	70.2	0.000723	0	0.00003	29	0	136.844444
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494.734342	408.975652	70.1	0.000718	0	0	29	0	133.163636
492.699237	422.436842	70.1	0.000671	0	0.00003	29	0	139.397403
491.378552	433.210291	70.1	0.000664	0	0	29	0	145.631169
490.747025	409.6	70.1	0.000697	0	0	29	0	147.264357
490.115497	409.6	70.1	0.000701	0	0	29	0	146.077836
489.483969	420.049949	70.2	0.000673	0	0	29	0	144.891315
489.259159	438.778606	70.2	0.000645	0	0	29	0	143.704794
489.665178	409.6	70.2	0.00062	0	0	29	0	141.446676
490.071197	409.6	70.2	0.000664	0	0	29	0	137.620756
490.477215	412.879877	70.2	0.000715	0	0	29	0	133.794835
490.543992	446.94565	70.1	0.000768	0	0	29	0	129.968914
489.29517	409.637224	70	0.000811	0	0	29	0	128.267028
488.046348	410.268139	70	0.000766	0	0	29	0	133.923403
486.797526	409.757563	70	0.000697	0	0	29	0	139.579778
485.548704	440.963005	70.1	0.000643	0	0	29	0	145.236154
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487.184869	409.6	70.2	0.000647	0	0	29	0	145.861429
488.044057	409.096964	69.9	0.000718	0	0	29	0	140.623333
488.903246	434.267978	70	0.000738	0	0	29	0	135.385238
487.784743	423.924466	70.1	0.000722	0	0	29	0	130.147143
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484.372922	408.8	70.1	0.000662	0.00001	0	29	0.1	133.3867
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505.479064	446.994118	70.1	0.000772	0.00001	0	29	0.1	138.246877

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498.31745	406.3	70.2	0.000721	0.00001	0	29	0.1	135.875297
496.49523	450.37852	70.3	0.00072	0.00001	0	29	0.1	137.062945
499.107886	405.5	70.2	0.000836	0.00001	0	29	0.1	138.348431
501.720542	405.5	70.1	0.000866	0.00001	0	29	0.1	139.999764
504.333198	405.5	70	0.000869	0.00001	0	29	0.1	141.651097
506.945853	445.602611	69.9	0.000847	0.00001	0	29	0.1	143.30243
503.509574	414.859285	69.9	0.00083	0	0	29	0	144.953763
499.694031	404.987874	70	0.000821	0	0	29	0	148.41452
495.878488	404.7	70.1	0.000732	0	0	29	0	151.9274
492.062945	427.849336	70.2	0.000648	0	0	29	0	155.440281
489.11304	423.506231	70.2	0.000596	0	0	29	0	158.953162
486.591427	403.3935	70.3	0.000591	0	0	29	0	150.704267
484.069813	402.9	70.3	0.00058	0	0	29	0	137.462482
481.548199	417.02288	70.3	0.00058	0	0	29	0	124.220696
482.373314	424.965	70.3	0.000637	0	0	29	0	110.978911
486.478886	402.1	70.3	0.000691	0	0	29	0	107.825006
490.584457	402.1	70.2	0.000769	0	0	29	0	110.749695
494.690029	414.847449	70	0.000832	0	0	29	0	113.674385
497.180566	435.004452	70	0.000845	0	0	29	0	116.599074
497.37564	401.873573	69.9	0.000838	0	0	29	0	119.398487
497.570714	401.3	69.9	0.000835	0	0	29	0	122.082723
497.765789	409.449383	69.9	0.000787	0	0	29	0	124.766959
497.968388	439.804082	70	0.000781	0	0	29	0	127.451196
498.187579	401.77144	70.1	0.000765	0	0	29	0	129.616319
498.406771	400.512589	70.1	0.000732	0	0	29	0	131.073337
498.625962	403.685357	70.1	0.000765	0	0	29	0	132.530355
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498.8	400.5	70.1	0.000831	0	0	29	0	118.500716
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433.487143	399.860136	69.6	0.000117	0.00002	0	29	0.4	81.728139
402.296667	399.7	68.8	0.000179	0.00002	0	29	0.5	81.483879
371.10619	387.159381	68.7	0.000156	0.00002	0	29	0.5	81.239619
356.9975	396.561526	68.4	0.000111	0.00002	0.00001	29	0.5	81.055732
344.914167	398.9	67.6	0.000071	0.00002	0	29	0.5	83.989
332.830833	398.454614	65.8	0.000067	0.00002	0	29	0.5	86.922268
320.7475	370.960238	65.3	0.000091	0.00001	0	29	0.5	89.855537
337.062432	387.807283	64.3	0.000137	0.00002	0	29	0.5	92.788805
359.866402	397.4	64	0.000267	0.00002	0	29	0.5	105.604414
382.670372	397.4	63.3	0.000512	0.00003	0	29	0.4	119.186757
405.474342	401.931869	63.3	0.000743	0.00004	0	29	0.4	132.7691
393.79788	400.32902	63.2	0.000596	0.00003	0	29	0.4	146.351443
372.621706	398.2	63.5	0.000246	0.00002	0	29	0.5	120.739362
351.445533	397.821611	64.1	0.000134	0.00003	0	29	0.5	85.632979
330.269359	375.751471	63.7	0.000065	0.00003	0	29	0.5	50.526596
321.331543	392.059855	62.9	0.000023	0.00002	0	29	0.5	17.883703
315.043883	396.145101	62.5	0.000038	0.00002	0	29	0.5	37.521551
308.756222	395.7	61.7	0.000076	0.00001	0	29	0.5	57.159398
302.453679	355.18054	61.5	0.000129	0.00001	0	29	0.4	76.797246
293.18944	393.876522	61.1	0.000147	0.00001	0.00001	29	0.4	92.337802
283.925202	395.173635	60.9	0.000127	0.00001	0.00005	29	0.3	78.932976
274.660963	395	60.4	0.000107	0.00001	0.00003	29	0.3	65.52815
265.396725	344.439348	60	0.000044	0.00001	0.00004	29	0.3	52.123324
272.806261	384.957849	59.3	0.00003	0.00001	0.00001	29	0.3	40.103113
281.784664	393.655748	58.6	0.000031	0.00001	0.00001	29	0.3	92.632296
290.763067	393.4	57.2	0.000072	0.00001	0.00003	29	0.3	145.161479
299.741471	362.599294	57.2	0.000394	0.00002	0.00001	29	0.3	197.690661
323.84978	380.257849	57.2	0.000462	0.00001	0.0001	29	0.1	250.219844
351.90751	392.7	57.3	0.000474	0	0.00002	29	0	233.73166

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23.492654	1	2.04515
20.202062	1	2.04517
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427.721309	396.009574	57.5	0.000864	0	0.00007	29	0	163.539118
443.921747	390.280085	57.6	0.000913	0	0.00005	29	0	180.154856
460.122184	388.870588	57.9	0.000868	0	0	29	0	206.401575
476.322622	409.357253	58.1	0.000794	0	0	29	0	232.648294
482.657201	411.162623	58.5	0.00082	0	0	29	0	258.895013
482.248449	383.220588	58.6	0.000927	0	0	29	0	264.043956
481.839697	381.395806	58.8	0.00068	0	0	29	0	255.985348
481.430945	392.114761	58.9	0.000555	0	0	29	0	247.92674
484.025767	412.392632	59.2	0.000581	0	0	29	0	239.868132
490.521782	376.669575	59.1	0.000592	0	0	29	0	304.387725
497.017798	375.449677	58.8	0.000643	0	0	29	0	435.902582
503.513813	385.069414	58.8	0.001028	0	0	29	0	567.417438
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520.696739	370.573333	59.1	0.001395	0	0	29	0	797.197904
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540.166196	373.492049	60.3	0.0012	0	0	29	0	899.603239
544.993302	453.002941	61.7	0.001187	0	0	29	0	950.805906
528.200342	369.330508	62.3	0.000675	0	0	29	0	946.206148
511.407382	370.008475	63.6	0.000349	0	0	29	0	737.862649
494.614422	370.1	63.8	0.000368	0	0	29	0	529.519151
477.128333	423.744229	64.2	0.000312	0	0	29	0	321.175653
452.961667	372.528676	64.2	0.000246	0	0	29	0	135.670568
428.795	369.457443	64.2	0.000194	0	0.00001	29	0	124.209949
404.628333	369.906733	63.9	0.00016	0	0.00001	29	0	112.749329
380.461667	373.105505	63.3	0.000136	0	0.00003	29	0	101.28871
377.572047	370.032135	63.1	0.000122	0	0	29	0	90.821368
377.205209	369.839418	62.6	0.000127	0	0	29	0	145.579216
376.838371	369.59154	62.5	0.000198	0	0	29	0	200.337065
376.471533	372.220526	62.3	0.000558	0	0	29	0	255.094914
378.803277	372.742742	62.3	0.000527	0	0	29	0	309.852762
381.788714	372.897081	62.4	0.000368	0	0	29	0	266.625534
384.77415	374.072727	62.7	0.000272	0	0	29	0	213.232084
387.759587	378.665051	63.4	0.00026	0	0	29	0	159.838633
371.286125	378.405679	63.5	0.000195	0	0.00003	29	0	106.445183
345.86441	375.6	63.8	0.000174	0	0.00007	29	0	77.63697
320.442694	375.871373	63.7	0.000102	0	0.00001	29	0	59.77132
295.020979	360.722394	63.5	0.00005	0	0.00003	29	0	41.905669
275.601215	347.422723	63.4	0.000036	0	0	29	0	24.040019
262.78864	380.397481	63.2	0.00003	0	0.00001	29	0	14.057701
249.976066	381.027816	63.2	0.00003	0	0	29	0	12.150215
237.163491	372.03516	63.2	0.00003	0	0	29	0	10.242728
226.218615	317.820603	63.1	0.00003	0	0	29	0	8.335241
220.148631	384.1	62.8	0.00003	0	0	29	0	6.857007
214.078648	384.1	62.7	0.00003	0	0	29	0	6.380362
208.008665	385.599608	62.6	0.00003	0	0	29	0	5.903718
202.12611	298.164898	62.5	0.00003	0	0	29	0	5.427073
198.522291	379.949412	62.3	0.00003	0	0	29	0	4.950453
194.918473	385.7	62.1	0.000029	0	0	29	0	4.474035
191.314654	385.7	61.8	0.000029	0	0	29	0	3.997618
187.710835	309.670997	61.6	0.000029	0	0	29	0	3.521201
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181.936967	383.166722	61.3	0.000029	0	0	29	0	2.784747
179.093365	382.17098	61.2	0.000029	0	0	29	0	2.547161
176.249763	325.745876	61.1	0.000029	0	0	29	0	2.309575
173.767668	331.180796	60.8	0.000029	0	0	29	0	2.071989
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164.771418	311.890266	58.9	0.000028	0	0	29	0	1.089633
162.855995	365.547775	58.6	0.000028	0	0	29	0	0.841317
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167.247223	298.319806	57.3	0.000016	0	0	29	0	0.092814
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220.325886	329.070291	57.2	0.000203	0	0	29	0	63.48465
223.088409	313.458882	57.3	0.000192	0	0.00002	29	0	87.641671
213.029691	344.577419	57.3	0.000109	0	0.00003	29	0	83.442396
202.970973	342.795208	57.3	0.000068	0	0.00004	29	0.1	64.241167
192.912254	308.640354	57	0.00004	0	0.00003	29	0.1	45.039939
186.500897	304.954708	56.4	0.000023	0	0	29	0.2	25.83871
182.315546	338.226272	56.2	0.000015	0.00001	0	29	0.3	19.143921
178.130194	336.884365	55.8	0.000011	0.00001	0	29	0.3	16.662531
173.944843	297.124408	55.1	0.000009	0.00001	0	29	0.4	14.181141
171.168305	295.13944	53.6	0.000007	0.00001	0	29	0.4	11.699752
169.303898	332.408836	52.1	0.000007	0.00001	0	29	0.4	11.510306
167.439492	331.361863	49.1	0.000006	0.00001	0	29	0.4	12.221038
165.575085	302.439514	46.9	0.00001	0.00001	0	29	0.4	12.93177
189.231871	274.69907	42.5	0.000063	0.00002	0	29	0.4	13.642502
240.871013	324.813571	41.8	0.000468	0.00002	0	29	0.3	54.078573
292.510155	319.552041	40.3	0.000862	0.00002	0	29	0.3	134.719566
344.149298	319.571477	40.8	0.000864	0.00002	0	29	0.3	215.360558
370.343647	328.04302	41.7	0.000523	0.00002	0	29	0.3	296.001551
361.39995	303.005896	42.3	0.000308	0.00001	0	29	0.3	301.252737
352.456253	299.808791	43.4	0.000334	0.00001	0	29	0.3	261.846266
343.512556	303.382245	43.3	0.000265	0.00001	0.00001	29	0.3	222.439796
335.676056	309.980968	43.2	0.000387	0.00001	0	29	0.3	183.033325
329.459446	292.985667	42.9	0.000495	0.00002	0.00001	29	0.3	148.978804
323.242836	290.162413	42.2	0.000463	0.00002	0	29	0.3	119.924268
317.026226	289.466701	42.2	0.000273	0.00002	0	29	0.3	90.869731
307.555972	296.271881	42.2	0.000096	0.00001	0	29	0.3	61.815194
290.041985	282.65196	40.7	0.000053	0.00001	0	29	0.3	61.151044
272.527998	279.816264	37.5	0.000016	0.00001	0	29	0.3	121.374454
255.014011	277.593252	34.8	0.00003	0.00001	0	29	0.3	181.597863
242.277865	260.036399	29.5	0.000182	0.00001	0	29	0.3	241.821272
251.75733	275.494912	29.1	0.000539	0.00002	0	29	0.3	277.977099
261.236796	272.575813	28.4	0.000509	0.00001	0	29	0.2	217.862595
270.716261	271.012987	28.8	0.000168	0.00001	0	29	0.2	157.748092
280.195726	274.340909	29.6	0.000082	0.00001	0	29	0.2	97.633588
275.876136	269.185115	29	0.000038	0.00001	0	29	0.2	38.208563
271.403068	267.552611	27.7	0.000016	0.00001	0	29	0.2	64.278881
266.93	266.99049	27.2	0.000028	0.00001	0	29	0.2	90.349199
262.456932	265.214161	26.1	0.000103	0.00001	0	29	0.2	116.419517
276.502688	265.250659	26.3	0.000252	0.00001	0	29	0.2	142.489835
297.785981	266	26.7	0.000316	0.00001	0	29	0.2	212.210027
319.069274	266	27.3	0.000401	0	0	29	0	291.061329
340.352567	285.036684	28.4	0.000734	0	0.00001	29	0	369.912631
354.672009	286.805769	29.1	0.001175	0	0.00004	29	0	448.763933
364.132125	267.99875	30.4	0.000919	0	0	29	0	417.41791
373.592242	269.043272	31.2	0.000431	0	0	29	0	342.791045
383.052359	289.474664	32.7	0.000271	0	0	29	0	268.164179
378.733876	308.147896	34.6	0.000211	0	0	29	0	193.537313
359.308038	270.1	38.4	0.000165	0	0	29	0	151.369944
339.882201	270.197065	38	0.000114	0	0	29	0	142.053935
320.456364	273.618711	37.3	0.00008	0	0	29	0	132.737926
303.673684	285.719653	37.3	0.00012	0	0.00001	29	0.1	123.421917
293.147368	271.5	37.4	0.000145	0	0.00001	29	0.1	111.232381
282.621053	271.5	37.6	0.000152	0	0.00003	29	0.2	95.041905
272.094737	272.07619	38	0.000103	0	0.00004	29	0.2	78.851429
262.384563	267.798574	37.4	0.000078	0	0.00003	29	0.2	62.660952
260.186224	272.13252	36.1	0.000053	0	0.00004	29	0.2	71.672203
257.987885	272.683701	33	0.000039	0	0.00002	29	0.2	171.085979
255.789546	272.8	26.8	0.00008	0.00001	0.00006	29	0.2	270.499756
253.817435	264.609598	25	0.000339	0.00001	0.00003	29	0.2	369.913532

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13.961495	0	2.04562
12.453213	0	2.04562
16.877307	0	2.04562
22.829517	0	2.04562
25	0	2.04562
25	1	2.04562
24.626882	1	2.04562
23.307309	1	2.04563
21.768226	1	2.04564
20.699079	1	2.04565
19.658773	1	2.04566
18.679339	1	2.04567
17.823937	1	2.04568
16.829592	0	2.04569
14.330357	0	2.04571
6.398825	0	2.04573
3.040302	0	2.04575
17.115778	0	2.04577
23.646849	0	2.04579
26.76899	1	2.0458
26	1	2.04581
25.90184	1	2.04582
25	1	2.04583
24.371237	1	2.04585
21.026756	1	2.04587
25.8867	1	2.04589
28.976447	1	2.0459
25.05103	1	2.04591
21.707256	1	2.04592
17.570185	1	2.04593
16.109631	0	2.04594
1.950836	0	2.04596
9.482098	0	2.04597
25.174349	0	2.04598
28.233912	0	2.04599
24.312801	0	2.046
20.427791	1	2.04601
16.925118	1	2.04602
12.858564	1	2.04603
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9.574633	1	2.04605
12.690832	1	2.04605
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16.67101	1	2.04605
18.97	1	2.04605
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14.330416	1	2.04606
11.841237	1	2.04607

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12:24:21.256	72.5	1561
12:24:22.256	73.7	1565
12:24:23.256	72.6	1568
12:24:24.256	69.6	1571
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12:24:28.256	5.1	1245
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12:24:32.256	8.8	1148
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12:24:37.256	57.7	1321
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12:24:39.256	62.5	1343
12:24:40.256	57.3	1357
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12:24:42.256	22.1	1376
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12:24:44.256	0.2	1373
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12:24:59.256	48.2	715
12:25:00.256	47.7	700
12:25:01.256	48.1	699
12:25:02.256	48.6	699

308.176152	274.432753	21.4	0.001032	0.00001	0.00011	29	0.1	450.037185
362.53487	277.469025	22.6	0.001685	0	0.0001	29	0	393.88545
416.893587	280.876764	25	0.001249	0	0.00002	29	0	337.733716
470.524195	364.42408	27.5	0.000823	0	0.00006	29	0	281.581982
464.207091	289.486024	32.8	0.000585	0	0.00002	29	0	230.27425
457.889988	286.697653	33.8	0.000605	0	0.00005	29	0	215.52425
451.572884	287.652164	35.8	0.000627	0	0.00003	29	0	200.77425
445.215358	357.067379	36.4	0.000534	0	0	29	0	186.02425
433.123696	293.392419	37.7	0.000401	0	0	29	0	170.441069
421.032033	289.471417	38.1	0.000341	0	0	29	0	148.569866
408.940371	290.262084	38.9	0.000326	0	0	29	0	126.698663
396.848708	331.245816	39.1	0.000312	0	0	29	0	104.827461
388.760774	300.235851	39.6	0.000313	0	0.00002	29	0	82.996128
381.093121	291.789241	39.6	0.000302	0	0.00001	29	0	81.060019
373.425468	292.486196	39.5	0.000302	0	0.00001	29	0	79.123911
365.757816	318.76375	39.6	0.000311	0	0.00001	29	0	77.187803
367.02044	304.361888	39.7	0.000335	0	0	29	0	75.251694
369.87137	294.414177	39.9	0.000367	0	0	29	0	74.785238
372.7223	295.10666	40.3	0.000395	0	0	29	0	74.538386
375.57323	317.558152	40.4	0.000404	0	0	29	0	74.291533
377.386873	311.851852	40.7	0.000407	0	0	29	0	74.04468
378.776834	297.863493	40.8	0.0004	0	0	29	0	73.586155
380.166795	298.461953	41	0.000406	0	0	29	0	73.080849
381.556757	325.503431	41	0.000403	0	0	29	0	72.575543
374.923284	312.335178	41.1	0.00038	0	0	29	0	72.070237
366.587871	300.614661	41.2	0.000362	0	0	29	0	70.029247
358.252458	301.712524	41.4	0.000312	0	0	29	0	67.740336
349.917045	316.975125	41.3	0.000221	0	0.00001	29	0	65.451424
334.407635	308.807335	41.2	0.000144	0	0.00001	29	0	63.162513
317.302054	303.2	40.7	0.000116	0	0.00002	29	0	61.020597
300.196473	303.564853	39.8	0.000095	0	0	29	0	58.889915
283.090892	296.543357	39.3	0.00005	0	0	29	0.1	56.759233
275.728677	298.035282	38.1	0.000044	0	0	30	0.1	54.628551
272.972678	303.9	37.7	0.00004	0	0	30	0.1	60.703114
270.216679	304.138081	36.7	0.000041	0	0	29	0.1	70.211077
267.460679	298.361558	36.3	0.000065	0	0	29	0.1	79.71904
270.598561	292.736634	35.4	0.000117	0	0.00001	30	0.1	89.227003
280.382734	306.29637	35.4	0.000164	0	0	30	0.1	94.244177
290.166906	306.892658	35.4	0.000207	0	0.00003	30	0.1	94.734494
299.951079	307.565647	35.4	0.000242	0	0.00001	30	0.1	95.22481
304.06339	308.272144	35.4	0.000265	0	0	30	0.1	95.715126
294.941355	309.943745	35.6	0.000248	0	0	30	0.1	90.722671
285.81932	310.494493	35.9	0.000208	0	0	30	0.1	78.127614
276.697285	309.915303	36.4	0.000143	0	0.00001	30	0.1	65.532557
267.344541	291.850049	37.5	0.000094	0	0	30	0.1	52.9375
257.129097	311.9	37.1	0.00006	0	0.00001	30	0.1	42.537168
246.913653	311.9	36.2	0.000038	0	0	30	0.1	40.343651
236.698209	311.9	35.5	0.000027	0	0	30	0.2	38.150134
226.898859	271.188636	34.1	0.000021	0	0	30	0.2	35.956617
221.884601	309.828791	33.5	0.000018	0	0	30	0.2	33.666429
216.870342	311.345712	32.2	0.000016	0	0	30	0.2	30.577809
211.856084	311.709214	31.3	0.000014	0	0	30	0.2	27.48919
206.841825	272.343847	29.5	0.000013	0	0	30	0.3	24.40057
205.236346	297.254687	26.5	0.000011	0	0	30	0.3	21.311951
204.131238	311.625021	20.5	0.00001	0	0	30	0.3	26.872864
203.02613	311.9	19.3	0.00001	0	0	30	0.3	33.405528
201.921022	277.060137	16.8	0.000011	0.00001	0	30	0.3	39.938191
207.422628	297.466196	14.5	0.000013	0.00001	0	30	0.3	46.470854
214.575912	311.9	10.1	0.000031	0.00001	0	30	0.3	74.087236
221.729197	312.670479	8.2	0.000053	0	0	30	0.2	103.561921
228.882482	290.372314	4.3	0.00007	0	0	30	0.2	133.036606
233.893128	295.225661	2.9	0.000088	0	0	30	0.2	162.511291
237.941139	313.636746	0	0.0001	0	0	30	0.2	172.007072

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12:25:12.256	76.5	1366
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12:25:33.256	47.4	699
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12:25:49.256	50.1	699
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12:25:53.256	48	737
12:25:54.256	48.4	739
12:25:55.256	47.9	705
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241.98915	314.264466	0.7	0.000109	0	0	30	0.2	173.421499
246.037162	306.915213	2.2	0.000113	0	0	30	0.2	174.835926
249.178999	292.292388	2.6	0.000116	0	0	30	0.2	176.250354
251.172193	315.5	3.6	0.000117	0	0	30	0.2	177.226834
253.165386	315.596137	3.4	0.000117	0	0	30	0.2	177.709459
255.15858	310.723313	3	0.000117	0	0	30	0.2	178.192085
260.765565	292.028983	2.7	0.000117	0	0	30	0.1	178.67471
273.810108	317.1	2	0.000117	0	0	30	0.1	200.417815
286.85465	317.1	2.4	0.000156	0	0.00001	30	0	266.116634
299.899192	317.797624	3.3	0.000535	0	0	30	0	331.815453
310.064227	315.141217	4	0.000924	0	0.00005	30	0	397.514272
311.160607	320.028896	5.5	0.000645	0	0	30	0	429.954986
312.256986	321.292586	8.1	0.000253	0	0	30	0	368.714473
313.353366	321.061042	13.6	0.000156	0	0	30	0	307.47396
311.484469	318.541231	13.9	0.000096	0	0	30	0	246.233447
303.285311	321.210934	14.6	0.000059	0	0.00001	30	0	205.817259
295.086153	320.532211	14.5	0.000074	0	0	30	0	191.797438
286.886995	317.081735	14.2	0.000091	0	0.00001	30	0	177.777617
280.771714	303.536092	12.2	0.000093	0	0.00001	30	0	163.757796
279.96219	319.82277	8.1	0.000093	0	0.00001	30	0	155.885946
279.152667	319.275039	6.8	0.000094	0	0.00001	30	0	162.089716
278.343143	319.2	4	0.000098	0	0.00001	30	0	168.293486
277.587573	298.84852	2.7	0.000107	0	0.00002	30	0	174.497256
277.436019	317.357206	0	0.000113	0	0	30	0	180.144835
277.284466	318.5	0	0.000117	0	0.00002	30	0	181.426557
277.132912	317.949949	0	0.000117	0	0.00001	30	0	182.70828
277	297.476981	0	0.000117	0	0.00002	30	0	183.990003
277	317.1	0	0.00013	0	0.00001	30	0	185.100737
277	317.1	0	0.00014	0	0	30	0	185.575909
277	317.1	0	0.000129	0	0.00001	30	0	186.051081
277	301.224897	0	0.000122	0	0	30	0	186.526253
276.512969	313.000638	0	0.000118	0	0	30	0	186.99853
275.973621	315.738198	0	0.000119	0	0	30	0	186.508454
275.434273	315.075778	0	0.000118	0	0	30	0	186.018378
274.894925	301.557679	0	0.000125	0	0	30	0	185.528302
274.963492	309.773376	0	0.000137	0	0	30	0	185.038226
275.161905	314.382514	0	0.000134	0	0.00001	30	0	185.68926
275.360317	313.635018	0	0.000129	0	0	30	0	186.43683
275.55873	301.012564	0	0.000143	0	0	30	0	187.184401
275.328568	307.820413	0	0.000135	0	0	30	0	187.931971
274.985851	312.6	0	0.000124	0	0	30	0	188.22263
274.643133	312.214639	0	0.000121	0	0	30	0	188.467548
274.300416	300.747786	0	0.00012	0	0	30	0	188.712466
273.839898	304.06211	0	0.00012	0	0	30	0	188.957384
273.33056	310.5	0	0.00012	0	0	30	0	188.215575
272.821222	310.5	0	0.00012	0	0	30	0	187.265907
272.311885	301.673544	0	0.000122	0	0	30	0	186.316239
272.398394	299.514818	0	0.000134	0	0	30	0	185.366572
272.909343	309.142222	0	0.000142	0	0	30	0	185.744784
273.420292	307.954764	0	0.000136	0	0	30	0	186.957787
273.931241	301.927137	0.3	0.000138	0	0	30	0	188.170791
274.036793	296.326528	1	0.000131	0	0	30	0	189.383794
273.692474	306.612986	1.1	0.000131	0	0	30	0	190.990189
273.348155	306.003082	1.2	0.000123	0	0	30	0	193.002767
273.003837	302.105398	0.8	0.00012	0	0	30	0	195.015346
272.66344	293.896968	0	0.00012	0	0	30	0	197.027925
272.328733	304.405433	0	0.000122	0	0	30	0	197.314869
271.994027	303.835373	0	0.000123	0	0	30	0	195.989663
271.65932	299.461026	0	0.000123	0	0	30	0	194.664458
271.679263	294.814146	0	0.000123	0	0	30	0	193.339253
272.021368	302.05533	0	0.000123	0	0	30	0	193.195738
272.363474	300.993534	0	0.000134	0	0	30	0	193.458827
272.705579	292.778514	0	0.000155	0	0	30	0	193.721915

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269.197744	295.858333	3.2	0.000109	0	0	30	0	192.912778
268.821805	297.723956	3.1	0.00012	0	0	30	0	188.759345
268.445865	297.052422	2.9	0.000119	0	0	30	0	184.605913
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268	296.018568	0.6	0.000143	0	0	30	0	178.207772
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268	284.803798	0.9	0.000116	0	0	30	0	182.9659
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293.250623	293.462422	2.8	0.000141	0	0	30	0	216.635967
306.36783	293.3	2.8	0.000347	0	0	30	0	244.265633
319.485037	303.843776	3.4	0.000791	0	0	30	0	271.895298
319.156432	294.128902	4.5	0.000811	0	0	30	0	298.524192
317.578762	291.047956	6.9	0.000327	0	0	30	0	273.481644
316.001092	290.224684	12	0.000162	0	0	30	0	248.439096
314.423422	297.763889	12.4	0.000129	0	0	30	0	223.396548
313.423404	292.199677	13.2	0.000216	0	0	30	0	198.354
312.57234	289.007422	13.7	0.000241	0	0	30	0	172.604122
311.721277	288.626737	14.8	0.000244	0	0.00001	30	0	146.780858
310.870213	292.61753	15.6	0.000258	0	0	30	0	120.957593
309.886173	292.876359	17.3	0.000256	0	0	30	0	95.134328
308.799753	286.5	17.8	0.000241	0	0	30	0	86.494341
307.713333	286.250774	18.9	0.000252	0	0	30	0	85.756152
306.626914	289.690316	19.5	0.000257	0	0.00001	30	0	85.017963
307.104633	291.38414	20.7	0.000258	0	0	30	0	84.279774
309.055377	285.2	20.8	0.00027	0	0.00001	30	0	83.848574
311.00612	285.053068	20.9	0.000277	0	0	30	0	83.604731
312.956864	288.454424	21.1	0.000291	0	0.00001	30	0	83.360888
315.420526	294.20655	21.6	0.000306	0	0.00001	30	0	83.117045
318.610202	283.604177	21.8	0.000312	0	0.00001	30	0	81.859649
321.799878	283.043974	22.3	0.000318	0	0.00007	30	0	79.666667
324.989554	286.266854	22.5	0.000323	0	0.00001	30	0	77.473684
326.602433	300.130745	22.9	0.000324	0	0.00006	30	0	75.280702
324.655961	281.145809	23.1	0.000317	0	0.00003	30	0	74.098532
322.709489	281.655348	23.4	0.00028	0	0.00005	30	0	74.335386
320.763017	281.90484	23.7	0.000249	0	0.00003	30	0	74.572241
318.889096	298.684366	24.2	0.000231	0	0	30	0	74.809095
317.310904	280.28678	24.2	0.000226	0	0	30	0	75.381046
315.732712	279.778305	24.2	0.000224	0	0	30	0	77.3452
314.154519	279.7	24.2	0.000229	0	0	30	0	79.309354
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317.477913	279.614855	24.2	0.000253	0	0	30	0	83.294118
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331.895388	299.124644	23.9	0.000311	0	0.00001	30	0	90.586291
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327.993023	278.087719	24.2	0.000287	0	0.00001	30	0	91.329621
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323.334868	285.87855	24	0.000247	0	0.00001	30	0	86.353318
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334.39165	276.466552	24	0.00033	0	0	30	0	90.887522
337.877106	287.780561	24.7	0.000331	0	0	30	0	90.134321
334.70814	297.3775	25.3	0.000326	0	0	30	0	89.38112
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303.312791	276.651175	24.9	0.000215	0	0.00003	30	0	79.126223
293.57214	285.355441	25.7	0.00016	0	0.00001	30	0	75.16721
287.200047	276.979781	27.4	0.000117	0	0.00003	30	0	72.698812
280.827953	276.433333	27.1	0.000093	0	0.00003	30	0	76.192872
274.45586	275.781685	26.5	0.000092	0	0.00002	30	0	79.686932
268.083767	272.744172	26.1	0.000141	0	0.00005	30	0	83.180992
301.442589	274.620196	25.4	0.000293	0	0.00002	30	0	86.675052
340.373705	276.029559	25.2	0.000558	0	0.00008	30	0	202.631754
379.304822	276.669291	24.7	0.000916	0	0.00012	30	0	330.119905
418.235938	318.364851	24.6	0.001114	0	0.00018	30	0	457.608057
438.290771	313.964902	24.4	0.001344	0	0.0002	30	0	585.096209
448.921612	279.817054	24.8	0.001527	0.00113	0	30	8.4	573.354333
459.552453	281.358729	25.7	0.001134	0.00312	0	30	26.5	498.178689
470.183294	306.974362	26.8	0.0004	0.00139	0	30	28.5	423.003044
472.37038	354.495347	29.1	0.000497	0.001	0	30	16.6	347.8274
461.182732	284.09711	29.5	0.000728	0.00053	0	30	7	284.538024
449.995083	285.227059	30.4	0.000629	0.00018	0	30	2.8	237.866619
438.807435	287.727216	31.2	0.000345	0.00001	0	30	0.2	191.195214
424.790217	353.787144	32.9	0.000254	0	0	30	0	144.52381
397.616304	286.5	33.3	0.000193	0	0.00001	30	0	103.591304
370.442391	286.5	34.2	0.000144	0	0	30	0	86.2
343.268478	286.5	34.2	0.000091	0	0.00002	30	0	68.808696
316.789045	300.071278	34.2	0.00007	0	0	30	0	51.417391
308.384868	288.022821	34.1	0.000049	0	0	30	0	35.597815
299.98069	287.031976	33.9	0.000053	0	0	30	0	46.273088
291.576512	287.2	34.1	0.000064	0	0	30	0	56.948361
283.172334	285.380056	34.4	0.00009	0	0	30	0	67.623635
279.190647	286.866093	34.3	0.000085	0	0	30	0	78.076808
275.593525	288.203468	34.1	0.000067	0	0.00001	30	0	80.81995
271.996403	288.6	33.9	0.000066	0	0.00001	30	0	83.563092
268.399281	281.024064	33.5	0.000076	0	0.00002	30	0	86.306234
262.670423	287.581628	33.3	0.000081	0	0.00002	30	0	88.908275
256.675398	289.3	32.8	0.000071	0	0.00002	30	0	83.812424
250.680373	289.745825	32.5	0.000076	0	0.00004	30	0	78.716574
244.685348	273.565718	32	0.000087	0	0.00003	30	0	73.620723
238.981132	284.003808	31.5	0.000048	0	0.00003	30	0	68.524873
233.320755	290	30.4	0.000035	0	0.00002	30	0	62.154992
227.660377	290.269087	29.7	0.000029	0	0.00001	30	0	55.638818
222	274.733673	28.4	0.000023	0	0.00001	30	0	49.122644
217.613307	271.040196	27.7	0.000018	0	0	30	0	42.60647
214.164188	290.6	26.4	0.000015	0	0.00001	30	0	36.62839
210.715068	290.6	25.1	0.000013	0	0	30	0	31.00904
207.265949	275.788568	22.3	0.000011	0	0.00001	30	0	25.38969
207.164022	263.195754	21	0.00001	0	0	30	0	19.77034
210.573904	291.3	18.3	0.00001	0	0.00001	30	0	29.023715
213.983786	291.326869	16.3	0.000012	0	0	30	0	52.73913
217.393667	290.259394	12.4	0.000015	0	0	30	0	76.454545
221.329429	258.160971	10.3	0.000034	0	0	30	0	100.16996
227.710381	292.714225	6.3	0.000051	0	0	30	0	122.425178
234.091333	293.222269	4.2	0.000067	0	0	30	0	139.052257
240.472286	293.881845	0	0.000082	0	0	30	0	155.679335
246.853238	274.238969	0	0.000095	0	0	30	0	172.306413
249.567924	290.912059	0	0.000105	0	0	30	0	188.933492
252.196301	295.309455	0	0.000109	0	0	30	0	188.516153
254.824678	295.934544	0	0.000111	0	0	30	0	188.030362
257.453054	281.919928	0	0.000111	0	0	30	0	187.544571
259.096459	291.379349	0	0.000111	0	0	30	0	187.058781
260.590075	297.226525	0	0.000114	0	0	30	0	185.700985
262.083691	297.861745	0	0.000115	0	0	30	0	184.223153
263.577307	289.122876	0	0.000117	0	0	30	0	182.74532
264.348905	292.541427	0	0.000118	0	0	30	0	181.267488
264.835523	299.5	0	0.000119	0	0	30	0	181.199561

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266.103181	293.002632	0	0.00012	0	0	30	0	181.930556
266.273167	302.01925	0	0.000119	0	0	30	0	182.677886
266.443152	302.5	0	0.000118	0	0	30	0	183.625978
266.613137	296.429133	0	0.000117	0	0	30	0	184.57407
266.769198	291.852495	0	0.000117	0	0	30	0	185.522162
266.910708	304.794798	0	0.000117	0	0	30	0	185.648808
267.052217	305.3	0	0.000117	0	0	30	0	184.94076
267.193726	303.293909	0	0.000117	0	0	30	0	184.232712
267.262946	288.61	0	0.000118	0	0	30	0	183.524664
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266.965327	306.74269	0	0.000119	0	0	30	0	182.679725
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284.871981	308.315358	0	0.000119	0	0	30	0	198.569739
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330.820368	314.924506	2.2	0.001092	0	0	30	0	375.207637
334.807951	316.110277	7.1	0.000589	0	0	30	0	331.53222
338.795535	317.029642	9	0.00022	0	0	30	0	287.856802
343.836076	328.64617	12.8	0.000193	0	0	30	0	244.181384
362.654043	317.398051	12.3	0.000269	0	0	30	0	203.107524
381.472009	316.3	11.3	0.000475	0	0	30	0	191.951578
400.289976	315.816535	11.6	0.000771	0	0	30	0	180.795633
419.107943	351.053075	12.3	0.001211	0	0	30	0	169.639687
432.785007	328.350343	13.8	0.001156	0	0	30	0	158.483741
445.490129	310.192249	16.8	0.00102	0.00023	0	30	2.2	166.935065
458.195251	308.176849	18.9	0.000935	0.0005	0	30	5.2	178.394194
470.900373	361.489614	23.1	0.000873	0.0005	0	30	5.5	189.853323
473.386183	324.982353	24.4	0.000715	0.00027	0	30	3.5	201.312452
473.613514	303.312264	26.9	0.000564	0.00005	0	30	0.7	209.412518
473.840844	301.986292	27.2	0.000684	0	0	30	0	217.298176
474.068174	361.816287	27.8	0.000808	0	0.00008	30	0	225.183834
460.970388	323.498381	28.2	0.000669	0	0	30	0	233.069492
445.703398	298.705678	28.9	0.000502	0	0.00001	30	0	207.825347
430.436408	298.2	28.8	0.00033	0	0	30	0	178.148869
415.169417	329.975795	28.7	0.00026	0	0	30	0	148.472391
398.29602	319.447252	27.6	0.0002	0	0	30	0	118.795913
380.858209	296.45	25.5	0.000158	0	0	30	0	106.899237
363.420398	295.838762	24.4	0.000131	0	0	30	0	100.283461
345.982587	307.936364	22.2	0.000125	0	0	30	0	93.667684
335.436265	303.414255	20.7	0.000103	0	0	30	0	87.051908
327.569967	295.03634	17.6	0.000088	0	0	30	0	94.263326
319.703669	294.348611	16.2	0.000078	0	0	30	0	104.088922
311.837371	298.485975	13.5	0.000066	0	0	30	0	113.914517
310.174874	296.679472	11.9	0.000068	0	0	30	0	123.740113
310.680776	293.3	8.6	0.000077	0	0	30	0	141.174237
311.186678	293.042508	7.1	0.000081	0	0	30	0	160.881038
311.69258	297.063636	4	0.000091	0	0	30	0	180.587839
321.039463	297.870674	3.2	0.000101	0	0	30	0	200.294641
336.530078	292.435438	1.6	0.000169	0	0	30	0	209.450345
352.020694	292.180712	1.1	0.000294	0	0	30	0	211.831865
367.511309	303.443175	0	0.000527	0	0	30	0	214.213384
383.643064	324.734158	1.7	0.000902	0	0	30	0	216.594904
400.816461	295.432694	5.2	0.000907	0	0	30	0	213.519126
417.989857	298.230174	7.3	0.00098	0	0	30	0	202.590164
435.163254	300.236091	11.4	0.00084	0	0	30	0	191.661202
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455.047731	303.223917	16.6	0.000413	0	0	30	0	175.143602
459.870729	303.80725	17.4	0.000549	0	0	30	0	190.783412
464.693728	305.055447	19	0.000721	0	0.0003	30	0	206.423223

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418.520923	349.982951	23.8	0.000319	0	0.00001	30	0	146.445946
419.746289	324.706373	23.9	0.00037	0	0.00001	30	0	115.733415
422.719648	312.783838	23.9	0.000447	0	0.00005	30	0	130.994526
425.693007	313.744269	23.8	0.00059	0	0	30	0	150.747025
428.666365	347.195603	23.4	0.000607	0	0	30	0	170.499524
417.133191	342.083268	22.6	0.000366	0	0	30	0	190.252023
398.96	317.8	23.2	0.000328	0	0	30	0	182.861012
380.786809	318.037403	24.6	0.000281	0	0.00002	30	0	164.329294
362.613618	324.287797	24.1	0.000175	0	0.00001	30	0	145.797577
350.930285	330.226832	22.9	0.000094	0	0.00003	30	0	127.265859
346.535986	318.806106	21.2	0.000074	0	0.00001	30	0	142.294857
342.141686	317.889495	17.8	0.000081	0	0.00002	30	0	190.88457
337.747387	319.481595	15.6	0.000121	0	0.00002	30	0	239.474283
343.709928	325.791389	10.9	0.000544	0	0.00005	30	0	288.063996
378.99701	321.77691	10.5	0.001142	0	0.00014	30	0	339.810242
414.284091	324.917827	9.6	0.001147	0.00015	0.00002	30	1.2	399.633166
449.571172	327.734965	11.8	0.000982	0.00021	0.00007	30	2	459.45609
480.032029	402.680184	16.1	0.000747	0.00016	0	30	2	519.279014
455.736086	335.222429	17.4	0.000524	0.0001	0.00005	30	1.7	561.785087
431.440143	331.45822	19.9	0.000394	0.00002	0.00002	30	0.4	451.834956
407.1442	331.6	20	0.000178	0	0	30	0	341.884825
382.848258	349.882819	20.1	0.000111	0	0	30	0	231.934695
370.708026	337.610019	19	0.000087	0	0	30	0	121.984564
360.054857	330.481176	16.7	0.000068	0	0	30	0	118.802173
349.401687	329.790989	15.4	0.000055	0	0	30	0	128.681156
338.748518	331.482809	12.7	0.000052	0	0	30	0	138.560138
334.906883	331.19268	11.3	0.000063	0	0	30	0	148.439121
333.43368	329.737235	8.3	0.000073	0	0	30	0	161.902618
331.960478	329.4	7	0.00008	0	0	30	0	176.038743
330.487275	329.669929	4.1	0.000086	0	0	30	0	190.174869
345.028386	330.132601	3.4	0.000099	0	0	30	0	205.161111
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411.284465	338.307692	5.1	0.001038	0	0	30	0	413.046512
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433.734979	337.266045	11.8	0.000484	0	0	30	0	414.546887
444.0207	385.595038	16.8	0.000545	0	0	30	0	415.297074
432.330454	343.384089	18	0.000551	0	0	30	0	410.728702
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262.771526	326.254085	18.3	0.000017	0	0	30	0	37.055869
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271.226336	317.534607	15.1	0.000104	0	0	30	0	152.987648
282.479237	321.625702	15	0.000293	0	0	30	0	192.655107
297.52161	336.624711	14.7	0.000495	0	0	30	0	207.586223
312.563983	337.5	15.7	0.000314	0	0	30	0	212.608945
327.606356	337.321429	17.8	0.000207	0	0	30	0	217.631667
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12:30:57.256	25.8	1470
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12:31:01.256	12.9	1392
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12:31:06.256	31.2	1355
12:31:07.256	6.1	1330
12:31:08.256	13.9	1311
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318.055429	337.5	18	0.000147	0	0	30	0	206.860542
305.611205	337.5	18.3	0.000136	0	0.00001	30	0	172.827789
293.166981	332.309659	19	0.000104	0	0.00001	30	0	138.795036
283.515372	320.016867	18.5	0.000071	0	0.00001	30	0	104.762282
277.915795	336	17.6	0.000071	0	0.00003	30	0	95.21999
272.316218	335.836626	17.2	0.000064	0	0	30	0	100.371973
266.71664	322.408835	16.3	0.000053	0	0.00001	30	0	105.523957
263.571901	319.203486	15.9	0.00005	0	0	30	0	110.67594
261.919008	335.2	15	0.000054	0	0	30	0	118.672573
260.266116	334.933333	13.8	0.000056	0	0	30	0	127.653155
258.613223	320.281275	11.3	0.000061	0	0	30	0	136.633738
259.600793	311.712829	10.3	0.000067	0	0	30	0	145.61432
263.145662	334.5	8.2	0.00007	0	0	30	0	155.78978
266.69053	334.5	7.2	0.000073	0	0	30	0	166.688302
270.235399	324.12116	5.3	0.00008	0	0	30	0	177.586825
273.229132	313.843026	3.6	0.00009	0	0	30	0	188.485348
275.611266	334.306937	0	0.000098	0	0	30	0	194.368748
277.9934	333.8	0.4	0.000105	0	0	30	0	195.115203
280.375533	329.961398	1.2	0.000111	0	0	30	0	195.861657
282.398041	316.080842	0.8	0.000118	0	0	30	0	196.608111
283.970206	333.8	0	0.000121	0	0	30	0	201.886573
285.542371	333.8	0.2	0.000124	0	0	30	0	212.174097
287.114536	323.915897	0.7	0.000168	0	0	30	0	222.46162
299.697629	322.237826	1.2	0.000335	0	0	30	0	232.749143
320.792716	334.811111	2.2	0.00064	0	0	30	0	226.039628
341.887802	335.47112	4.3	0.000684	0	0	30	0	211.47768
362.982889	342.40221	8.6	0.000523	0	0	30	0	196.915732
377.344974	348.737172	10.1	0.000542	0	0.00001	30	0	182.353784
384.205384	336.507203	13.2	0.000512	0	0	30	0	173.355091
391.065793	336	14.3	0.000506	0	0	30	0	170.032044
397.926203	340.310567	16.6	0.000511	0	0	30	0	166.708996
401.358005	364.305862	17.7	0.000507	0	0	30	0	163.385948
395.750752	335.2	19.9	0.000471	0	0	30	0	160.460674
390.143498	335.2	20.6	0.000434	0	0	30	0	158.548171
384.536244	334.5444	22.2	0.000413	0	0.00003	30	0	156.635668
378.901011	355.564766	22.9	0.000323	0	0	30	0	154.723165
372.960661	334.620588	24.4	0.000306	0	0	30	0	152.718968
367.020311	331.903587	24.8	0.000305	0	0	30	0	149.880258
361.079961	331.6	25.7	0.000306	0	0	30	0	147.041548
354.79539	341.558493	26.1	0.000248	0	0.00001	30	0	144.202839
336.10613	330.159375	27	0.000183	0	0.00001	30	0	136.498054
317.41687	329.534375	26.9	0.000123	0	0.00004	30	0	111.935798
298.72761	328.106044	26.7	0.000102	0	0.00003	30	0	87.373541
280.214008	306.35948	26.2	0.000082	0	0.00005	30	0	62.811284
274.071741	325.386702	25.3	0.000047	0	0.00004	30	0	42.037037
267.929473	325.938352	25.2	0.000054	0	0.00004	30	0	51.296296
261.787206	325.270326	25	0.000068	0	0.00005	30	0	60.555556
255.644938	298.050154	24.5	0.000074	0	0.00002	30	0	69.814815
251.338538	318.687285	23.4	0.000062	0	0.00004	30	0	78.992422
247.247519	323.836197	23.8	0.00006	0	0.00002	30	0	78.045229
243.1565	323.098739	24.5	0.000086	0	0.00005	30	0	77.098035
239.065481	295.505412	24.5	0.000081	0	0.00004	30	0	76.150841
233.666235	306.061704	24.5	0.000056	0	0.00002	30	0	75.203647
227.862878	320.97659	24.3	0.000044	0	0.00003	30	0	67.660034
222.05952	320.2885	23.8	0.00004	0	0	30	0	58.309758
216.256163	295.399742	23.8	0.000033	0	0.00002	30	0	48.959482
211.735628	290.74589	23.9	0.000025	0	0	30	0	39.609206
208.091903	318.232717	23.8	0.000019	0	0	30	0	33.223042
204.448178	317.8	23.6	0.000015	0	0	30	0	28.700309
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198.092143	273.400538	23	0.00001	0	0	30	0	19.654844
196.806429	316.128427	22.8	0.000008	0	0	30	0	17.10083
195.520714	315.454257	22.3	0.000008	0	0	30	0	17.344971

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193.724578	258.701522	17.7	0.000008	0	0.00001	30	0	17.833252
196.414722	314.714621	16.8	0.000009	0	0	30	0	25.41882
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207.541677	259.248969	14.6	0.000055	0	0	30	0	95.628474
239.066932	312.572606	14.5	0.000202	0	0	30	0	122.285366
270.592187	311.989759	14.3	0.000537	0	0	30	0	160.821951
302.117442	311.9	15.3	0.000537	0	0	30	0	199.358537
330.327577	320.73544	17.3	0.000419	0	0	30	0	237.895122
323.748005	311.647727	18.5	0.000308	0	0	30	0	267.169673
317.168432	311.2	20.8	0.000333	0	0	30	0	225.166825
310.58886	311.2	21.5	0.000333	0	0	30	0	183.163977
304.009287	307.941994	22.8	0.00022	0	0.00003	30	0	141.16113
290.483394	309.037218	22.9	0.00018	0	0.00001	30	0	99.158282
275.983273	309.8	23.1	0.00014	0	0.00003	30	0	87.37364
261.483152	309.378782	23	0.000135	0	0.00002	30	0	78.909311
246.983031	290.113984	22.9	0.000097	0	0.00001	30	0	70.444982
255.175987	296.001567	22.6	0.000086	0	0.00003	30	0	61.980653
271.095542	308.595932	21.9	0.000126	0	0	30	0	68.700247
287.015096	308.2	22	0.000248	0	0.00003	30	0	80.058272
302.93465	308.374066	22.3	0.00038	0	0.00001	30	0	91.416296
302.337309	308.393191	22.9	0.000359	0	0	30	0	102.774321
291.573673	307.8815	24.1	0.000185	0	0.00001	30	0	117.765658
280.810036	307.257315	23.9	0.000118	0	0	30	0	134.198142
270.0464	299.230103	23.6	0.00009	0	0.00001	30	0	150.630626
272.015272	293.511753	23.4	0.000105	0	0	30	0	167.06311
287.025943	306.8	23.1	0.000193	0	0	30	0	188.234416
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317.047285	307.465325	24.3	0.000392	0	0	30	0	239.431382
325.670055	314.858979	24.8	0.000587	0	0.00001	30	0	265.029865
317.61971	305.218892	25.7	0.000579	0	0.00001	30	0	272.336967
309.569366	304.63115	26.4	0.000539	0	0.00002	30	0	236.554976
301.519022	303.288625	27.8	0.000279	0	0.00001	30	0	200.772986
293.344402	298.953846	27.8	0.000146	0	0.00004	30	0	164.990995
283.411101	301.35498	27.8	0.000117	0	0.00001	30	0	131.627774
273.477799	300.51177	27.9	0.000136	0	0.00002	30	0	126.855643
263.544497	299.188431	28.2	0.000189	0	0	30	0	122.083512
253.611196	281.296118	28.2	0.000152	0	0	30	0	117.311382
240.6479	290.729775	28.3	0.000093	0	0.00001	30	0	112.539251
227.223821	296.071797	27.9	0.00004	0.00001	0	30	0.2	90.090887
213.799742	294.831122	27	0.000024	0.00002	0	30	0.3	65.390647
200.375663	270.396186	26.4	0.000015	0.00001	0	30	0.3	40.690408
197.189395	269.768602	25.3	0.000008	0.00001	0	30	0.4	15.990168
200.631562	292.70157	22.6	0.000007	0.00001	0	30	0.4	30.527792
204.073728	291.738817	16.9	0.000008	0.00001	0	30	0.4	60.552605
207.515895	271.729432	13.3	0.000008	0.00001	0	30	0.4	90.577419
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225.933086	289.765171	0	0.000061	0.00001	0	30	0.3	148.749179
232.421446	277.669231	0	0.000078	0	0	30	0.3	159.863097
237.094348	276.237149	0	0.000093	0.00001	0	30	0.3	170.977014
240.645072	288.6	0	0.000105	0.00001	0	30	0.3	174.515094
244.195797	288.180451	0	0.000111	0.00001	0	30	0.3	175.222642
247.746522	280.664136	0	0.000113	0.00001	0	30	0.3	175.930189
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253.690478	286.395354	0	0.000115	0	0	30	0.2	179.497842
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256.733642	273.354216	0	0.000117	0	0	30	0.2	182.855156
257.517676	285.10791	0	0.000116	0	0.00001	30	0.2	184.226281
258.301711	284.525062	0	0.000116	0	0	30	0.2	184.937856
259.085745	283.842591	0	0.000116	0	0	30	0.2	185.649431

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260.492869	282.631	0	0.000114	0	0	30	0.1	187
260.824544	281.921176	0	0.000114	0	0	30	0.1	187
261.156219	274.182635	0	0.000116	0	0	30	0.1	187
261.2	278.868952	0	0.000116	0	0	30	0.1	187
261.2	281.274068	0	0.000116	0	0.00001	30	0.1	186.370795
261.2	281	0	0.000118	0	0	30	0.1	185.654975
261.2	275.582143	0	0.000116	0	0	30	0.1	184.939155
261.294181	275.475319	0	0.000116	0	0.00001	30	0.1	184.223336
261.43496	279.7	0	0.000116	0	0	30	0	183.835012
261.575739	279.529633	0	0.000116	0	0.00001	30	0	183.595204
261.716518	276.626264	0	0.000116	0	0	30	0	183.355396
262.017912	272.388065	0	0.000116	0	0	30	0	183.115588
262.553322	277.6	0	0.000117	0	0	30	0	183
263.088732	277.506548	0	0.00012	0	0	30	0	183
263.624142	276.001546	0	0.000137	0	0	30	0	183
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263.773924	276.3	0	0.000122	0	0	30	0	183.61639
263.599751	276.3	0	0.000119	0	0	30	0	184.804038
263.425579	275.328418	0	0.000119	0	0	30	0	185.991686
263.200143	270.408676	0	0.000119	0	0	30	0	187.179335
262.842233	275.505683	0	0.000118	0	0	30	0	187.63223
262.484324	274.827142	0	0.000119	0	0	30	0	186.442038
262.126414	274.236399	0	0.000118	0	0	30	0	185.251845
261.787374	268.204536	0	0.000119	0	0	30	0	184.061652
261.643902	272.559764	0	0.000119	0	0	30	0	182.947175
261.50043	272.8	0	0.000117	0	0	30	0	182.458058
261.356958	272.8	0	0.000117	0	0	30	0	181.968941
261.213486	267.987784	0	0.000116	0	0	30	0	181.479824
261.2	271.268743	0	0.000116	0	0	30	0	180.990952
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261.2	270.8	0	0.000117	0	0	30	0	180.038571
261.2	267.634675	0	0.000118	0	0	30	0	179.562381
261.064897	268.717112	0	0.000117	0	0	30	0	179.08619
260.893664	269.425433	0	0.000117	0	0	30	0	178.5905
260.722432	268.8	0	0.000116	0	0	30	0	178.0905
260.551199	266.205295	0	0.000116	0	0	30	0	177.5905
262.384409	266.608542	0	0.000117	0	0	30	0	177.0905
265.072581	267.33018	0	0.000133	0	0.00001	30	0	214.763113
267.760753	266.7	0	0.000141	0	0	30	0	260.87192
270.448925	267.670165	0	0.000259	0	0.00004	30	0	306.980727
289.483069	266.572366	0	0.000594	0	0.00006	30	0	353.089534
319.011917	263.719874	2.9	0.000689	0	0.00005	30	0	338.682927
348.540766	262.14382	9.1	0.000662	0	0.00007	30	0	300.742547
378.069615	289.859091	10.8	0.000816	0	0.00001	30	0	262.802168
382.409268	290.795988	14.2	0.00103	0	0	30	0	224.861789
372.58	258.204075	15.9	0.000706	0	0	30	0	191.231321
362.750732	257.580607	19.4	0.000397	0	0	30	0	159.811232
352.921463	272.269109	20.3	0.000184	0	0	30	0	128.391143
340.176386	282.062605	22.2	0.000086	0	0	30	0	96.971054
324.94747	255.8	21.3	0.000054	0	0	30	0	87.79226
309.718554	255.8	19.4	0.00004	0	0	30	0	92.303181
294.489639	259.447959	17.2	0.000034	0	0	30	0	96.814103
285.255463	265.917647	12.7	0.000035	0	0	30	0	101.325024
285.397677	254.154167	10.6	0.000048	0	0	30	0	112.569435
285.539891	253.633948	6.2	0.000063	0	0	30	0	133.624556
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285.636224	253.6	0	0.000107	0	0.00001	30	0	193.126227
285.496364	253.6	0	0.000111	0	0.00002	30	0	193.827489
285.356503	252.64525	0	0.000115	0	0	30	0	194.528752
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291.231959	256.582353	0	0.000118	0	0.00001	30	0	195.931276
298.078678	252.3	0	0.000139	0	0.00001	30	0	204.120351
304.925397	252.3	0	0.000212	0	0.00004	30	0	213.122957
311.772116	268.679205	0	0.000314	0	0.00003	30	0	222.125563
325.013386	267.21002	1.8	0.000367	0	0.00006	30	0	231.128169
341.548819	253	5.6	0.000424	0	0.00007	30	0	224.088046
358.084252	253.200196	6.5	0.000672	0	0.00015	30	0	209.533047
374.619685	274.882975	8.3	0.000722	0	0.00009	30	0	194.978048
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379.036288	256.663452	12.9	0.000456	0	0.00006	30	0	164.129109
376.065756	257.1	13.4	0.000388	0	0.00003	30	0	146.02525
373.095223	264.270612	14.3	0.000305	0	0.00007	30	0	127.921391
368.133584	306.891389	14	0.000297	0	0.00001	30	0	109.817532
357.534289	258.556338	13.3	0.000229	0	0.00002	30	0	95.975439
346.934994	259.025822	13.4	0.000193	0	0.00001	30	0	92.466667
336.335699	259.1	13.5	0.000162	0	0.00001	30	0	88.957895
325.765429	288.986214	12.4	0.000138	0	0	30	0	85.449123
320.003524	263.708826	10.1	0.00013	0	0	30	0	82.211825
314.241619	259.1	9.2	0.00011	0	0.00001	30	0	94.672123
308.479714	259.1	7.2	0.000096	0	0	30	0	107.132421
302.71781	273.812074	6.6	0.000094	0	0	30	0	119.592719
300.813939	264.650968	5.3	0.000097	0	0	30	0	132.053017
299.838677	259.516172	4.7	0.000104	0	0	30	0	140.882038
298.863416	260.130098	3.6	0.00011	0	0	30	0	149.412381
297.888154	269.046629	2.4	0.000115	0	0	30	0	157.942725
296.775971	268.007299	0	0.000121	0	0.00001	30	0	166.473068
295.573265	260.86122	0	0.000122	0	0	30	0	170.202683
294.370559	261.2	0	0.000122	0	0	30	0	172.88561
293.167853	268.67678	0	0.000127	0	0	30	0	175.568537
305.581788	268.942842	0	0.00018	0	0	30	0	178.251463
326.664912	262.462736	0	0.000339	0	0	30	0	176.870015
347.748035	263.722646	0	0.000519	0	0	30	0	173.915805
368.831159	289.882604	2	0.000723	0	0	30	0	170.961595
373.472917	294.415094	6.3	0.000734	0	0	30	0	168.007386
368.906485	268.635593	7.8	0.000616	0	0	30	0	170.935307
364.340053	269.688605	10.9	0.00034	0	0	30	0	176.906942
359.773622	284.898	11.5	0.000229	0	0	30	0	182.878577
351.228512	295.236087	12.8	0.000233	0	0.00001	30	0	188.850211
339.069182	271.086175	13	0.00023	0	0	30	0	174.074103
326.909853	271.715658	13.3	0.000195	0	0.00003	30	0	147.627389
314.750524	282.278161	13.1	0.000196	0	0.00001	30	0	121.180676
308.89222	279.137634	12.7	0.000219	0	0.00005	30	0	94.733962
305.632643	272.1	12.5	0.000212	0	0.00002	30	0	90.573324
302.373067	272.365728	12.2	0.000202	0	0.00001	30	0	91.271648
299.11349	277.487832	12.2	0.000176	0	0.00003	30	0	91.969972
294.476903	280.994118	12.1	0.000133	0	0.00001	30	0	92.668296
288.490573	273.5	11.6	0.000107	0	0.00002	30	0	96.340797
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276.517912	273.422383	9.9	0.000085	0	0	30	0	109.067641
274.032735	272.994902	8.4	0.000078	0	0	30	0	115.431063
281.409585	274.2	7.5	0.000095	0	0	30	0	126.928241
288.786435	274.2	5.5	0.000192	0	0	30	0	151.496473
296.163286	274.742547	5.7	0.00024	0	0	30	0	176.064704
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293.298834	283.776735	0	0.000135	0	0	30	0	225.700099
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293.00736	276.3	0	0.000153	0	0	30	0	224.542072
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292.715885	282.831495	1.2	0.000132	0	0	30	0	220.16464
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300.466012	277	1.5	0.000179	0	0	30	0	225.622518
304.57284	277.465918	1.8	0.000237	0	0	30	0	233.162101
308.679667	290.403933	2.5	0.000176	0	0	30	0	240.701684
306.106131	279.809032	3.3	0.000151	0	0	30	0	247.556312
302.967445	277.6	4.9	0.000153	0	0	30	0	233.691073
299.828759	278.042345	3.7	0.000182	0	0	30	0	219.825833
296.690073	284.352366	1.3	0.000198	0	0.00002	30	0	205.960594
306.506778	281.111853	1.6	0.000284	0	0.00002	30	0	192.095354
319.323007	279.419449	2.2	0.000409	0	0.00001	30	0	175.868318
332.139236	279.988824	3.7	0.000485	0	0.00003	30	0	159.438695
344.955465	297.378616	6.9	0.000473	0	0.00003	30	0	143.009073
343.069225	294.727927	8	0.00037	0	0.00007	30	0	126.579451
332.248043	282.162267	10.4	0.00027	0	0.00001	30	0	121.695004
321.426861	282.5	11	0.000199	0	0.00003	30	0	118.960726
310.605679	289.60191	12.4	0.000124	0	0	30	0	116.226448
301.068055	285.958792	12.1	0.000106	0	0.00001	30	0	113.49217
292.047095	281.396068	11.4	0.000097	0	0.00001	30	0	112.786902
283.026134	281.7	10.8	0.00009	0	0	30	0	112.527027
274.005174	278.531097	9.7	0.00008	0	0	30	0	112.267152
272.723045	280.912157	9.2	0.000073	0	0	30	0	112.007277
271.9	282.235554	8.2	0.000072	0	0	30	0	125.284738
271.076955	281.987354	7.6	0.000076	0	0	30	0	138.952164
270.253909	277.537117	6.3	0.00008	0	0	30	0	152.61959
274.387463	280.667518	5.7	0.000104	0	0	30	0	166.301901
279.661095	281.7	4.4	0.000142	0	0	30	0	180.678119
284.934726	281.7	4.9	0.000144	0	0.00001	30	0	195.054337
290.208358	284.914545	5.9	0.000211	0	0	30	0	209.430556
297.719247	283.545005	6.2	0.000255	0	0	30	0	223.806774
305.814135	282.859717	6.8	0.000296	0	0	30	0	196.89443
313.909024	283.1	7.7	0.000332	0	0.00002	30	0	166.244953
322.003913	294.960081	9.6	0.000342	0	0.00002	30	0	135.595476
322.494514	290.964574	10.2	0.000327	0	0.00001	30	0	104.945999
319.787857	283.474812	11.6	0.000287	0	0.00003	30	0	95.366642
317.0812	283.48959	12	0.000281	0	0.00001	30	0	90.858753
314.374543	290.245625	12.9	0.000264	0	0.00003	30	0	86.350864
311.781222	289.959146	13.7	0.000233	0	0.00002	30	0	81.842975
309.262519	283.415882	15.3	0.000241	0	0.00001	30	0	80.806429
306.743815	283.1	14.5	0.000241	0	0.00005	30	0	80.568333
304.225112	287.744785	12.8	0.000204	0	0.00002	30	0	80.330238
302.692106	288.48428	13.4	0.000185	0	0.00008	30	0	80.092143
301.835625	283.1	14.7	0.000224	0	0.00008	30	0	80.709327
300.979144	283.01096	14.8	0.00018	0	0.00009	30	0	81.866466
300.122662	283.570175	15.1	0.000187	0	0.00007	30	0	83.023606
299.741189	289.725	15.2	0.000217	0	0.00009	30	0	84.180745
300.624666	282.5	15.5	0.000189	0	0.00009	30	0	85.418638
301.508142	282.5	15.5	0.000201	0	0.00006	30	0	86.85233
302.391619	282.5	15.5	0.000217	0	0.00007	30	0	88.286022
303.5825	292.070464	15.6	0.000232	0	0.00006	30	0	89.719713
308.0825	282.290775	15.9	0.000241	0	0.00008	30	0	91.130329
312.5825	281.149333	16.1	0.00026	0	0.00006	30	0	92.348356
317.0825	281.521321	16.5	0.000288	0	0.00005	30	0	93.566382
321.5825	296.759318	16.7	0.000305	0	0.00008	30	0	94.784409
321.948976	284.488357	17.1	0.00029	0	0.00005	30	0	95.999523
321.778328	281	17.4	0.000272	0	0.00004	30	0	95.760859
321.607679	281	18.2	0.000276	0	0.00001	30	0	95.522196
321.437031	294.323838	18.5	0.000277	0	0.00001	30	0	95.283532
335.748461	287.615	19.1	0.00033	0	0	30	0	95.044869
354.073443	280.3	19.3	0.000486	0	0	30	0	112.280822
372.398425	280.3	19.7	0.00062	0	0	30	0	133.562622
390.723407	307.577171	20.5	0.000722	0	0	30	0	154.844423
383.281081	308.877935	22.2	0.000575	0	0	30	0	176.126223
358.080205	280.3	23.1	0.000196	0	0	30	0	159.176582
332.879328	280.119748	25	0.000081	0	0	30	0	127.652524

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307.678451	282.161959	24.7	0.000052	0	0	30	0	96.128466
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259.140628	268.454009	6.2	0.000061	0	0	30	0	141.111111
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265.813837	276.3	2.5	0.000087	0	0	30	0	168.595041
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273.263077	275.689535	0.6	0.000125	0	0	30	0	186.238628
274.305261	276.232171	0	0.000114	0	0	30	0	186.968378
275.347444	276.3	0	0.000114	0	0	30	0	187.698127
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276.338531	275.911447	0	0.00012	0	0	30	0	181.540206
276.512877	275.6	0	0.000141	0	0	30	0	180.250746
276.687223	275.6	0	0.000129	0	0.00001	30	0	180.997015
276.861569	274.861798	0	0.000122	0	0	30	0	181.743284
276.927737	275.810108	0	0.000117	0	0	30	0	182.489552
276.576948	274.8	0	0.000116	0	0	30	0	182.920881
276.226159	274.8	0	0.000117	0	0	30	0	182.670506
275.87537	274.8	0	0.000116	0	0	30	0	182.42013
275.526585	275.15871	0	0.000116	0	0	30	0	182.169755
275.185122	274.721698	0	0.000116	0	0	30	0	182
274.843659	274.25	0	0.000116	0	0	30	0	182
274.502195	274.2	0	0.000118	0	0	30	0	182
274.158601	274.2	0	0.000117	0	0	30	0	182
273.798611	274.238644	0	0.000117	0	0	30	0	182.061858
273.438622	274.747119	0	0.000117	0	0	30	0	182.325086
273.078632	274.197333	0	0.000116	0	0.00001	30	0	182.588313
272.72321	273.927711	0	0.000116	0	0.00002	30	0	182.85154
272.383429	274.658582	0	0.000117	0	0	30	0	183
272.043649	274.2	0	0.000117	0	0.00002	30	0	183
271.703868	273.848065	0	0.000116	0	0	30	0	183
271.363879	273.253381	0	0.000115	0	0.00001	30	0	183
271.023578	274.2	0	0.000115	0	0.00001	30	0	182.754453
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270.342975	273.310722	0	0.000114	0	0.00001	30	0	181.804559
269.957644	272.483627	0	0.000114	0	0	30	0	181.329613
269.459896	274.2	0	0.000114	0	0	30	0	180.564929
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268.059367	271.229796	0	0.000115	0	0	30	0	176.299526
268.945443	273.978137	0	0.000115	0	0	30	0	175.666839
269.831519	273.650085	0	0.000121	0	0	30	0	183.420781
270.717595	274.039072	0	0.00015	0	0	30	0	191.174722
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366.981825	275.476395	3.4	0.000874	0	0	30	0	193.074817
397.463034	329.209407	10.4	0.000967	0	0	30	0	187.695844
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415.472743	276.824864	16.6	0.000941	0	0	30	0	190.398249
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433.482451	336.841062	21.2	0.000591	0	0	30	0	203.527352
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390.665599	275.837958	24.1	0.000227	0	0	30	0	183.428781
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368.875585	274.8	23.8	0.000253	0	0.00003	30	0	146.084377
366.914307	274.8	23.8	0.00028	0	0.00001	30	0	135.318227
364.95303	304.269623	23.7	0.00031	0	0.00004	30	0	124.552078
367.389116	285.524406	23.9	0.000343	0	0.00002	30	0	113.785929
370.790476	274.2	24.4	0.000378	0	0.00002	30	0	111.186797
374.191837	274.2	24.2	0.000407	0	0.00001	30	0	109.230807
377.593197	304.632389	23.9	0.000431	0	0	30	0	107.274817
381.147844	292.670769	24.5	0.000448	0	0	30	0	105.318826
384.76694	274.2	25.9	0.000451	0	0	30	0	108.630773
388.386037	274.2	26.1	0.000456	0	0	30	0	112.968614
392.005133	314.392268	26.5	0.000484	0	0	30	0	117.306456
394.552488	289.617742	26.6	0.000539	0	0	30	0	121.644297
396.845171	274.2	26.9	0.000542	0	0	30	0	118.865366
399.137854	274.511739	27.1	0.000487	0	0	30	0	115.450732
401.430537	311.041531	27.5	0.000436	0	0	30	0	112.036098
396.599636	298.848601	27.7	0.000406	0	0	30	0	108.621463
388.83076	275.222457	28	0.000381	0	0	30	0	101.81663
381.061884	275.6	28.1	0.000339	0	0	30	0	94.257498
373.293008	297.226147	28.2	0.000287	0	0	30	0	86.698366
360.085137	298.576674	27.9	0.000252	0	0.00002	30	0	79.139234
343.081975	275.924917	27.3	0.000209	0	0	30	0	72.923241
326.078813	276.057614	27.1	0.000149	0	0.00004	30	0	67.237385
309.075651	279.855831	26.7	0.000119	0	0.00001	30	0	61.551528
295.397346	283.818155	26	0.000089	0	0.00001	30	0	55.865672
285.349953	275.6	24.6	0.000065	0	0.00001	30	0	50.653182
275.302559	275.6	23.2	0.00005	0	0	30	0	45.921694
265.255166	274.552405	20.3	0.000039	0	0.00001	30	0	41.190206
259.424606	267.882098	19.2	0.000036	0	0	30	0	36.458718
265.721531	275.6	16.9	0.000056	0	0.00001	30	0	40.254082
272.018455	275.6	16.4	0.000086	0	0	30	0	67.22093
278.315379	276.836959	15.5	0.00013	0	0.00006	30	0	94.187778
287.019509	280.388435	15.8	0.000217	0	0.00006	30	0	121.154626
311.97694	277.709931	16.5	0.000352	0	0.00006	30	0	142.721516
336.934371	279.326559	16.8	0.000526	0	0.00006	30	0	145.9
361.891802	280.720102	17.5	0.000619	0	0.00001	30	0	149.078484
386.073284	327.976936	18.8	0.000562	0	0.00008	30	0	152.256968
367.92242	283.677965	21.5	0.000472	0	0.00001	30	0	153.16566
349.771556	283.676248	22.5	0.000248	0	0.00005	30	0	139.776319
331.620691	284.80715	24.7	0.00013	0	0.00003	30	0	126.386978
314.504692	299.386498	24.9	0.000073	0	0.00002	30	0	112.997637
301.528152	284.5	25.2	0.00007	0	0.00003	30	0	102.527314
288.551613	284.5	25.2	0.000074	0	0.00001	30	0	98.037416
275.575073	284.5	25.2	0.000058	0	0.00004	30	0	93.547518
263.048399	274.702167	25.3	0.000048	0	0.00002	30	0	89.05762
254.23728	285.2	25.4	0.00005	0	0.00004	30	0	82.142044
245.42616	285.2	25.2	0.00005	0	0.00002	30	0	70.048138
236.615041	285.2	24.9	0.000041	0	0.00001	30	0	57.954233
228.236604	258.063761	24.5	0.000031	0	0.00002	30	0	45.860327
224.902477	283.502895	23.6	0.000023	0	0	30	0	34.927178
221.56835	284.65225	22.7	0.000018	0	0.00001	30	0	34.213232
218.234222	285.021998	20.9	0.000016	0	0	30	0	33.499286
214.900095	258.464105	19.1	0.000016	0	0	30	0	32.78534
217.986396	276.154559	15.5	0.000016	0	0	30	0	32.071395
221.94821	285.575445	13.8	0.000019	0	0	30	0	55.027719
225.910024	285.8	10.4	0.00003	0	0	30	0	80.614072
229.871838	270.796907	9.1	0.000044	0	0	30	0	106.200426
234.277737	273.810762	6.4	0.000058	0	0.00001	30	0	131.78678
238.883152	286.5	5.3	0.000072	0	0	30	0	146.332478
243.488567	286.664342	3	0.000081	0	0.00001	30	0	155.658662

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252.121056	273.531929	2	0.000096	0	0.00001	30	0	174.311028
255.159149	287.308274	1.8	0.000113	0	0.00001	30	0	180.467514
258.197242	287.781087	1.4	0.000132	0	0	30	0	181.666267
261.235335	288.559644	1.2	0.000127	0	0	30	0	182.86502
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265.38785	289.916722	0	0.000117	0	0	30	0	185
266.051894	290	0	0.000117	0	0	30	0	185
266.70764	279.483965	0	0.000116	0	0	30	0	185
267.025955	288.81996	0	0.000115	0	0	30	0	184.971149
267.34427	290	0	0.000115	0	0	30	0	184.482152
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268.182436	288.956526	0	0.000118	0	0	30	0	183.015159
268.376516	291.3	0	0.000117	0	0	30	0	182.518987
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268.764677	283.808324	0	0.000117	0	0	30	0	181.526185
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268.117055	291.762521	0	0.000116	0	0	30	0	181
267.741397	292	0	0.000117	0	0	30	0	181
267.36574	283.582645	0	0.000117	0	0	30	0	181
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267.960434	292.7	0	0.000116	0	0.00001	30	0	180.793128
268.322316	292.7	0	0.00012	0	0	30	0	180.552859
268.684198	286.274055	0	0.00014	0	0.00001	30	0	180.31259
269.122964	287.780901	0	0.000129	0	0	30	0	180.072321
269.59791	293.3	0	0.000142	0	0	30	0	181.822038
270.072857	293.3	0	0.000145	0	0	30	0	184.428673
270.547803	289.580896	0	0.000126	0	0	30	0	187.035308
270.721815	285.869108	0.2	0.000119	0	0	30	0	189.641943
270.555108	293.47459	0.7	0.000121	0	0	30	0	190.885925
270.388402	294	0.8	0.000122	0	0.00001	30	0	190.647773
270.221696	292.521649	0.9	0.000137	0	0	30	0	190.409621
271.04814	283.791983	0.6	0.000143	0	0.00002	30	0	190.171469
274.559767	294	0	0.000132	0	0.00001	30	0	194.71028
278.071395	294	0.7	0.000139	0	0.00001	30	0	211.53271
281.583023	294	2.2	0.000193	0	0.00002	30	0	228.35514
285.094651	290.573399	2.8	0.000253	0	0	30	0	245.17757
287.897674	293.952228	3.9	0.000314	0	0.00003	30	0	262
290.678782	295.250573	5.3	0.000326	0	0	30	0	220.547952
293.45989	295.5	8.1	0.000266	0	0.00003	30	0	179.095904
296.240997	295.933784	8.9	0.000241	0	0.00002	30	0	137.643856
301.728636	295.669042	10.4	0.000235	0	0.00002	30	0	96.191808
307.897141	295.025487	10.9	0.000222	0	0.00002	30	0	126.911772
314.065647	295.168627	12	0.000328	0	0	30	0	163.652587
320.234152	303.969011	12.3	0.000541	0	0.00003	30	0	200.393402
312.26511	297.649946	13	0.000397	0	0	30	0	237.134216
301.001374	293.544311	13.9	0.000184	0	0	30	0	227.197564
289.737637	292.918884	15.7	0.000084	0	0	30	0	213.312058
278.473901	287.166258	15.3	0.000061	0	0	30	0	199.426553
275.025592	289.504892	14.4	0.000049	0	0	30	0	185.541048
273.4464	291.64186	12.2	0.000054	0	0	30	0	184.713187
271.867209	291.045829	7.6	0.000061	0	0	30	0	186.810112
270.288017	286.669814	6	0.00007	0	0	30	0	188.907036
269.75303	283.588725	2.6	0.000089	0	0	30	0	191.003961
270.258081	289.600945	1.7	0.000101	0	0	30	0	192.398331
270.763131	288.6	0	0.000105	0	0	30	0	193.157056
271.268182	285.665795	0	0.000111	0	0	30	0	193.915781
271.407634	283.253232	0	0.000112	0	0	30	0	194.674507
271.236902	287.596102	0	0.000116	0	0	30	0	194.295757
271.066171	287.046832	0	0.000117	0	0	30	0	193.062407
270.895439	284.685816	0	0.000118	0	0	30	0	191.829058

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270.454736	281.666094	0	0.00012	0	0.00002	30	0	189.057202
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269.764898	280.3	0	0.000121	0	0.00001	30	0	189.572533
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269.5	273.906576	0	0.00012	0	0	30	0	193.326861
269.5	277.436228	0	0.00012	0	0	30	0	194.150313
269.5	276.419014	0	0.000119	0	0	30	0	194.614243
269.5	276.3	0	0.000119	0	0	30	0	195.078172
269.5	273.378287	0	0.000137	0	0	30	0	195.542102
269.640654	275.181765	0	0.000136	0	0	30	0	196.030945
269.783886	275.028668	0	0.000133	0	0	30	0	198.411331
269.927119	274.8	0	0.000133	0	0	30	0	200.791716
270.070351	273.047889	0	0.000122	0	0	30	0	203.172102
269.846708	273.039833	0	0.00012	0	0	30	0	205.552488
269.527297	273.115882	0	0.00012	0	0	30	0	205.592982
269.207887	272.466564	0	0.00012	0	0	30	0	205.091729
268.888477	271.19176	0	0.00012	0	0	30	0	204.590476
268.431212	271.503678	0	0.00012	0	0	30	0	204.089223
267.921132	271.789914	0	0.000121	0	0	30	0	203.216583
267.411052	271.5	0	0.00012	0	0	30	0	202.263522
266.900972	270.209529	0	0.000119	0	0	30	0	201.31046
267.103808	269.387941	0	0.000119	0	0	30	0	200.357398
267.770157	269.88156	0	0.00012	0	0	30	0	199.532885
268.436506	269.5	0	0.000146	0	0	30	0	198.785501
269.102856	269.406691	0	0.000143	0	0	30	0	198.038117
279.730258	269.031227	0.4	0.000136	0	0	30	0	197.290732
305.052679	268.8	1.3	0.000215	0	0	30	0	201.055951
330.375099	268.598844	1.9	0.000506	0	0.00002	30	0	207.694168
355.69752	279.920949	3.3	0.000851	0	0	30	0	214.332385
367.240346	306.752055	5.7	0.000762	0	0.00006	30	0	220.970602
355.520845	267.182034	10.6	0.000471	0.00006	0.00002	30	0.8	218.140855
343.801345	266.7	12.2	0.000363	0.00004	0	30	0.7	200.687561
332.081844	268.440434	15.3	0.000198	0	0	30	0	183.234267
323.17514	291.951019	15.8	0.000129	0	0	30	0	165.780973
324.978699	266.61105	16.9	0.000113	0	0	30	0	154.568182
326.782257	266.058564	16.8	0.000153	0	0	30	0	156.316434
328.585815	266	16.5	0.000214	0	0.00001	30	0	158.064685
329.981081	297.510408	16.6	0.000355	0	0.00001	30	0	159.812937
327.896139	265.209516	16.7	0.000393	0	0.00002	30	0	159.262181
325.811197	264.654401	17	0.000339	0	0.00002	30	0	153.848415
323.726255	264.6	17.5	0.000263	0	0	30	0	148.434648
319.829177	290.10257	17.4	0.00017	0	0	30	0	143.020882
309.507256	264.6	17.1	0.00014	0	0	30	0	139.012658
299.185335	264.540581	16.2	0.000118	0	0	30	0	136.778853
288.863413	265.47199	14.4	0.000098	0	0	30	0	134.545048
281.915006	270.990798	12.2	0.000089	0	0	30	0	132.311243
282.617641	263.155847	7.6	0.000087	0	0	30	0	139.493573
283.320276	262.645511	6	0.000088	0	0	30	0	160.059126
284.022911	264.380157	2.5	0.000111	0	0	30	0	180.624679
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403.845828	263.330137	8.1	0.000995	0	0.0001	30	0	170.334123
421.5	265.937666	10.2	0.000956	0	0.00003	30	0	169.860526
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441.299057	265.3	16.8	0.000552	0	0.00006	30	0	239.226185
441.157828	352.322129	17.3	0.000475	0	0	30	0	271.395761
430.522162	265.308341	18.4	0.000368	0	0.00003	30	0	290.628089
419.886495	265.949954	18.3	0.000314	0	0.00001	30	0	248.015885
409.250829	266.666736	18.1	0.000291	0	0.00004	30	0	205.403681
398.758804	331.691864	17.5	0.00035	0	0.00003	30	0	162.791478
389.531388	266.025104	16.3	0.000378	0	0.00006	30	0	128.46081
380.303972	266.608924	16.1	0.000299	0	0.00003	30	0	125.856027
371.076556	266.7	15.8	0.000218	0	0.00001	30	0	123.251243
361.84914	306.556065	15.4	0.000197	0	0.00005	30	0	120.64646
368.901114	274.856925	14.6	0.000255	0	0.00004	30	0	118.041677
376.404829	267.118428	14.4	0.000327	0	0.00007	30	0	117.750949
383.908544	267.732531	13.9	0.000442	0	0.00004	30	0	117.497849
391.412259	315.591203	14.6	0.000507	0	0.00004	30	0	117.244748
391.014927	278.275211	15.9	0.000501	0	0.00006	30	0	117.217052
390.068325	270.384082	16.7	0.000467	0	0.00003	30	0	123.794397
389.121723	270.8	18.4	0.000419	0	0.00004	30	0	130.371742
388.175121	311.358763	18.9	0.000335	0	0	30	0	136.949086
379.504489	286.944641	20	0.000301	0	0	30	0	143.526431
369.080549	272.1	20.2	0.000272	0	0	30	0	129.862138
358.656608	272.476804	20.7	0.00025	0	0	30	0	114.627373
348.232668	296.667261	20.7	0.00022	0	0.00001	30	0	99.392607
339.449022	282.714751	20.7	0.000214	0	0.00001	30	0	84.157842
331.062714	273.918139	20.6	0.000196	0	0.00007	30	0	82.099196
322.676406	274.51978	20.3	0.000171	0	0.00003	30	0	81.124299
314.290098	285.672834	20.2	0.000171	0	0.00005	30	0	80.149403
304.385613	282.025081	20	0.000157	0	0.00004	30	0	79.174506
293.875981	275.965146	19.7	0.00011	0	0.00002	30	0	77.395309
283.36635	276.003991	19	0.000079	0	0.00002	30	0	75.440753
272.856718	273.973457	18.5	0.000065	0	0.00001	30	0	73.486196
267.783684	274.37578	17.4	0.000055	0	0.00002	30	0	71.531639
266.128446	276.3	17	0.000047	0	0.00001	30	0	83.127719
264.473209	276.3	16	0.000048	0	0.00001	30	0	99.786673
262.817971	274.628351	14.3	0.000051	0	0	30	0	116.445627
262.316589	271.376447	10.6	0.000058	0	0	30	0	133.104581
263.65838	277.122898	9.4	0.000063	0	0	30	0	146.274994
265.000171	277.6	6.8	0.000066	0	0	30	0	154.341481
266.341961	277.349091	6.6	0.000071	0	0	30	0	162.407969
268.182926	273.703066	6.1	0.000082	0	0	30	0	170.474456
271.270078	278.389669	5.5	0.000092	0	0	30	0	177.939839
274.357231	278.968182	4.3	0.000097	0	0	30	0	184.098058
277.444384	279	2.9	0.000103	0	0	30	0	190.256277
280.377605	279.953656	0	0.000111	0	0	30	0	196.414495
281.412343	280.275216	0	0.000116	0	0	30	0	202.070366
282.447081	280.834057	0	0.000119	0	0	30	0	202.826986
283.481818	280.467375	0	0.00012	0	0	30	0	203.583607
284.594915	282.765909	0	0.000131	0	0.00001	30	0	204.340227
290.527119	282.521959	0	0.000245	0	0.00001	30	0	204.439689
296.459322	283.470479	0	0.000303	0	0.00001	30	0	200.062257
302.391525	284.805128	2	0.00028	0	0.00001	30	0	195.684825
308.323729	294.229278	5.9	0.000201	0	0	30	0	191.307393
310.673861	287.691522	4.9	0.000157	0	0.00002	30	0	187.443077
312.563095	285.8	2.9	0.000132	0	0	30	0	215.135385
314.452329	286.7524	2.4	0.000204	0	0.00002	30	0	242.827692

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316.475018	300.196115	1.3	0.000265	0	0	30	0	270.52
324.43039	289.893023	2.3	0.00032	0	0.00001	30	0	291.3309
332.385763	290.278583	4.1	0.000391	0	0.00001	30	0	259.70073
340.341135	291.632688	5.4	0.000406	0	0	30	0	228.07056
348.296507	314.317058	7.9	0.000369	0	0.00002	30	0	196.440389
342.887221	298.449624	8.8	0.000358	0	0	30	0	164.89763
335.976455	294.497229	10.8	0.000296	0	0.00003	30	0	147.836019
329.065689	295.218812	11.5	0.000248	0	0.00001	30	0	130.774408
322.154922	303.610972	13	0.000212	0	0.00001	30	0	113.712796
313.603597	300.09716	13	0.000152	0	0.00003	30	0	96.651185
304.575981	295.793437	12.9	0.000149	0	0.00001	30	0	94.875447
295.548364	296.1	12.4	0.000111	0	0.00003	30	0	97.261513
286.520747	293.7	11.5	0.000092	0	0	30	0	99.647578
281.228247	291.607826	11.3	0.000112	0	0.00002	30	0	102.033644
280.215901	296.352712	10.8	0.000104	0	0.00001	30	0	103.730241
279.203556	296.8	10.7	0.000124	0	0.00001	30	0	104.957536
278.19121	294.096327	10.4	0.000112	0	0.00001	30	0	106.184831
283.583354	290.222979	10.3	0.000149	0	0	30	0	107.412126
297.966415	296.99622	10	0.000196	0	0.00003	30	0	108.760029
312.349477	297.564731	10	0.000282	0	0	30	0	110.218818
326.732538	301.31522	10.1	0.000413	0	0.00002	30	0	111.677608
339.298218	314.147261	11	0.000501	0	0	30	0	113.136397
347.76147	298.956545	13	0.00049	0	0.00001	30	0	113.305447
356.224722	299.5	13.9	0.000439	0	0.00002	30	0	111.603113
364.687973	304.121713	15.7	0.000446	0	0.00001	30	0	109.900778
368.696221	330.084985	16.5	0.00043	0	0.00001	30	0	108.198444
360.411337	299.424661	18	0.000405	0	0	30	0	106.927504
352.126453	298.831441	18.7	0.000318	0	0.00002	30	0	106.682586
343.84157	298.8	20	0.00025	0	0.00001	30	0	106.437668
334.506418	317.117153	20.1	0.000212	0	0.00001	30	0	106.19275
318.610896	297.5	20.4	0.000175	0	0.00002	30	0	104.182229
302.715373	297.5	20	0.000135	0	0.00001	30	0	95.648092
286.819851	296.882399	19.1	0.000089	0	0.00004	30	0	87.113956
274.018661	284.518611	18.5	0.000071	0	0.00004	30	0	78.579819
284.346296	295.5	17.4	0.000088	0	0.0001	30	0	74.50095
294.673932	295.5	16.9	0.000149	0	0.00007	30	0	85.422127
305.001567	294.892063	15.9	0.00022	0	0.00008	30	0	96.343305
315.329202	303.122222	16.4	0.000237	0	0.00005	30	0	107.264482
309.473666	295.770183	17.5	0.00025	0	0.00006	30	0	117.839855
301.939081	293.504215	17.8	0.000218	0	0.00009	30	0	108.419565
294.404496	293.3	18.4	0.000165	0	0.00007	30	0	98.999275
286.869911	290.701906	18.2	0.000125	0	0.00007	30	0	89.578986
279.731801	291.816501	17.8	0.000131	0	0.00006	30	0	80.158696
272.659308	291.80375	17.3	0.000092	0	0.00005	30	0	85.79845
265.586815	291.3	16.3	0.000075	0	0.00005	30	0	93.550388
258.514322	278.348264	16.1	0.000064	0	0.00002	30	0	101.302326
255.998485	287.819819	15.7	0.00006	0	0.00004	30	0	109.061614
253.994575	290.1815	15	0.000061	0	0.00002	30	0	117.86357
251.990665	289.544535	13.5	0.000062	0	0.00001	30	0	126.665526
249.986755	275.820846	12.1	0.000067	0	0	30	0	135.467482
252.277622	284.140279	9.3	0.000071	0	0	30	0	144.269438
255.595616	289.3	7.9	0.000073	0	0	30	0	158.034826
258.913611	288.921145	5.1	0.000078	0	0	30	0	172.249467
262.231606	281.502632	3.4	0.000085	0	0	30	0	186.464108
264.626874	282.251471	0	0.000096	0	0	30	0	200.678749
266.583914	287.528967	0	0.000107	0	0	30	0	205.333094
268.540955	287.2	0	0.000114	0	0	30	0	205.811677
270.497995	284.34268	0	0.000118	0	0.00001	30	0	206.290261
271.884527	281.72997	0	0.000119	0	0.00001	30	0	206.768844
272.672493	286.5	0	0.000119	0	0	30	0	206.747805
273.460458	286.434446	0	0.000118	0	0.00001	30	0	206.26
274.248424	284.913265	0	0.000118	0	0	30	0	205.772195
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329.674661	285.2	3.2	0.000689	0	0	30	0	295.139253
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285.66715	284.63052	14.2	0.000095	0	0.00001	30	0	220.156361
286.274626	284.161202	13.9	0.000121	0	0.00001	30	0	198.190142
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285.042133	284.823235	14.6	0.000144	0	0.00003	30	0	137.92385
279.402322	282.926942	14.6	0.000122	0	0.00001	30	0	128.359886
273.762512	282.5	14.3	0.000101	0	0.00001	30	0	129.071124
268.122701	281.365206	13.6	0.000086	0	0.00001	30	0	129.782361
263.725176	274.599902	12.6	0.000077	0	0	30	0	130.493599
262.703527	282.41322	10.6	0.000077	0	0	30	0	133.739512
261.681878	281.735254	9.8	0.000076	0	0	30	0	143.251707
260.660229	282.437026	8.1	0.000075	0	0	30	0	152.763902
260.178553	271.15	6.9	0.000078	0	0	30	0	162.276098
262.574459	281	4.6	0.000083	0	0	30	0	171.483063
264.970365	281	4	0.000092	0	0	30	0	179.371694
267.366271	281	2.8	0.000103	0	0	30	0	187.260325
269.762177	277.002962	2.7	0.000118	0	0.00002	30	0	195.148956
270.653532	279.475487	2.6	0.000113	0	0	30	0	203.037587
271.297924	280.581993	3.2	0.000113	0	0.00002	30	0	203.580707
271.942315	280.670714	4.3	0.000117	0	0.00001	30	0	203.103152
272.586706	278.60145	4.1	0.000121	0	0	30	0	202.625597
273.655897	278.535511	3.6	0.00012	0	0.00002	30	0	202.148042
274.935264	280.055972	2.4	0.000118	0	0.00001	30	0	213.553488
276.214631	279.7	0	0.000117	0	0.00002	30	0	230.297674
277.493999	279.465357	0.4	0.000172	0	0	30	0	247.04186
281.294941	278.896271	1.3	0.000288	0	0.00001	30	0	263.786047
289.389376	279.7	2.1	0.000314	0	0	30	0	258.303704
297.483811	279.7	3.9	0.000304	0	0	30	0	218.05679
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313.43817	278.900943	8.6	0.000166	0	0.00002	30	0	118.189055
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316.132193	297.265377	9	0.000189	0	0	30	0	181.621891
306.25661	278.2125	9.7	0.00018	0	0	30	0	190.075537
296.381026	277.665625	11.2	0.00018	0	0.00001	30	0	171.56159
286.505443	277.6	10.6	0.000144	0	0.00001	30	0	153.047643
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279	276.935882	8.3	0.000098	0	0	30	0	126.499148
279	276.347647	6.2	0.000093	0	0.00001	30	0	146.942078
279	276.3	5.1	0.000098	0	0	30	0	167.385009
279.12105	277.609804	3	0.000108	0	0	30	0	187.827939
279.991913	275.6	3	0.000116	0	0	30	0	205.775708
280.862777	275.6	3.1	0.000132	0	0	30	0	210.623884
281.73364	275.6	2.1	0.000152	0	0	30	0	215.472059
282.434459	278.640577	0	0.000141	0	0	30	0	220.320235
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280.286494	277.153829	3.1	0.000193	0	0.00002	30	0	232.625938
280.139687	274.349217	3.7	0.000158	0	0.00001	30	0	233.427711
279.99288	274.2	4.8	0.000114	0	0.00002	30	0	218.869478
279.846073	273.610112	4.8	0.000127	0	0	30	0	204.311245
279.698294	276.248454	4.8	0.000129	0	0.00002	30	0	189.753012
279.356997	273.633333	3.5	0.000141	0	0.00001	30	0	177.302144
279.0157	272.970866	0.9	0.000147	0	0.00001	30	0	179.738791
278.674403	272.8	0.6	0.000133	0	0.00001	30	0	182.175439
278.333106	274.932653	0	0.000135	0	0	30	0	184.612086
291.672874	272.621817	0	0.000164	0	0.00001	30	0	186.853659
306.482258	272.570492	0	0.000227	0	0	30	0	179.536585
321.291642	272.358215	1.1	0.000384	0	0.00004	30	0	172.219512
336.101026	294.627959	3.2	0.000558	0	0.00001	30	0	164.902439
341.528881	280.776739	5.3	0.000522	0	0	30	0	157.585366
344.770412	272.1	9.4	0.000491	0	0	30	0	146.002196
348.011942	272.1	10.6	0.000477	0	0	30	0	134.048061
351.253473	295.083025	13	0.000332	0	0	30	0	122.093925
342.354819	286.224058	13.9	0.000219	0	0	30	0	110.13979
328.449197	271.135669	15.8	0.000131	0	0.00001	30	0	113.774429
314.543574	270.8	14.9	0.000096	0	0	30	0	120.807837
300.637952	277.824637	13.1	0.000077	0	0	30	0	127.841246
295.541835	274.723941	11.2	0.000072	0	0	30	0	134.874655
293.804038	270.1	7.5	0.000074	0	0.00001	30	0	148.857143
292.066241	269.73913	6.2	0.000082	0	0.00003	30	0	164.163265
290.328444	276.507653	3.6	0.000131	0	0.00002	30	0	179.469388
302.446529	271.617061	3.6	0.000314	0	0.00008	30	0	194.77551
317.793666	269.21846	3.5	0.000498	0	0.00005	30	0	189.052375
333.140804	269.5	5	0.000556	0	0.0001	30	0	181.500609
348.487942	293.664264	8.2	0.000458	0	0.00012	30	0	173.948843
347.810799	284.689989	9.7	0.000269	0	0.00007	30	0	166.397077
340.460657	269.138815	12.9	0.000198	0	0.00009	30	0	154.449194
333.110514	268.8	13	0.000215	0	0.00006	30	0	141.50342
325.760371	278.61699	13.1	0.000222	0	0.00011	30	0	128.557645
316.847268	283.0675	13.5	0.000192	0	0.00007	30	0	115.611871
306.383657	268.449375	14.4	0.000163	0	0.00006	30	0	111.467373
295.920047	268	14.5	0.000132	0	0.00007	30	0	110.728638
285.456436	270.95857	14.7	0.000103	0	0.00005	30	0	109.989904
278.384752	270.836595	14.6	0.00009	0	0.00006	30	0	109.25117
273.212759	267.3	14.5	0.00008	0	0.00003	30	0	113.026354
268.040766	267.3	13.6	0.000073	0	0.00004	30	0	119.126891
262.868773	266.002921	11.7	0.000071	0	0.00002	30	0	125.227428
261.134691	265.130784	10.8	0.000074	0	0.00001	30	0	131.327965
262.305709	266.857119	9	0.000074	0	0.00001	30	0	142.654608
263.476726	266	7.7	0.000071	0	0	30	0	158.054265
264.647743	265.919966	4.9	0.000073	0	0	30	0	173.453923
266.28004	265.76049	3.3	0.000084	0	0	30	0	188.853581
268.492319	266	0	0.000104	0	0.00001	30	0	197.358357
270.704599	266	0	0.000116	0	0	30	0	198.119199
272.916878	266.848756	0	0.000133	0	0	30	0	198.880041
274.2	268.553448	0	0.000125	0	0	30	0	199.640883
274.2	265.3	0	0.000114	0	0	30	0	199.088982
274.2	265.3	0	0.000114	0	0	30	0	197.363569
274.2	266.754545	0	0.000114	0	0	30	0	195.638156
274.118096	268.288102	0	0.000113	0	0	30	0	193.912743
273.940431	265.103974	0	0.000113	0	0	30	0	192.016445
273.762766	264.751816	0	0.000115	0	0	30	0	189.928217
273.585102	266.333958	0	0.000116	0	0	30	0	187.83999
273.404479	267.614875	0	0.000116	0	0	30	0	185.751762
273.221137	265.3	0	0.000116	0	0.00002	30	0	184.827864
273.037795	265.3	0	0.000116	0	0	30	0	184.558903
272.854453	267.117111	0	0.000115	0	0.00002	30	0	184.289941

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272.485628	265.585347	0	0.000116	0	0.00002	30	0	183.76359
272.301028	265.3	0	0.000119	0	0.00001	30	0	183.507179
272.116429	267.617299	0	0.000143	0	0.00001	30	0	183.250769
281.19857	265.75586	0	0.00016	0	0.00001	30	0	182.971657
291.186023	265.3	0	0.000226	0	0	30	0	181.683329
301.173476	265.766404	1.2	0.000305	0	0	30	0	180.395001
311.160928	283.9265	3.6	0.000402	0	0	30	0	179.106674
308.578027	267.475541	5.2	0.000452	0	0	30	0	176.466667
304.990583	267.151628	8.4	0.000307	0	0	30	0	165.591962
301.403139	267.3	9.4	0.000205	0	0	30	0	154.717258
297.815695	278.977131	11.4	0.000186	0	0.00002	30	0	143.842553
292.477641	271.504985	11.6	0.000184	0	0	30	0	132.967849
286.970669	268	11.9	0.000197	0	0.00002	30	0	122.451644
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275.956724	269.729869	13	0.000183	0	0.00002	30	0	101.489281
273.536636	269.822727	12.9	0.000165	0	0.00003	30	0	91.008099
272.562533	268.8	12.7	0.000124	0	0.00002	30	0	90.365963
271.58843	268.523651	12.9	0.000133	0	0.00005	30	0	93.684285
270.614326	268.492202	13.3	0.000166	0	0.00002	30	0	97.002607
267.776831	269.467255	13.5	0.000171	0	0.00003	30	0	100.320929
262.854862	269.5	14	0.000128	0	0	30	0	102.829058
257.932893	269.397961	14	0.000123	0	0.00001	30	0	104.507312
253.010924	267.272477	13.9	0.000109	0	0.00002	30	0	106.185567
250.994794	261.194646	14	0.000103	0	0	30	0	107.863822
255.538097	268.889071	14.2	0.000105	0	0.00001	30	0	110.84133
260.081401	269.435519	14.2	0.000126	0	0	30	0	116.542043
264.624704	268.843191	14.2	0.000115	0	0.00001	30	0	122.242755
268.206374	269.136429	14.8	0.000121	0	0	30	0	127.943468
260.877656	268.819253	16	0.000122	0	0.00002	30	0	131.924322
253.548938	269.359526	16.2	0.000135	0	0.00002	30	0	122.405045
246.22022	268.975859	16.7	0.000124	0	0.00003	30	0	112.885769
238.891502	257.330319	16.6	0.000101	0	0.00004	30	0	103.366492
235.668618	265.171681	16.5	0.000081	0	0.00001	30	0	93.847216
232.942854	268.8	16.3	0.000066	0	0.00001	30	0	101.639165
230.217089	268.366571	15.8	0.000058	0	0	30	0	111.122333
227.491325	257.054742	15.2	0.000056	0	0	30	0	120.6055
225.341747	259.13951	13.8	0.000057	0	0	30	0	130.088668
223.472128	268.438644	13	0.00006	0	0	30	0	134.571825
221.602509	268.28787	11.3	0.000064	0	0.00001	30	0	136.83997
219.732891	258.262116	10.7	0.000065	0	0	30	0	139.108115
220.871449	256.661869	9.6	0.000064	0	0	30	0	141.37626
223.949491	268.351525	8.8	0.000061	0	0	30	0	151.122745
227.027533	268.559149	7.1	0.000062	0	0	30	0	163.70584
230.105574	261.6475	6	0.000065	0	0	30	0	176.288936
233.097101	256.302938	3.7	0.000073	0	0	30	0	188.872032
235.995652	268	3.2	0.000084	0	0	30	0	194.635308
238.894203	268	2.2	0.000092	0	0	30	0	193.924408
241.792754	266.467701	1.7	0.000099	0	0.00001	30	0	193.213507
244.183369	257.629195	0.8	0.000107	0	0	30	0	192.502607
245.221349	268	0.5	0.00011	0	0	30	0	191.367929
246.25933	268	0	0.000111	0	0	30	0	189.21069
247.297311	268	0	0.000112	0	0	30	0	187.053452
248.327293	258.808539	0	0.000112	0	0.00001	30	0	184.896213
249.130017	267.500104	0	0.000111	0	0	30	0	182.817496
249.932741	267.44362	0	0.000111	0	0.00001	30	0	181.309201
250.735466	266.838838	0	0.000113	0	0	30	0	179.800905
251.53819	260.683351	0	0.000113	0	0.00001	30	0	178.292609
251.948302	267.131037	0	0.000114	0	0	30	0	177
252.32566	266.763818	0	0.000115	0	0	30	0	177
252.703019	266.248507	0	0.000115	0	0.00001	30	0	177
253.030944	260.527713	0	0.000115	0	0	30	0	177
253.176223	266.7	0	0.000113	0	0.00001	30	0	177.075427

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253.321501	266.7	0	0.000115	0	0	30	0	177.312619
253.46678	266.044739	0	0.000115	0	0	30	0	177.54981
253.613765	260.090724	0	0.000115	0	0.00001	30	0	177.787002
253.779602	265.644664	0	0.000115	0	0.00001	30	0	178.024176
253.945439	266	0	0.000114	0	0	30	0	178.261199
254.111277	265.492278	0	0.000115	0	0	30	0	178.498222
254.277114	261.248258	0	0.000115	0	0.00001	30	0	178.735245
254.444389	263.806373	0	0.000115	0	0	30	0	178.972268
254.611893	265.3	0	0.000115	0	0	30	0	179
254.779397	265.3	0	0.000115	0	0	30	0	179
254.946901	262.250051	0	0.000117	0	0	30	0	179
257.77484	262.475644	0	0.000111	0	0.00003	30	0	179
261.837562	264.320942	0	0.000111	0	0.00001	30	0	188.653008
265.900285	264.210202	1.2	0.000165	0	0.00005	30	0	202.153719
269.963008	265.855149	3.8	0.00029	0	0.00006	30	0	215.654429
271.637176	267.045972	4.5	0.000415	0	0.00006	30	0	229.15514
270.660753	264.6	6	0.000446	0	0.00004	30	0	222.142449
269.68433	264.515294	7.6	0.000275	0	0.00001	30	0	194.033826
268.707907	264.255934	10.9	0.000159	0	0.00005	30	0	165.925202
267.334046	265.69578	10.9	0.000142	0	0.00004	30	0	137.816579
264.912393	263.920733	11	0.000121	0	0.00006	30	0	116.738717
262.490741	263.337885	11.1	0.000116	0	0.00004	30	0	112.463183
260.069088	263.3	11.3	0.000105	0	0.00004	30	0	108.187648
257.478858	260.399693	11.5	0.000117	0	0.00004	30	0	103.912114
252.381372	262.409037	11.9	0.000136	0	0.00005	30	0	100.122596
247.283885	262.02292	11.5	0.00012	0	0.00006	30	0	101.564904
242.186399	262.321212	10.7	0.000101	0	0.00005	30	0	103.007212
237.088912	253.180155	10.6	0.000081	0	0.00007	30	0	104.449519
232.74983	258.441033	10.4	0.00007	0	0.00004	30	0	105.891827
228.593291	261.441126	10.5	0.000073	0	0.00002	30	0	104.901164
224.436753	260.83847	10.7	0.00008	0	0.00001	29	0	103.713234
220.280214	248.829463	10.5	0.000076	0	0	30	0	102.525303
219.824202	251.061263	10.2	0.000068	0	0.00003	30	0	101.337372
221.015245	259.8	9.8	0.000065	0	0	30	0	112.589622
222.206289	259.8	8.9	0.000061	0	0.00001	30	0	128.776244
223.397332	253.177166	7.9	0.000061	0	0	30	0	144.962866
225.732922	247.787733	6	0.000065	0	0	30	0	161.149488
229.240863	258.5	5.1	0.000074	0	0	30	0	171.687381
232.748803	258.5	3.3	0.000085	0	0	30	0	176.905598
236.256743	257.141726	2.8	0.000093	0	0.00001	30	0	182.123814
239.275309	250.049412	1.8	0.000101	0	0	30	0	187.34203
241.003704	257.71939	1.2	0.000108	0	0.00001	30	0	190.849484
242.732099	257.126672	0	0.000113	0	0	30	0	190.346086
244.460494	257.1	0	0.000115	0	0.00001	30	0	189.842688
246.007022	252.019468	0	0.000116	0	0	30	0	189.33929
246.927119	256.5	0	0.000116	0	0	30	0	188.922565
247.847215	256.5	0	0.000117	0	0.00001	30	0	188.685036
248.767312	256.5	0	0.000119	0	0	30	0	188.447506
249.661101	252.798039	0	0.000121	0	0.00001	30	0	188.209976
250.304264	254.898529	0	0.000122	0	0	30	0	188.282513
250.947427	255	0	0.000122	0	0.00001	30	0	190.717974
251.590591	255	0	0.000122	0	0	30	0	193.153434
252.233754	253.688571	0	0.000122	0	0	30	0	195.588894
252.449393	254.134409	0	0.000122	0	0	30	0	198.007141
252.615941	253.837344	0	0.00012	0	0	30	0	198.721257
252.782489	253.6	0	0.00012	0	0	30	0	199.435373
252.949036	253.429796	0	0.000121	0	0	30	0	200.149488
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253.248691	253	0	0.000121	0	0	30	0	200.604594
253.395498	252.688889	0	0.000122	0	0	30	0	200.115836
253.542305	252.440867	0	0.000123	0	0.00003	30	0	199.627077
253.703332	252.082428	0	0.000122	0	0	30	0	199.138319
253.873565	251.6	0	0.000119	0	0.00002	30	0	198.829326

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268.853422	253.179012	0.8	0.000252	0	0.00003	30	0	218.872008
272.284153	252.350784	2.6	0.000301	0	0	30	0	228.115904
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278.823532	246.795882	7.7	0.000279	0	0	30	0	180.275459
282.093222	252.805155	8.6	0.000256	0	0.00003	30	0	150.225376
281.068571	258.743474	10.4	0.000275	0	0.00005	30	0	120.175292
275.354286	246.4	10.9	0.000241	0	0.00001	30	0	102.051465
269.64	246.4	12	0.000172	0	0.00002	30	0	96.09483
263.925714	247.343469	12.1	0.000183	0	0	30	0	90.138194
259.077748	251.969216	12.2	0.000149	0	0.00002	30	0	84.181558
256.479721	245.718824	12.2	0.000121	0	0.00001	30	0	80.146186
253.881694	245.130588	12.2	0.000127	0	0.00003	30	0	80.636743
251.283666	245.1	12.3	0.000133	0	0.00004	30	0	81.127299
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245.433302	245.07326	12.4	0.000153	0	0.00008	30	0	81.487714
242.251591	244.604144	12.3	0.000155	0	0.00004	30	0	79.16968
239.06988	244.5	12.7	0.000152	0	0.00008	30	0	76.851646
235.888169	241.110092	13.5	0.000136	0	0.00004	30	0	74.533611
232.058907	242.921146	13.3	0.000104	0	0.00003	30	0	72.215577
228.139667	243.9	13	0.000087	0	0.00003	30	0	80.364389
224.220428	243.9	12	0.000072	0	0.00001	30	0	89.586427
220.301188	237.209788	10	0.000061	0	0.00002	30	0	98.808465
221.630549	237.438992	8.7	0.000056	0	0	30	0	108.030504
225.568496	243.56	5.9	0.000061	0	0.00001	30	0	123.162162
229.506444	243.699604	4.7	0.000072	0	0	30	0	141.100454
233.444391	241.981237	2.3	0.000086	0	0	30	0	159.038747
236.743597	240.488039	1.8	0.000111	0	0	30	0	176.977039
239.345264	242.5	0.8	0.000132	0	0	30	0	188.435018
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244.548598	242.411494	0	0.000115	0	0	30	0	198.233883
246.279621	243.200481	0	0.000118	0	0	30	0	203.133316
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249.738033	244.164839	0	0.000119	0	0	30	0	198.827242
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253.821124	238.1	0	0.000121	0	0	30	0	195.681342
253.991482	238.1	0	0.000122	0	0	30	0	197.347216
254.16184	238.425335	0	0.000122	0	0	30	0	199.013089
254.331358	245.658939	0	0.000121	0	0	30	0	200.678962
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266.643756	238.835177	0	0.000221	0	0.00004	30	0	196.064333
278.647628	238.598682	0	0.000296	0	0.00003	30	0	174.068117
290.6515	238.8	1.9	0.000353	0	0.00003	30	0	152.071902
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298.306552	248.618493	7	0.000319	0	0.00007	30	0	108.07947
290.796472	239.180822	9.4	0.000185	0	0.00006	30	0	105.216679
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275.77631	252.019612	10.9	0.000179	0	0.00004	30	0	105.720585
269.296744	244.176471	10.7	0.000118	0	0.00001	30	0	105.972537
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256.645581	239.140922	10.5	0.000112	0	0.00001	30	0	103.362009
250.32	240.707724	10.7	0.000127	0	0	30	0	101.966984
247.346667	241.256919	10.5	0.000137	0	0.00002	30	0	100.57196
246.902222	238.8	10.2	0.000116	0	0	30	0	101.04504
246.457778	238.8	10.4	0.000107	0	0.00003	30	0	102.816296
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230.972678	238.401504	11.8	0.000107	0	0.00001	30	0	99.892802
225.088821	234.689282	11.9	0.000091	0	0.00003	30	0	95.553854
223.488925	234.301954	11.7	0.000081	0	0.00001	30	0	91.214906
224.616462	238.1	11.3	0.000075	0	0.00002	30	0	102.75154
225.743999	238.322727	9.9	0.000066	0	0.00001	30	0	120.462012
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232.178547	237.5	3.9	0.00008	0	0	30	0	167.031189
235.189995	237.5	2.6	0.000092	0	0.00001	30	0	176.777778
238.201444	237.945978	0	0.000102	0	0	30	0	186.524366
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241.349463	237.160667	0	0.00011	0	0	30	0	198.656243
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243.78325	238.349847	0	0.000113	0	0.00001	30	0	197.701361
244.808499	239.295	0	0.000114	0	0	30	0	197.22392
245.559104	236.340466	0	0.000115	0	0.00002	30	0	196.3713
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247.73788	241.397178	0	0.000119	0	0.00001	30	0	192.819323
248.228557	236.790282	0	0.000119	0	0.00001	30	0	192.07729
248.719235	236.1	0	0.00012	0	0.00001	30	0	192.328231
249.209912	236.524047	0	0.000119	0	0	30	0	192.579172
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259.835654	234.392034	0	0.000138	0	0.00001	30	0	200.629639
266.466616	234.9	0	0.000181	0	0.00001	30	0	223.003948
273.097577	236.840909	0	0.000276	0	0.00005	30	0	245.378257
278.096557	251.17665	1.7	0.000368	0	0.00002	30	0	267.752566
279.643463	235.5	5.1	0.000463	0	0.00008	30	0	257.487627
281.190369	235.5	6.9	0.000394	0	0.00002	30	0	219.641921
282.737275	239.687298	10.5	0.000258	0	0.00005	30	0	181.796215
281.761683	254.909542	11.5	0.000211	0	0.00001	30	0	143.950509
275.249488	235.5	13.6	0.000157	0	0.00003	30	0	119.03144
268.737293	235.5	14.6	0.000136	0	0.00003	30	0	111.963441
262.225098	236.189598	16.7	0.000153	0	0.00001	30	0	104.895442
255.123595	245.182112	17.5	0.000135	0	0.00004	30	0	97.827443
245.844698	234.9	19.2	0.000097	0	0.00002	30	0	90.341899
236.565801	234.9	18.7	0.000073	0	0.00004	30	0	81.956722
227.286903	234.586185	17.8	0.000069	0	0.00003	30	0	73.571544
222.592554	230.858685	17.1	0.000054	0	0.00002	30	0	65.186367
223.709456	234.9	15.5	0.000045	0	0.00002	30	0	103.292998
224.826359	234.780911	14.8	0.000047	0	0	30	0	169.894608
225.943261	233.345778	13.3	0.000103	0	0.00003	30	0	236.496219
245.042669	232.235976	11.7	0.000375	0	0.00001	30	0	303.097829
289.80643	235.899528	8.3	0.000784	0	0.00011	30	0	372.651663
334.57019	236.821636	10.3	0.000973	0.00004	0.00001	30	0.4	444.91973
379.33395	250.477088	14.3	0.000961	0.00035	0.00001	31	3.5	517.187797
405.602671	304.380807	16.4	0.000943	0.00103	0.00002	30	10.8	589.455864
389.925124	237.5	20.7	0.000736	0.0011	0	30	14.4	557.855319
374.247577	237.416047	22.4	0.000495	0.00074	0	30	12.4	431.141371
358.57003	243.69699	25.7	0.000193	0.00018	0	30	6.2	304.427423
341.713411	284.325196	25.7	0.000091	0.00004	0	30	2.2	177.713475
321.535589	236.9	25.7	0.000055	0	0	30	0	84.323344
301.357767	236.9	24.9	0.000035	0	0	30	0	71.732057
281.179946	236.616735	23.2	0.00003	0	0.00001	30	0	59.140771
263.595793	249.196344	22.6	0.000028	0	0	30	0	46.549484
255.59482	235.5	21.5	0.000027	0	0	30	0	38.701895
247.593847	235.5	20.4	0.000022	0	0	30	0	40.888484
239.592875	234.924543	18.3	0.000022	0	0.00001	30	0	43.075073
232.70265	233.672959	17.8	0.000025	0	0.00001	30	0	45.261662
235.699183	235.457965	16.7	0.000025	0	0.00002	30	0	53.977875
238.695716	234.457131	14.7	0.000032	0	0.00001	30	0	88.01629
241.692249	234.845631	10.6	0.000045	0	0.00001	30	0	122.054705
244.770447	239.414168	7.1	0.000063	0	0.00005	30	0	156.093119
249.063251	235.301556	0	0.000086	0	0.00002	30	0	187.464295
253.356055	234.9	0	0.000098	0	0.00004	30	0	192.510977

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257.648859	234.9	0	0.000119	0	0.00003	30	0	197.557658
262.477778	247.063348	0	0.000149	0	0.00004	30	0	202.60434
283.016498	235.868704	0	0.000214	0	0.00005	30	0	205.758359
303.555219	235.5	0.5	0.000297	0	0.00006	30	0	196.133232
324.093939	236.702247	1.5	0.000559	0	0.00024	30	0	186.508105
343.644	286.868841	3.5	0.000648	0	0.00018	30	0	176.882979
358.434698	238.108798	7.5	0.000585	0	0.00018	30	0	172.588757
373.225395	238.65868	9.5	0.000627	0	0.00009	30	0	192.416142
388.016093	239.673262	13.6	0.000686	0	0.00008	30	0	212.243527
402.806791	301.21144	14.7	0.000769	0	0.00006	30	0	232.070912
407.981162	264.887046	16.8	0.000988	0.00014	0.00003	30	1.5	251.898297
411.743963	244.035648	18.1	0.000954	0.00173	0.00011	30	19.1	260.169919
415.506764	245.512463	20.8	0.000644	0.00185	0	30	28	267.071395
419.269564	293.58701	20.7	0.000419	0.00126	0.00003	30	23.5	273.97287
413.003672	287.180717	20.4	0.000346	0.00063	0.00001	30	13.4	280.874346
401.864996	247.575573	20	0.000376	0.00026	0.00001	30	5.7	260.671879
390.726321	248.532881	19.1	0.000385	0.00009	0.00002	30	2.1	228.405808
379.587646	273.904918	18.7	0.000211	0	0	30	0.1	196.139737
366.790785	279.99646	17.7	0.000192	0	0	30	0	163.873666
353.069266	249	16.9	0.000132	0	0	30	0	154.342105
339.347747	249	15.1	0.000101	0	0	30	0	156.366397
325.626228	269.210733	14.1	0.000078	0	0	30	0	158.390688
317.676381	265.057588	12.2	0.000071	0	0	30	0	160.41498
312.295429	249.275909	11	0.000074	0	0.00001	30	0	164.129095
306.914476	249.6	8.6	0.000073	0	0	30	0	168.530073
301.533524	258.30031	7.8	0.000071	0	0.00001	30	0	172.931051
298.727718	263.860832	6.3	0.000075	0	0	30	0	177.332029
298.580803	249.472262	5.8	0.000082	0	0.00001	30	0	181.266975
298.433888	250.155172	4.6	0.000091	0	0	30	0	184.917498
298.286974	256.301957	4.3	0.000103	0	0	30	0	188.568021
298.062162	267.002926	3.8	0.000112	0	0.00002	30	0	192.218545
297.724324	251	3.2	0.000117	0	0.00001	30	0	194.96878
297.386486	251.084623	2.1	0.000118	0	0.00003	30	0	196.860927
297.048649	254.483401	1.4	0.000119	0	0	30	0	198.753075
296.580105	271.4119	0	0.000121	0	0.00001	30	0	200.645222
295.747168	252.3	0	0.00012	0	0.00001	30	0	201.864471
294.914231	252.3	0	0.000117	0	0	30	0	201.387258
294.081295	252.942532	0	0.000115	0	0	30	0	200.910045
293.240811	271.951333	0	0.000117	0	0	30	0	200.432832
292.286158	255.690118	0	0.000118	0	0	30	0	199.911407
291.331504	253.751736	0	0.000119	0	0	30	0	198.9588
290.37685	254.110588	0	0.000118	0	0.00001	30	0	198.006192
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287.998386	255.484889	0	0.000119	0	0	30	0	195.556217
287.303079	255.8	0	0.000118	0	0	30	0	195.059816
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285.5775	256.565225	0	0.000118	0	0	30	0	193.566525
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284.074629	261.661029	0	0.000123	0	0	30	0	192.063142
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281.829673	259.529167	1.3	0.000126	0	0	30	0	188.635057
281.471592	259.8	1.4	0.000127	0	0	30	0	189.353448
281.113512	266.027245	1.6	0.000126	0	0	30	0	190.071839
285.77679	265.621548	1.6	0.000126	0	0	30	0	190.79023
292.770626	261.2	1.6	0.000135	0	0.00002	30	0	199.55032
299.764462	261.662083	1.6	0.000205	0	0	30	0	211.627042
306.758298	270.525885	1.5	0.000305	0	0.00002	30	0	223.703765

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310.24481	279.827839	2.4	0.000319	0	0.00001	30	0	235.780488
309.696015	264.980435	4.1	0.000288	0	0.00003	30	0	229.154617
309.14722	266.167032	4.8	0.000252	0	0.00006	30	0	202.669291
308.598425	269.953061	6.2	0.000264	0	0.00006	30	0	176.183966
309.190982	285.35368	6.3	0.000297	0	0.00014	30	0	149.69864
312.807703	268.996875	6.6	0.000353	0	0.00009	30	0	129.027318
316.424425	270.559375	7	0.000358	0	0.00013	30	0	122.317517
320.041146	271.921101	7.7	0.000298	0	0.00007	30	0	115.607716
323.568436	295.03898	8.4	0.000189	0	0.00004	30	0	108.897915
321.595714	273.743757	9.8	0.000209	0	0.00004	30	0	105.395161
319.622991	272.26811	9.2	0.000201	0	0.00003	30	0	125.189883
317.650268	273.143991	8.1	0.000209	0	0.00004	30	0	144.984604
315.677545	290.328564	7.7	0.00029	0	0.00001	30	0	164.779326
326.315481	277.505332	6.9	0.000374	0	0.00007	30	0	183.385899
338.200624	275.911675	8.2	0.000472	0	0.00007	30	0	162.210015
350.085768	276.823491	10.8	0.000517	0	0.0001	30	0	141.034131
361.970911	311.157347	12	0.00049	0	0.00011	30	0	119.858246
366.597258	285.28406	14.3	0.00044	0	0.00003	30	0	99.108777
370.461631	278.848193	15.1	0.000427	0	0.00005	30	0	106.36059
374.326003	279	16.8	0.000444	0	0.00002	30	0	113.612403
378.190376	317.698828	17.6	0.000448	0	0.00004	30	0	120.864216
370.944261	287.394614	19.4	0.000434	0	0	30	0	127.913086
362.380796	279.227638	20	0.000346	0	0.00003	30	0	122.480988
353.81733	279	21.3	0.000292	0	0.00003	30	0	117.048889
345.253864	305.089253	21.5	0.000281	0	0	30	0	111.61679
354.473043	284.747478	21.9	0.000309	0	0.00002	30	0	106.184691
364.687449	278.76744	22.2	0.000408	0	0.00001	30	0	105.535689
374.901855	278.560021	22.9	0.000583	0	0.00007	30	0	105.055035
385.116261	314.6	23.7	0.000629	0	0.00001	30	0	104.574381
372.864455	296.571172	25.4	0.00049	0	0.00002	30	0	104.093727
354.854976	277.2775	26.5	0.000502	0	0.00004	30	0	112.22209
336.845498	276.694008	28.7	0.000264	0	0	30	0	122.435867
318.836019	283.819773	29.3	0.00019	0	0.00008	30	0	132.649644
299.597714	285.527255	30.6	0.000125	0	0.00002	30	0	142.86342
279.454857	275.31162	31.1	0.000077	0	0.00006	30	0	127.591667
259.312	274.655436	32.1	0.000043	0	0.00001	30	0	94.972619
239.169143	268.592415	32.2	0.000035	0	0.00001	30	0	62.353571
223.480192	255.93549	32.3	0.000024	0	0.00001	30	0	29.734524
215.18283	273.5	32.7	0.000025	0	0	30	0	9.130169
206.885468	273.474286	33.5	0.000024	0	0.00003	30	0	6.928065
198.588106	270.491429	33	0.000015	0	0	30	0	4.72596
191.676648	235.640816	31.9	0.000009	0	0.00001	30	0	2.523856
190.106979	272.1	31.4	0.000008	0	0	30	0	1.072744
188.53731	272.1	30.3	0.000007	0	0	30	0	1.308928
186.967641	272.1	28.2	0.000007	0	0	30	0	1.545111
185.602573	230.962012	24.2	0.000006	0	0	30	0	1.781294
187.180626	266.936058	22.5	0.000006	0	0	30	0	3.165354
188.758679	270.8	19.2	0.000006	0	0	30	0	18.913386
190.336732	270.8	18.1	0.000007	0	0	30	0	34.661417
191.914785	239.232508	16	0.000008	0	0	30	0	50.409449
197.856897	269.030774	14.4	0.00001	0	0	30	0	67.049117
204.048119	269.600256	11.2	0.000022	0	0	30	0	89.305449
210.239342	269.5	9.5	0.00004	0	0	30	0	111.561781
216.416671	242.960592	6.1	0.000053	0	0.00002	30	0	133.818112
222.490152	270.069279	5.1	0.000065	0	0	30	0	152.885242
228.563634	269.603801	3.1	0.00009	0	0.00001	30	0	161.153846
234.637116	270.023232	2.1	0.000113	0	0	30	0	169.422451
240.275871	254.818989	0	0.000111	0	0.00001	30	0	177.691055
242.633744	270.057341	0	0.000107	0	0.00001	30	0	184
244.991616	269.503324	0	0.000108	0	0	30	0	184
247.349489	268.361786	0	0.000139	0	0.00001	30	0	184
249.376242	261.25674	0	0.000148	0	0	30	0	184
250.630383	270.1	0	0.000139	0	0.00001	30	0	184.094632

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251.884524	270.1	0	0.000124	0	0.00001	30	0	184.326006
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257.749655	269.5	0	0.000144	0	0.00001	30	0	171
258.43931	265.395625	0	0.000146	0	0	30	0	171
258.5	269.218452	0	0.000132	0	0.00001	30	0	171.232082
258.5	269.5	0	0.000122	0	0	30	0	173.18235
258.5	269.5	0	0.000115	0	0.00001	30	0	175.132618
258.5	265.250255	0	0.000114	0	0.00001	30	0	177.082886
270.837304	268.595161	0	0.000118	0	0.00001	30	0	179.653846
284.439623	269.5	0	0.000174	0	0.00002	30	0	218.115385
298.041942	269.5	0	0.000301	0	0	30	0	256.576923
311.644262	283.70155	0	0.00073	0	0.00001	30	0	295.038462
341.526248	277.143013	2.2	0.001117	0.00032	0	30	2.6	333.5
376.32605	266.970858	6.7	0.001375	0.00275	0.00002	30	18.2	499.894723
411.125853	265.093478	9.3	0.001233	0.00392	0	30	29.6	702.583714
445.925655	316.868792	14.7	0.001169	0.00605	0.00001	30	50	905.272704
449.776536	295.739417	17.5	0.001089	0.00957	0.00003	30	85.7	1107.961695
441.710796	261.054153	23.2	0.000796	0.00723	0	30	84	945.031613
433.645057	259.708419	24.5	0.000453	0.0032	0.00001	30	58	710.899728
425.579317	311.289495	27.2	0.000412	0.00158	0	30	30.1	476.767844
415.118307	288.654269	27.5	0.00045	0.00089	0.00003	30	16.5	242.635959
403.929658	258.159225	28	0.000405	0.00042	0.00001	30	9.4	175.590698
392.74101	257.568039	27.9	0.000331	0.00021	0.00001	30	5.9	153.497674
381.552361	276.425876	27.8	0.000266	0.00011	0.00002	30	3.5	131.404651
369.608615	295.930194	27.8	0.00022	0.00004	0.00001	30	1.2	109.311628
356.806509	256.316033	27.8	0.000191	0	0.00006	30	0	95.089
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331.202297	260.382896	27.2	0.000179	0	0.00005	30	0	83.158673
318.950024	283.077767	26.6	0.000168	0	0.00004	30	0	77.19351
308.050452	254.918892	25.4	0.000142	0	0.00005	30	0	73
297.150881	254.33115	24.7	0.000121	0	0.00004	30	0	73
286.251309	254.3	23.2	0.000109	0	0.00003	30	0	73
275.889481	264.817839	22	0.000108	0	0.00003	30	0	73
271.170877	254.866898	19.7	0.000088	0	0.00001	30	0	74.736683
266.452273	253.743289	18.4	0.000055	0	0.00002	30	0	90.817085
261.733669	253.6	15.8	0.000043	0	0.00001	30	0	106.897487
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258.258499	253.068481	12.1	0.000046	0	0.00001	30	0	138.212408
259.396513	253	10.9	0.000055	0	0	30	0	147.684348
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261.672542	256.358367	7.5	0.000069	0	0	30	0	166.628226
265.022153	254.08055	5.6	0.000078	0	0.00001	30	0	176.100166
268.650704	253	5	0.000092	0	0	30	0	185.854742
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275.907806	259.474845	2.6	0.000111	0	0.00001	30	0	205.423231
277.717107	256.541463	0	0.000118	0	0	30	0	215.207476
278.743011	253	0	0.000121	0	0	30	0	216.68925
279.768915	253	0	0.00012	0	0	30	0	217.43925
280.794819	262.61602	0	0.00012	0	0	30	0	218.18925
281.141378	257.188804	0	0.000119	0	0	30	0	218.93925
281.318101	253.6	0	0.000119	0	0.00001	30	0	215.831815
281.494825	253.98059	0	0.000119	0	0.00002	30	0	212.384388
281.671548	263.505169	0	0.000121	0	0.00002	30	0	208.936961
291.705075	258.405935	0	0.000122	0	0.00003	30	0	205.489535
303.630075	254.3	0	0.000136	0	0.00003	30	0	218.335673
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327.480075	281.2232	0.5	0.000621	0	0.00013	30	0	249.421158
360.627171	269.763135	1.6	0.001097	0	0.00019	30	0	264.963901
397.846683	263.044907	4	0.00155	0.00431	0.00032	30	25.7	376.312165
435.066195	268.087745	8.7	0.00171	0.00837	0.00031	30	46	502.10292
472.285707	331.795455	11.6	0.001479	0.00877	0.00037	30	56.2	627.893674
480.882215	317.828024	17.5	0.001459	0.01548	0.00024	30	102.9	753.684428
479.369651	280.435593	20.2	0.001515	0.02282	0.0003	30	146.1	686.440732
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476.344523	328.804499	27.6	0.000569	0.00697	0.00001	30	89.1	429.367561
464.066924	332.866471	31.2	0.000352	0.00301	0.00004	30	51.8	300.830976
445.733992	286.792599	31.3	0.000423	0.00204	0.00002	30	28.5	264.481401
427.40106	287.644995	31.6	0.000504	0.00146	0.00008	30	15.8	275.834058
409.068128	308.835155	32	0.000384	0.00095	0	30	13.5	287.186715
387.687791	325.857921	32.8	0.000418	0.00102	0	30	13.1	298.539372
363.122947	290.363757	32.6	0.000339	0.00077	0	30	9.8	271.554389
338.558102	291.3	32.1	0.000099	0.00024	0.00001	30	5.9	209.03876
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295.353199	292.047992	23.9	0.000117	0	0.00001	30	0	118.489796
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338.244194	293.2245	23.4	0.000392	0	0.00003	30	0	165.075865
359.689692	294.453981	23.6	0.000474	0	0.00003	30	0	191.628734
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391.406568	303.261057	24	0.000561	0	0	30	0	244.734471
401.320467	297.084041	24.3	0.000623	0	0	30	0	264.206349
411.234367	298.011236	24.9	0.000594	0	0	30	0	283.606702
421.148266	346.796527	26	0.00057	0	0.00003	30	0	303.007055
419.516512	309.411726	26.3	0.000505	0	0.00003	30	0	321.216724
416.658671	300.670313	26.8	0.000426	0	0.00001	30	0	283.917845
413.80083	300.9	26.5	0.000411	0	0.00004	30	0	246.618966
410.94299	338.008163	25.9	0.000445	0	0.00002	30	0	209.320088
427.164749	316.973913	25.6	0.000563	0	0.00006	30	0	172.021209
447.86197	303.2	24.9	0.000787	0	0.00004	30	0	346.118809
468.559191	304.29337	24.8	0.001017	0.00039	0.00008	30	4.3	538.848744
489.256412	360.334675	24.5	0.001073	0.00248	0.00004	30	25	731.578678
496.49175	341.573118	25.1	0.000801	0.0033	0.00001	30	41.8	924.308612
498.175012	307.5	26.5	0.000673	0.00266	0.00003	30	38	829.752381
499.858274	307.5	27.1	0.000917	0.00225	0.00001	30	25.9	672.133333
501.541536	342.428571	28.3	0.000832	0.00159	0.00006	30	19.8	514.514286
489.532727	366.145055	29.2	0.000658	0.00101	0	30	14.7	356.895238
463.272987	309.289992	31	0.000477	0.00051	0	30	9.5	266.078481
437.013247	309.607071	31.4	0.000302	0.00017	0	30	4.5	216.205063
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315.894931	311.688673	31.9	0.000078	0	0.00001	30	0	71.050891
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235.99891	273.02668	24.9	0.000017	0	0.00003	30	0	16.935484
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307.783846	308.556585	20.5	0.000277	0	0.00006	30	0	112.836795
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395.321514	331.346727	15	0.000668	0	0.00014	30	0	138.013168
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439.737121	349.459274	35.2	0.000284	0	0.00002	30	0	129.984802
420.606264	316.3	35.3	0.00023	0	0.00001	30	0	119.692991
401.475407	316.3	35	0.000201	0	0.00003	30	0	111.795656
382.34455	325.825528	34.5	0.000185	0	0.00001	30	0	103.898322
364.822831	332.570128	34.4	0.00014	0	0.00004	30	0	96.000987
348.774616	316.012868	34.1	0.000103	0	0.00001	30	0	85.934473
332.7264	315.634369	33.8	0.000079	0	0.00003	30	0	74.538462
316.678185	315.431102	33.3	0.000071	0	0.00001	30	0	63.14245
302.708238	311.354516	33.2	0.000057	0	0.00001	30	0	51.746439
293.801839	315.5	32.9	0.000044	0	0.00001	30	0	42.670236
284.895439	315.5	32.7	0.000033	0	0	30	0	36.960029
275.98904	315.5	32.3	0.000025	0	0.00002	30	0	31.249822
267.446567	292.166237	32	0.00002	0	0	30	0	25.539615
262.073433	314.8	31.4	0.000016	0	0.00001	30	0	20.64923
256.700299	314.8	30.9	0.000014	0	0	30	0	18.938157
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246.071091	282.037955	29.4	0.000013	0	0	30	0	15.516011
242.108331	312.258979	28.1	0.000012	0	0	30	0	13.891454
238.145572	314.659526	27.4	0.000011	0	0	30	0	12.9393
234.182812	314.8	26	0.00001	0	0	30	0	11.987146
230.220053	282.202062	24.2	0.000009	0	0	30	0	11.034992
232.093397	304.55	20.7	0.000009	0	0	30	0	10.082837
234.658717	314.8	18.6	0.000011	0	0	30	0	36.271819
237.224038	315.172968	14.5	0.000015	0	0	30	0	65.047087
239.789359	295.315469	13.7	0.000051	0	0	30	0	93.822354
269.13537	300.512769	12	0.000211	0	0	30	0	122.597622
310.853747	319.82285	12	0.000564	0	0	30	0	197.277913
352.572124	322.945005	12	0.000767	0	0.00003	30	0	290.890785
394.290501	342.202062	13.4	0.000907	0	0	30	0	384.503657
420.963495	356.121858	16.2	0.001039	0	0.00001	30	0	478.116529
432.225631	333.731219	17.9	0.001276	0.00033	0.00001	30	2.7	474.436981
443.487767	336.70979	21.5	0.001137	0.00067	0	30	5.8	407.501305
454.749903	354.0768	23.2	0.000782	0.00052	0.00003	30	5.6	340.56563
452.258525	386.551081	26.8	0.000348	0.00015	0	30	2.4	273.629955
426.746558	340.4	27.1	0.000196	0	0.00004	30	0	226.332236
401.234592	340.428942	27.8	0.000254	0	0.00001	30	0	209.365915
375.722625	341.132437	27.5	0.00031	0	0.00007	30	0	192.399595
354.627291	347.839282	26.9	0.000178	0	0.00005	30	0	175.433274
342.874303	341.1	26.3	0.000081	0	0	30	0	166.219911
331.121315	341.02933	24.9	0.000063	0	0.00002	30	0	166.715206
319.368327	338.082062	24	0.00009	0	0	30	0	167.2105
314.396926	328.610042	22.1	0.000101	0	0.00003	30	0	167.705795
324.878649	340.4	21.9	0.000167	0	0.00001	30	0	171.65321
335.360373	340.4	21.6	0.000258	0	0.00001	30	0	180.651265
345.842096	340.579664	21.6	0.000333	0	0.00002	30	0	189.649319
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430.914267	340.4	22.4	0.000902	0	0.00002	30	0	611.446572
466.063424	346.848799	23.3	0.001298	0	0.00014	30	0	925.547477
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457.29037	338.909441	30	0.00051	0.00083	0	30	10.6	988.185787
443.185311	341.936901	31.2	0.000297	0.00026	0	30	4.7	686.706282
426.585048	381.20709	33.4	0.000362	0.00005	0.00004	30	0.8	385.226777
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374.266675	336.737302	33.9	0.000178	0	0.00004	30	0	146.462549
348.107488	336.051521	33.8	0.00009	0	0	30	0	123.845817
325.240271	331.393382	33.5	0.000061	0	0	30	0	101.229086
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310.760633	334.5	32.1	0.000041	0	0	30	0	84.989053
303.520814	334.5	31.7	0.000041	0	0.00002	30	0	86.654926
296.280995	317.592173	30.7	0.000059	0	0.00001	30	0	88.3208
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336.461702	328.7	17.9	0.000399	0	0.00016	30	0	238.80744
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401.321843	331.337059	18.6	0.000754	0	0.00009	30	0	389.658554
420.824525	331.6	20.9	0.00073	0	0.00002	30	0	328.57528
440.327206	364.773227	25.8	0.000742	0	0.00014	30	0	267.492007
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428.534898	330.9	31.1	0.000457	0	0.00004	30	0	152.839138
422.038928	345.777477	33.5	0.000392	0	0.00007	30	0	131.754087
409.954107	359.149377	34.2	0.000329	0	0.00006	30	0	110.669036
391.958444	330.2	35.8	0.000302	0	0.00006	30	0	96.895335
373.96278	329.998727	36.3	0.000272	0	0.0001	30	0	90.610587
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338.111246	328.57803	37.4	0.000111	0	0.00001	30	0	78.671852
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341.116825	327.11339	36.4	0.00029	0	0.00001	30	0	130.234901
353.785829	326.520169	36.5	0.000352	0	0.00001	30	0	140.772038
366.454832	326.5	36.6	0.000442	0	0.00008	30	0	151.309175
383.361088	348.491558	36.6	0.000605	0	0.00004	30	0	161.846312
415.738239	325.8	36.6	0.000924	0	0.00014	30	0	297.23287
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506.853171	408.050215	38.3	0.001543	0.00061	0.00006	30	4.2	1229.200683
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516.365366	328.662486	42.8	0.000638	0.00154	0.00002	30	21.4	780.65211
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479.057288	329.431333	44.3	0.000748	0.0004	0.00002	30	4.7	258.670298
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278.307857	329.05847	11.2	0.000024	0	0.00001	30	0	93.558716
282.272829	329.4	8.1	0.000037	0	0.00001	30	0	118.358133
286.237801	319.611765	7.1	0.000051	0	0	30	0	143.157549
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303.78203	325.472629	2.1	0.000123	0	0	30	0	188.486876
307.040828	321.780087	1	0.00012	0	0	30	0	193.452589
309.013215	329.620526	0.7	0.000138	0	0	30	0	198.342532
310.985602	330.30547	0	0.000149	0	0	30	0	203.152658
312.957988	329.212372	0.5	0.000148	0	0.00002	30	0	207.962785
321.284479	325.20555	1.4	0.00025	0	0	30	0	212.772911
338.349751	331.602286	2.2	0.00045	0	0.00003	30	0	204.728087
355.415022	333.39569	3.8	0.00062	0	0	30	0	185.599758
372.480294	341.133134	5.8	0.000536	0	0.00003	30	0	166.471429
387.210095	353.603733	10.2	0.000489	0	0.00004	30	0	147.343099
398.537109	337.647119	11.6	0.000549	0	0.00003	30	0	139.971204
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421.191137	341.02564	15.8	0.000645	0	0.00002	30	0	159.485721
428.104792	382.076249	18.5	0.000764	0	0.0001	30	0	169.24298
415.830954	340.4	20.1	0.000726	0	0.00006	30	0	177
403.557115	340.4	23.2	0.000437	0	0.00007	30	0	177
391.283276	340.4	24.3	0.00021	0	0.00005	30	0	177
381.264175	359.852809	26.6	0.000201	0	0.00004	30	0	177
392.235049	340.378417	26.9	0.000332	0	0.00007	30	0	175.50142
403.205922	339.795083	27.4	0.000523	0	0	30	0	168.399148
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291.184627	333.8	22.2	0.000013	0	0	30	0	38.265829
279.393582	314.261429	16.5	0.000013	0	0	30	0	45.699821
279.990993	327.603171	13.8	0.000018	0	0	30	0	53.575122
283.743808	331.859528	8.5	0.000027	0	0	30	0	85.526341
287.496622	331.157419	6.6	0.00004	0	0	30	0	117.477561
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293.459144	324.44129	1.9	0.000076	0	0	30	0	181.38
295.283074	328.973616	0	0.00009	0	0	30	0	182.692928
297.107004	328.276806	0	0.0001	0	0	30	0	181.269103
298.930934	320.03065	0	0.000107	0	0	30	0	179.845278
299.843183	321.607451	0	0.00011	0	0	30	0	178.421452
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298.95687	322.1	0	0.000118	0	0.00001	30	0	179.125146
298.491862	322.1	0	0.000118	0	0.00001	30	0	179.824283
298.026854	321.583217	0	0.000117	0	0.00001	30	0	180.523421
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288.864012	318.5	0	0.000117	0	0	30	0	179.816327
288.162785	318.5	0	0.000117	0	0.00001	30	0	179.564374
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285.820273	317.8	0	0.000116	0	0	30	0	177.166667
285.295063	307.329422	0	0.000117	0	0	30	0	176.125
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282.333434	317.1	0	0.000114	0	0.00001	30	0	172.31612
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281.446517	317.1	0	0.000116	0	0.00001	30	0	168.138609
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282.496794	301.425464	0	0.000128	0	0.00002	30	0	169.577458
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307.680788	314.442382	0	0.000314	0	0.00001	30	0	190.374878
324.286694	314.595548	1.7	0.000484	0	0	30	0	195.984634
345.011579	315.9125	5.1	0.000743	0	0.00006	30	0	187.806735
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386.461348	332.834722	9.7	0.000691	0	0.00004	30	0	165.356759
401.864219	333.266997	11.3	0.000945	0	0.00005	30	0	154.131772
413.53806	312.374016	14.7	0.001029	0	0.00002	30	0	166.982759
425.211902	310.744843	16.1	0.00083	0	0.00006	30	0	189.150246
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446.945938	341.068462	20.3	0.000818	0	0.00017	30	0	233.485222
456.094511	307.608651	22.8	0.000957	0	0.00012	30	0	223.899502
465.243084	306.330882	23.8	0.000951	0	0.00012	30	0	198.028856
474.391657	334.574972	25.9	0.000878	0	0.00011	30	0	172.158209
470.470536	353.190193	27	0.000506	0	0.00001	30	0	146.287562
455.415972	304.029322	29.2	0.000451	0	0.00009	30	0	128.869933
440.361409	303.2	29.7	0.000408	0	0.00002	30	0	116.186521
425.306845	324.684168	30.7	0.00034	0	0.00007	30	0	103.503109
409.961726	336.003226	30.9	0.000365	0	0.00011	30	0	90.819697
394.335202	302.173759	31.4	0.000405	0	0.0002	30	0	87.665039
378.708679	301.6	31.6	0.000445	0	0.00023	30	0	90.350586
363.082155	308.595876	31.9	0.000329	0	0.0002	30	0	93.036133
344.179632	319.833477	31.9	0.000151	0	0.00019	30	0	95.72168
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229.84472	298.755774	28.5	0.00001	0	0.00006	30	0	4.390575
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307.598539	306.01783	28.9	0.000377	0	0	30	0	91.141871
332.144118	319.286002	29.7	0.000382	0	0.00001	30	0	98.521066
337.585294	307.972086	31.2	0.000375	0	0	30	0	104.387089
343.026471	308.7	31.6	0.000361	0	0.00004	30	0	99.363225
348.467647	309.621677	32.5	0.000391	0	0.00002	30	0	94.339362
353.895507	329.926304	32.8	0.00038	0	0.00003	30	0	89.315499
358.67086	312.325898	33.3	0.000357	0	0.00004	30	0	87.62095
363.446213	312.480964	33.5	0.000361	0	0.00002	30	0	106.209244
368.221566	313.283741	33.9	0.000411	0	0.00003	30	0	124.797538
371.01388	342.975248	34.1	0.000408	0	0.00001	30	0	143.385833
359.924919	315.5	34.6	0.000358	0	0.00002	30	0	155.95586
348.835958	314.851852	34.7	0.000299	0	0.00001	30	0	136.929985
337.746997	315.419827	35	0.000238	0	0.00003	30	0	117.90411
329.486441	321.637303	35	0.000201	0	0.00005	30	0	98.878234
343.65109	315.537224	35	0.000234	0	0.00002	30	0	111.903586
357.815738	316.168139	34.8	0.000278	0	0.00007	30	0	239.901686
371.980387	316.3	34.5	0.000506	0	0.00002	30	0	367.899786
386.145036	346.787	34.8	0.000835	0	0.0001	30	0	495.897886
419.06304	322.842079	35.4	0.001129	0	0.00016	30	0	622.441299
452.324791	316.735726	36.2	0.00166	0	0.00021	30	0	542.6268
485.586543	315.773663	37.9	0.001922	0.00094	0.00021	30	5.2	462.812302
518.848294	385.472525	39.6	0.00103	0.0014	0.00003	30	10.5	382.997803
523.655435	344.099247	42.9	0.00022	0.00045	0.00005	30	9.3	303.183305
520.944227	314.367527	43.8	0.000306	0.00017	0.00002	30	3.1	346.221698
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515.521811	367.340615	47.2	0.001292	0	0.00008	30	0	456.599057
493.326214	363.562248	50.3	0.000717	0.00009	0.00001	30	1	511.787736
461.093204	316.3	50.4	0.000372	0.00007	0.00002	30	1.1	465.108563
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396.627184	327.352611	50.4	0.000098	0	0.00003	30	0	271.402781
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433.043902	316.570034	49.9	0.00049	0	0.00001	30	0	290.332573
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547.507605	333.561565	54.8	0.001065	0.00346	0.00002	30	32.6	1016.406755
560.198963	374.043922	55.9	0.001495	0.00276	0	30	19	891.195657
567.707221	415.805392	58.2	0.001433	0.0022	0.00003	30	15.4	765.98456
569.417435	343.222185	59.1	0.001292	0.00166	0	30	12.8	705.822631
571.127648	347.29264	60.8	0.001318	0.00112	0.00001	30	8.6	715.84889
572.837862	363.529328	61.6	0.001749	0.00118	0.00004	30	6.8	725.875149
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557.289401	358.56678	64	0.000785	0.00174	0.00009	30	19.4	744.390476
543.968799	359.922712	65.5	0.000532	0.00067	0.00001	30	10.7	749.152381
530.648198	361.479216	65.9	0.000554	0.00026	0.00006	30	4.1	753.914286
518.694358	436.86732	66.6	0.001222	0.0001	0.00026	30	0.8	758.67619
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540.303001	438.626082	68.6	0.001097	0.00003	0.00009	30	0.3	528.020167
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500.175706	433.50781	70.9	0.000568	0	0.00001	30	0	248.847458
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458.288229	386.996174	70.8	0.000516	0	0.0001	30	0	75.014102
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366.061971	388.7	70.4	0.00027	0	0.00004	30	0	83.131023
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355.028641	377.245367	70.4	0.000277	0	0.00004	30	0	90.25184
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346.676923	387.2	70.2	0.000288	0	0.00012	30	0	90.829846
347.576024	387.2	70.2	0.000311	0	0.00011	30	0	88.089437
348.475125	383.345918	70.1	0.000328	0	0.00018	30	0	85.349028
346.853818	371.760753	70.1	0.000333	0	0.00016	30	0	82.60862
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332.124754	386.382209	70.2	0.000318	0	0.00021	30	0	83.731094
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318.987491	384.9	70.3	0.000214	0	0.00018	30	0	88.733333
318.816801	384.9	70.3	0.000235	0	0.00019	30	0	87.760097
318.646111	384.247327	70.2	0.00027	0	0.00021	30	0	86.786861
319.94745	351.927566	70.1	0.000306	0	0.00027	30	0	85.813625
329.999187	383.305865	70	0.000346	0	0.00016	30	0	84.750949
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466.017694	397.541223	69.7	0.000848	0	0	30	0	153.304433
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457.273127	361.008105	69.9	0.000633	0	0.00005	30	0	151.521873
446.392804	385.298392	70.3	0.000486	0	0	30	0	148.452034
424.779667	348.003098	70.5	0.000399	0	0.00003	30	0	139.696572
403.16653	347	70.8	0.000367	0	0.00003	30	0	125.838074
381.553393	348.363163	70.9	0.000262	0	0.00007	30	0	111.979577
360.040713	354.334945	71.2	0.000164	0	0.00004	30	0	98.12108
338.780057	346.049664	71.2	0.000116	0	0.00001	30	0	86.713444
317.519401	345.453767	71.2	0.000085	0	0.00004	30	0	78.774904
296.258745	341.182647	71.1	0.000067	0	0.00002	30	0	70.836364
281.333267	323.414614	70.8	0.000059	0	0.00007	30	0	62.897823
275.374975	343.800678	70.6	0.000059	0	0.00005	30	0	63.341945
269.416683	343.3	70.3	0.000067	0	0.00004	30	0	71.872289
263.458391	336.740654	70.3	0.000081	0	0.00005	30	0	80.402632
262.037681	312.199411	70.3	0.000093	0	0.00004	31	0	88.932976
267.834783	342.5	70.3	0.000095	0	0.00006	31	0	94.902
273.631884	342.5	70.3	0.000109	0	0.00003	31	0	97.123673
279.428986	342.334741	70.2	0.000165	0	0.00008	31	0	99.345347
288.950293	316.975976	70.1	0.000247	0	0.00006	31	0	101.56702
309.886441	343.169018	69.9	0.000334	0	0.00023	31	0	101.641235
330.82259	342.503448	69.6	0.000434	0	0.00013	31	0	97.813728
351.758738	344.283428	69.6	0.000528	0	0.00005	31	0	93.986221
371.16553	352.283696	69.5	0.000624	0	0.0001	31	0	90.158714
387.246576	343.463274	69.5	0.000704	0	0	31	0	91.912821
403.327622	344.086292	69.4	0.000746	0	0	31	0	100.887179
419.408669	354.204348	69.4	0.000778	0	0	31	0	109.861538
429.0496	373.585479	69.4	0.000772	0	0	31	0	118.835897
429.6496	345.004574	69.5	0.000691	0	0.00004	31	0	125.263289
430.2496	345.43315	69.7	0.000611	0	0	31	0	129.485842
430.8496	353.44	73.4	0.00058	0	0.00006	31	0	133.708395
431.529921	374.666111	80.9	0.000581	0	0.00001	31	0	137.930949
432.322999	344.575333	77.4	0.000606	0	0.00004	31	0	135.410845
433.116078	344	70.3	0.0006	0	0.00002	31	0	126.412503
433.909156	349.272727	70.2	0.000599	0	0.00001	31	0	117.414161
435.001679	382.321569	70.1	0.000604	0	0.00004	31	0	108.415818
436.96905	342.435563	70.1	0.000612	0	0.00002	31	0	101.931356
438.93642	341.884815	70.1	0.000639	0	0.00004	31	0	101.692179
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444.0193	342.471526	70.2	0.00066	0	0	31	0	101.278282
445.233008	339.070525	70.3	0.000651	0	0	31	0	103.90358
446.446716	338.377633	70.2	0.000648	0	0	31	0	106.528878
447.660424	379.704235	70.1	0.000653	0	0	31	0	109.154177
447.102817	350.203264	70.1	0.000629	0	0.0001	31	0	111.779475
446.315039	336.25604	70.1	0.000602	0	0.00001	31	0	111.776476
445.527262	335.551491	70.1	0.000598	0	0.00008	31	0	111.532455
444.739484	366.285321	70.1	0.000582	0	0.00004	31	0	111.288433
444.926575	355.612161	70.2	0.000574	0	0.00004	31	0	111.044412
445.53947	335.2	70.3	0.00058	0	0.00007	31	0	108.599413
446.152366	335.2	70.3	0.000606	0	0.00003	31	0	105.66471
446.765261	362.055052	70.2	0.000639	0	0.00007	31	0	102.730007
448.120495	361.254575	70.1	0.000648	0	0	31	0	99.795304
449.936533	335.551901	70	0.000656	0	0.00004	31	0	104.058987
451.752571	336	69.9	0.00066	0	0.00002	31	0	110.998612
453.568608	350.437653	69.6	0.00067	0	0.00002	31	0	117.938237
443.114146	380.890693	69.7	0.000552	0	0	31	0	124.877863
412.382439	337.5	70	0.000293	0	0	31	0	118.13382
381.650732	337.469324	69.3	0.000117	0	0.00001	31	0	91.36983

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351.485711	344.097554	65.8	0.000747	0	0.00011	31	0	354.572723
362.98845	339.946634	64.9	0.000814	0	0.0001	31	0	438.292253
374.491188	341.371176	65.2	0.000416	0	0	31	0	362.726103
385.993927	341.8	65.7	0.000316	0	0.00004	31	0	287.159952
397.496666	363.53398	65.6	0.000315	0	0.00002	31	0	211.593802
398.086651	349.750638	65.5	0.000386	0	0.00004	31	0	136.027652
397.160285	342.99159	65.4	0.000433	0	0.00006	31	0	119.543128
396.233919	343.668891	65.2	0.000403	0	0.00001	31	0	109.116588
395.307553	357.437436	65.1	0.000372	0	0.00006	31	0	98.690047
401.163513	356.480788	64.8	0.000386	0	0.00003	31	0	88.263507
410.390329	345.366537	64.6	0.000536	0	0.00016	31	0	95.270498
419.617146	346.388755	64.3	0.000672	0	0.00007	31	0	110.220276
428.843962	357.779639	64.4	0.000714	0	0.00006	31	0	125.170054
436.394594	379.407738	64.6	0.000724	0	0.00011	31	0	140.119832
441.290186	347.968939	64.7	0.000719	0	0.00011	31	0	149.37785
446.185777	349.053369	65	0.000728	0	0.00013	31	0	150.308516
451.081369	349.1	65.2	0.000735	0	0.00009	31	0	151.239181
454.782105	400.426061	65.5	0.00073	0	0.00016	31	0	152.169846
444.160096	352.523564	65.7	0.000675	0	0.00011	31	0	151.840372
433.538086	350.437311	66.1	0.000508	0	0.0001	31	0	141.103078
422.916077	350.6	66.2	0.000384	0	0.0001	31	0	130.365784
412.294067	373.965361	66.5	0.000335	0	0.00009	31	0	119.62849
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382.924131	360.040396	65.9	0.000296	0	0.00003	31	0	108.933063
363.075264	349.492199	66.9	0.000205	0	0.00003	31	0	97.572674
343.226398	349.355752	65.8	0.000176	0	0.00002	31	0	81.679313
323.377531	340.783056	63.5	0.000141	0	0.00003	31	0	65.785952
311.763951	342.843083	62.9	0.000089	0	0.00001	31	0	49.892592
303.368889	348.024814	61.8	0.000053	0	0.00002	31	0	54.539171
294.973827	347.7	61.1	0.000048	0	0.00001	31	0	63.75576
286.578765	330.468539	59.5	0.000082	0	0.00005	31	0	72.97235
308.532243	333.116881	58.9	0.000207	0	0.00009	31	0	82.18894
345.501217	348.016793	57.7	0.00054	0	0.00005	31	0	120.139518
382.470191	348.4	57.5	0.000803	0	0.0001	31	0	170.699976
419.439165	363.6212	57.2	0.000835	0	0.00003	31	0	221.260434
439.2587	377.658971	57.4	0.000638	0	0.00004	31	0	271.820892
440.425089	348.4	57.7	0.000486	0	0	31	0	279.438363
441.591478	348.4	57.1	0.000467	0	0.00001	31	0	244.455021
442.757867	355.186151	55.8	0.000579	0	0.00002	31	0	209.47168
443.487717	388.619431	56.6	0.000575	0	0	31	0	174.488339
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442.679924	347.735583	58.2	0.000572	0	0	31	0	146.295417
442.276028	347.7	57.9	0.000572	0	0.00001	31	0	143.445737
441.112588	391.877213	58.1	0.000438	0	0	31	0	140.596058
429.700824	351.397743	58.5	0.000297	0	0.00002	31	0	137.251562
418.289059	347.197268	58.5	0.000297	0	0.00002	31	0	128.842143
406.877294	347	58.5	0.000304	0	0.00004	31	0	120.432725
395.465529	362.283242	58.3	0.000316	0	0.00007	31	0	112.023306
387.369453	352.061935	58	0.000321	0	0.00002	31	0	103.613888
380.006148	346.679875	58	0.000348	0	0.0001	31	0	94.222028
372.642843	346.580624	58	0.00035	0	0.00006	31	0	84.752803
365.279538	351.070971	58	0.000301	0	0.00004	31	0	75.283578
356.299797	348.15361	57.9	0.000183	0	0.00005	31	0	65.814353
346.640417	345.5	57.6	0.000126	0	0.00005	31	0	85.330754
336.981037	345.098118	57	0.000125	0	0.00007	30	0	107.574468

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342.760377	341.082296	55.9	0.000361	0	0.00002	30	0	152.061896
365.695932	344.8	55.9	0.000478	0	0	30	0	154.516818
388.631487	344.8	55.9	0.000567	0	0	30	0	151.325068
411.567042	363.444885	56.2	0.000611	0	0	30	0	148.133317
413.803056	361.528186	56.8	0.000481	0	0	30	0	144.941566
406.695736	345.5	56.9	0.000417	0	0.00003	30	0	134.115257
399.588415	345.26049	57.1	0.000349	0	0	30	0	120.094344
392.481095	352.294076	57.2	0.000373	0	0.00004	30	0	106.073432
388.108019	359.379921	57.3	0.000477	0	0.00003	30	0	92.052519
386.843103	344.8	57.3	0.00054	0	0.00003	30	0	86.184744
385.578186	344.8	57.3	0.000453	0	0.00002	30	0	88.568534
384.31327	347.329515	57.4	0.000339	0	0	30	0	90.952324
377.409361	361.104519	57.5	0.000241	0	0.00004	30	0	93.336114
355.860299	344.706667	57.3	0.000144	0	0	30	0	89.909307
334.311238	344.04	56.8	0.000101	0	0.00003	30	0	73.052707
312.762176	344	56.4	0.000066	0	0.00001	30	0	56.196106
292.29237	319.6	55.5	0.000045	0	0.00002	30	0	39.339506
286.384693	341.361493	54.7	0.000033	0	0.00001	30	0	28.325681
280.477015	342.675445	53.1	0.000027	0	0.00002	30	0	76.388809
274.569337	341.981818	52.2	0.00003	0	0.00003	30	0	124.451937
268.66166	313.678476	50.5	0.000066	0	0.00004	30	0	172.515065
270.882844	333.026848	49.6	0.000169	0	0.00008	30	0	220.578192
274.129289	342.5	47.8	0.000246	0	0.00003	30	0	188.413131
277.375735	342.5	48.6	0.000174	0	0.00001	30	0	148.119223
280.62218	326.234433	50.4	0.000123	0	0.00001	30	0	107.825314
275.257603	328.085588	49.3	0.000097	0	0.00001	30	0	67.531406
265.613297	341.486186	47	0.000073	0	0.00003	30	0	49.246003
255.96899	341.1	45.4	0.000053	0	0.00001	30	0	40.894775
246.324684	324.108247	42	0.000036	0	0.00002	30	0	32.543546
251.496816	308.258145	39.7	0.000027	0	0	30	0	24.192317
272.784533	340.59775	35.1	0.000048	0	0.00001	30	0	65.455192
294.07225	341.195299	33.9	0.000123	0	0.00002	30	0	156.730678
315.359967	341.184033	31.4	0.000378	0	0.00002	30	0	248.006164
336.766542	337.611459	31.6	0.000466	0	0.00004	30	0	339.28165
358.494474	343.364915	32	0.000663	0	0.00001	30	0	407.552171
380.222407	343.905873	32.1	0.000663	0	0.00009	30	0	416.667066
401.950339	344.676356	32.3	0.000713	0	0.00011	30	0	425.781962
423.678272	379.671207	32.5	0.000715	0	0.00015	30	0	434.896858
423.893558	347.956763	32.9	0.000569	0	0.00006	30	0	438.541115
424.087309	345.5	33.2	0.000452	0	0	30	0	398.370983
424.281061	345.5	33.7	0.000486	0	0.00002	30	0	358.200851
424.474812	375.134865	33.7	0.000486	0	0.00001	30	0	318.030718
436.031386	356.774976	33.6	0.000567	0	0.00006	30	0	277.860586
449.285852	345.806797	33.6	0.000723	0	0.00002	30	0	283.22599
462.540319	345.834385	33.6	0.001149	0	0.00015	30	0	294.859653
475.794785	384.132092	33.9	0.000869	0	0.00009	30	0	306.493317
498.882517	369.667603	34.4	0.00076	0	0.00007	30	0	318.12698
525.644217	347	34.9	0.0014	0	0.00041	30	0	491.408602
552.405917	347	35.8	0.002017	0	0.00077	30	0	695.709677
578.835088	446.600813	36.9	0.002008	0.00081	0.00094	30	4.4	900.010753
572.34386	357.962337	38.9	0.000781	0.00062	0.00014	30	6.8	1065.75457
565.852632	353.639333	40.6	0.000754	0.00038	0.00015	30	4.8	946.045079
559.361404	354.976136	44	0.001029	0.0001	0.00018	30	1	826.335587
552.690811	443.721549	44.5	0.001234	0	0.00016	30	0	706.626096
537.23138	361.311638	45.7	0.000876	0	0.00015	30	0	589.225806
521.771948	359.622642	46.5	0.000544	0	0.00007	30	0	487.843318
506.312516	361.218716	48.2	0.000455	0	0.00012	30	0	386.460829
491.306805	425.886062	48.6	0.000347	0	0.00007	30	0	285.078341
479.862598	363.1	49.5	0.00028	0	0.00008	30	0	205.633246
468.418392	363.1	49.7	0.000273	0	0.00008	30	0	203.966182
456.974185	363.1	50.2	0.000316	0	0.00012	30	0	202.299119
445.529979	395.353553	50.5	0.000416	0	0.00014	30	0	200.632055

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425.968064	365.141956	51.4	0.000365	0	0.00007	30	0	173.107779
416.26548	365.845318	52.4	0.00031	0	0.00002	30	0	147.74811
406.562896	379.564985	52.8	0.00025	0	0.00002	30	0	122.388442
395.309839	372.42422	53.5	0.000202	0	0.00002	30	0	97.028773
383.688353	367.327442	53.6	0.000162	0	0.00002	30	0	122.044868
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360.445382	364.928556	53.8	0.000439	0	0	30	0	180.838061
378.816553	369.142195	53.9	0.00075	0	0.00007	30	0	208.42378
403.593924	373.091511	54.2	0.000801	0	0	30	0	194.704268
428.371294	376.640964	54.8	0.000772	0	0	30	0	180.984756
452.976149	411.85998	55.4	0.000405	0	0.00001	30	0	167.265244
449.000994	381.318298	56.5	0.000304	0	0.00002	30	0	159.007511
445.025839	380.619231	56.6	0.00031	0	0.00003	30	0	196.814221
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437.075528	405.828571	56.9	0.000859	0	0.00022	30	0	272.427641
434.230567	386.446078	57.1	0.001052	0	0.00019	30	0	303.876777
431.407496	386.736494	57.2	0.000422	0	0.00006	30	0	284.919431
428.584424	387.2	57.5	0.000272	0	0.00001	30	0	265.962085
425.761353	401.576782	57.8	0.000288	0	0.00001	30	0	247.004739
407.121538	393.096667	58.3	0.000277	0	0.00004	30	0	228.047393
386.16	388	58.2	0.000232	0	0	30	0	185.454545
365.198462	388	58.1	0.000152	0	0.00002	30	0	140
344.236923	373.248114	57.6	0.000106	0	0.00001	30	0	94.545455
331.575505	377.77718	56.6	0.000066	0	0.00001	30	0	49.090909
322.271439	386.010915	56	0.000043	0	0	30	0	54.696488
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303.663308	361.360061	54	0.000062	0	0.00004	30	0	88.021277
323.393832	373.905725	52.6	0.000125	0	0.00001	30	0	104.683671
355.390748	386.4	52.5	0.000274	0	0.00003	30	0	214.732366
387.387664	387.340488	52.2	0.000636	0	0.00004	30	0	332.791396
419.38458	401.014551	52.3	0.000832	0	0.00008	30	0	450.850425
444.706017	394.060902	52.5	0.0008	0	0.00007	30	0	568.909455
468.4819	389.6	53	0.000947	0	0.00004	30	0	577.774713
492.257783	390.023276	54.1	0.001531	0	0.00014	30	0	577.530632
516.033666	428.348867	54.5	0.001083	0	0	30	0	577.286551
517.670766	413.632562	55.4	0.00055	0	0.00002	30	0	577.04247
510.132953	388.764724	56	0.00045	0	0	30	0	512.004586
502.59514	388	57.2	0.000538	0	0.00002	30	0	433.317644
495.057327	415.911122	57.4	0.00076	0	0.00009	30	0	354.630702
496.128008	411.829475	57.9	0.000766	0	0.0001	30	0	275.943761
501.362441	386.069872	58.2	0.00059	0	0.00005	30	0	355.238404
506.596874	385.7	58.7	0.000745	0	0.00001	30	0	507.856858
511.831307	414.753636	58.9	0.001116	0	0.0002	30	0	660.475312
512.824745	416.048961	59.4	0.001036	0	0.00007	30	0	813.093766
511.463539	384.9	59.9	0.00073	0	0	30	0	760.003163
510.102333	384.645491	60.8	0.000607	0	0	30	0	606.9618
508.741128	405.617241	61.1	0.000672	0	0	30	0	453.920438
509.107619	420.747525	61.7	0.000764	0	0.00008	30	0	300.879075
511.012381	384.396869	61.8	0.000783	0	0.00031	30	0	230.526478
512.917143	384.9	62.1	0.000776	0	0.00038	30	0	224.356812
514.821905	410.421923	62.3	0.000777	0	0.00004	30	0	218.187147
507.438373	416.960059	62.8	0.000771	0	0.00001	30	0	212.017481
494.920318	386.347899	63	0.000697	0	0	30	0	196.734135
482.402263	386.933059	63.5	0.000528	0	0	30	0	177.022596
469.884208	400.401375	63.6	0.00036	0	0.00001	30	0	157.311058
464.328925	411.446611	63.9	0.000306	0	0	30	0	137.599519
466.02061	387.2	63.8	0.000367	0	0.00001	30	0	131.889215
467.712294	387.329109	63.5	0.000556	0	0	30	0	139.470531
469.403979	394.489257	63.4	0.000684	0	0.00002	30	0	147.051846
470.144598	422.250055	63.2	0.000673	0	0.00001	30	0	154.633162
468.590323	390.557949	63.3	0.000585	0	0.00002	30	0	156.39411
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466.895181	420.534933	63.8	0.000435	0	0.00004	30	0	137.95621
475.103012	392.7	63.8	0.000445	0	0.00018	30	0	162.150905
483.310843	392.907726	63.9	0.000763	0	0.00024	30	0	214.464789
491.518675	403.762578	63.9	0.001014	0	0.00006	30	0	266.778672
495.32823	434.1022	63.8	0.00102	0	0.00001	30	0	319.092555
489.791448	397.118919	64.1	0.001041	0	0.00004	30	0	321.194383
484.254666	398.2	64.8	0.000802	0	0	30	0	281.036709
478.717884	411.089877	65.1	0.000407	0	0.00001	30	0	240.879034
473.625935	424.159403	65.8	0.000336	0	0	30	0	200.72136
469.029602	398.391773	65.7	0.000349	0	0	30	0	175.380577
464.43327	398.800982	65.5	0.000415	0	0	30	0	165.836316
459.836937	401.978704	65.3	0.000529	0	0	30	0	156.292054
456.612812	423.029403	64.9	0.000717	0	0.00003	30	0	146.747793
457.024534	398.26759	64.9	0.000865	0	0	30	0	138.861583
457.436256	398.855332	65	0.000757	0	0.00001	30	0	134.976202
457.847978	398.9	65.2	0.000527	0	0	30	0	131.090821
457.258894	427.527778	65.6	0.000384	0	0	30	0	127.20544
450.76851	397.4	65.6	0.000387	0	0.00001	30	0	121.860225
444.278125	397.4	65.5	0.000396	0	0.00004	30	0	109.632942
437.78774	397.4	65.5	0.000402	0	0.00005	30	0	97.405658
431.297356	411.453681	65.5	0.000411	0	0.00001	30	0	85.178374
417.550369	399.25495	65.5	0.00039	0	0.00006	30	0	73.010732
403.692875	395.961461	65.5	0.000365	0	0.00003	30	0	75.693659
389.835381	395.232857	65.5	0.000323	0	0.00005	30	0	78.376585
375.977887	387.427809	65.5	0.000278	0	0.00002	30	0	81.059512
375.967257	391.877251	65.5	0.000263	0	0.00002	30	0	83.742439
377.242948	394.2	65.4	0.000325	0	0.00004	30	0	81.412214
378.518639	393.757213	65.4	0.000349	0	0.00001	30	0	78.549618
379.79433	389.538889	65.5	0.000368	0	0.00009	30	0	75.687023
385.352673	389.940099	65.6	0.00038	0	0.00005	30	0	72.824427
392.907912	392.7	65.8	0.000432	0	0.00007	30	0	73.013042
400.46315	392.7	65.9	0.000497	0	0.0001	31	0	74.435855
408.018389	395.864969	66.1	0.000561	0	0.00014	30	0	75.858667
405.947768	398.458636	66.2	0.000584	0	0.00017	30	0	77.28148
393.152351	391.674601	66.4	0.000492	0	0.00009	30	0	76.815789
380.356935	391.1	66.5	0.000389	0	0.00012	30	0	74.423445
367.561518	388.722554	66.7	0.000249	0	0.00008	30	0	72.0311
352.86907	376.66561	66.6	0.000169	0	0.00011	30	0	69.638756
333.393966	390.303276	66.3	0.000107	0	0.00007	30	0	64.544503
313.918862	389.679251	65.9	0.000066	0	0.00006	30	0	53.57467
294.443758	388.715203	65.1	0.000044	0	0.00007	30	0	42.604837
277.380717	338.303834	64.4	0.000032	0	0.00005	30	0	31.635004
269.558097	387.101695	63.1	0.000027	0	0.00009	30	0	23.479452
261.735476	386.423729	61.8	0.000024	0	0.00007	30	0	21.767123
253.912855	383.145619	59	0.000022	0	0.00009	30	0	20.054795
247.071673	321.29285	58.3	0.000028	0	0.0001	30	0	18.342466
244.33423	384.863667	56.8	0.000029	0	0.00009	31	0	18.476563
241.596786	384.190833	56.5	0.000033	0	0.00007	30	0	25.3125
238.859343	384.1	55.9	0.000043	0	0.00003	31	0	32.148438
236.1219	319.538776	55.5	0.000052	0	0.00002	30	0	38.984375
232.093146	379.738979	54.8	0.000042	0	0	31	0	44.210719
228.053978	382.799055	54.2	0.000031	0	0.00001	31	0	37.633374
224.01481	382.6	52.9	0.000021	0	0	31	0	31.056029
219.975643	318.667857	52	0.000015	0	0	31	0	24.478685
221.763319	367.675532	50.3	0.000013	0	0	31	0	18.312893
224.148456	380.398304	49.8	0.000014	0	0	31	0	39.172405
226.533593	380.2	48.9	0.000017	0	0.00003	31	0	60.031918
228.91873	321.644722	48.6	0.00003	0	0.00001	31	0	80.89143
236.194958	370.769107	48	0.000063	0	0.00002	31	0	101.607984
243.873483	380.375897	47.9	0.000091	0	0.00001	31	0	118.496418
251.552009	380.731398	47.6	0.000147	0	0.00003	31	0	135.384852
259.702323	326.597616	47.5	0.000251	0	0.00006	31	0	152.273286

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330.563892	380.2	47.4	0.00072	0	0.00004	31	0	251.606694
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427.343742	379.447163	49.9	0.000919	0	0.00002	31	0	475.189024
438.931935	377.667657	51	0.000594	0	0	31	0	466.652439
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463.434994	388.403171	52.9	0.000859	0	0.00006	31	0	449.579268
476.711067	373.479195	53.4	0.000888	0	0	31	0	495.101576
489.987141	371.682474	54.4	0.000996	0	0.00003	31	0	552.894921
503.263215	407.881313	54.9	0.000985	0	0	31	0	610.688266
519.917052	393.543284	56	0.001139	0	0	31	0	668.481611
537.943849	366.1575	56.7	0.001838	0	0.00003	31	0	611.467669
555.970646	363.985326	58	0.002047	0	0	31	0	528.909807
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537.626469	362.430324	64.1	0.000778	0	0	31	0	304.029202
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510.552746	422.466355	65.1	0.00075	0	0	31	0	268.416667
516.020161	363.42395	65.5	0.001133	0	0	31	0	272.129762
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526.954991	371.560182	66.9	0.000927	0	0	31	0	340.225
529.5746	445.079554	68.1	0.001001	0	0	31	0	374.272619
519.813105	370.971728	68.7	0.00056	0	0	31	0	387.838936
510.051611	372.230117	69.9	0.0005	0	0.00009	31	0	326.624686
500.290116	373.099697	70.2	0.000583	0	0.00009	31	0	265.410437
490.956714	432.764009	70.8	0.000674	0	0.00001	31	0	204.196187
484.762666	375.719365	71	0.000726	0	0.00003	31	0	154.776699
478.568618	377.50093	71.5	0.000661	0	0	31	0	145.067961
472.374571	379.138298	71.7	0.000532	0	0.00005	31	0	135.359223
466.180523	416.761443	72.2	0.000446	0	0.00002	31	0	125.650485
449.056081	387.18366	72.4	0.000413	0	0.00002	31	0	115.978102
431.787672	380.9	72.7	0.000371	0	0.00002	31	0	112.328467
414.519264	381.978333	72.6	0.000254	0	0.00001	31	0	108.678832
397.250855	386.349072	72.4	0.000276	0	0.00002	31	0	105.029197
397.891439	384.871536	72.2	0.000258	0	0.00001	31	0	101.379562
403.671927	383.831043	71.7	0.000302	0	0.00006	31	0	104.413333
409.452415	384.957199	71.6	0.000431	0	0.00004	31	0	108.222857
415.232902	394.620309	71.5	0.000552	0	0.00002	31	0	112.032381
419.255638	394.421709	71.6	0.000697	0	0.00002	31	0	115.841905
422.439741	388.722754	71.8	0.00064	0	0.00001	31	0	114.267239
425.623845	389.880121	72	0.000655	0	0.00004	31	0	110.340859
428.807948	397.792449	72.4	0.000504	0	0	31	0	106.414479
427.06505	402.710392	72.4	0.000258	0	0.00003	31	0	102.488098
420.395149	391.1	72.4	0.000199	0	0.00002	31	0	109.653519
413.725249	391.250478	72	0.000244	0	0.00002	31	0	123.588333
407.055348	393.213765	71.2	0.000495	0	0.00006	31	0	137.523146
396.46939	396.427451	71	0.000672	0	0.00001	31	0	151.457959
379.412068	393.276279	70.7	0.000342	0	0.00002	31	0	148.601425
362.354746	392.733643	70.5	0.000189	0	0	31	0	119.147743
345.297424	392.7	70.2	0.000102	0	0	31	0	89.694062
328.425867	362.577222	69.6	0.000058	0	0	31	0	60.24038
314.10038	391.893676	68.4	0.000039	0	0	31	0	35.403577
299.774892	390.628921	67.8	0.000031	0	0	31	0	32.033955
285.449405	390.4	66.5	0.000027	0	0	31	0	28.664334
278.015046	331.501426	65.9	0.000027	0	0.00001	31	0	25.294712
322.588092	389.6	64.6	0.0001	0	0	31	0	145.790955
367.161137	389.6	63.9	0.000621	0	0.0001	31	0	530.715578
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460.844883	385.356102	64.9	0.000859	0	0.00006	31	0	451.462908
457.184145	384.007294	65.1	0.000475	0	0	31	0	367.635015
453.523408	387.057403	65.6	0.000423	0	0	31	0	283.807122
449.558275	409.166569	65.5	0.000544	0	0.00002	31	0	199.979228
444.996959	380.648092	65.4	0.000747	0	0.00009	31	0	144.61456
440.435643	379.4	65.3	0.000475	0	0.00004	31	0	138.132386
435.874327	379.4	65.2	0.000345	0	0	31	0	131.650212
432.8	399.560149	65	0.000354	0	0.00002	31	0	125.168038
432.8	376.985275	64.6	0.00041	0	0.00051	31	0	121.170813
432.8	376.402912	64.2	0.000483	0	0.00033	30	0	121.649282
432.8	376.623323	63.3	0.000477	0	0.00006	30	0	122.127751
429.99303	402.328893	63.3	0.000443	0	0	30	0	122.60622
412.114242	374.076075	63.3	0.000441	0	0.00002	31	0	119.417171
394.235455	372.746912	63.2	0.000415	0	0	31	0	99.175198
376.356667	372.4	63.1	0.000271	0	0.00005	31	0	78.933225
358.477879	366.071237	62.7	0.00016	0	0.00002	30	0	58.691252
343.425286	368.393246	61.9	0.000077	0	0.00001	30	0	38.449279
328.806238	369.613367	61.3	0.000045	0	0.00001	30	0	41.65206
314.18719	369.3	60.2	0.000044	0	0	30	0	48.082162
299.568143	349.419572	59.6	0.000046	0	0	30	0	54.512265
297.140441	350.369913	58.3	0.000102	0	0	30	0	60.942367
300.799273	367.8	57.9	0.000257	0	0	30	0	62.158832
304.458105	367.551129	57.1	0.000298	0	0	30	0	60.921821
308.116937	357.413048	56.8	0.0002	0	0	30	0	59.68481
311.227375	350.248712	56.2	0.000133	0	0.00001	30	0	58.447798
313.870662	365.4	55.5	0.000135	0	0	30	0	72.606842
316.513949	365.4	54.2	0.000174	0	0.00003	30	0	95.501579
319.157236	354.138466	53.7	0.000217	0	0	30	0	118.396316
345.802643	357.865649	52.7	0.000307	0	0.00005	30	0	141.291053
381.828571	365.699155	52.3	0.0006	0	0.00007	30	0	274.692958
417.8545	365.773434	51.6	0.00098	0	0.00033	30	0	429.457825
453.880429	394.557374	51.5	0.001185	0	0.00037	30	0	584.222692
472.414443	386.108913	51.4	0.000834	0	0.00008	30	0	738.987559
483.734277	368.962963	51.8	0.000528	0	0.00007	30	0	735.303371
495.054111	369.3	52.6	0.000803	0	0.00006	30	0	696.601748
506.373945	403.12631	52.4	0.001121	0	0.00016	30	0	657.900125
516.920374	400.070375	52.1	0.00132	0	0.00008	31	0	619.198502
526.970249	372.423713	52.4	0.001127	0	0	31	0	691.537655
537.020125	373.569381	52.9	0.001197	0	0	31	0	789.249762
547.07	415.382642	53.3	0.001164	0	0	31	0	886.961868
541.930017	422.934192	54.1	0.00052	0	0	31	0	984.673975
526.621197	376.4	54.3	0.000324	0	0	31	0	923.840926
511.312377	376.527013	54.8	0.000377	0	0	31	0	765.007472
496.003557	389.381684	54.4	0.000572	0	0	31	0	606.174018
490.26481	414.881169	53.7	0.00089	0	0.00016	31	0	447.340564
496.805471	378.078465	53.6	0.001043	0	0.00018	31	0	362.390276
503.346133	378.769063	53.3	0.000751	0	0	31	0	361.090224
509.886794	393.762145	53.4	0.000561	0	0.00001	31	0	359.790172
516.58504	423.235663	53.7	0.000558	0	0	31	0	358.49012
523.5036	381.526457	53.5	0.000692	0	0.00001	31	0	439.531469
530.42216	382.788571	53.2	0.00093	0	0	31	0	570.400599
537.34072	412.423571	53.2	0.001006	0	0	31	0	701.26973
542.535093	431.404842	53.1	0.00097	0	0	31	0	832.138861
546.005279	387.224766	53.3	0.000823	0	0.00002	31	0	862.895062
549.475464	388.875109	53.7	0.000942	0	0.00009	31	0	832.030864
552.94565	411.514379	54	0.001035	0	0	31	0	801.166667
554.524227	452.170747	54.5	0.000797	0	0.00007	30	0	770.302469
553.358115	392.846295	54.9	0.00057	0	0.00002	30	0	782.572302
552.192004	393.480727	55.8	0.000627	0	0.00005	30	0	857.688525
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556.337968	481.741907	61.7	0.000896	0	0.00011	30	0	424.22252
538.787044	414.77949	62.1	0.00051	0	0.00002	30	0	342.396352
521.23612	411.833333	62.9	0.000367	0	0.00004	30	0	290.986733
503.685197	412.728155	63	0.000379	0	0.00002	30	0	239.577114
486.134273	439.518519	63.2	0.000437	0	0	30	0	188.167496
478.44918	423.72	63.2	0.000468	0	0	30	0	136.757877
472.277531	414.6	63.2	0.000454	0	0	30	0	122.698893
466.105882	414.978557	63.2	0.00041	0	0	30	0	113.3508
459.934233	427.391751	63.2	0.000393	0	0	30	0	104.002706
462.004043	423.893817	63	0.000452	0	0.00003	30	0	94.654613
467.294784	416.7125	62.6	0.000566	0	0	30	0	97.110889
472.585525	417.841463	62.6	0.000637	0	0.00001	30	0	102.105894
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481.642663	431.21873	62.8	0.000552	0	0	30	0	112.095904
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487.942279	422.516522	63.1	0.000689	0	0	30	0	126.062837
491.092087	445.285731	63.2	0.000756	0	0	30	0	133.244165
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467.219201	423.849258	63.8	0.000412	0	0	30	0	129.820586
453.671442	424.083478	63.8	0.000305	0	0	30	0	117.669049
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429.091292	426.368431	63.7	0.000271	0	0	30	0	93.365976
419.12158	423.7	63.5	0.000243	0	0	30	0	89.085273
409.151868	423.7	63.3	0.000263	0	0.00005	30	0	87.820091
399.182155	416.003231	62.8	0.000295	0	0.00001	30	0	86.554909
413.150988	418.970904	62.6	0.000422	0	0.00002	30	0	85.289727
435.487003	424.5	62.1	0.000592	0	0.00003	30	0	141.666342
457.823019	424.5	62	0.00086	0	0.00001	30	0	215.163543
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486.72988	425.017881	62.7	0.000775	0	0.00001	30	0	349.009348
485.833466	424.248974	63.1	0.000557	0	0	30	0	291.621657
484.937052	434.935759	63.8	0.000513	0	0	30	0	234.233965
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474.585006	422.099375	67.2	0.000526	0	0	30	0	154.284716
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521.88791	430.632412	62.9	0.001162	0	0	30	0	336.356583
519.84958	448.874146	63.4	0.000753	0	0	30	0	428.59818
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479.810035	410.949167	64.5	0.000284	0	0	30	0	335.169383
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457.213344	408.567851	63.8	0.000359	0	0	30	0	127.850036
462.489067	407.873602	63.5	0.000543	0	0	30	0	139.275887
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466.587204	432.822397	62.8	0.000399	0	0	30	0	162.127589
449.762559	404.58448	62.7	0.000235	0	0	30	0	165.956265
432.937915	403.829446	62.4	0.000176	0	0.00001	30	0	152.953901
416.11327	403.8	61.9	0.000236	0	0	30	0	139.951537
400.914886	401.804025	61.6	0.000349	0	0.00001	30	0	126.949173
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397.917576	400.223341	60	0.000327	0	0	30	0	100.416153
383.978182	400.194995	59.6	0.000227	0	0.00002	30	0	94.968498
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354.854951	393.137717	58.8	0.000133	0	0	30	0	84.073188
339.324199	398.535113	58.5	0.000113	0	0.00004	30	0	76.518044
323.793446	398.2	57.8	0.000097	0	0.00001	30	0	68.445869
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279.477442	395.603045	54.4	0.000032	0	0.00002	30	0	42.338451
270.872791	386.732371	53.7	0.000025	0	0.00001	30	0	38.151431
272.85195	339.26513	52.2	0.000026	0	0.00004	30	0	33.96441
303.30195	394.2	51.7	0.000085	0	0.00004	30	0	50.31546
333.75195	394.2	50.5	0.000272	0	0.00008	30	0	116.464295
364.20195	394.513406	50.5	0.000565	0	0.00002	30	0	182.61313
380.707645	391.754406	50.6	0.000486	0	0.00006	30	0	248.761964
359.702643	395.807072	50.9	0.000204	0	0.00002	30	0	277.16402
338.697642	396.555824	51.6	0.000095	0	0.00002	30	0	217.908272
317.692641	395.768891	51.3	0.000054	0	0.00002	30	0	158.652524
297.484973	349.505918	50.7	0.000037	0	0	30	0	99.396776
287.554037	390.56	50.3	0.000031	0	0.00002	30	0	44.53031
277.623101	393.027966	49.6	0.000024	0	0.00001	30	0	38.802387
267.692165	392.7	49.3	0.00002	0	0.00001	30	0	33.074463
257.761229	342.47712	48.8	0.000016	0	0	30	0	27.346539
251.599722	372.617007	47.9	0.000013	0	0	30	0	21.618616
245.986574	391.571287	46.1	0.000012	0	0	30	0	19.341567
240.373426	391.410244	44.2	0.000012	0	0	30	0	17.482337
234.760278	329.999317	40.4	0.000011	0	0	30	0	15.623108
230.88835	386.997112	38.5	0.00001	0	0	30	0	13.899313
227.171956	389.6	34.4	0.000009	0	0.00001	30	0	13.106501
223.455561	389.6	33	0.000008	0	0	30	0	12.313689
219.825835	305.000362	30	0.000008	0	0	30	0	11.520877
216.808379	388	28.3	0.000008	0	0	30	0	10.833858
213.790923	388	24.6	0.000007	0	0	30	0	10.349479
210.773466	388	23	0.000007	0	0	30	0	9.865101
208.541237	298.578571	19.9	0.000006	0	0	30	0	9.380722
212.411733	387.166276	18.6	0.000008	0	0.00001	30	0	14.844428
216.28223	386.541764	16	0.000011	0	0	30	0	42.15484
220.152726	386.4	14.1	0.000019	0	0	30	0	69.465252
224.0421	315.213128	10.2	0.000041	0	0	30	0	96.775664
231.058795	383.091064	8.3	0.000054	0	0	30	0	122.499881
238.07549	388	4.5	0.000071	0	0	30	0	135.773169
245.092185	387.417255	3	0.000095	0	0	30	0	149.046457
252.10888	337.991735	0	0.000102	0	0	30	0	162.319744
255.434327	369.765717	0	0.000105	0	0	30	0	175.593032
258.222788	388	0	0.000107	0	0	30	0	175.248347
261.01125	387.556282	0	0.00011	0	0.00001	30	0	173.289003
263.799712	351.703901	0	0.00011	0	0	30	0	171.32966
265.554368	364.960768	0	0.000113	0	0	30	0	169.370316
266.892894	387.560943	0	0.000114	0	0	30	0	168.00783
268.231419	387.2	0	0.000114	0	0	30	0	166.784438
269.569944	360.075816	0	0.000129	0	0	30	0	165.561047
271.204609	359.113996	0	0.000147	0	0	30	0	164.337656
273.033431	387.2	0	0.000139	0	0.00001	30	0	166.29561
274.862253	387.441702	0	0.000147	0	0	30	0	169.466341
276.691075	368.118087	0	0.00013	0	0.00001	30	0	172.637073
277.85839	355.203486	0	0.000128	0	0	30	0	175.807805
278.372089	387.2	0	0.000133	0	0	30	0	177.152084
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314.764212	386.629472	0	0.000359	0	0	30	0	179.053323
339.544574	387.114894	1.4	0.000747	0	0.00004	30	0	181.075057
364.324935	385.006897	4.4	0.000896	0	0	30	0	183.09679
368.407798	382.609951	6.5	0.000715	0	0.00001	30	0	185.118524
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358.835434	380.097899	14.3	0.000482	0	0.00009	30	0	181.294468
382.174446	378.110386	14.4	0.000795	0	0.00005	30	0	176.580997
405.513458	381.150277	14.6	0.00082	0	0.00011	30	0	171.867527
422.296202	388.026321	15.7	0.000613	0	0.00005	30	0	167.154056
430.563332	370.908567	18.1	0.00057	0	0.00003	30	0	168.22734
438.830462	369.044166	19	0.000669	0	0.00008	30	0	174.170877
447.097592	375.408158	20.8	0.000786	0	0.00002	30	0	180.114413
448.594361	393.68951	21.8	0.000748	0	0.00007	30	0	186.057949
440.226699	360.098899	23.7	0.000556	0	0.00002	30	0	181.170543
431.859037	358.014709	24.4	0.00048	0	0.00003	30	0	165.666667
423.491375	363.410102	25.9	0.000349	0	0.00001	30	0	150.162791
413.456851	372.250807	26.2	0.000313	0	0.00001	30	0	134.658915
401.902071	352.397458	26.9	0.000286	0	0.00003	30	0	123.294984
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378.792513	353.498043	26.7	0.000267	0	0.00004	30	0	105.326429
364.105843	355.303301	26.8	0.000245	0	0.00001	30	0	96.342151
346.481507	346.911811	26.9	0.0002	0	0.00003	30	0	88.856739
328.85717	345.362234	26.6	0.000153	0	0.00002	30	0	82.259189
311.232834	339.158392	26.1	0.000106	0	0.00001	30	0	75.66164
296.245344	326.718597	25.8	0.000081	0	0.00002	30	0	69.06409
285.671398	342.233051	25.1	0.000061	0	0.00001	30	0	61.60826
275.097452	341.069118	24.3	0.000044	0	0.00003	30	0	52.775603
264.523506	339.322018	22.7	0.000035	0	0.00001	30	0	43.942946
255.736884	299.863458	21.5	0.000028	0	0.00001	30	0	35.110289
255.37622	338.884444	19.1	0.000026	0	0.00001	30	0	32.258896
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254.654893	337.590437	14.5	0.000027	0	0.00001	30	0	75.939877
254.37967	300.123853	12.6	0.00004	0	0.00001	30	0	97.780368
259.359024	334.054963	8.7	0.000055	0	0.00001	30	0	118.816406
264.338377	334.872047	7	0.000066	0	0	30	0	133.953125
269.317731	334.5	3.8	0.000082	0	0.00002	30	0	149.089844
274.297085	310.932857	2.5	0.000139	0	0.00001	30	0	164.226563
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349.946075	332.008747	0.9	0.000865	0	0.00005	30	0	180.787977
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429.088861	370.168349	5.5	0.001225	0	0.00007	30	0	184.28012
443.345783	339.025714	11.3	0.000992	0	0	30	0	185.93779
454.345539	330.9	13.9	0.000767	0	0.0001	30	0	181.790437
465.345295	330.9	19.3	0.000823	0	0.00007	30	0	177.643084
476.34505	380.568571	21	0.000858	0	0.00005	30	0	173.495731
473.077772	350.638328	24.4	0.000824	0	0.0001	30	0	169.348378
466.131574	331.344491	25.6	0.000697	0	0	30	0	160.403309
459.185375	332.066804	28	0.00059	0	0	30	0	151.018276
452.239177	372.325227	28.9	0.000509	0	0	30	0	141.633243
448.238932	349.642292	30.6	0.000461	0	0.00003	30	0	132.248209
444.816602	332.4	31.1	0.000473	0	0.00001	30	0	125.86349
441.394272	332.4	32.1	0.000497	0	0.00001	30	0	119.939027
437.971942	362.808061	32.6	0.000477	0	0.00003	30	0	114.014564
421.355426	352.280678	33.6	0.000483	0	0.00001	30	0	108.090101
399.505462	333.1	33.8	0.000263	0	0.00005	30	0	127.72381
377.655499	333.42297	34.2	0.000245	0	0.00001	30	0	153.120635
355.805535	336.711134	34.2	0.000182	0	0.00005	30	0	178.51746
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310.912969	333.546588	33.3	0.000039	0	0.00002	30	0	175.433504
297.017309	325.277658	32.8	0.000041	0	0.00001	30	0	154.767323
297.037001	320.276477	31.9	0.000058	0	0.00005	30	0	134.101143
311.253165	333.1	31.7	0.00015	0	0.00002	30	0	126.725191
325.469328	333.266498	31.3	0.000251	0	0.00006	30	0	127.917939
339.685492	335.638022	31.4	0.000292	0	0.00004	30	0	129.110687
354.91247	339.408671	31.5	0.000312	0	0.00005	30	0	130.303435
371.740557	334.364975	31.6	0.000354	0	0.00009	30	0	155.423291
388.568644	333.861923	31.9	0.000484	0	0.00009	30	0	214.133124
405.396731	335.484659	32.3	0.000639	0	0.00018	30	0	272.842957
415.020537	371.83125	33	0.000597	0	0.0001	30	0	331.552791
403.8164	336.068719	33.8	0.00054	0	0.00013	30	0	352.945202
392.612263	336.651082	35.4	0.000404	0	0.00006	30	0	276.935101
381.408126	338.493089	36	0.000283	0	0.00005	30	0	200.925
368.415142	353.517067	37.3	0.000165	0	0.00003	30	0	124.914899
348.084232	336.615168	37.1	0.000117	0	0.00002	30	0	69.11675
327.753322	336.067866	36.8	0.000071	0	0.00003	30	0	56.86675
307.422412	334.686649	36.5	0.00005	0	0	30	0	44.61675
289.302997	315.644521	36	0.000034	0	0	30	0	32.36675
279.655642	335.2	35.4	0.000025	0	0	30	0	23.199495
270.008287	335.2	34.3	0.00002	0	0	30	0	20.674242
260.360932	335.2	33.3	0.000017	0	0	30	0	18.14899
251.754858	299.226681	31.2	0.000015	0	0	30	0	15.623737
246.501097	334.5	30.3	0.000014	0	0.00001	30	0	13.627154
241.247335	334.48661	28.5	0.000013	0	0	30	0	12.582768
235.993573	329.368785	26.8	0.000012	0	0	30	0	11.538381
240.284232	295.26715	23.2	0.000011	0	0	30	0	10.493995
265.234331	334.297165	21.8	0.000013	0	0	30	0	54.96281
290.184431	333.874484	19	0.000127	0	0	30	0	140.281235
315.134531	334.446309	18.3	0.00046	0	0	30	0	225.59966
340.531434	334.705376	16.8	0.000623	0	0	30	0	310.918085
366.932194	337.002108	17.8	0.000685	0	0	30	0	341.492844
393.332953	338.173068	19.8	0.0008	0	0	30	0	294.260019
419.733713	338.871148	20.9	0.000869	0	0	30	0	247.027195
444.339581	390.127068	23	0.000885	0	0	30	0	199.79437
452.043546	340.368632	24	0.000722	0	0	30	0	206.071537
459.747512	339.818318	26	0.000485	0	0	30	0	400.965369
467.451478	340.31811	26.6	0.000895	0	0.00011	30	0	595.859201
473.168932	405.656326	27.8	0.001348	0	0.00005	30	0	790.753033
466.372816	340.4	28.8	0.001155	0	0	30	0	892.228489
459.576699	340.4	30.8	0.000703	0	0	30	0	734.600145
452.780583	339.839032	32	0.00049	0	0.00003	30	0	576.9718
445.787923	386.825055	34.4	0.000463	0	0.00001	30	0	419.343456
427.430435	342.079553	34.9	0.000677	0	0.00002	30	0	280.330014
409.072947	339.061865	36	0.000589	0	0.00005	30	0	283.174964
390.715459	339.487961	36.6	0.000386	0	0	30	0	286.019915
372.357971	351.080433	37.9	0.000303	0	0.00004	30	0	288.864865
353.938143	343.017878	38.1	0.00025	0	0.00001	30	0	291.709815
335.509571	338.9	38.4	0.000235	0	0	30	0	236.195714
317.081	339.324087	38.8	0.000168	0	0	30	0	174.052857
298.652429	326.952588	39.6	0.000086	0	0	30	0	111.91
282.954691	328.857336	39.6	0.000054	0	0	30	0	49.767143
268.559847	339.7	39.7	0.000037	0	0	30	0	27.501671
254.165004	339.7	39.4	0.000034	0	0.00003	30	0	22.489737
239.77016	321.182371	38.9	0.000028	0	0.00001	30	0	17.477804
229.219905	305.659475	38.8	0.000026	0	0.00002	30	0	12.465871
222.703318	340.4	38.7	0.000022	0	0.00001	30	0	8.796494
216.18673	340.4	38.5	0.000024	0	0	30	0	6.427387
209.670142	332.120978	38.1	0.000024	0	0.00001	30	0	4.05828
208.588194	281.906931	37.5	0.000014	0	0	30	0	1.689173
222.35011	340.324769	36.4	0.000012	0	0	30	0	7.650526
236.112026	339.737028	35.8	0.000031	0	0	30	0	34.30741

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255.621934	339.7	33.6	0.000158	0	0	30	0	106.170755
250.88271	339.7	33.4	0.000142	0	0	30	0	91.881638
246.143487	339.7	33	0.000122	0	0	30	0	77.592522
241.404263	297.229052	32.5	0.00009	0	0	30	0	63.303406
234.756714	331.11683	31.4	0.000065	0	0	30	0	49.014289
228.066238	338.41175	30.6	0.000047	0	0	30	0	41.612357
221.375762	337.760256	28.8	0.00003	0	0	30	0	34.217319
214.685286	297.334595	27.8	0.000022	0	0.00001	30	0	26.822281
212.146651	314.909344	25.7	0.000015	0	0.00001	30	0	19.427242
210.792732	336.321477	23.9	0.000012	0	0	30	0	25.077269
209.438812	336	20.4	0.000011	0	0.00001	30	0	33.84712
208.084893	308.283452	18.5	0.000011	0	0	30	0	42.616971
210.740358	299.174853	14.7	0.000013	0	0.00001	30	0	51.386822
216.445215	335.738534	13	0.00002	0	0.00001	30	0	71.966887
222.150071	335.2	9.6	0.000039	0	0	30	0	100.822138
227.854927	328.896013	7.8	0.000054	0	0.00001	30	0	129.677389
233.328814	294.230823	4	0.000074	0	0	30	0	158.53264
238.325176	335.877304	2.7	0.0001	0	0	30	0	178.370211
243.321538	335.25763	0	0.000106	0	0	30	0	182.176351
248.3179	334.515841	0	0.000107	0	0	30	0	185.982492
252.694022	297.7237	0	0.000107	0	0	30	0	189.788632
254.635016	334.5	0	0.000108	0	0	30	0	190.551962
256.576009	334.5	0	0.00011	0	0	30	0	187.096026
258.517003	330.296815	0	0.000116	0	0	30	0	183.640089
260.435466	304.736337	0	0.000144	0	0.00002	30	0	180.184152
262.309998	333.671667	0	0.000149	0	0	30	0	178.749109
264.184529	333.1	0	0.000137	0	0.00001	30	0	180.784733
266.05906	329.075196	0.2	0.000131	0	0	30	0	182.820356
267.248502	307.66766	0.6	0.000116	0	0	30	0	184.85598
267.09614	332.193883	0.4	0.000112	0	0.00002	30	0	185.105894
266.943779	331.6	0	0.000112	0	0.00001	30	0	183.064557
266.791417	322.897959	0	0.000112	0	0.00003	30	0	181.02322
266.758665	308.580196	0	0.000113	0	0.00001	30	0	178.981883
266.905329	330.477613	0	0.000115	0	0.00002	30	0	176.987564
267.051992	329.46877	0	0.000115	0	0.00003	30	0	175.03682
267.198656	324.89413	0	0.000115	0	0.00001	30	0	173.086077
267.413519	304.239032	0	0.000123	0	0.00005	30	0	171.135333
267.780896	328.538125	0	0.000143	0	0.00001	30	0	170.301515
268.148273	327.913125	0	0.00014	0	0.00004	30	0	171.022842
268.51565	324.916028	0.2	0.000122	0	0.00002	30	0	171.744169
268.840491	301.025298	0.6	0.000115	0	0.00003	30	0	172.465497
269.019657	326.437114	0.4	0.000116	0	0.00003	30	0	172.865104
269.198823	325.801906	0	0.000117	0	0.00003	30	0	172.344271
269.377988	321.904545	0	0.000132	0	0.00006	30	0	171.823438
269.597554	302.608174	0	0.000125	0	0.00003	30	0	171.302604
269.903364	323.439876	0	0.000119	0	0.00005	30	0	171.289631
270.209174	322.81924	0	0.000149	0	0.00004	30	0	171.980876
270.514985	322.152767	0	0.000139	0	0.00002	30	0	172.67212
270.778694	297.489517	0	0.000138	0	0	30	0	173.363364
270.465365	317.815496	0	0.000143	0	0	30	0	174.039128
270.152037	319.365294	0	0.000134	0	0	30	0	174.534423
269.838708	318.212169	0	0.00012	0	0	30	0	175.029718
269.52538	298.786696	0	0.000115	0	0	30	0	175.525012
269.643295	313.315267	0	0.000127	0	0	30	0	175.968963
269.79922	315.078651	0	0.000138	0	0	30	0	175.211961
269.955146	314.8	0	0.000134	0	0	30	0	174.454958
271.619376	293.136391	0	0.000146	0	0	30	0	173.697956
293.019043	310.92145	0	0.000174	0	0	30	0	175.266794
314.41871	310.963497	0	0.000339	0	0	30	0	204.328252
335.818377	308.829735	1.2	0.000613	0	0	30	0	233.389709
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370.203831	309.142363	6	0.001028	0	0	30	0	291.512625
381.932372	298.171429	10.8	0.000609	0	0	30	0	278.904988
393.660913	295.359842	12.6	0.00062	0	0	30	0	260.615202
405.389454	323.203232	16.3	0.000551	0	0.00003	30	0	242.325416
392.670756	320.164583	17.5	0.000418	0	0	30	0	224.035629
366.26008	291.020547	19.9	0.000153	0	0.00001	30	0	191.645516
339.849403	290.462908	19.7	0.000085	0	0	30	0	152.310466
313.438726	290.692466	19.4	0.000055	0	0	30	0	112.975416
297.236256	292.118069	18.8	0.000043	0	0	30	0	73.640365
298.415328	288.971662	17.6	0.000037	0	0	30	0	86.509804
299.594399	287.8	17	0.00004	0	0.00001	30	0	178.013072
300.773471	288.773942	15.8	0.000189	0	0	30	0	269.51634
316.623105	292.425	15.4	0.000839	0	0.00006	30	0	361.019608
366.867604	285.678778	14.7	0.001568	0	0	30	0	397.13532
417.112103	285.208927	16.5	0.001846	0	0	30	0	357.076698
467.356601	294.280247	20.1	0.001717	0	0	30	0	317.018075
501.771495	387.6037	23.3	0.001014	0	0	30	0	276.959453
476.276254	290.087394	29.7	0.000595	0	0.00005	30	0	248.822228
450.781014	290.598467	31.2	0.000354	0	0	30	0	245.220479
425.285773	296.73878	34.1	0.000204	0	0.00002	30	0	241.618729
403.198463	337.111522	34.4	0.000178	0	0	30	0	238.01698
388.286856	291.467146	35	0.000177	0	0.00001	30	0	222.570916
373.37525	291.923152	35	0.000178	0	0.00001	30	0	192.050269
358.463643	297.388182	35.1	0.000172	0	0.00001	30	0	161.529623
349.8	311.444674	34.9	0.000222	0	0.00005	30	0	131.008977
349.8	292.225826	34.6	0.000236	0	0.00001	30	0	114.320456
349.8	292.7	34.9	0.000262	0	0.00005	30	0	109.367509
349.8	302.217218	35.4	0.000277	0	0.00001	30	0	104.414562
345.954489	311.714194	35.4	0.000247	0	0.00001	30	0	99.461615
337.807221	293.499249	35.3	0.000213	0	0	30	0	96.285173
329.659952	294	35.3	0.000181	0	0.00001	30	0	94.864045
321.512684	295.37051	35.3	0.000164	0	0.00003	30	0	93.442918
317.894321	303.772941	35.1	0.000175	0	0	30	0	92.021791
327.032952	295.633305	34.8	0.000255	0	0.00004	30	0	99.854619
336.171582	296.735	34.6	0.000383	0	0.00002	30	0	131.36572
345.310212	297.445152	34.3	0.000454	0	0.00003	30	0	162.87682
352.244392	324.564351	34.8	0.000439	0	0.00002	30	0	194.387921
330.334413	302.174165	35.8	0.00024	0	0.00001	30	0	218.552274
308.424434	301.996024	35.9	0.000157	0	0.00004	30	0	170.20743
286.514456	303.519057	36	0.00008	0	0	30	0	121.862586
264.604477	288.486921	35.5	0.000048	0	0.00003	30	0	73.517742
254.630222	299.493333	34.4	0.000026	0	0	30	0	25.172898
246.408	305.3	32.4	0.000013	0	0.00002	30	0	18.649698
238.185778	305.750153	28.5	0.000011	0	0.00001	30	0	17.137601
229.963556	280.342578	26	0.000009	0	0.00001	30	0	15.625504
230.555	295.607987	20.9	0.000011	0	0.00002	30	0	14.113407
233.055	305.816413	17.8	0.000013	0	0	30	0	35.793194
235.555	306.1	11.5	0.000019	0	0.00002	30	0	59.353403
238.055	286.96949	10.4	0.000032	0	0	30	0	82.913613
239.572372	291.814594	8.2	0.00005	0	0	30	0	106.473822
240.672616	306.407344	8.3	0.000068	0	0	30	0	115.708541
241.772861	307.041026	8.6	0.000084	0	0	30	0	119.454795
242.873105	292.360711	8.8	0.00008	0	0.00002	30	0	123.201049
243.867661	292.546774	9.1	0.000071	0	0	30	0	126.947303
244.795212	307.810008	9.1	0.000071	0	0.00001	30	0	130.52028
245.722763	308.485505	9.2	0.000077	0	0	30	0	134.025538
246.650313	293.915464	8.4	0.000081	0	0.00001	30	0	137.530796
250.176017	295.000639	6.6	0.000082	0	0	30	0	141.036054
255.273958	310.110315	4.5	0.000089	0	0	30	0	152.732791
260.371899	310.5	0	0.000108	0	0.00001	31	0	167.53664
265.469839	300.792614	0	0.000137	0	0	30	0	182.340489
268.373259	300.483235	0	0.00014	0	0.00001	30	0	197.144338
270.04761	311.497797	0.4	0.000134	0	0	31	0	202.666998

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273.396312	305.699226	1.5	0.000123	0	0	31	0	204.652109
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276.516928	313.3	2.2	0.000135	0	0	31	0	205.543889
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325.251867	315.169147	3.3	0.000424	0	0.00001	30	0	236.183781
341.76864	327.490068	4.3	0.000738	0	0.00009	30	0	251.454976
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337.064666	317.8	12.1	0.000262	0	0.00005	30	0	200.531892
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305.703534	313.25639	13.6	0.000207	0	0.00011	31	0	90.69901
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287.025683	314.618776	13.8	0.000188	0	0.00005	30	0	71.760506
280.74153	314.009565	13.6	0.000158	0	0.00002	30	0	71.254177
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266.793321	312.199371	12.5	0.000126	0	0.00004	31	0	70.138323
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261.142153	303.954682	12.7	0.000128	0	0.00005	30	0	70.667284
259.61559	297.086585	12.5	0.000132	0	0.00003	30	0	70.931764
259.264334	309.372502	12.2	0.000132	0	0.00002	30	0	71.40119
258.913078	308.571242	12.2	0.000136	0	0.00004	30	0	71.941876
258.561821	291.4392	12.1	0.000134	0	0.00001	30	0	72.482563
254.269081	303.337316	12	0.000127	0	0.00004	30	0	73.011948
249.134471	306.275742	11.7	0.000113	0	0.00002	30	0	73.289803
243.999861	304.812195	11.4	0.000105	0	0.00003	30	0	73.567658
240.073384	276.541941	10.9	0.000089	0	0.00001	30	0	73.845513
240.405441	303.733529	10.6	0.000076	0	0	30	0	82.593548
240.737497	303.129925	10	0.000069	0	0	30	0	101.948387
241.069553	297.303878	9.5	0.00007	0	0	30	0	121.303226
242.701647	277.22082	8.4	0.000075	0	0	30	0	140.658065
247.282192	300.754784	7.2	0.000085	0	0	30	0	160.782816
251.862738	300.154332	4.6	0.000102	0	0.00001	30	0	181.997348
256.443284	297.353265	3.9	0.000119	0	0	30	0	203.21188
260.16817	286.403739	2.4	0.000116	0	0	30	0	224.426412
262.711432	298.278456	1.6	0.000104	0	0.00001	30	0	224.616739
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269.599511	289.797712	1.8	0.000116	0	0	30	0	190.169176
270.918837	295.835156	1.2	0.000125	0	0	30	0	176.765537
272.238163	295.25	0	0.000128	0	0	30	0	162.629539
273.557488	290.702224	0	0.000137	0	0	30	0	148.493541
274.709397	288.23667	0	0.000143	0	0.00001	30	0	134.357543
275.702373	293.72875	0.3	0.000139	0	0	30	0	128.852564
276.69535	293.145781	1	0.000141	0	0.00001	30	0	128.615147
277.688326	290.874897	1	0.000144	0	0	30	0	128.37773
278.435826	286.952275	1	0.000142	0	0	30	0	128.140313
278.78954	291.859559	0.9	0.000138	0	0	30	0	128.107944
279.143254	291.308812	0.7	0.000137	0	0	30	0	128.371866
279.496968	289.883962	0.5	0.000141	0	0	30	0	128.635788
279.627832	286.716031	0	0.000137	0	0	30	0	128.89971
279.458422	290	0.3	0.000136	0	0.00003	30	0	128.424193
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278.568667	287.722222	0	0.000129	0	0.00003	30	0	124.465349
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277.902	287.2	0.2	0.000125	0	0.00002	30	0	121.049048
277.570835	282.181378	0.7	0.000126	0	0.00002	30	0	119.340898
277.260573	286.5	0.5	0.000131	0	0.00002	30	0	117.692857
276.95031	286.5	0	0.000127	0	0.00004	30	0	116.264286
276.640048	285.969178	0	0.000123	0	0.00003	30	0	114.835714
276.329785	282.108824	0	0.000123	0	0.00004	30	0	113.407143
276.142155	284.514963	0	0.000123	0	0.00004	30	0	111.963415
275.967548	285.2	0	0.000122	0	0.00002	30	0	109.52439
275.792941	285.2	0	0.000122	0	0.00003	30	0	107.085366
275.618334	281.241736	0	0.000121	0	0	30	0	104.646341
275.301951	283.43549	0	0.000124	0	0.00001	30	0	102.207317
274.968934	284.055668	0	0.000123	0	0	30	0	101.128571
274.635918	283.8	0	0.000124	0	0	30	0	100.17619
274.302902	281.078856	0	0.000127	0	0	30	0	99.22381
274.430498	281.710588	0	0.000127	0	0	30	0	98.271429
274.76407	283.472941	0	0.000128	0	0.00001	30	0	98.174433
275.097641	283.1	0	0.000128	0	0	30	0	98.418395
275.431213	281.739144	0	0.000127	0	0	30	0	98.662357
275.6	280.878533	0	0.000132	0	0	30	0	98.906319
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275.6	282.980645	0	0.000131	0	0	30	0	101.359124
275.6	281.680357	0	0.00013	0	0	30	0	102.818978
275.801543	280.458871	0	0.000129	0	0.00001	30	0	104.278832
276.299179	282.927356	0	0.000129	0	0	30	0	105.123716
276.796815	282.5	0	0.000131	0	0	30	0	105.368215
277.294451	282.093523	0	0.000138	0	0	30	0	105.612714
277.480524	280.695248	0	0.000136	0	0	30	0	105.857213
277.171	282.5	0	0.000134	0	0	30	0	106.59372
276.861476	282.5	0	0.000132	0	0	30	0	108.020932
276.551952	282.405208	0	0.000142	0	0	30	0	109.448145
275.890709	279.228713	0	0.000165	0	0	30	0	110.875357
273.69022	282.5	0	0.000163	0	0	30	0	114.064935
271.489731	282.5	0	0.000139	0	0	30	0	123.805195
269.289242	281.743373	0	0.000119	0	0	30	0	133.545455
267.109441	274.676507	0	0.000104	0	0	30	0	143.285714
265.124449	282.469612	0	0.000093	0	0	30	0	148.58655
263.139458	281.809001	0	0.000086	0	0	30	0	136.983424
261.154466	281.129756	0	0.000083	0	0	30	0	125.380298
259.169475	272.093361	0	0.000084	0	0	30	0	113.777173
257.989475	279.191765	0	0.000087	0	0	30	0	102.174047
256.838672	281	0	0.00009	0	0.00001	30	0	98.455985
255.687869	281	0	0.000093	0	0.00001	30	0	94.858
254.537065	271.880805	0	0.000095	0	0	30	0	91.260014
253.543629	275.823763	0	0.000095	0	0.00002	30	0	87.662029
252.591022	280.3	0	0.000095	0	0	30	0	86.203125
251.638414	280.022574	0	0.000095	0	0.00001	30	0	85.226563
250.685806	272.984898	0	0.000094	0	0	30	0	84.25
249.819809	272.848132	0	0.000094	0	0	30	0	83.273438
249.012766	279.7	0	0.000094	0	0	30	0	83
248.205723	279.7	0	0.000094	0	0	30	0	83
247.398679	273.760612	0	0.000094	0	0.00001	30	0	83
246.754745	270.623671	0	0.000093	0	0	30	0	83
246.270051	279	0	0.000093	0	0	30	0	82.823114
245.785357	279	0	0.000093	0	0	30	0	82.579805
245.300663	272.197955	0	0.000094	0	0	30	0	82.336496
244.734541	269.366601	0	0.000093	0	0	30	0	82.093187
244.11089	278.56438	0	0.000092	0	0	30	0	82
243.487239	278.821753	0	0.000093	0	0.00001	30	0	82
242.863588	273.14684	0	0.000093	0	0	30	0	82

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13:16:30.256	49.3	699
13:16:31.256	49.2	700
13:16:32.256	48.4	699
13:16:33.256	49.1	699
13:16:34.256	49.3	697
13:16:35.256	49.7	699
13:16:36.256	50.6	699
13:16:37.256	50.2	701
13:16:38.256	50	700
13:16:39.256	50.1	700
13:16:40.256	51.8	700
13:16:41.256	51.8	698
13:16:42.256	51.8	697
13:16:43.256	51.7	700
13:16:44.256	51.4	698
13:16:45.256	52.2	697

242.380886	265.647845	0	0.000092	0	0	30	0	82
242.095239	277.6	0	0.000092	0	0	30	0	82
241.809593	277.544023	0	0.000092	0	0	30	0	82
241.523947	275.789032	0	0.000091	0	0	30	0	82
241.263212	261.17452	0	0.000091	0	0	30	0	82
241.092895	276.3	0	0.00009	0	0	30	0	82
240.922579	276.3	0	0.00009	0	0	30	0	82
240.752263	276.967904	0	0.000092	0	0	30	0	82
240.568279	258.698352	0	0.000092	0	0	30	0	82
240.269027	276.3	0	0.000093	0	0	30	0	81.942259
239.969776	276.3	0	0.000092	0	0	30	0	81.686765
239.670524	274.869429	0	0.000093	0	0	30	0	81.431272
239.4	257.90602	0	0.000093	0	0	30	0	81.175779
239.4	275.500588	0	0.000093	0	0	30	0	80.921687
239.4	274.828883	0	0.000093	0	0.00001	30	0	80.670683
239.4	274.8	0	0.000093	0	0	30	0	80.419679

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