

Supplementary Information

Discrimination of domestic and imported red chili powders using laser-induced breakdown spectroscopy: variable selection and comparative evaluation of machine learning algorithms

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S1. Origins and moisture contents of red chili powder samples.

Sample no.	Country of origin	Region	Moisture content (%)	Sample no.	Country of origin	Region	Moisture content (%)
1	Korea	Jeonnam	10.85	41	Korea	*	8.88
2	Korea	*	9.91	42	Korea	*	9.29
3	Korea	Jeonbuk	9.42	43	Korea	*	9.50
4	Korea	Jeonbuk	9.63	44	Vietnam	*	7.15
5	Korea	Gyeongnam	11.22	45	Vietnam	*	8.01
6	Korea	Gyeongnam	8.04	46	Vietnam	*	5.95
7	Korea	Gyeongnam	10.04	47	China	*	9.31
8	Korea	Jeonnam	10.93	48	Vietnam	*	7.82
9	Korea	Jeonnam	8.88	49	China	*	9.29
10	Korea	Jeonnam	10.51	50	Vietnam	*	6.58
11	Korea	Gyeongbuk	9.69	51	Vietnam	*	7.18
12	Korea	Gyeongbuk	8.25	52	China	*	8.37
13	Korea	Gyeongbuk	6.33	53	Vietnam	*	7.20
14	Korea	Chungnam	8.28	54	Thailand	*	5.53
15	Korea	Gangwon	8.54	55	China	*	9.18
16	Korea	Chungnam	9.83	56	China	*	9.39
17	Korea	Jeonbuk	10.56	57	China	*	7.21

18	Korea	Chungnam	9.00	58	China	*	7.88
19	Korea	*	9.91	59	China	*	8.40
20	Korea	*	10.07	60	China	*	10.97
21	Korea	Chungnam	9.85	61	Vietnam	*	8.31
22	Korea	Chungbuk	8.88	62	China	*	7.67
23	Korea	Chungbuk	9.05	63	China	*	8.29
24	Korea	Gyeongbuk	9.89	64	China	*	9.43
25	Korea	Gyeongbuk	8.59	65	China	*	9.42
26	Korea	Gyeongbuk	9.66	66	China	*	9.75
27	Korea	Gyeongnam	9.47	67	China	*	9.64
28	Korea	Gyeongnam	9.23	68	China	*	9.28
29	Korea	Gyeongnam	11.68	69	China	*	8.73
30	Korea	Gyeonggi	9.63	70	China	*	8.84
31	Korea	*	7.97	71	China	*	9.21
32	Korea	*	9.32	72	China	*	13.29
33	Korea	*	8.27	73	China	*	5.96
34	Korea	Jeonnam	8.60	74	China	*	9.16
35	Korea	Jeonnam	9.82	75	China	*	9.55
36	Korea	Jeonnam	8.72	76	China	*	9.04
37	Korea	Jeonnam	10.12	77	China	*	8.42
38	Korea	Jeonnam	8.48	78	Vietnam	*	7.37
39	Korea	*	9.78	79	Vietnam	*	7.19
40	Korea	*	9.68				7.15

*Region unknown.

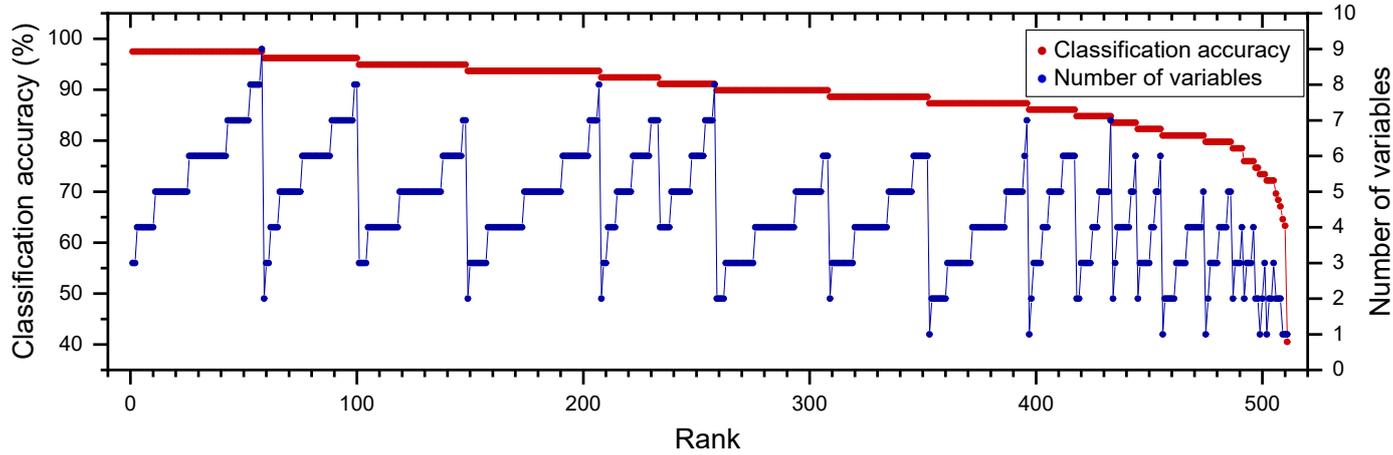
S2. Spectroscopic parameters of forty-two emission lines selected for calculating interclass distance values.

Line no.	Species	λ (nm)	A_{ki} (s^{-1})	E_i (eV)	E_k (eV)	g_i	g_k
1	C I	247.856	2.8×10^7	2.683	7.682	1	3
2	Mg I	277.983	1.36×10^8	2.711	7.168	3	3
	Mg I	277.983	4.09×10^8	2.716	7.173	7	7
3	Mg II	279.553	2.60×10^8	0.000	4.432	2	4
4	Mg II	279.800	4.79×10^8	4.432	8.860	4	6
5	Mg II	280.270	2.57×10^8	0.000	4.421	2	2
6	Mg I	285.213	4.91×10^8	0.000	4.344	1	3

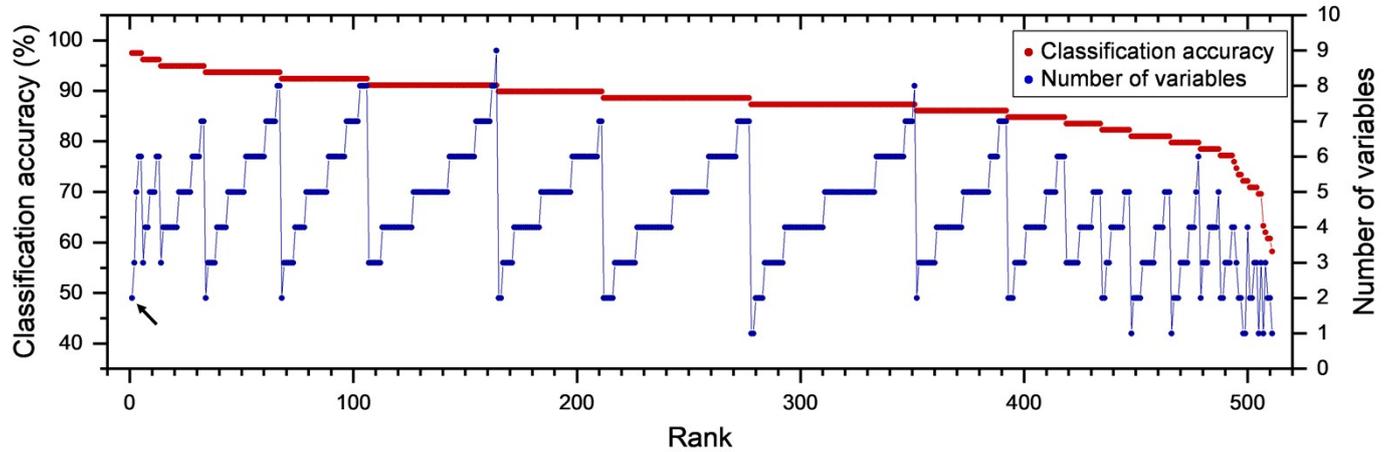
7	Mg I	383.230	1.21×10^8	2.711	5.944	3	5
8	Mg I	383.829	1.61×10^8	2.716	5.944	5	7
9	Ca II	393.366	1.47×10^8	0.000	3.150	2	4
10	Ca II	396.847	1.4×10^8	0.000	3.122	2	2
11	K I	404.414	1.15×10^6	0.000	3.064	2	4
12	K I	404.721	1.07×10^6	0.000	3.061	2	2
13	Ca I	422.673	2.18×10^8	0.000	2.931	1	3
14	Ca I	430.253	1.36×10^8	1.898	4.778	5	5
15	Ca I	443.496	6.7×10^7	1.885	4.679	3	5
16	Ca I	445.478	8.7×10^7	1.898	4.680	5	7
17	Mg I	516.732	1.13×10^7	2.708	5.106	1	3
18	Mg I	517.268	3.37×10^7	2.711	5.106	3	3
19	Mg I	518.360	5.61×10^7	2.716	5.106	5	3
20	Ca I	526.224	6.0×10^7	2.520	4.875	3	1
21	Ca I	526.556	4.4×10^7	2.522	4.875	5	3
22	Ca I	527.027	5.0×10^7	2.525	4.876	7	5
23	Ca I	558.876	4.9×10^7	2.525	4.742	7	7
24	Ca I	559.447	3.8×10^7	2.522	4.737	5	5
25	Ca I	559.849	4.3×10^7	2.520	4.734	3	3
26	Na I	589.592	6.14×10^7	0.000	2.102	2	2
27	Ca I	610.272	9.6×10^6	1.879	3.909	1	3
28	Ca I	612.222	2.87×10^7	1.885	3.909	3	3
29	Ca I	616.217	4.77×10^7	1.898	3.309	5	3
30	Ca I	616.956	1.9×10^7	2.525	4.533	7	5
31	Ca I	643.907	5.3×10^7	2.525	4.449	7	9
32	Ca I	644.981	9.0×10^6	2.520	4.441	3	5
33	Ca I	646.257	4.7×10^7	2.522	4.439	5	7
34	Ca I	647.166	5.9×10^6	2.525	4.439	7	7
35	Ca I	649.378	4.4×10^7	2.520	4.428	3	5
36	H I	656.279	4.4101×10^7	10.195	12.083		
37	Li I	670.776	3.6891×10^7	0.000	1.847	2	4
	Li I	670.791	3.6890×10^7	0.000	1.847	2	2
38	K I	691.108	2.500×10^6	1.609	3.402	2	2
39	K I	693.877	4.956×10^6	1.617	3.402	4	2
40	O I	777.194	3.69×10^7	9.143	10.737	5	7
	O I	777.417	3.69×10^7	9.143	10.737	5	5
	O I	777.539	3.69×10^7	9.143	10.736	5	3

41	Rb I	780.027	3.812×10^7	0.000	1.588	2	4
42	Rb I	794.760	3.614×10^7	0.000	1.559	2	2

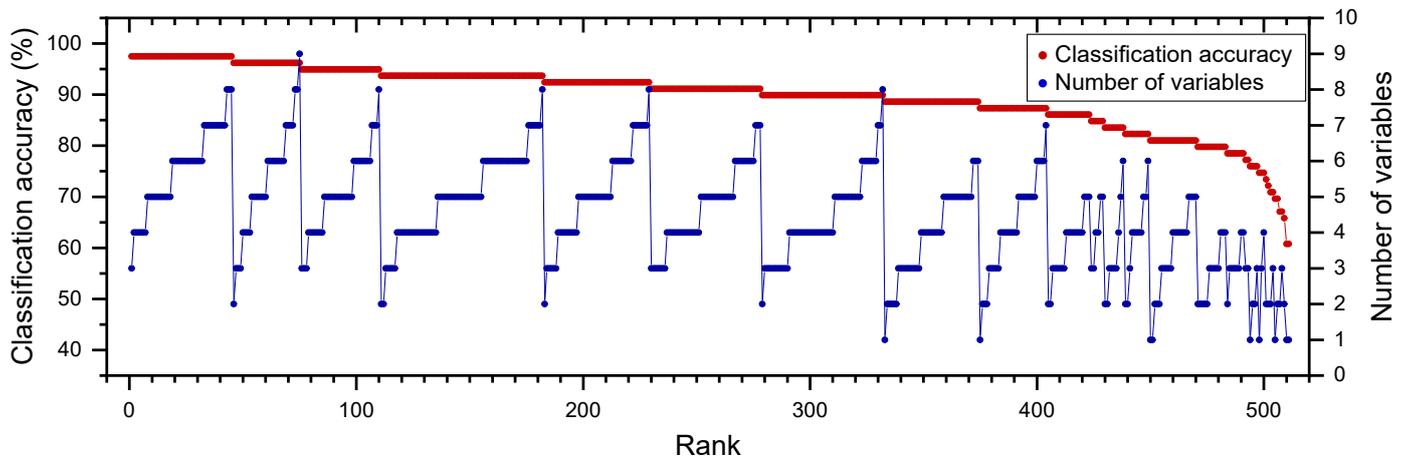
S3. Classification accuracy and the number of variables used in each LDA model, presented according to the rank based on classification accuracy. The left y-axis indicates the classification accuracy, whereas the right y-axis shows the number of variables included in each model.



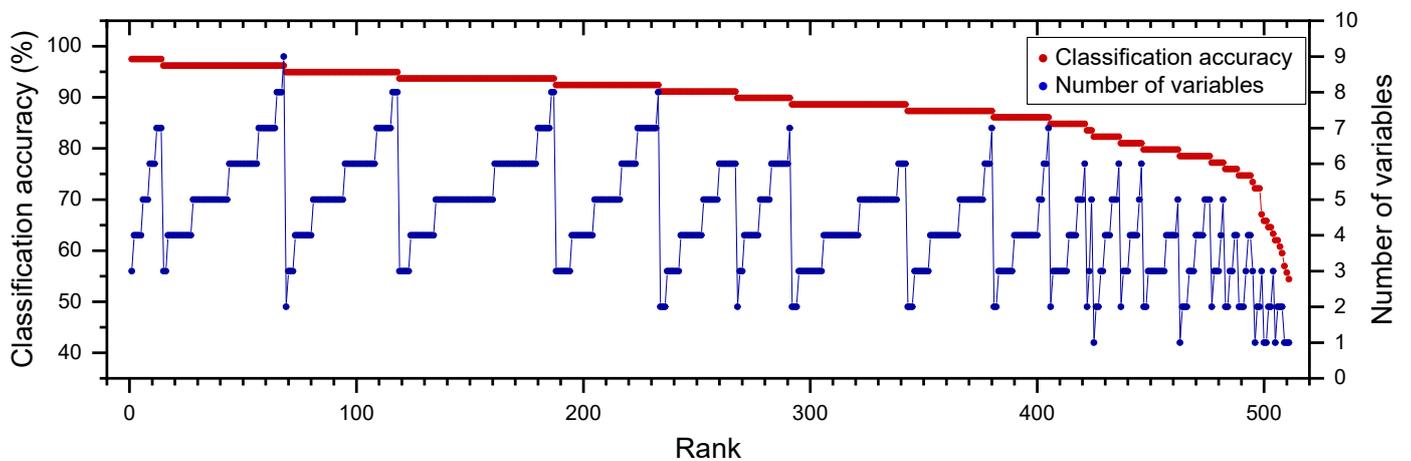
S4. Classification accuracy and the number of variables used in each NB model, presented according to the rank based on classification accuracy. The best NB model showing the highest classification accuracy with the fewest (two) variables is indicated by the arrow. The results are ranked in descending order of classification accuracy, with the left y-axis indicating accuracy and the right y-axis showing the number of variables included. The best NB model is indicated by the arrow in the plot below.



S5. Classification accuracy and the number of variables used in each SVM model, presented according to the rank based on classification accuracy. The left y-axis indicates the classification accuracy, whereas the right y-axis shows the number of variables included in each model.



S6. Classification accuracy and the number of variables used in each RF model, presented according to the rank based on classification accuracy. The left y-axis indicates the classification accuracy, whereas the right y-axis shows the number of variables included in each model.



S7. Accuracy, Precision, Recall, and F1 values of bootstrapped random-split validation (100 repetitions).

Model	Accuracy	Precision	Recall	F1
LDA	0.954 ± 0.047	0.960 ± 0.042	0.951 ± 0.049	0.953 ± 0.048
NB	0.938 ± 0.054	0.941 ± 0.052	0.938 ± 0.054	0.937 ± 0.055
k-NN	0.950 ± 0.052	0.954 ± 0.050	0.948 ± 0.053	0.949 ± 0.053
RF	0.943 ± 0.054	0.947 ± 0.053	0.942 ± 0.055	0.943 ± 0.055
SVM	0.934 ± 0.060	0.940 ± 0.057	0.932 ± 0.059	0.933 ± 0.060

S8. Intensity values of the average LIBS spectra shown in Figure 1.

λ (nm)	Domestic	Imported
185.5066	259.4496	163.5537
185.5757	299.8302	170.3944
185.6448	387.1767	279.1333
185.7139	576.4946	494.0991
185.783	354.8589	254.3454
185.8522	240.6837	139.4389
185.9213	273.014	180.6398
185.9904	384.9527	290.5778
186.0595	368.3574	282.338
186.1285	65.67054	-20.8232
186.1976	257.3388	187.1667
186.2667	453.7109	354.1843
186.3358	128.1357	68.45463
186.4049	608.0256	479.3648
186.4739	283.3116	154.8565
186.543	444.6341	321.8991
186.612	343.9124	232.1639
186.6811	466.5907	365.8583
186.7501	258.3682	121.75
186.8192	320.0752	213.0954
186.8882	468.9016	358.7435
186.9572	314.8659	203.1583
187.0262	311.0101	211.3074
187.0952	460.0868	340.6713
187.1643	414.7434	271.4315
187.2333	439.1178	335.5222
187.3023	146.9814	62.57593
187.3712	477.9457	361.3935
187.4402	230.7062	141.1528
187.5092	488.6364	359.6148
187.5782	299.7395	232.6407
187.6472	389.1605	281.3065
187.7161	311.8612	204.1713
187.7851	444.5907	308.9139
187.8541	402.3031	304.838
187.923	315.6589	208.888
187.992	453.3799	346.888
188.0609	672.8504	548.3139

188.1298	-11.7093	-100.969
188.1988	474.2651	354.3972
188.2677	304.8031	202.1722
188.3366	376.5892	279.9917
188.4055	292.6372	173.7546
188.4744	451.8977	348.0148
188.5433	307.0054	170.4852
188.6122	587.5233	488.4269
188.6811	47.19612	-76.5778
188.75	425.8628	323.8732
188.8189	299.5744	200.0074
188.8878	337.8085	213.9426
188.9566	339.1938	240.2333
189.0255	471.0442	382.2472
189.0943	353.069	205.7426
189.1632	395.4775	284.812
189.2321	508.1171	384.837
189.3009	551.4899	488.1111
189.3697	374.3357	225.3269
189.4386	284.8457	161.1454
189.5074	446.4674	310.5454
189.5762	531.6264	390.4417
189.645	490.3612	358.8833
189.7138	475.6434	360.0194
189.7826	644.6357	529.7796
189.8514	339.9837	198.3759
189.9202	351.9558	248.0972
189.989	597.6915	481.638
190.0578	277.7674	185.1982
190.1266	342.2209	211.1213
190.1953	465.2884	346.3028
190.2641	330.2543	218.9444
190.3329	275.4985	132.3259
190.4016	542.4791	402.8806
190.4704	528.3349	443.3611
190.5391	488.4527	343.9315
190.6079	403.7868	269.2509
190.6766	287.4682	186.137
190.7453	286.0442	181.2296
190.814	540.1124	394.0583

190.8828	394.8977	263.925
190.9515	448.2775	321.5963
191.0202	333.2341	230.3704
191.0889	323.1295	201.6528
191.1576	502.6961	372.5852
191.2263	648.7155	494.2306
191.295	475.1233	372.3426
191.3637	444.3031	319.3898
191.4323	323.2341	213.8361
191.501	470.9225	336.8
191.5696	446.0806	302.3028
191.6383	277.507	138.1509
191.707	564.8659	439.088
191.7756	634.9581	502.8528
191.8442	376.8147	269.713
191.9129	430.7674	261.6806
191.9815	650.1326	527.0102
192.0501	318.7775	186.2769
192.1187	714.5845	555.162
192.1874	399.631	245.5972
192.256	473.3101	355.5694
192.3246	570.3271	390.3472
192.3932	686.5481	548.087
192.4618	364.1078	262.0565
192.5303	372.3628	244.287
192.5989	588.6985	467.262
192.6675	382.3155	241.9343
192.7361	654.8923	495.4833
192.8046	594.7217	444.0444
192.8732	812.224	687.0222
192.9417	908.569	754.8528
193.0103	1800.202	1623.74
193.0788	2162.921	1968.621
193.1474	1142.195	996.2954
193.2159	1543.33	1341.106
193.2844	1111.011	967.9287
193.353	935.214	772.8148
193.4215	640.5062	456.3935
193.4899	788.5799	656.4065
193.5585	644.3209	485.4926

193.627	603.5884	462.3732
193.6955	517.4442	374.6639
193.7639	744.1923	603.6028
193.8324	576.4713	443.988
193.9009	215.0031	90.20185
193.9694	776.855	605.7917
194.0378	602.9372	422.7
194.1063	544.8279	448.4685
194.1747	616.1078	443.1065
194.2432	423.2054	259.6491
194.3116	664.6023	525.4204
194.3801	647.4326	492.9241
194.4485	467.7752	319.463
194.5169	862.5395	654.5685
194.5853	603.8419	418.9333
194.6537	423.6992	310.6806
194.7222	529.5798	380.737
194.7905	296.0047	154.1676
194.859	634.7868	493.5944
194.9273	601.4612	455.3352
194.9957	577.2907	412.3565
195.0641	657.6791	452.3972
195.1325	815.4845	655.8565
195.2008	373.8411	250.1306
195.2692	519.3434	365.2037
195.3376	560.8923	414.3065
195.4059	644.6403	528.9944
195.4742	510.0597	317.525
195.5426	615.7318	482.6963
195.6109	469.2047	290.7435
195.6793	609.9109	504.1343
195.7476	536.107	351.6185
195.8159	476.1194	337.4935
195.8842	622.2101	503.6945
195.9525	499.0961	346.4148
196.0208	492.0333	336.3602
196.0891	549.0814	382.475
196.1574	612.5132	433.6963
196.2257	716.4488	555.0917
196.294	446.524	268.5667

196.3622	614.3597	430.6648
196.4305	664.5961	559.0472
196.4988	605.938	441.8528
196.567	463.5186	292.2611
196.6352	526.9434	372.287
196.7035	382.6372	267.0917
196.7717	622.4884	469.1463
196.84	439.138	307.7824
196.9082	710.9287	567.3185
196.9764	410.6961	259.2426
197.0446	533.6295	381.3944
197.1128	623.8419	454.9204
197.181	611.914	502.6583
197.2492	603.2915	431.738
197.3174	562.6892	396.8972
197.3856	578.8031	451.3648
197.4538	326.2364	182.0472
197.522	646.1155	447.1083
197.5901	556.0814	400.7778
197.6583	627.5023	485.8991
197.7264	409.2504	240.8565
197.7946	597.6163	462.9056
197.8628	601.745	453.5194
197.9309	446.3364	273.3528
197.999	606.6256	469.4944
198.0672	422.2659	319.1269
198.1353	506.5233	341.8519
198.2034	683.6682	500.6843
198.2715	428.3519	286.1769
198.3396	692.7992	515.5704
198.4077	716.424	522.3759
198.4758	444.2574	296.6509
198.5439	488.238	352.7648
198.612	509.9504	332.2546
198.68	389.4574	290.0667
198.7481	685.955	507.987
198.8162	526.462	429.1889
198.8843	523.5636	347.0093
198.9523	650.8589	496.712
199.0203	619.1504	426.2102

199.0884	624.1736	437.6861
199.1564	815.8209	628.6769
199.2244	531.1574	377.288
199.2925	485.8124	302.1898
199.3605	520.2078	364.6787
199.4285	669.2116	524.625
199.4965	514.283	379.9083
199.5645	751.1845	539.0991
199.6325	515.5535	318.2426
199.7005	487.2581	301.0759
199.7685	664.445	499.3954
199.8365	836.6465	642.3676
199.9044	527.0651	343.6463
199.9724	596.4775	443.1602
200.0404	464.9977	352.2009
200.1083	745.7574	558.8111
200.1763	498.9481	410.013
200.2442	476.6954	315.7565
200.3122	677.7186	525.6074
200.3801	390.5527	239.5343
200.448	584.3698	479.5667
200.5159	509.2	338.9074
200.5838	471.8806	322.9685
200.6518	866.2504	713.5676
200.7197	480.862	306.2213
200.7875	694.7535	528.6065
200.8554	710.4155	529.8935
200.9233	480.3333	346.7083
200.9912	609.6605	458.0806
201.0591	377.7287	216.6046
201.1269	749.5923	577.0889
201.1948	377.0016	236.5704
201.2627	628.5403	502.4954
201.3305	466.2047	288.437
201.3984	624.3581	470.9417
201.4662	480.5287	312.9102
201.534	493.7287	347.3417
201.6018	542.4581	396.9232
201.6697	553.1054	400.0315
201.7375	590.4729	419.938

201.8053	701.1171	514.1028
201.8731	788.2264	604.0852
201.9409	647.7543	480.7056
202.0087	695.6008	503.1991
202.0765	450.6698	345.4389
202.1442	594.7411	423.687
202.212	675.6876	497.5574
202.2798	522.1892	373.5222
202.3476	533.1194	341.1102
202.4153	715.6915	541.3509
202.4831	757.4721	544.1454
202.5508	704.7814	506.5824
202.6185	836.2163	609.1
202.6863	719.3271	531.4463
202.754	607.293	391.8898
202.8217	769.2279	551.0269
202.8894	472.6271	339.863
202.9571	772.1853	597.4509
203.0248	560.562	397.187
203.0925	844.7093	661.1194
203.1602	416.0581	210.9944
203.2279	1053.901	853.8269
203.2956	589.5093	414.4324
203.3633	617.3504	450.8491
203.4309	560.093	362.8445
203.4986	718.0837	534.8509
203.5662	614.238	443.5972
203.6339	700.7744	528.1991
203.7015	588.4519	383.9556
203.7692	870.6419	672.9083
203.8368	795.3512	624.7889
203.9044	638.2923	472.3093
203.9721	630.3054	469.6056
204.0397	718.5845	532.9528
204.1073	802.6016	599.2704
204.1749	729.5372	513.8056
204.2425	530.5031	345.4028
204.3101	813.8085	636.737
204.3776	684.5349	478.7546
204.4452	882.9775	664.5102

204.5128	635.2589	469.5852
204.5803	697.845	537.5463
204.6479	739.8845	534.8259
204.7155	708.6225	497.2611
204.783	652.9047	448.4769
204.8506	689.083	537.563
204.9181	685.2039	493.8037
204.9856	909.3915	700.2491
205.0531	552.0016	400.6065
205.1207	879.5047	651.3
205.1882	791.1364	579.7056
205.2557	679.8442	477.588
205.3232	1082.164	877.5037
205.3907	507.5845	343.8287
205.4581	830.2566	594.7482
205.5256	561.4938	393.0407
205.5931	842.6806	651.7139
205.6606	783.9682	536.3843
205.728	793.0403	649.0509
205.7955	650.0209	446.9361
205.863	644.2403	455.4278
205.9304	682.4062	514.7343
205.9978	505.7767	348.3009
206.0653	728.7767	557.3056
206.1327	849.6597	620.3815
206.2001	846.0054	636.3657
206.2675	499.1705	323.8593
206.3349	861.0775	661.6083
206.4023	545.3574	387.9602
206.4697	825.5054	618.6491
206.5371	1104.66	869.9463
206.6045	664.7457	457.1824
206.6719	460.7923	284.2482
206.7393	975.3047	807.8287
206.8066	469.314	302.2157
206.874	834.5023	651.137
206.9413	1103.204	892.7519
207.0087	794.5752	596.7509
207.076	564.9868	384.6509
207.1434	791.6806	620.9148

207.2107	628.2946	440.9833
207.278	780.6287	601.412
207.3453	765.8915	610.4722
207.4126	619.4946	396.9843
207.4799	848.0434	673.925
207.5472	686.8558	455.2454
207.6146	1028.278	844.4463
207.6818	652.7171	486.5472
207.7491	600.9605	403.525
207.8164	847.2799	659.6074
207.8837	911.8566	712.3861
207.9509	611.0744	427.2407
208.0182	925.3109	703.637
208.0854	748.1775	537.1713
208.1527	720.5	560.6
208.2199	567.4566	367.6593
208.2871	782.9767	633.8861
208.3544	1310.171	1125.727
208.4216	987.2256	774.7778
208.4888	667.6612	456.0843
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208.6232	626.1543	456.0454
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208.7576	592.5674	423.4565
208.8248	660.2798	457.5028
208.892	567.738	458.687
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209.1606	888.6225	690.6565
209.2277	803.3519	621.1157
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209.6305	755.7628	577.9972
209.6976	817.2806	635.2176
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209.8318	587.5295	390.6296

209.8989	835.3512	703.6565
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210.033	729.8085	550.35
210.1001	511.876	393.7611
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210.2342	497.2884	339.413
210.3012	704.9713	524.6546
210.3682	693.2721	513.2065
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210.6364	527.8504	376.2269
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211.1723	839.8612	652.0139
211.2392	877.3884	689.6065
211.3062	883.0581	677.3556
211.3731	572.9985	424.662
211.4401	631.0287	449.575
211.507	931.5047	700.0713
211.5739	1153.743	845.0315
211.6408	895.8814	652.7
211.7078	1496.681	1161.621
211.7747	1329.671	1031.843
211.8416	1023.904	751.1556
211.9085	1087.234	813.7259
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238.137	2582.534	2043.905
238.2012	2267.718	1816.422
238.2653	1882.421	1484.156
238.3295	1972.529	1574.643
238.3937	2198.412	1742.687
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238.7784	1848.454	1453.124
238.8425	2387.688	1890.716
238.9066	2849.749	2291.111
238.9707	3229.099	2574.47
239.0348	1923.412	1519.87
239.0989	2340.822	1896.131
239.1629	2416.799	1966.085
239.227	2840.05	2245.75
239.2911	2243.543	1785.969
239.3551	2946.292	2383.567
239.4191	2163.741	1698.701
239.4832	1824.844	1417.198
239.5472	2310.907	1834.477
239.6112	2253.928	1777.304
239.6752	2303.266	1827.821
239.7392	2558.292	2024.156
239.8032	3084.274	2483.982
239.8672	2190.393	1732.623
239.9312	2710.595	2151.248
239.9951	2451.63	1958.458
240.0591	2115.209	1658.849
240.1231	3060.72	2462.199
240.187	3345.446	2680.903
240.251	2773.549	2216.319
240.3149	3383.38	2679.248
240.3788	2412.414	1907.455
240.4427	3100.978	2464.783
240.5066	2449.737	1923.263
240.5705	2949.75	2367.431
240.6345	2841.322	2236.956
240.6984	3606.329	2890.522
240.7622	2694.009	2168.479
240.8261	3008.984	2424.702
240.89	2177.357	1690.723
240.9538	2518.707	1960.672
241.0177	2582.359	2027.507
241.0815	2073.199	1626.083
241.1454	2760.885	2179.25
241.2092	3337.412	2689.43
241.273	2807.645	2227.419

241.3368	2557.019	2081.962
241.4006	2214.094	1728.414
241.4645	2427.675	1899.986
241.5282	2049.341	1624.935
241.592	3104.551	2500.156
241.6558	3257.578	2607.33
241.7196	2282.69	1788.924
241.7834	2390.619	1937.323
241.8471	3000.011	2384.395
241.9109	3508.805	2832.369
241.9746	4085.102	3282.471
242.0383	2968.734	2351.931
242.1021	2682.408	2159.125
242.1658	3285.684	2614.344
242.2295	3211.264	2584.18
242.2932	3104.674	2451.589
242.3569	2990.512	2374.18
242.4206	2254.721	1769.905
242.4843	2051.774	1640.922
242.5479	2820.074	2218.105
242.6116	1806.546	1420.627
242.6753	2930.685	2305.061
242.7389	1932.976	1516.73
242.8026	2956.474	2349.659
242.8662	3187.426	2535.247
242.9298	2944.796	2317.019
242.9935	2906.441	2318.725
243.0571	2730.785	2168.474
243.1207	2705.863	2149.025
243.1843	2705.98	2123.805
243.2479	2820.578	2254.035
243.3115	3274.108	2644.691
243.375	2733.387	2181.164
243.4386	2453.973	1991.156
243.5022	3199.048	2563.712
243.5657	2450.725	1914.56
243.6293	3073.267	2457.649
243.6928	2403.607	1891.233
243.7563	2609.129	2067.793
243.8199	2411.332	1875.235

243.8834	3165.071	2526.975
243.9469	3715.167	2974.15
244.0104	3320.621	2662.844
244.0739	3081.05	2481.131
244.1374	3148.728	2514.93
244.2008	2787.798	2167.435
244.2643	2328.922	1847.761
244.3278	2226.078	1747.845
244.3913	2783.066	2208.643
244.4547	2637.451	2062.381
244.5181	2536.077	1985.769
244.5816	2499.55	1963.945
244.645	4807.168	3910.427
244.7084	3457.794	2717.609
244.7718	2796.442	2241.084
244.8352	2462.877	1929.125
244.8986	2563.922	2041.283
244.962	3215.56	2548.34
245.0254	2290.848	1788.661
245.0888	3302.098	2626.815
245.1521	2847.8	2279.241
245.2155	3443.358	2754.035
245.2789	2637.415	2122.061
245.3422	3221.975	2565.477
245.4055	2823.791	2231.57
245.4689	2696.258	2121.434
245.5322	2912.997	2327.825
245.5955	3381.783	2708.18
245.6588	3377.255	2716.194
245.7221	3223.457	2562.291
245.7854	3629.388	2879.906
245.8487	2962.209	2312.055
245.912	3144.785	2490.913
245.9752	3441.495	2710.669
246.0385	3173.512	2512.456
246.1018	3402.889	2704.056
246.165	2724.8	2154.116
246.2282	3276.575	2579.84
246.2914	3311.353	2624.81
246.3547	3502.484	2799.856

246.4179	3094.581	2431.952
246.4811	3268.421	2599.084
246.5443	2820.787	2266.624
246.6075	3263.11	2595.786
246.6707	3520.556	2806.658
246.7338	3438.998	2735.711
246.797	4769.272	3855.26
246.8602	3556.429	2838.161
246.9233	3717.285	2938.275
246.9865	3725.026	2972.794
247.0496	3575.953	2817.663
247.1128	3652.61	2918.398
247.1758	4579.944	3695.537
247.239	3562.604	2846.631
247.3021	3983.282	3201.636
247.3652	3728.075	2989.141
247.4283	5821.015	4817.709
247.4914	4746.143	3967.661
247.5544	5278.688	4443.076
247.6175	7418.411	6221.956
247.6806	12166.06	10456.61
247.7436	26711.89	24116.41
247.8067	26650.63	24198.11
247.8697	21729.87	19453.13
247.9327	13536.22	11832.8
247.9958	10094.66	8629.019
248.0588	7725.573	6506.816
248.1218	7174.505	6032.106
248.1848	6355.26	5217.601
248.2478	5275.895	4307.917
248.3108	4354.074	3536.702
248.3738	4433.129	3565.277
248.4367	4859.04	3931.634
248.4997	3351.194	2675.939
248.5626	3753.599	3002.911
248.6256	4622.24	3759.675
248.6885	4322.161	3446.559
248.7514	3051.79	2430.164
248.8144	2826.858	2236.438
248.8773	5265.996	4239.585

248.9402	4373.009	3467.799
249.0031	4389.416	3522.277
249.066	4391.229	3518.98
249.1289	3664.869	2892.572
249.1917	3697.581	2907.245
249.2546	3347.867	2608.86
249.3175	3763.729	2997.535
249.3803	3699.362	2937.218
249.4432	3448.138	2745.397
249.506	4115.833	3286.869
249.5688	4506.756	3595.643
249.6317	2899.265	2309.333
249.6945	4425.518	3546.917
249.7573	5882.176	4731.064
249.8201	3727.673	2922.672
249.8829	5030.862	4033.071
249.9457	4411.54	3506.943
250.0084	2831.774	2193.571
250.0712	4494.847	3576.214
250.134	4568.884	3619.498
250.1967	4339.73	3436.703
250.2595	4204.864	3347.892
250.3222	3821.76	3066.188
250.3849	5080.752	4065.171
250.4476	3975.951	3182.04
250.5104	4488.47	3608.072
250.5731	4278.478	3527.053
250.6358	5545.752	4562.815
250.6985	5983.557	4911.464
250.7611	6032.733	4942.288
250.8238	6340.014	5237.799
250.8865	7240.333	5961.212
250.9491	9206.616	7615.967
251.0118	7646.426	6304.402
251.0744	9607.887	8092.005
251.1371	5831.681	4844.28
251.1997	7528.111	6228.244
251.2623	5420.736	4459.007
251.3249	5872.43	4859.728
251.3875	5082.541	4148.817

251.4501	4785.794	3995.281
251.5127	4652.779	3985.068
251.5753	5200.657	4350.119
251.6379	5432.088	4406.114
251.7004	4026.316	3220.922
251.763	4211.031	3376.594
251.8256	5509.86	4463.969
251.8881	6117.449	4910.139
251.9506	4597.148	3689.26
252.0131	3075.514	2399.148
252.0757	4469.795	3555.959
252.1382	4135.14	3246.932
252.2007	5712.846	4558.026
252.2632	4459.536	3595.412
252.3256	3887.312	3141.959
252.3881	4343.802	3488.859
252.4506	4007.505	3184.555
252.5131	4806.274	3816.54
252.5755	4689.553	3723.872
252.638	5377.967	4283.104
252.7004	3978.198	3194.549
252.7628	4281.274	3497.648
252.8252	5312.39	4266.58
252.8877	3877.484	3054.061
252.9501	3849.383	3036.861
253.0125	5646.817	4491.123
253.0749	4647.949	3673.691
253.1372	4531.612	3597.375
253.1996	3231.45	2512.806
253.262	3752.088	2903.681
253.3243	5078.602	3975.945
253.3867	5453.822	4237.428
253.4491	6038.079	4610.908
253.5114	5283.47	3968.453
253.5737	4754.796	3674.508
253.636	3370.999	2595.994
253.6984	5529.412	4349.22
253.7607	3824.52	2935.997
253.8229	5036.627	3933.282
253.8852	5295.18	4151.809

253.9475	5719.232	4511.945
254.0098	5759.272	4519.904
254.0721	4121.223	3202.234
254.1343	4251.337	3304.316
254.1966	5137.247	4048.245
254.2588	4692.147	3642.815
254.3211	4374.231	3448.786
254.3833	3960.409	3097.589
254.4455	4990.968	3939.232
254.5077	4589.942	3602.367
254.5699	4983.646	3927.466
254.6321	3274.824	2513.348
254.6943	4212.095	3299.975
254.7565	4505.904	3531.081
254.8186	5152.298	4032.594
254.8808	4466.355	3501.644
254.943	5527.78	4359.48
255.0051	5004.587	3924.52
255.0672	5296.202	4145.231
255.1294	4004.857	3104.212
255.1915	5738.573	4457.944
255.2536	4486.193	3402.355
255.3157	5458.125	4242.151
255.3778	4203.797	3210.487
255.4399	5296.559	4099.098
255.502	4974.775	3898.242
255.564	6021.122	4729.017
255.6261	4301.608	3369.367
255.6882	4950.684	3842.003
255.7502	4502.385	3517.661
255.8122	4546.295	3573.378
255.8743	5035.026	3963.687
255.9363	4959.787	3867.835
255.9983	5509.171	4302.372
256.0603	4628.11	3599.256
256.1224	4369.745	3391.019
256.1844	6427.14	5058.48
256.2463	5093.412	3978.603
256.3083	4589.365	3551.942
256.3703	5372.409	4235.261

256.4322	5150.219	4026.25
256.4942	5041.828	3931.731
256.5561	5816.478	4575.831
256.6181	4764.306	3675.133
256.68	4237.645	3307.145
256.7419	4511.88	3508.081
256.8038	6416.564	5056.617
256.8657	5812.043	4579.194
256.9276	4427.933	3442.471
256.9895	4670.547	3633.019
257.0514	3906.61	3025.632
257.1133	4983.173	3869.766
257.1751	3448.593	2669.397
257.237	4020.371	3112.533
257.2989	4507.472	3515.312
257.3607	4240.208	3319.947
257.4226	6672.209	5293.018
257.4843	5620.538	4417.444
257.5461	4543.512	3542.029
257.608	4618.612	3554.963
257.6697	5744.988	4491.522
257.7315	6721.167	5271.323
257.7933	5656.276	4484.463
257.8551	5173.65	4039.296
257.9169	4747.61	3711.681
257.9787	4288.876	3327.292
258.0404	5082.965	3973.078
258.1021	5891.693	4573.84
258.1639	4201.615	3221.677
258.2256	5086.942	3943.094
258.2873	5906.864	4614.888
258.349	4678.068	3597.022
258.4107	4562.674	3521.631
258.4724	5229.865	4046.823
258.5342	5022.581	3850.181
258.5958	6028.214	4701.15
258.6575	4850.334	3744.766
258.7192	5418.885	4191.123
258.7808	6611.753	5142.481
258.8425	4465.964	3422.564

258.9041	5304.653	4091.794
258.9657	5573.899	4257.352
259.0273	4384.109	3336.496
259.0889	5551.828	4257.892
259.1505	5746.743	4423.21
259.2121	5286.693	4068.529
259.2737	5962.264	4622.054
259.3353	5978.546	4597.154
259.3969	4681.334	3595.731
259.4585	6855.247	5315.676
259.52	6394.392	4952.032
259.5815	5999.51	4622.704
259.6431	5833.177	4495.649
259.7046	5651.556	4300.098
259.7662	4612.94	3485.086
259.8277	5668.9	4274.323
259.8892	5030.878	3804.03
259.9507	5188.109	3955.05
260.0122	5531.008	4245.701
260.0737	5878.177	4554.681
260.1351	7119.105	5504.592
260.1966	5252.436	4022.434
260.2581	5743.857	4438.773
260.3195	6123.502	4728.901
260.381	6485.688	4956.911
260.4424	6009.546	4588.423
260.5038	7021.938	5390.92
260.5653	5079.442	3857.091
260.6267	5843.952	4442.848
260.688	5435.125	4139.857
260.7494	5287.992	4019.116
260.8108	5603.474	4257.875
260.8722	5649.822	4345.011
260.9335	7151.533	5522.78
260.9949	7235.14	5572.859
261.0563	5922.56	4473.319
261.1176	6347.205	4855.572
261.179	5049.485	3824.427
261.2403	4044.344	3001.86
261.3016	7967.974	6091.826

261.3629	5265.606	3972.91
261.4242	6631.336	5121.011
261.4855	5865.016	4514.152
261.5468	5633.87	4289.038
261.6081	6113.64	4703.092
261.6693	5881.9	4431.892
261.7306	6934.663	5284.291
261.7918	7960.016	6144.988
261.8531	5785.387	4432.004
261.9143	5197.383	3928.095
261.9756	7306.782	5608.583
262.0368	4447.168	3325.386
262.098	7259.097	5600.065
262.1592	6064.929	4627.902
262.2204	6768.703	5164.721
262.2816	6421.323	4911.696
262.3427	6536.097	5015.943
262.4039	7252.952	5519.847
262.4651	6069.519	4579.549
262.5263	6651.815	5043.274
262.5874	7119.24	5440.678
262.6485	6967.216	5274.086
262.7097	6877.105	5245.436
262.7708	7325.738	5581.217
262.8319	5124.89	3812.299
262.893	5860.442	4455.971
262.9541	7418.065	5642.331
263.0152	6649.995	5009.326
263.0762	6288.206	4766.685
263.1373	6842.666	5215.053
263.1984	7551.421	5717.217
263.2594	7754.7	5921.031
263.3205	7095.102	5396.081
263.3815	7098.422	5402.967
263.4425	8474.555	6468.643
263.5036	8780.754	6624.277
263.5646	8107.609	6176.842
263.6256	6663.884	5034.356
263.6866	6902.521	5241.01
263.7476	8684.263	6625.782

263.8086	6583.602	4952.859
263.8695	7972.33	6041.79
263.9305	7553.988	5681.857
263.9914	7964.479	5996.944
264.0524	8907.667	6798.439
264.1133	9032.122	6902.671
264.1742	9707.201	7392.345
264.2352	11104.95	8424.534
264.2961	10644.67	8075.288
264.357	9010.217	6798.159
264.4179	8179.123	6196.774
264.4788	9885.646	7535.083
264.5397	11224.88	8500.699
264.6005	11698.57	8906.712
264.6614	15331.55	11763.97
264.7222	14330.4	10859.13
264.7831	14045.77	10699.01
264.8439	13738.43	10454.98
264.9048	11538.32	8683.593
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265.0264	18070.36	13473.88
265.0872	18820.9	14008.34
265.148	17304.72	12688.36
265.2087	24625.56	17891.47
265.2695	38917.89	28747.53
265.3303	34493.9	25371.16
265.3911	53523.35	40689.39
265.4518	53717.86	41405.09
265.5126	109114	87562.83
265.5733	150336.9	127817.9
265.634	196599.1	168689.4
265.6947	299426.9	255740
265.7555	440582.2	363742.1
265.8161	560208.7	443184.8
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265.9375	1948867	1595012
265.9982	1606199	1390796
266.0589	978025.8	840303.9
266.1196	311839.5	254031.1
266.1802	169548.3	132888.7

266.2409	83855.93	64133.02
266.3015	53108.02	39826.72
266.3621	55781.67	42104.84
266.4227	35216.6	26189.47
266.4833	35016.61	26124.28
266.544	24670.27	18376.3
266.6045	23097.89	17364.04
266.6651	14500.88	10822.35
266.7257	18530.8	14021.1
266.7863	18701.73	14276.61
266.8468	15774.81	11951.8
266.9074	15560.69	11846.83
266.9679	13945.96	10577.07
267.0284	12061.37	9109.335
267.089	11113.27	8436.331
267.1495	11264.5	8560.815
267.21	10077.19	7623.238
267.2705	10083.62	7628.306
267.331	10163.39	7726.613
267.3915	10377.65	7956.896
267.4519	10853.28	8318.159
267.5124	10412.58	7973.91
267.5729	6974.805	5232.631
267.6333	7145.786	5351.763
267.6937	9524.264	7216.613
267.7542	7900.581	6003.477
267.8146	9902.407	7556.393
267.875	7214.164	5443.722
267.9354	7882.674	5979.142
267.9959	9113.959	6867.123
268.0562	9786.737	7433.294
268.1166	9091.905	6891.594
268.1769	8565.382	6519.204
268.2373	8763.275	6657.787
268.2977	8442.539	6408.18
268.358	7150.467	5377.345
268.4183	8109.917	6123.179
268.4787	7856.285	5921.603
268.539	8372.317	6309.576
268.5993	6664.429	4975.794

268.6596	7192.081	5378.119
268.7199	7207.209	5381.267
268.7802	7750.011	5800.963
268.8405	7715.15	5755.011
268.9008	8215.052	6164.477
268.961	8479.069	6367.76
269.0213	6878.594	5125.476
269.0815	7000.113	5233.306
269.1417	7205.733	5393.808
269.202	9367.158	7068.075
269.2622	7002.713	5218.849
269.3224	5715.929	4226.065
269.3826	8510.529	6424.597
269.4428	8049.443	6025.781
269.503	6545.872	4905.439
269.5631	6283.161	4648.864
269.6233	5559.519	4094.845
269.6834	6547.54	4863.533
269.7436	6690.478	4952.861
269.8037	6198.016	4549.769
269.8639	7827.369	5844.735
269.924	8593.243	6474.349
269.9841	9794.647	7388.823
270.0442	9603.671	7225.716
270.1043	6040.335	4454.422
270.1644	7564.495	5603.228
270.2245	7656.933	5679.748
270.2846	7445.002	5557.044
270.3446	9165.847	6844.773
270.4047	8194.331	6111.28
270.4648	6300.781	4652.151
270.5248	6564.91	4845.152
270.5848	7220.652	5341.824
270.6448	7948.727	5901.394
270.7048	6783.063	5025.888
270.7648	6324.376	4662.07
270.8248	9176.431	6872.894
270.8848	8602.185	6425.923
270.9448	7360.549	5485.606
271.0048	7550.684	5603.294

271.0648	7167.054	5295.281
271.1247	6903.618	5110.524
271.1846	7344.856	5468.466
271.2446	6710.485	4960.169
271.3045	7339.537	5415.657
271.3644	7164.65	5303.909
271.4243	8206.181	6095.239
271.4842	8176.542	6076.719
271.5441	6488.622	4749.735
271.604	8385.52	6232.721
271.6639	8294.051	6172.424
271.7237	7393.155	5425.879
271.7836	8601.729	6396.92
271.8434	7118.401	5222.257
271.9033	6860.086	5049.558
271.9631	7720.828	5694.187
272.0229	8860.105	6593.896
272.0827	5477.586	3956.851
272.1425	8912.424	6580.361
272.2023	7137.671	5268.216
272.2621	6731.617	4938.04
272.3219	8324.456	6157.21
272.3817	7307.706	5374.396
272.4414	8117.883	6018.508
272.5011	7443.891	5515.719
272.5609	8053.667	5928.19
272.6206	7370.455	5428.905
272.6803	7082.868	5175.956
272.7401	7673.089	5631.912
272.7998	7564.659	5592.077
272.8594	6386.607	4652.036
272.9192	6835.484	5022.087
272.9789	7730.926	5704.434
273.0385	8054.198	5963.131
273.0982	7980.381	5909.326
273.1578	5668.466	4137.808
273.2175	6681.685	4911.421
273.2771	9936.025	7384.558
273.3368	8156.588	6014.888
273.3964	7463.382	5499.805

273.456	7583.628	5570.692
273.5156	7096.201	5193.578
273.5752	7725.886	5656.232
273.6348	7238.784	5256.726
273.6943	7235.889	5280.763
273.7539	6964.973	5063.284
273.8135	6639.34	4830.16
273.873	8085.513	5915.019
273.9326	7882.232	5746.873
273.9921	6425.912	4681.328
274.0516	6678.207	4858.953
274.1112	7542.364	5477.597
274.1707	6095.69	4419.857
274.2302	8508.543	6209.398
274.2896	7497.747	5440.834
274.3491	7941.16	5743.935
274.4086	6578.091	4764.395
274.4681	8056.081	5859.027
274.5275	6442.76	4598.457
274.587	6664.208	4760.567
274.6464	9853.978	7214.105
274.7058	9257.064	6807.006
274.7652	7004.044	5069.725
274.8247	6191.653	4427.611
274.884	7985.793	5758.514
274.9435	7630.733	5497.336
275.0028	7314.286	5270.168
275.0622	10326.96	7590.751
275.1216	8274.69	6032.848
275.1809	9285.071	6773.995
275.2402	7911.21	5781.499
275.2996	9123.711	6686.763
275.3589	7884.093	5745.065
275.4182	9715.985	7122.305
275.4775	7711.369	5568.249
275.5369	8926.907	6511.217
275.5962	6153.075	4361.864
275.6554	7219.609	5209.216
275.7147	9351.858	6816.067
275.774	8717.171	6365.281

275.8333	8905.241	6468.621
275.8925	8946.233	6530.785
275.9518	8802.326	6411.895
276.011	8913.067	6502.376
276.0702	8258.888	6001.513
276.1294	6319.622	4520.196
276.1886	10876.8	7960.036
276.2478	10213.97	7439.644
276.307	8576.198	6226.894
276.3662	7529.058	5456.027
276.4254	8933.293	6483.671
276.4845	9630.86	6990.114
276.5436	8701.54	6283.666
276.6028	7542.021	5386.292
276.662	9498.957	6904.791
276.7211	9900.466	7158.444
276.7802	10345.96	7516.128
276.8393	10065.93	7302.247
276.8984	8176.606	5939.405
276.9575	8860.805	6414.242
277.0166	7930.278	5695.873
277.0757	8611.409	6206.869
277.1347	8928.573	6451.708
277.1938	8845.671	6345.018
277.2528	7483.957	5365.134
277.3119	8852.134	6377.007
277.3709	11016.62	7994.181
277.4299	9283.277	6652.867
277.4889	13231.67	9544.881
277.5479	11117.39	7785.638
277.6069	12226.62	8586.429
277.6659	10145.25	7061.456
277.7249	11539.79	8016.657
277.7838	13109.16	9160.226
277.8428	12281.07	8452.312
277.9018	17925.31	12399.72
277.9607	17061.13	11951.13
278.0196	11762.19	8118.947
278.0786	12873.27	8962.713
278.1374	10142.09	7007.326

278.1964	13174.74	9123.518
278.2553	13207.42	9258.359
278.3141	12029.63	8472.729
278.373	9596.457	6711.903
278.4319	11989.17	8509.399
278.4908	11828.3	8379.688
278.5496	9770.894	6813.808
278.6084	13376.49	9405.996
278.6673	11454.77	7986.473
278.7261	12570.44	8761.819
278.7849	14003.33	9749.662
278.8437	18329.95	12721.47
278.9025	10606.76	7191.476
278.9612	19480.46	13343.48
279.0201	19194.8	13199.79
279.0788	25316.92	17517.64
279.1376	23217.6	16051.34
279.1963	29374.88	20322.22
279.2551	34957.18	24102.58
279.3138	53950.42	36907.85
279.3725	62216.99	42950.63
279.4312	104017	75987.86
279.4899	139944	106918.3
279.5487	113148.4	83944.15
279.6073	80379.36	56971.52
279.666	41051.11	28186.44
279.7247	46358.07	31676.14
279.7834	47714.82	32753.32
279.842	41190.3	28165.1
279.9006	37004.6	25278.53
279.9593	33451.69	22777.44
280.0179	31747.19	21460
280.0765	52819.19	36002.39
280.1351	69769.68	49038.49
280.1937	110145.4	81233.78
280.2523	101353.1	74437.18
280.3109	47799.88	33536.02
280.3695	35453.49	24343.33
280.428	24065.1	16269.74
280.4865	19691.73	13264.08

280.5451	19622.99	13283.64
280.6036	15730.09	10641.38
280.6622	14439.03	9808.792
280.7207	15514.39	10602.51
280.7792	13371.67	9133.575
280.8377	14272.48	9824.856
280.8962	12524.72	8608.443
280.9547	11542.43	7928.032
281.0132	12494.02	8658.061
281.0716	12996.26	9023.998
281.13	11186.14	7784.769
281.1885	10461.22	7227.895
281.2469	9463.983	6566.108
281.3053	10054.64	6974.533
281.3638	11305.73	7935.286
281.4222	10225.51	7174.405
281.4806	10070.21	7050.209
281.5389	10728.96	7562.782
281.5974	11620.31	8233.713
281.6557	10970.39	7744.538
281.7141	11626.27	8255.762
281.7724	7671.094	5328.635
281.8308	8779.346	6167.707
281.8891	8688.304	6109.469
281.9474	10015.9	7075.547
282.0057	11679.28	8249.652
282.0641	11160.59	7911.473
282.1224	10376.58	7295.939
282.1806	10009.4	7029.683
282.2389	10281.29	7266.032
282.2972	8167.041	5713.706
282.3554	13735.14	9791.347
282.4137	9696.619	6842.949
282.4719	9971.691	7023.152
282.5302	12646.54	8983.022
282.5884	12540.77	8916.965
282.6466	10361.36	7359.373
282.7048	11128.19	7908.845
282.763	8929.091	6294.594
282.8212	10533.86	7469.46

282.8794	11372.78	8060.961
282.9375	12052.45	8593.924
282.9957	10682.98	7591.008
283.0538	10358.46	7348.721
283.112	9877.395	7014.393
283.1701	11143.12	7931.23
283.2282	10375.24	7425.172
283.2864	9524.146	6801.388
283.3445	12689.6	9146.841
283.4026	8930.631	6393.522
283.4607	12870.91	9218.875
283.5187	10204.32	7323.086
283.5768	13333.82	9715.354
283.6349	12986.74	9451.557
283.6929	10042.44	7276.218
283.751	15661.18	11508.43
283.809	9861.495	7143.874
283.867	16683.8	12274.49
283.9251	15897.22	11658.66
283.983	13006.16	9447.928
284.041	10849.67	7813.959
284.099	10272.39	7418.388
284.157	10650.72	7669.281
284.2149	12776.14	9192.169
284.2729	11162.33	7983.658
284.3309	12107.39	8709.354
284.3888	13214.87	9559.508
284.4467	12044.78	8655.23
284.5046	12937.2	9303.817
284.5626	12966.82	9275.691
284.6205	10165.25	7200.056
284.6784	13326.42	9577.547
284.7362	11318.52	8073.884
284.7941	15242.59	10875.57
284.852	12584.57	8909.262
284.9098	13386.06	9383.226
284.9677	18370.77	12849.17
285.0255	26966.61	18838.71
285.0833	42440.15	31240.7
285.1412	53075.22	41259.58

285.199	40505.66	30676.61
285.2568	28990.8	20756.89
285.3146	17811.83	12290.1
285.3724	17564.87	12072.8
285.4301	13944.79	9544.125
285.4879	14514.5	10019.46
285.5457	14095.58	9795.916
285.6034	12336.85	8536.46
285.6611	15499.01	10825.18
285.7188	12413.03	8640.169
285.7766	10579.45	7345.892
285.8343	10988.12	7665.156
285.892	10678.53	7441.193
285.9497	10710.42	7468.489
286.0074	11053.86	7743.581
286.065	11686.77	8212.704
286.1227	9410.397	6560.703
286.1803	11788	8290.228
286.238	13383.02	9448.28
286.2956	13627.12	9627.734
286.3532	11849.56	8302.674
286.4109	8433.874	5837.469
286.4685	11509.24	8072.608
286.526	11586.4	8097.31
286.5837	11704.73	8231.576
286.6412	10376.11	7244.013
286.6988	11045.75	7720.74
286.7564	9583.429	6739.823
286.8139	8855.264	6167.252
286.8715	11151.35	7830.882
286.929	10496.24	7339.881
286.9865	11137.21	7826.043
287.044	11203.4	7901.321
287.1015	12481.01	8818.76
287.159	11157.74	7839.788
287.2165	11781.95	8276.92
287.274	9356.303	6539.269
287.3314	12211.4	8576.34
287.3889	8839.095	6173.989
287.4464	10911.64	7648.41

287.5038	9786.078	6812.658
287.5612	10964.02	7674.949
287.6186	13962.65	9842.923
287.676	8240.251	5688.073
287.7334	10670.05	7495.099
287.7908	9105.98	6354.987
287.8482	8557.202	5999.716
287.9056	10382.27	7322.252
287.9629	11056.04	7889.603
288.0203	10335.23	7480.059
288.0776	10726.83	8057.612
288.135	11645.68	8616.112
288.1923	9317.213	6694.789
288.2496	8996.108	6340.062
288.3069	8538.826	5992.506
288.3642	11991.07	8482.135
288.4215	10851.69	7689.487
288.4788	10859.75	7647.75
288.536	12038.49	8492.31
288.5933	11273.66	7923.66
288.6505	10105.8	7071.455
288.7078	12182.96	8558.869
288.765	10308.33	7202.447
288.8222	8010.929	5557.85
288.8795	8215.436	5707.588
288.9367	11756.59	8307.036
288.9938	11779.14	8272.181
289.051	8901.837	6177.489
289.1082	8730.117	6064.582
289.1654	11147.34	7807.852
289.2225	10964.53	7711.833
289.2796	10471.98	7390.256
289.3368	13693.23	9704.678
289.394	8864.358	6193.106
289.4511	9435.302	6623.505
289.5082	7369.329	5097.242
289.5653	10422.67	7369.564
289.6224	10642.36	7454.825
289.6794	10570.39	7400.939
289.7365	10410.64	7280.694

289.7936	11036.89	7723.556
289.8506	10332.79	7238.683
289.9077	13469.8	9492.657
289.9647	10713.81	7494.056
290.0217	9980.541	7020.531
290.0787	11155.42	7817.017
290.1357	12177.75	8616.244
290.1927	12038.4	8446.879
290.2497	12022.35	8438.42
290.3067	10314.87	7194.063
290.3637	10295.53	7193.216
290.4206	11259.8	7850.813
290.4776	9930.428	6896.605
290.5345	13924.81	9809.361
290.5914	10719.17	7507.669
290.6484	11573.65	8102.452
290.7052	10253.17	7154.185
290.7622	8864.081	6150.424
290.8191	9229.429	6390.218
290.8759	12097.67	8456.225
290.9328	15327.44	10780.09
290.9896	13894.02	9750.08
291.0465	11649.72	8123.476
291.1033	10614.06	7403.758
291.1602	11591.76	8138.668
291.217	11102.01	7764.026
291.2738	12879.28	9015.744
291.3306	12266.62	8587.799
291.3874	12347.62	8640.329
291.4442	9757.764	6735.688
291.501	11819.68	8223.051
291.5577	11387.37	7938.969
291.6145	9316.905	6436.814
291.6712	8248.548	5672.008
291.728	10850.98	7554.207
291.7847	14050.11	9810.852
291.8414	10171.66	7049.211
291.8982	9261.965	6388.444
291.9548	12899.54	8994.549
292.0115	11357.52	7915.941

292.0682	15115.06	10621.18
292.1249	9009.036	6193.346
292.1816	12590.62	8798.579
292.2382	13377.86	9394.104
292.2948	7885.573	5402.739
292.3515	10932.38	7622.794
292.4081	11599.12	8082.622
292.4647	13103.95	9176.747
292.5213	10736.06	7442.404
292.5779	10120.06	6997.464
292.6345	11641.05	8109.241
292.6911	9649.498	6609.233
292.7476	14136.88	9844.662
292.8042	12885.41	8912.144
292.8607	12131.37	8368.394
292.9173	12189.47	8427.029
292.9738	11371.16	7867.736
293.0303	15718.95	10974.67
293.0868	13064.61	9071.811
293.1433	16902.87	11731.59
293.1998	13792.54	9538.678
293.2563	11216.57	7717.273
293.3127	16069.1	11145.74
293.3692	13989.01	9651.4
293.4257	10035.08	6847.757
293.4821	13168.12	9049.76
293.5385	13212.93	9076.766
293.595	13173.53	9033.519
293.6514	13162.55	9049.055
293.7078	12589.57	8614.124
293.7642	14300.75	9873.473
293.8205	11846.28	8089.613
293.8769	10452.94	7143.243
293.9333	12498.98	8547.942
293.9896	10201.6	6947.688
294.046	11261.72	7682.197
294.1023	10361.36	7080.62
294.1586	16304.56	11250.55
294.2149	10447.39	7110.761
294.2712	14295.58	9911.8

294.3276	11501.71	7894.557
294.3838	10999.2	7545.075
294.4401	9948.573	6812.51
294.4964	13246.83	9170.498
294.5526	14015.26	9702.023
294.6089	12703.5	8769.127
294.6651	10635.74	7279.887
294.7213	9678.427	6559.923
294.7776	10936.84	7466.624
294.8338	16062.51	11136.76
294.89	12874.53	8886.519
294.9461	14105.91	9840.05
295.0023	12155.02	8398.983
295.0585	9720.748	6643.265
295.1147	13053.95	9014.021
295.1708	12684.41	8754.973
295.227	16200.63	11273.09
295.2831	13468.75	9295.472
295.3392	12629.77	8705.317
295.3953	13291.9	9112.705
295.4514	11778.56	8151.613
295.5075	12011.01	8302.331
295.5636	14821.29	10303.16
295.6197	14191.95	9832.728
295.6757	13956.72	9666.891
295.7318	13715.01	9477.612
295.7878	17266.69	11976.91
295.8439	12680.54	8771.384
295.8999	12714.47	8753.468
295.9559	14695.8	10128.14
296.0119	11169.04	7638.369
296.0679	10921.35	7502.404
296.1238	9971.737	6796.303
296.1799	9534.733	6548.397
296.2358	10213.13	7007.743
296.2918	10822.01	7439.585
296.3477	11170.04	7686.067
296.4037	11267.06	7722.494
296.4596	11217.93	7672.466
296.5155	15274.48	10568.58

296.5714	10952.11	7469.867
296.6273	16676.99	11531.28
296.6832	11624.53	7991.549
296.7391	13785.9	9521.924
296.7949	14033.73	9662.157
296.8508	11582.17	7949.718
296.9067	11005.34	7547.978
296.9625	11488.6	7850.917
297.0183	13075.04	8993.587
297.0741	13631.99	9367.252
297.1299	12731.01	8711.323
297.1857	16825.49	11556.41
297.2415	16483.19	11330.61
297.2973	14717.46	10060.13
297.3531	10115.36	6891.949
297.4088	13715.23	9503.47
297.4646	13283.51	9151.877
297.5204	12789.06	8796.241
297.5761	10575.53	7192.246
297.6317	10672.11	7285.842
297.6875	11798.71	8100.513
297.7432	12073.33	8296.044
297.7988	11937.49	8207.484
297.8546	11009.43	7499.572
297.9102	12768.3	8733.919
297.9659	13290.51	9099.847
298.0215	12621.46	8605.756
298.0772	10767.49	7281.797
298.1328	13604.23	9339.692
298.1884	10189.45	6944.029
298.2441	12776.05	8748.924
298.2996	13198.08	9085.744
298.3552	12531.62	8610.267
298.4108	15214.23	10441.09
298.4664	14033.75	9648.162
298.5219	13167.2	9044.015
298.5775	10097.64	6852.723
298.6331	12713.77	8737.281
298.6886	10605.92	7294.837
298.7441	11066.62	7611.798

298.7996	12903.8	8842.16
298.8551	13408.12	9153.668
298.9106	13896.07	9599.351
298.9661	13836.32	9504.181
299.0216	12691.61	8698.677
299.077	14040.49	9663.94
299.1325	15394.34	10645.56
299.1879	10104.32	6847.216
299.2434	10064.3	6830.578
299.2988	14518.19	9975.754
299.3542	15955.84	11003.47
299.4096	12327.55	8412.382
299.465	14877.53	10201.79
299.5204	10413.17	7102.74
299.5758	16808.39	11551.48
299.6311	16117.87	11170.24
299.6865	14945.11	10350.77
299.7418	17177.99	11850.82
299.7972	11491.89	7896.398
299.8525	11663.42	8023.069
299.9078	12986.97	8930.627
299.9631	11297.43	7729.976
300.0184	11190.57	7645.334
300.0737	13103.57	8952.439
300.129	13751.36	9359.085
300.1842	13235.3	8950.631
300.2395	13598.94	9212.968
300.2947	15864.38	10908.95
300.35	12437.29	8501.516
300.4052	12273.69	8373.469
300.4604	15092.58	10336.25
300.5156	13836.34	9504.838
300.5708	14419.09	9972.312
300.626	13235.22	9165.724
300.6812	11392.75	7830.332
300.7363	11630.08	7944.295
300.7915	12807.84	8792.209
300.8466	14825.95	10180.49
300.9018	13845.56	9469.906
300.9569	12454.02	8468.146

301.012	14044.07	9569.941
301.0671	14641.15	9947.462
301.1222	9499.222	6339.784
301.1773	12843.23	8745.849
301.2324	14972.06	10267.2
301.2875	10580.4	7185.365
301.3425	10769.6	7317.451
301.3976	13158.41	8920.561
301.4526	16311.98	11150.38
301.5076	14098.69	9666.348
301.5627	13425.66	9192.839
301.6177	17680.31	12079.41
301.6726	12557.94	8492.906
301.7277	11466.13	7761.666
301.7826	11591.75	7842.621
301.8376	14835.53	10148.1
301.8925	14167.86	9642.138
301.9475	14778.42	10052.01
302.0024	13769.82	9335.705
302.0573	13861.43	9421.341
302.1123	12274.61	8267.419
302.1672	13202	8954.845
302.2221	14894.41	10146.39
302.277	14848.01	10119.09
302.3318	13857.33	9348.357
302.3867	14130.51	9581.73
302.4416	15037.65	10265.91
302.4964	16943.56	11474.58
302.5512	15092.16	10249.89
302.6061	15149.57	10280.51
302.6609	17191.41	11725.34
302.7157	14217.52	9646.656
302.7705	12901.41	8715.614
302.8253	18200.18	12417.05
302.88	19166.23	13093.58
302.9348	13695.24	9286.835
302.9896	15274.79	10351.6
303.0443	17830.02	12169.89
303.099	16642.36	11325.23
303.1538	14941.74	10171.89

303.2085	13271.33	8958.871
303.2632	16756.79	11424.68
303.3179	17579	11988.45
303.3726	16540.75	11213.51
303.4272	16833.62	11455.12
303.4819	16966.37	11586.14
303.5366	15047.89	10260.74
303.5912	15508.12	10505.6
303.6458	14264.8	9609.231
303.7004	17349.3	11807.16
303.7551	16932.46	11512.05
303.8097	15021.26	10195.68
303.8643	13328.92	9000.072
303.9189	10967.97	7398.807
303.9734	12782.85	8641.506
304.028	14934.98	10143.18
304.0826	15416.91	10457.97
304.1371	12671.15	8558.581
304.1916	16683.1	11392.95
304.2462	13250.61	9022.106
304.3007	13159.88	8901.2
304.3551	13225.61	8927.769
304.4096	15533.76	10566.68
304.4641	12118.48	8224.689
304.5186	15832.4	10734.25
304.5731	17452.04	11854.83
304.6275	15607.94	10631.18
304.682	14495.01	9763.716
304.7364	15621.92	10629.1
304.7908	16894.52	11485.06
304.8453	14450.27	9728.623
304.8996	15705.91	10619.77
304.954	16218.22	10954.19
305.0084	18114.17	12268.43
305.0628	14180.63	9586.593
305.1171	15483.17	10452.59
305.1715	15708.52	10661.8
305.2258	13291.85	8969.782
305.2802	14036.98	9436.495
305.3345	15694.47	10611.33

305.3888	19588.57	13339.51
305.4431	15083.01	10210.6
305.4974	13637.94	9234.625
305.5517	15877.23	10749.16
305.6059	10367.3	6887.16
305.6602	12374.82	8284.444
305.7145	14453.4	9688.764
305.757	14195.56	9548.863
305.7687	14140.03	9519.772
305.8229	14216.94	9554.099
305.847	13724.74	9227.428
305.8771	13160.39	8851.251
305.9313	11272.09	7558.902
305.937	11658.98	7828.687
305.9855	15198.06	10274.42
306.027	12429.34	8344.485
306.0397	11622.54	7780.138
306.0939	14642.56	9933.495
306.1169	15177.98	10275.41
306.148	15928.2	10753.42
306.2022	12821.64	8616.342
306.2068	12813.9	8615.13
306.2564	12971.93	8749.787
306.2967	14043.04	9514.561
306.3105	14476.18	9824.327
306.3646	12950.44	8747.12
306.3867	14218.13	9638.665
306.4187	15960.07	10855.47
306.4729	13929.93	9371.823
306.4766	14284.87	9621.971
306.5269	19065.71	12977.55
306.5665	15826.37	10761.15
306.581	14698.48	9985.754
306.6351	14144.83	9572.664
306.6564	13550.02	9176.076
306.6892	12659.46	8591.659
306.7432	14765.2	9954.443
306.7463	14797.53	9981.936
306.7972	16263.01	11041.48
306.8362	16435.86	11161.57

306.8513	16312.87	11078.19
306.9053	18200.37	12308.19
306.926	17584.88	11909.65
306.9594	16612.52	11281.09
307.0133	13732.65	9247.706
307.0159	13729.71	9246.084
307.0673	14392.63	9693.494
307.1057	13653.24	9230.445
307.1213	13289.81	8997.089
307.1753	12796.78	8590.289
307.1956	13003.9	8752.133
307.2293	13171.14	8899.79
307.2832	17356.52	11690.48
307.2854	17138.4	11543.38
307.3371	13061.6	8796.524
307.3752	13802.06	9283.402
307.3911	13988.48	9397.465
307.445	13449.81	9067.699
307.465	14472	9755.762
307.4989	16472.86	11113.74
307.5528	15505.02	10508.29
307.5548	15463.76	10480.13
307.6067	13902.79	9414.73
307.6446	13982.62	9475.97
307.6606	14391.65	9752.416
307.7145	15468.68	10478.04
307.7344	16153.09	10957.07
307.7683	16586.09	11290.93
307.8221	17179.94	11700.9
307.8242	17210.68	11724.34
307.876	18935.66	12917.98
307.9139	17056.45	11568.27
307.9298	15867.78	10742.35
307.9836	14726.31	10054.16
308.0037	14389.4	9853.902
308.0375	14508.07	9999.874
308.0912	15299.18	10765.15
308.0934	15276.51	10754.26
308.145	14193.96	10127.59
308.1831	11981.02	8462.4

308.1988	11331.51	7923.419
308.2526	14394.01	9890.266
308.2729	14788.26	10126.05
308.3063	15198.3	10379.13
308.3601	15982.77	10877.09
308.3626	15853.48	10786.6
308.4138	13088.75	8876.057
308.4523	13808.46	9374.358
308.4675	14046.17	9538.692
308.5212	14114.93	9545.159
308.542	14121.97	9549.669
308.575	14131.41	9557.44
308.6286	14723.36	9972.948
308.6317	14801.3	10027.44
308.6823	16365.7	11133.58
308.7214	16357.88	11117.48
308.736	15880.58	10784.11
308.7897	12663.3	8572.413
308.811	12265.81	8307.502
308.8433	12977.35	8820.998
308.897	13831.74	9439.805
308.9007	13840.16	9443.615
308.9506	12399.8	8433.046
308.9904	14152.49	9673.587
309.0042	15100.89	10341.56
309.0578	12967.84	8949.084
309.08	13751.46	9565.782
309.1114	14893.67	10515.65
309.165	18623.11	13535.51
309.1696	18467.5	13425.14
309.2186	15922.51	11634.49
309.2592	15781.28	11427.85
309.2722	15507.74	11116.42
309.3258	13389.83	9313.498
309.3489	14327.26	9829.064
309.3792	15730.44	10748.08
309.4328	14271.59	9713.418
309.4385	14102.89	9588.468
309.4864	12588.19	8506.44
309.5281	14119.71	9537.5

309.5399	14748.03	9976.559
309.5934	14721.1	9988.405
309.6177	15470.25	10515.96
309.6469	15638.78	10618.96
309.7004	14193.53	9624.537
309.7072	14195.56	9620.795
309.7538	14731.47	9978.975
309.7968	14099.36	9534.642
309.8073	13874.22	9374.999
309.8608	14768.8	9953.512
309.8863	14819.59	9968.27
309.9142	15460.98	10404.56
309.9676	16106.26	10869.3
309.9759	16368.85	11052.09
310.0211	15995.98	10827.33
310.0654	15415.91	10422.1
310.0745	15234.91	10297.81
310.1279	12379.33	8371.794
310.1549	12472.49	8426.851
310.1813	14141.5	9548.064
310.2347	15355.58	10358.1
310.2445	15813.8	10669.95
310.288	14337.46	9690.577
310.334	12038.14	8119.575
310.3414	11969.36	8072.002
310.3948	11951.66	8049.65
310.4235	12087.17	8147.463
310.4481	11904.69	8035.483
310.5014	12134.84	8222.544
310.5129	11791.05	7987.843
310.5548	12061.73	8166.292
310.6024	13892.5	9396.447
310.6081	13849.67	9368.198
310.6613	14272.77	9649.421
310.6919	13421.95	9084
310.7146	12950.06	8769.347
310.7679	13073.82	8849.467
310.7814	12663.42	8562.768
310.8212	12531.29	8465.679
310.8708	14509.48	9813.555

310.8745	14539.21	9835.504
310.9277	14842.16	10036.11
310.9602	14779.06	9988.58
310.9809	14633.88	9896.973
311.0342	14036.37	9505.313
311.0497	14091.95	9545.113
311.0874	14559.91	9841.404
311.1391	14089.54	9483.296
311.1406	14059.06	9466.074
311.1938	14453.97	9790.129
311.2285	14594.1	9921.15
311.247	14013.25	9512.929
311.3001	11981.11	8113.412
311.3179	11261	7601.825
311.3533	11085.28	7509.685
311.4064	11293.79	7703.677
311.4073	11336.22	7729.985
311.4596	11606.05	7895.081
311.4967	12032.71	8153.437
311.5127	12327.06	8345.267
311.5658	13210.27	8916.694
311.5861	13689.46	9229.978
311.619	13331.47	9009.291
311.6721	12420.09	8414.612
311.6755	12467.58	8445.615
311.7251	13759.22	9306.897
311.7648	14451.69	9757.535
311.7782	14351.85	9688.725
311.8313	14376.59	9697.655
311.8542	14581.48	9826.882
311.8843	15313.91	10311.34
311.9374	16275.46	10936.38
311.9435	16395.8	11012.74
311.9904	15846.88	10631.32
312.0328	15573.04	10433.78
312.0434	15205.13	10200.35
312.0965	13411.5	9051.026
312.1221	12470.5	8443.83
312.1495	13870.22	9406.504
312.2025	16894.01	11474.6

312.2114	17395.86	11813.99
312.2555	15387.58	10433.08
312.3008	13240.36	8949.529
312.3085	13160.68	8896.757
312.39	12461.71	8399.181
312.4793	15501.63	10384.33
312.5686	11273.31	7554.796
312.6578	18179.87	12293.09
312.7471	15307.79	10350.99
312.8363	13232.01	8936.309
312.9256	15417.28	10385.39
313.0148	12608.29	8588.757
313.104	15413.14	10341.42
313.1932	14473.46	9794.624
313.2824	16858.62	11352.39
313.3716	14957.58	10080.46
313.4608	14020.52	9431.936
313.5499	14272.12	9620.265
313.6391	19125.46	12968.44
313.7282	14439.98	9651.169
313.8174	15070.69	10161.12
313.9065	12740.56	8638.963
313.9956	13740.56	9145.302
314.0847	15815.49	10711.15
314.1738	13815.34	9263.251
314.2629	19652.51	13446.6
314.352	14508.65	10007.33
314.4411	14560.57	9925.688
314.5301	14216.69	9583.155
314.6192	14563.65	9862.044
314.7082	14744.14	9952.423
314.7973	17878.15	11977.12
314.8862	15425	10392.15
314.9753	12977.17	8768.664
315.0643	17397.53	11747.15
315.1533	14868.05	10101.5
315.2423	14177.8	9585.112
315.3312	16615.21	11292.49
315.4202	15261.41	10271.75
315.5091	15059.39	10315.73

315.5981	13656.25	9346.623
315.687	17754.89	12417.48
315.776	22257.86	16075.18
315.8649	20661.38	15741.9
315.9538	20712.47	15233.58
316.0427	19248.51	13790.01
316.1316	12015.46	8482.857
316.2204	14723.61	10282.04
316.3093	14800.34	10148.2
316.3982	14803.73	10204.6
316.487	16751.54	11436.03
316.5759	14537.01	9881.319
316.6647	12703.13	8665.162
316.7535	19774.77	13385.91
316.8423	14643.01	9922.466
316.9312	11745.19	7983.063
317.0199	15753.05	10663.29
317.1087	18054.09	12160.09
317.1975	15581.31	10517.62
317.2862	18416.28	12466.94
317.375	13468.52	9263.719
317.4638	18699.74	12743.9
317.5525	18282.41	12487.61
317.6412	13213.13	9247.862
317.7299	16751.7	11948.68
317.8186	21342.97	16048.91
317.9073	24005.2	19416.38
317.996	19666.99	15360.61
318.0847	20165.51	15184.5
318.1733	18565.69	13642.67
318.262	20864.48	14897.74
318.3507	17977.56	12723.32
318.4393	15457.2	10755.3
318.5279	19842.2	13713.07
318.6165	16237.62	11107.16
318.7051	16187.02	11085.43
318.7937	15364.74	10412.66
318.8823	15403.47	10452.44
318.9709	19731.1	13253.94
319.0595	12811.43	8621.659

319.148	12729.89	8543.313
319.2366	16106.53	10871.23
319.3251	19220.17	12771.19
319.4137	16043.55	10727.06
319.5022	15645.64	10325.26
319.5907	12037.4	8131.16
319.6792	14737.33	9773.777
319.7677	17564.67	11627.74
319.8561	15787.67	10404.9
319.9446	14440.9	9571.885
320.0331	15046.89	9930.334
320.1215	18585.3	12333.74
320.21	15930.32	10462.72
320.2984	14389.83	9523.791
320.3868	14139.77	9302.545
320.4753	13852.1	9128.159
320.5636	17656.58	11565.09
320.652	17408.17	11476.81
320.7404	15758.24	10250.79
320.8288	15882.15	10359.94
320.9172	15468.64	10090.65
321.0055	17567.84	11484.64
321.0939	14234.3	9294.307
321.1822	14512.09	9531.974
321.2705	11252.81	7309.832
321.3588	15645.16	10221.48
321.4471	14057.41	9066.114
321.5354	18991.83	12387.59
321.6237	12950.53	8495.194
321.712	17330.65	11400.49
321.8003	15049.66	9822.345
321.8885	15094.8	9810.11
321.9768	16555.93	10747.14
322.065	19002.39	12374.21
322.1532	15609.68	10110.89
322.2415	12895.18	8370.54
322.3297	17854.65	11573.22
322.4179	13870.48	8958.16
322.5061	14947.61	9724.526
322.5942	16038.11	10374.42

322.6824	17598.61	11315.94
322.7705	16116.35	10412.77
322.8587	14777.11	9495.116
322.9469	12944.57	8345.559
323.035	21298.73	13735.53
323.1231	16701.35	10820.46
323.2112	14462.29	9291.048
323.2993	18904.05	12136.4
323.3874	16342.56	10560.62
323.4755	14143.31	9165.35
323.5635	15913.4	10207.23
323.6516	13621.27	8819.272
323.7397	16194.52	10317.64
323.8277	14776.9	9577.01
323.9157	23141.78	14826.78
324.0037	14701.6	9457.813
324.0918	14139.22	9067.843
324.1798	15855.92	10205.43
324.2678	19304.93	12324.81
324.3558	22134.3	14210.5
324.4437	21837.98	13942.76
324.5317	13615.45	8643.414
324.6197	12030.31	7555.89
324.7076	21490.66	13368.13
324.7955	15281.62	9578.221
324.8834	13034.44	8300.247
324.9713	13709.4	8877.762
325.0593	14475.35	9271.703
325.1472	12415.4	7936.942
325.2351	12961.1	8264.141
325.3229	17060.32	10917.28
325.4108	18640.6	11929.83
325.4986	18004.16	11528.65
325.5865	16996.02	10814
325.6743	19973.46	12829.43
325.7621	16107.86	10355.07
325.85	15907.78	10223.16
325.9377	17066.09	10929.44
326.0255	14458.35	9320.252
326.1133	18827.81	12067.08

326.2011	13523.02	8763.781
326.2889	15122.4	9691.862
326.3766	14503.07	9261.247
326.4644	13311.04	8478.282
326.5521	16487.41	10580.02
326.6399	16930.92	10765.93
326.7275	16041.79	10207.2
326.8153	15510.53	9865.298
326.9029	14913.13	9470.187
326.9906	13616.78	8694.183
327.0783	16041.84	10145.23
327.166	14052.13	8889.062
327.2536	15613.82	9776.971
327.3413	18346.94	11256.14
327.4289	11646.28	7373.706
327.5165	16725.81	10548.06
327.6042	19052.33	12024.54
327.6918	13966.38	8897.454
327.7794	17365.41	11016.92
327.867	15353.67	9702.318
327.9545	18025.29	11429.71
328.0421	15524.82	9805.629
328.1297	13730.16	8688.556
328.2172	9670.15	6168.436
328.3048	14040	8948.338
328.3923	17639.51	11185.36
328.4798	18606.51	11733.67
328.5673	18241.7	11685.01
328.6548	14752.19	9367.931
328.7423	14833.05	9411.477
328.8297	15908.52	10040.86
328.9172	14562.79	9194.058
329.0047	15726.15	9965.267
329.0921	13404.93	8518.638
329.1796	14399.97	9117.122
329.267	17865.01	11333.42
329.3544	13175.17	8285.753
329.4418	16576.93	10490.28
329.5292	15595.43	9896.371
329.6166	14769.5	9337.456

329.704	15577.43	9798.232
329.7914	13931.83	8844.604
329.8787	16494.28	10344.79
329.966	15625.75	9970.126
330.0534	15054.4	9512.181
330.1408	12975.05	8290.47
330.2281	16609.98	10698.22
330.3154	14364.41	9204.699
330.4027	17277.25	10944.06
330.49	17059.07	10821.82
330.5772	11678.37	7283.065
330.6645	15924.63	10084.29
330.7517	15000.75	9468.081
330.839	13327.74	8311.817
330.9262	15951.72	10059.48
331.0134	17121.08	10776.32
331.1007	16241.73	10185.71
331.1879	15011.5	9520.537
331.2751	15004.51	9279.727
331.3623	17257.76	11022.25
331.4494	20816.53	13074.44
331.5366	15564.23	9798.959
331.6238	17478.26	10958.47
331.7109	19341.26	12244.38
331.798	18524.6	11611.53
331.8852	15183.24	9586.242
331.9723	18816.43	11919.49
332.0594	15732.27	9864.046
332.1465	15740.39	9943.372
332.2336	15686.57	9860.1
332.3207	14062.09	8847.543
332.4077	13610.56	8591.618
332.4948	12275.79	7697.424
332.5819	12040.1	7600.484
332.6689	13718.8	8689.624
332.7559	14063	8932.807
332.8429	12008.71	7537.41
332.9299	15628.11	9911.831
333.0169	15491.27	9714.49
333.1039	16917.46	10662.17

333.1909	16007.23	10052.02
333.2778	16592.56	10427.84
333.3648	17321.51	10955.33
333.4518	17977.14	11311.19
333.5387	16279.47	10191.02
333.6256	13601.21	8618.414
333.7125	21904.03	13814.63
333.7994	15727.91	9948.675
333.8863	12968.92	8213.248
333.9732	15067.08	9517.961
334.0601	21299.51	13412.99
334.147	16731.29	10572.45
334.2338	14609.8	9173.556
334.3207	18172.15	11494.3
334.4075	16741.72	10550.48
334.4943	16208.07	10174.87
334.5811	19942.04	12612.33
334.6679	12624.67	8008.289
334.7547	15179.87	9526.719
334.8415	16909.19	10740.66
334.9283	16274.44	10238.81
335.0151	15488.88	9808.123
335.1018	15212.99	9541.981
335.1886	12955.8	8172.714
335.2753	15506.99	9689.161
335.362	14177.03	8881.992
335.4487	19320.64	12155.18
335.5354	15676.66	9859.924
335.6221	16149.69	10155.91
335.7088	14859.57	9490.515
335.7955	16251.58	10430.83
335.8821	19002.33	12423.33
335.9688	17928.35	11905.63
336.0555	15010.03	9897.165
336.1421	15748.69	10112.79
336.2287	15677.9	9956.118
336.3153	18131.48	11428.48
336.4019	14160	8910.857
336.4885	18887.03	11795.76
336.5751	14014.87	8832.358

336.6617	14812.75	9305.803
336.7482	19158	12013.36
336.8348	17459.17	10975.25
336.9213	18367.81	11554.68
337.0078	18788.23	11955.3
337.0943	17801.31	11349.45
337.1809	15953.31	10051.91
337.2674	17133.2	10856.15
337.3539	15402.98	9649.42
337.4403	15998.37	10079.39
337.5268	20033.71	12474.66
337.6133	19708.24	12427.25
337.6997	10816.75	6777.931
337.7861	10910.23	6914.676
337.8726	12923.6	8040.729
337.959	13820.78	8639.494
338.0454	14989.59	9374.394
338.1318	12078.46	7508.584
338.2182	15092.01	9496.295
338.3045	12917.59	8117.069
338.3909	15000.39	9349.511
338.4773	13990.6	8796.551
338.5636	16229.75	10129.32
338.65	15921.06	10079.2
338.7363	15604.82	9651.397
338.8226	21448.37	13404.13
338.9089	15908.06	9938.715
338.9952	17592.71	10937.82
339.0815	16004.69	9962.758
339.1678	18982.61	11902.66
339.254	12349.91	7662.641
339.3403	12468.89	7829.859
339.4265	14719.25	9101.719
339.5128	16486.55	10309.58
339.599	14054.86	8715.152
339.6852	16528.85	10303.18
339.7714	11802.01	7291.543
339.8576	15208.06	9474.258
339.9438	17237.94	10642.53
340.0299	18362.85	11383.83

340.1162	15710.11	9698.739
340.2023	16322.79	10170.85
340.2884	21276.51	13058.98
340.3745	13038.34	8089.572
340.4607	17576.07	10875.83
340.5468	15415.44	9560.832
340.6329	17592.62	10885.64
340.719	18473.76	11393.2
340.805	19486.68	12020.02
340.8911	13811.26	8488.455
340.9772	14575.27	9086.905
341.0632	14397.69	8855.679
341.1492	13478.77	8303.301
341.2353	15005.53	9292.956
341.3213	15897.43	9798.01
341.4073	14676.47	9053.178
341.4933	13590.06	8361.779
341.5793	16632.81	10280.84
341.6653	16473.59	10124.55
341.7513	14943.13	9253.716
341.8372	13572.5	8407.747
341.9232	14731.44	9116.146
342.0091	13830.52	8560.052
342.095	15434.93	9483.238
342.1809	19752.52	12126.43
342.2669	13845.93	8490.309
342.3527	17391.43	10681.61
342.4386	14301.43	8897.418
342.5245	17262.62	10580.26
342.6104	14936.07	9239.061
342.6962	13783.47	8479.969
342.782	14830.52	9152.694
342.8679	16070.01	9949.79
342.9537	17676.06	10882.72
343.0395	13258.37	8185.614
343.1253	15421.95	9565.813
343.2111	15606.67	9562.323
343.2969	15483.18	9554.306
343.3826	17029.2	10539.49
343.4684	16959.48	10450.38

343.5541	13228.48	8129.339
343.6399	19891.24	12333.71
343.7257	15740.55	9723.187
343.8113	11461.54	7203.931
343.8971	16713.44	10263.24
343.9828	12686.5	7918.12
344.0684	12894.69	7988.626
344.1541	13321.23	8289.83
344.2398	15015.78	9282.481
344.3254	12876.9	8007.989
344.4111	14405.53	8920.055
344.4967	16064.31	10007.87
344.5823	15980.19	10258.49
344.668	14651.55	9378.254
344.7535	16953.26	10602.26
344.8391	21616.44	13266.11
344.9248	13529.83	8351.185
345.0103	16525.94	10206.04
345.0959	16809.16	10292.75
345.1814	19861.05	12229.31
345.267	15024.92	9273.222
345.3525	22305.57	13664.1
345.438	15681.58	9661.235
345.5236	21900.78	13459.44
345.609	16411.84	10043.24
345.6946	16720.06	10264.72
345.78	16949.01	10357.85
345.8655	14675.53	9058.209
345.9509	13822.11	8482.87
346.0364	15936.81	9810.38
346.1218	16295.54	10018.23
346.2073	17008.7	10402.82
346.2927	14386.41	8902.515
346.3781	16934.51	10406.22
346.4635	15094.7	9271.506
346.5488	14480.23	8888.538
346.6342	12071.64	7329.284
346.7196	14961.3	9213.968
346.8049	13773.05	8430.388
346.8903	15516.74	9556.514

346.9756	13494.44	8245.164
347.0609	14227.86	8705.163
347.1462	17005.43	10379.45
347.2315	13430.55	8277.355
347.3168	13342.63	8084.966
347.4021	13845.68	8569.269
347.4874	16503.26	10143.23
347.5726	15545.29	9590.603
347.6579	17501.64	10692.95
347.7431	14375.17	8739.669
347.8283	10639.97	6516.019
347.9136	19412.25	11781.28
347.9988	14688.76	8969.439
348.084	14122.25	8685.083
348.1692	13810.13	8445.281
348.2543	16793.31	10246.81
348.3395	16522.63	10184.13
348.4247	13767.42	8402.606
348.5098	14398.94	8853.996
348.5949	14782.03	9074.689
348.6801	15550.48	9602.86
348.7652	14201.46	8697.509
348.8503	12150.02	7445.068
348.9354	14548.91	8945.858
349.0205	13388.2	8158.156
349.1055	15276.75	9474.057
349.1906	17596.72	10723.5
349.2756	15198.92	9326.251
349.3607	14714.54	8941.873
349.4457	16145.75	9973.726
349.5307	14086.3	8588.694
349.6157	15996.48	9814.99
349.7007	14740.49	9050.585
349.7857	15803.33	9690.785
349.8707	15164.14	9273.618
349.9557	17527.1	10780.1
350.0406	15169.21	9271.453
350.1256	12155.7	7539.418
350.2105	14259.46	8787.101
350.2954	16147.08	9896.169

350.3803	18827.63	11542.43
350.4652	13334.95	8168.713
350.5501	16125.59	9909.292
350.635	17337.95	10618.74
350.7199	17054.43	10537.81
350.8047	16230.14	9953.876
350.8896	12222.34	7581.718
350.9744	13835.1	8586.332
351.0592	14836.57	9123.615
351.144	14910.33	9176.884
351.2289	15165.3	9410.304
351.3136	14941.82	9197.2
351.3984	15568.8	9597.366
351.4833	15828.23	9828.594
351.568	13434.09	8281.671
351.6527	16171.83	10014.88
351.7375	13533.64	8432.456
351.8222	13146.24	8171.831
351.9069	12644.68	7859.076
351.9916	12371.78	7752.302
352.0764	16988.6	10525.49
352.161	16265.16	10122.36
352.2457	16015.06	9860.213
352.3304	15981.95	9990.086
352.415	15911.99	9872.541
352.4997	18924.92	11782.33
352.5843	20169.04	12503.87
352.669	16023.76	9964.531
352.7536	13684.77	8535.067
352.8382	17882.55	11234.99
352.9228	14432	9058.438
353.0074	16810.16	10560.43
353.0919	14764.45	9258.815
353.1765	15211.43	9605.369
353.2611	16070.86	9984.769
353.3456	17907.22	11256.01
353.4301	17818.83	11208.04
353.5146	16870.73	10667.49
353.5992	15235.12	9580.241
353.6837	22828.84	14301.41

353.7681	14807.16	9434.281
353.8526	18029.76	11440.24
353.9371	13792.5	8831.473
354.0216	16815.63	10665.4
354.106	16921.62	10806.01
354.1904	15902.13	10220.06
354.2748	12815.98	8311.981
354.3592	16002.53	10324.49
354.4437	15043.46	9614.318
354.5281	16945.89	10904.43
354.6124	17789.96	11406.33
354.6968	17531.56	11266.79
354.7812	17818.85	11478.95
354.8655	16716.4	10755.61
354.9499	18220.64	11636.2
355.0342	15969.91	10418.61
355.1185	14195.3	9268.75
355.2028	19819.91	12803.9
355.2871	17661	11415.53
355.3714	15477.68	10156.06
355.4557	19344.01	12544.71
355.5399	17170.54	11218.78
355.6242	16962.4	10926.17
355.7084	17838.44	11563.35
355.7927	16963.85	11146.29
355.8769	18304.48	11902.07
355.9611	15920.2	10436.94
356.0453	18890.95	12339.15
356.1295	19080.84	12331.46
356.2137	17943.78	11614.23
356.2978	19228.04	12503.33
356.382	16178.78	10540.73
356.4661	18604.92	12017.01
356.5503	16842.95	10988.78
356.6344	13237.31	8673.053
356.7185	17345.38	11192.39
356.8026	17118.51	11007.11
356.8867	19096.76	12149.94
356.9708	17644.16	11205.81
357.0549	16169.24	10283.19

357.1389	16673.86	10606.51
357.223	17796.46	11297.82
357.307	17716.54	11229.88
357.3911	20090.09	12709.99
357.475	16955.35	10871.83
357.5591	18060.49	11667.94
357.643	16477.04	10776.64
357.7271	16555.97	10904.07
357.811	20207.34	13173.93
357.895	19383.64	12968.38
357.9789	18423.64	12680.08
358.0629	17192.07	12221.45
358.1468	16708.43	12233.87
358.2307	19408.03	14446.73
358.3146	25760.2	19201.95
358.3985	21433.71	16038.17
358.4824	23581.89	17849.75
358.5663	22889.57	16645.63
358.6501	17079.95	11736.23
358.734	18087.78	12351.03
358.8179	17079	11869.65
358.9017	17736.94	12758.61
358.9855	19386.32	13877.34
359.0693	15657.25	10273.89
359.1531	16524.03	10438.67
359.2369	18355.92	11397.38
359.3207	15857.7	9764.597
359.4045	18959.28	11842.39
359.4882	16342.37	10211.13
359.572	17077.85	10711.41
359.6557	18392.74	11401.81
359.7394	14334.46	8971.793
359.8232	21554.58	13145.84
359.9069	14267.16	8910.969
359.9905	16315.75	10155.49
360.0742	15898.12	9903.216
360.1579	18197.65	11273.99
360.2416	20099.82	12461.2
360.3252	15755.9	9774.232
360.4088	14219.93	8889.938

360.4925	14250.68	8639.454
360.5761	15564.02	9607.061
360.6597	17745.82	10947.29
360.7433	13377.12	8375.269
360.8269	15634.3	9616.006
360.9105	14695.63	9101.805
360.994	17421.05	10805.05
361.0776	18955.55	11713.64
361.1611	13630.08	8396.469
361.2447	16657.04	10179.1
361.3282	12473.07	7739.626
361.4117	17100.28	10498.29
361.4952	13910.69	8550.488
361.5786	13127.84	8178.081
361.6621	12930.81	7963.497
361.7456	13244.44	8243.494
361.8291	15658.81	9570.608
361.9125	12621.04	7826.319
361.9959	12901.31	7952.171
362.0794	15947.26	9843.441
362.1628	16791.81	10319.27
362.2462	15045.79	9314.587
362.3296	16843.61	10397.54
362.4129	16958.08	10477.89
362.4963	17259.87	10602.01
362.5797	19127.38	11760.32
362.663	19672.24	12016.68
362.7463	15680.86	9720.494
362.8297	15718.25	9734.957
362.913	16288.58	10235.8
362.9963	14833.27	9423.589
363.0796	14496.36	9154.911
363.1628	13958.9	8634.448
363.2461	21456.73	13189.48
363.3294	14326.62	8774.681
363.4126	17519.5	10804.88
363.4959	16531.03	10081.38
363.5791	10706.03	6682.533
363.6623	14340.51	8805.496
363.7455	15156.13	9339.294

363.8287	13269.2	8202.625
363.9119	16317.64	10094.69
363.9951	13464.1	8323.93
364.0782	15900.11	9783.345
364.1614	16202.3	10022.9
364.2445	15351.17	9626.33
364.3276	13505.14	8680.03
364.4107	13306	8728.692
364.4939	14283.63	8895.912
364.577	16170.26	9910.855
364.6601	14602.69	8954.345
364.7431	17138.86	10446.94
364.8262	14512.8	8859.619
364.9092	13138.42	8089.8
364.9923	17544.5	10706.82
365.0753	15596.16	9552.248
365.1583	15802.06	9645.839
365.2413	16108.92	9865.761
365.3243	12076.51	7442.558
365.4073	14925.82	9161.342
365.4902	14856.64	9051.125
365.5732	15672.67	9590.155
365.6562	18651.79	11357.71
365.7391	14876.38	9174.21
365.8221	19162.2	11673.35
365.905	15460.81	9570.776
365.9879	13780.16	8428.633
366.0708	13568.87	8338.867
366.1537	13406.53	8253.011
366.2365	14056.18	8654.481
366.3194	13809.91	8420.252
366.4023	13473.78	8326.764
366.4851	14203.65	8655.971
366.5679	13362.28	8174.14
366.6507	16908.79	10290.64
366.7336	15958.83	9700.158
366.8163	13317.7	8106.486
366.8991	16373.91	10067.2
366.9819	14669.63	9083.575
367.0647	13727.26	8425.211

367.1474	17292.7	10595.79
367.2302	16909.49	10410.75
367.3129	14048.16	8666.02
367.3956	17094.53	10376.87
367.4783	15092.93	9252.543
367.561	12193.45	7564.674
367.6437	14119.25	8666.407
367.7264	21078.01	12803.56
367.8091	15592.98	9515.317
367.8917	15003.02	9193.504
367.9744	15616.58	9542.516
368.057	13505.18	8364.145
368.1396	14244.9	8763.271
368.2222	14539.2	8975.086
368.3048	14071.07	8674.684
368.3874	16825.06	10366.68
368.47	16563.95	10167.13
368.5525	13495.34	8336.533
368.6351	17938.15	10968.92
368.7177	20695	12649.77
368.8002	17267.57	10583.98
368.8827	14009.76	8680.131
368.9652	17241.3	10511.57
369.0477	20012.15	12241.94
369.1302	16793.69	10323.35
369.2127	18731.12	11489.52
369.2951	18012.67	11063.54
369.3776	16712.45	10373.52
369.4601	14707.18	9069.121
369.5425	16286.91	10088.66
369.6249	16166.72	9966.603
369.7073	16447.56	10161.66
369.7897	21297.9	12982.96
369.8721	15966.22	9874.562
369.9545	16972.78	10469.72
370.0368	15910.82	9881.183
370.1192	19039.23	11661.05
370.2015	17417.34	10777.89
370.2838	18244.66	11307.76
370.3662	17871.69	11072.73

370.4485	16044.94	10098.88
370.5308	16856.03	10991.32
370.6131	17757.96	11647.37
370.6954	14372.63	9362.228
370.7777	16765.25	10601.38
370.8599	17241.77	10966.61
370.9421	14912.63	9434.284
371.0244	14589.41	9224.098
371.1066	17134.25	10717.27
371.1888	16969.86	10621.79
371.271	17331.13	10794.25
371.3532	17127.54	10742.26
371.4353	17376.18	10760.3
371.5176	13336.34	8402.206
371.5997	16843.67	10596.63
371.6818	18905.41	11685.06
371.764	17242.77	10681.49
371.8461	17750.95	11130.7
371.9282	15617.42	9873.718
372.0103	19038.23	11925.15
372.0924	15582.94	9708.989
372.1745	17099.01	10710.98
372.2565	18217.66	11337.74
372.3386	13791.04	8651.078
372.4206	14329.84	9053.374
372.5027	18219.67	11382.24
372.5847	15888.51	9939.794
372.6667	17840.05	11261.26
372.7487	17526.94	10918.13
372.8307	20997.9	13223.8
372.9126	17353.24	10887.38
372.9946	17402.51	10957.1
373.0765	17507.67	11105.84
373.1585	16195.4	10227.33
373.2404	14704.89	9398.457
373.3223	22165.67	13886.98
373.4043	20959.57	13275.31
373.4862	20734.17	13372.26
373.5681	19030.12	12551.18
373.6499	22175.94	15434.78

373.7318	25051.3	16972.83
373.8136	19603.64	12953.85
373.8955	18605.42	12231.7
373.9773	18481.98	12085.93
374.0591	17101.11	11095.64
374.1409	17733.37	11599.27
374.2227	20856.76	13210.19
374.3045	17907.15	11552.83
374.3863	16430.14	10646.02
374.4681	23010.09	14487.39
374.5498	19925.46	12842.63
374.6315	16346.12	10522.58
374.7133	24213.57	15256.44
374.795	18339.52	11822.83
374.8767	18995.56	12063.7
374.9584	19460.3	12642.26
375.0401	21112.97	13311.89
375.1217	16005.84	10434.81
375.2034	19150.75	12314.41
375.2851	18093.11	11574.04
375.3667	18837.28	12131.92
375.4483	21783.95	13853.3
375.5299	18252.01	11765.92
375.6115	19077.79	12250.84
375.6931	17056.14	10939.58
375.7747	20361.46	13177.75
375.8563	19026.9	12274.96
375.9378	24539.16	15613.39
376.0194	18084	11747.76
376.1009	17698.44	11411.83
376.1825	19703.36	12762.19
376.264	15859.96	10405.04
376.3455	21816.08	13970.76
376.427	18483.67	12231.03
376.5084	17992.85	11501.09
376.5899	21251.88	13901.45
376.6714	16606.48	10750.76
376.7528	19584.56	13111.98
376.8342	17758.74	11658.86
376.9157	17856.01	11903.65

376.9971	18660.61	12340.02
377.0785	19026.3	12488.86
377.1599	20528.93	13634.79
377.2412	16369.9	10896.25
377.3226	18280.21	12284.67
377.404	20710.61	13714.83
377.4853	22649.52	14856.34
377.5667	20126.24	13579.53
377.648	22052.46	14398.89
377.7293	21203.12	14166.88
377.8106	16456.66	11142.47
377.8919	16899.17	11522.77
377.9732	16440.87	11269.78
378.0544	17952.32	12079.28
378.1357	26627.16	17591.94
378.2169	20967.7	13985.6
378.2982	21435.41	14604.27
378.3794	19809.14	13440.12
378.4606	18801.62	12928.5
378.5418	20137.6	13719.77
378.623	19795.74	13410.69
378.7042	24572.35	16633.76
378.7853	20690.04	14004.48
378.8665	22155.8	15240.89
378.9476	19056.28	13014.38
379.0287	24673.75	16966.35
379.1098	19322.14	13329.97
379.191	21837.83	15366.05
379.2721	20209.57	13936.1
379.3531	22993.36	16011.58
379.4342	20279.68	14201.6
379.5153	24889.51	17265.52
379.5963	25855.35	17846.85
379.6773	24558.93	16934.85
379.7584	25390.92	17489.86
379.8394	25385.47	17382.6
379.9204	21543.24	15512.71
380.0014	20387.08	14503.82
380.0824	27444.89	19392.92
380.1634	25441.92	17485.43

380.2443	26719.45	19002.68
380.3253	24360.45	16954.33
380.4062	28795.32	20265.6
380.4871	27135.94	18865.49
380.568	24978.65	18005.72
380.6489	20267.65	14830.27
380.7298	23152.45	17005.26
380.8107	25618.82	18235.86
380.8915	23911.84	17530.23
380.9724	26920.35	19218.51
381.0533	30995.2	21947.02
381.1341	26847.23	19272.91
381.2149	25600.37	18463.42
381.2957	23308.95	17479.31
381.3765	29031.37	20876.16
381.4573	24025.95	17868.18
381.5381	28622.58	20788.09
381.6188	24554.21	18089.34
381.6996	23150.36	17544.29
381.7803	27540.01	20021.61
381.8611	27448.9	20617.9
381.9418	26359.83	19333.25
382.0225	29578.79	22047.06
382.1032	24401.48	18467.89
382.1839	27536.98	20712.06
382.2646	30430.3	22298.43
382.3453	37119.94	26816.94
382.4258	26787.11	20112.11
382.5065	33434.02	24675.2
382.5871	30671.53	22735.83
382.6677	31620.15	23478.67
382.7484	40678.73	29249.52
382.8289	38150.72	28064.97
382.9096	41409.26	31079.43
382.9901	39787.63	28745.27
383.0706	43150.81	31418.08
383.1512	58192.21	42726.61
383.2317	56903.43	41433.81
383.3122	30534.86	23459.72
383.3928	37117.11	27438.02

383.4733	38826.59	28835.43
383.5537	37843.63	27748.99
383.6342	41426.36	30414.99
383.7147	61044.45	44986.63
383.7952	67408.55	50761.41
383.8756	44194.01	33219.69
383.956	37992.76	28248.78
384.0364	35592.92	26831.45
384.1168	31151	24179.87
384.1972	29962.24	23125.76
384.2776	30916.64	24206.94
384.358	32145.29	25207.65
384.4384	36473.1	27841.45
384.5187	31400.79	25252.54
384.5991	32525.53	26159.99
384.6794	37633.2	29740.44
384.7597	38331.99	30816.21
384.84	37873.38	31308.43
384.9203	42336.06	35061.23
385.0006	42202.02	36348.18
385.0808	43870.62	35671.47
385.1611	34472.42	27901.65
385.2413	47428.47	36739.22
385.3216	44093.1	36191.55
385.4018	41351.09	35451.71
385.482	37611.15	30333.85
385.5622	33946.96	27233.54
385.6424	36505.78	29253
385.7226	37398.25	29970.31
385.8027	38850.54	31375.11
385.8829	40455.83	32940.06
385.963	39991.62	33739.79
386.0432	43835.58	37938.44
386.1233	53975.58	45103.95
386.2034	38321.65	29756.15
386.2835	33312.18	25599.29
386.3636	26877.15	21624.26
386.4436	37118.57	28534.8
386.5237	38167.03	29632.47
386.6038	39862.22	31132.9

386.6838	44656.29	34984.48
386.7638	38506.84	31797.91
386.8438	41770.65	35008.53
386.9238	41625.3	36451.54
387.0038	53836.87	47997.71
387.0838	58963.88	52784.5
387.1638	36976.49	29020.67
387.2437	29267.17	21537.19
387.3237	31662.19	22948.79
387.4036	30626.55	22245.56
387.4835	30401.68	22329.64
387.5635	27590.72	21104.79
387.6433	29744.76	23051.61
387.7232	34401.97	27006.9
387.8031	42640.83	33147.5
387.883	39366.1	32351.32
387.9628	44612.02	37320.41
388.0426	49255.53	42543.42
388.1225	50934.63	46483.05
388.2023	67462.04	63093.15
388.2821	68316.15	64452.9
388.3619	29706.3	23213.77
388.4417	23426.85	15283.53
388.5215	16192.73	10506.23
388.6012	21206.62	13443.13
388.681	23933.97	15074.56
388.7607	18178.82	11577.27
388.8404	23833.13	15017.24
388.9201	23471.03	14680.67
388.9999	18273.04	11631.05
389.0795	20432.42	12794.96
389.1592	24405.03	15189.52
389.2389	23734.65	14707.56
389.3185	22498.05	14024.62
389.3982	24694.68	15369.86
389.4778	21887.38	13640.88
389.5574	19338.79	12103.14
389.637	18860.55	11893.29
389.7166	19845.33	12565.56
389.7962	23843.79	14990.33

389.8757	21051.27	13101.93
389.9553	28209	17192.01
390.0349	23755.94	14646.69
390.1144	20385.94	12814.3
390.1939	18448.74	11539.63
390.2734	19645.24	12321.31
390.3529	19702.57	12391.03
390.4324	16354.15	10453.11
390.5119	26484.53	16614.93
390.5914	24212.29	15181.85
390.6708	28051	17109.14
390.7503	21982.51	13848.1
390.8297	24598.86	15364.03
390.9092	20691.08	13075.65
390.9886	19995.06	12780.98
391.0679	20226.59	12980.25
391.1473	20122.36	12841.36
391.2267	21730.12	13753.7
391.3061	24235.91	15234.72
391.3854	26078.77	16582.06
391.4648	21977.99	14077.77
391.544	21927.57	14044.77
391.6234	30030.67	18847.24
391.7027	27226.05	17075.6
391.782	22348.47	14173.7
391.8613	24064.3	15282.51
391.9405	26644.58	16992.57
392.0198	20761.11	13561.54
392.099	35147.06	22227.91
392.1783	23662.11	15530.16
392.2575	22646.72	14802.63
392.3367	18699.33	12540.8
392.4159	21223.54	14246.6
392.4951	22296.07	15178.87
392.5742	28451.79	19177.16
392.6534	25405.32	17737.96
392.7325	32875.98	23095.64
392.8117	29362.73	21369.1
392.8908	35632.07	26577.46
392.9699	37573.39	29030.46

393.049	50582.12	40374.28
393.1281	65948.91	55650.31
393.2072	110890.8	99123.64
393.2863	219915.2	215141.9
393.3653	178739.1	177299.1
393.4443	70915.17	64756.25
393.5234	38395.49	32187.06
393.6024	36647.25	28132.18
393.6814	32825.72	23989.36
393.7604	33242.06	23119.41
393.8394	26430.38	18143.27
393.9184	27562.56	18538.33
393.9974	28956.43	19117.89
394.0763	25687.96	17042.48
394.1552	32080.42	20732.79
394.2342	25505.76	16786.27
394.313	27751.52	19377.55
394.392	20206.34	15173.12
394.4708	25002.14	16357.28
394.5497	29965.58	19077.7
394.6286	23693.72	15244.09
394.7075	25892.61	16501.1
394.7863	21796.16	13908.46
394.8651	24474.1	15677.15
394.9439	25129.68	15875.12
395.0227	21467.46	13687.54
395.1015	19176.22	12296.44
395.1803	24356.43	15444.62
395.2591	25161.67	15872.62
395.3379	26344.18	16675.59
395.4166	24684.4	15571.56
395.4953	27710.83	17345.82
395.5741	22447.15	14487.1
395.6528	24713.37	15868.33
395.7315	22324.72	14448.9
395.8102	25273.53	16174.26
395.8889	21892.96	14324.71
395.9675	26151.2	17317.29
396.0461	21467.32	16155.4
396.1248	26628.44	21800.45

396.2034	31255.69	21665.55
396.282	33046.11	22366.86
396.3606	34548.94	23750.99
396.4392	30396.15	21928.48
396.5179	40159.69	29714.68
396.5964	55566.99	42825.27
396.6749	75633.27	63966.25
396.7535	163191.2	156132.8
396.832	179769.7	175666
396.9106	68111.39	59609.37
396.989	44038.91	33562.64
397.0676	33793.33	24316.96
397.146	29308.66	20080.02
397.2245	31437.72	21110.46
397.303	29439.39	19498.32
397.3814	27753.16	18156.07
397.4599	32214.42	20418.49
397.5383	29837.06	19009.59
397.6167	27763	17643.26
397.6951	29157.96	18157.23
397.7735	28758.25	17915.12
397.8519	23078.51	14542.53
397.9302	23810.07	14661.97
398.0086	32985.79	20127.35
398.087	26263.6	16249.93
398.1653	27954.73	17206.55
398.2436	23935.69	14734.84
398.3219	23530.68	14394.35
398.4002	22699.74	14059.39
398.4785	23695.28	14601.59
398.5567	32790.11	19945.21
398.635	27105.3	16623.66
398.7133	28347.89	17264.25
398.7915	28962.99	17761.64
398.8697	29680.44	18223.14
398.9479	25847.69	16020.62
399.0261	22099.56	13599.86
399.1043	27887.46	17241.05
399.1825	23885.07	14944.49
399.2607	22146.76	13782.23

399.3388	32757.85	19804.4
399.4169	27598.73	16991.55
399.4951	25512.33	15640.66
399.5732	22893.92	14283.04
399.6513	26873.06	16608.45
399.7294	27934.61	17130.49
399.8075	29678.37	18099.24
399.8855	27621.96	16935.2
399.9635	27687.39	17076.43
400.0416	24947.38	15356.44
400.1197	24670.65	15111.69
400.1977	27713.54	16948.77
400.2757	30057.15	18290.84
400.3537	29767.86	18209.75
400.4316	30012.62	18255.8
400.5096	31561.28	19009.4
400.5876	35739.77	21210.09
400.6656	31125.13	18783.18
400.7434	35829.59	21087.77
400.8214	28653.26	17552.06
400.8993	25970.92	15600.91
400.9772	27741.21	16769.93
401.0551	27316.01	16537.19
401.133	25776.85	15440.96
401.2109	23716.68	14339.1
401.2887	26295.05	15918.86
401.3665	23172.72	14233.99
401.4444	26225.19	15804.16
401.5222	28809.24	17260.35
401.6	27163.24	16453.79
401.6778	19629.56	12033.41
401.7556	29247.16	17420.1
401.8333	26993.4	16294.93
401.9111	26920.01	16327.7
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402.0665	25366.28	15488.35
402.1443	25092.56	15310.98
402.222	26039.78	15783.04
402.2997	25043.98	15183.33
402.3773	30282.48	18176.93

402.455	30172.37	17994.03
402.5327	26845.72	16120.47
402.6103	24721.05	15249.29
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402.7656	20812.48	12780.94
402.8432	25197.58	15260.21
402.9208	26027.94	15833.84
402.9984	25457.97	15631.61
403.076	23836.6	14588.27
403.1535	27816.85	16460.26
403.2311	24475.64	15222.91
403.3086	32577.14	19521.36
403.3861	28671.74	17278.25
403.4636	28890.65	17408.93
403.5411	20119.74	12361.32
403.6186	25171.95	15353.45
403.6961	33058.18	19657.14
403.7736	21899.54	13595.48
403.851	27960.08	16856.14
403.9284	24017.5	14812.41
404.0059	28210.67	17214.87
404.0833	28006	17435.01
404.1607	28956.81	18066.74
404.2381	27291	18070.19
404.3155	45942.92	34978.57
404.3928	60354.62	47992.26
404.4702	36461.44	24931.44
404.5475	33283.68	21288.8
404.6249	46379.4	32320.22
404.7022	47653.59	35187.51
404.7795	34867.31	22306.41
404.8568	28660.14	17691.05
404.9341	29025.86	17560.13
405.0114	22762.12	14032.35
405.0886	27370.54	16635.09
405.1658	25940.46	15715.69
405.2431	28017.3	16928.92
405.3203	28493.53	17171.26
405.3975	28198.77	16883.73
405.4747	26114.66	15725.78

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405.6291	28251.18	16722.86
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405.8605	24239.14	14762.22
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406.246	26377.86	16143.76
406.3231	33333.22	19779.49
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406.4772	28988.41	17560.52
406.5542	33416.74	19981.04
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407.0161	26264.87	16028.98
407.0931	29595.6	18192.45
407.17	34465.14	20589.72
407.2469	31802.56	19315.89
407.3238	32292.75	19635.22
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408.0154	35761.78	21440.43
408.0922	30712.34	18192.41
408.169	28720.22	17117.48
408.2457	32356.15	19540.5
408.3224	33297.99	19894.5
408.3992	38654.47	22844.8
408.4759	28097.27	17033.33
408.5526	30628.01	18216.51

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409.0126	32085.21	19159.96
409.0892	35761.66	21247.5
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409.3956	32087.85	19208.07
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409.5487	31278.71	18532.34
409.6252	28886.21	17306.32
409.7018	30573.54	18118.93
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410.1607	35230.61	20512.82
410.2371	32814.37	19610.51
410.3135	29879.71	17674.2
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410.5427	31536.12	18720.44
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411.0008	32685.54	19484.93
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411.8395	29242.44	17084.39
411.9157	36215.69	20870.04
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412.0679	33839.69	19865.89
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412.3724	37611.49	21779.88
412.4485	33541.85	19360.4
412.5245	31454.56	18499.24
412.6006	29732.34	17509.48
412.6766	31044.97	17985.82
412.7527	29648.5	17503.3
412.8286	29211.35	16824.42
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412.9807	30879.85	17777.23
413.0566	32282.15	18492.41
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413.2845	26523.18	15795.28
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413.5123	31764.65	18581.71
413.5882	40181.46	22461.26
413.664	30344.41	17651.55
413.7399	29862.99	17408.89
413.8158	33088.6	18834.57
413.8916	34314.42	19763.38
413.9674	36368.67	20731.69
414.0433	32142.6	18619.59
414.1191	40473.19	22746.7
414.1949	33225.48	18958.76
414.2707	37326.99	21363.93
414.3464	32066.52	18457.49
414.4222	42194.14	23620.46
414.4979	37129.74	21394.63
414.5737	31556.06	18304.32
414.6494	41333.88	23215.5

414.7251	45913.94	25666.8
414.8008	36629.67	21050.5
414.8765	39159.42	22294.43
414.9522	35032.6	20671.96
415.0278	41957.53	24175.24
415.1035	34324.3	20837.22
415.1791	35327.51	21308.57
415.2547	31335.18	18238.9
415.3303	36189.47	20410.93
415.4059	27825.42	16567.3
415.4815	40608.56	23289.42
415.5571	34007.37	19981.82
415.6326	41365.46	23926.74
415.7082	36633.84	21696.04
415.7837	34076.79	19864.73
415.8592	33097.65	18548.86
415.9347	33625.78	18586.6
416.0102	33686.67	18834.76
416.0857	29108.09	16483.23
416.1612	29454.63	16648.97
416.2366	33461.39	18795.49
416.3121	35205.05	20039.78
416.3875	31704.73	17888.87
416.4629	37106.1	20719.19
416.5383	32978.54	19133.79
416.6137	36439.69	20944.15
416.6892	31878.12	19298.26
416.7645	30972.12	17597.92
416.8399	33035.27	18167.67
416.9152	30790.94	16928.76
416.9905	31231.72	16920.56
417.0659	32427.87	17615.7
417.1412	27090.52	14867.64
417.2165	33881.71	18430.41
417.2917	27837.34	15333.65
417.367	28624.11	15909.99
417.4423	29484.51	15984.44
417.5175	29088.25	16062.92
417.5927	37684.3	20076.84
417.668	31703.86	17625.2

417.7432	30832.95	17429.76
417.8184	33894.88	18994.91
417.8936	33753.93	19250.94
417.9687	40835.42	23232.48
418.0439	34933.11	20055.22
418.119	28930.16	15766.8
418.1942	30443.1	15999.15
418.2693	29973.34	15873.59
418.3444	31523.39	16486.65
418.4195	24618.54	13168.48
418.4946	33309.95	17433.9
418.5696	35095.54	18569.54
418.6447	32204.53	16966.4
418.7197	24366.69	13413.5
418.7948	31450.44	16423.2
418.8698	29269.84	15372.01
418.9448	31185.43	16228.69
419.0198	30262.92	15711.59
419.0948	35002.2	17867.68
419.1697	32379.85	16968.43
419.2447	29061.47	15713.27
419.3196	34226.1	18104.69
419.3946	30500.45	16678.65
419.4695	31373.83	17393.6
419.5444	32153.07	18149.07
419.6193	32900.1	19185.6
419.6942	32488.29	17751.73
419.769	28799.97	14687.39
419.8439	25386.5	12721.41
419.9187	27401.63	13919.6
419.9936	24746.44	12620.11
420.0684	29105.63	14372.66
420.1432	38525.91	18528.37
420.218	29353.16	14447.75
420.2928	29470.94	14408.72
420.3676	29651.08	14448.9
420.4423	29559.95	14499.13
420.517	25191.07	12429.14
420.5917	27786.15	13455.46
420.6665	24727.59	12304.11

420.7412	23768.48	12017.31
420.8159	28534.38	14020.43
420.8905	28109.73	13646.66
420.9652	29153.81	14203.95
421.0399	24975.13	12486.22
421.1145	25279.71	12819.87
421.1891	25552.27	12981.18
421.2637	28980.58	14914.89
421.3384	29499.98	15327.78
421.4129	33007.89	17541.12
421.4875	34539.11	19873.49
421.5621	30732.36	16854.51
421.6366	29710.26	14437.79
421.7112	27670.99	13372.9
421.7857	23579.61	11435.26
421.8602	29015.49	13707.83
421.9347	28214.57	13348.9
422.0092	30027.32	14466.13
422.0837	24485.14	12314.81
422.1581	32216.88	16240.37
422.2326	29387.09	15240.47
422.307	32649.88	17925.67
422.3814	36246.4	21237.92
422.4559	45607.7	31140.9
422.5302	89625.51	75731.05
422.6047	166261.8	164534.6
422.679	127542.9	116497.1
422.7534	55282.85	40267.31
422.8277	30402.75	18418.91
422.9021	28876.18	15299.74
422.9764	29966.82	14724.39
423.0507	28277.65	13747.9
423.125	27454.68	12730.93
423.1993	25073.56	11686.75
423.2736	27262.85	12294.7
423.3478	28211.75	12769.28
423.4221	30032.29	13111
423.4963	31700.69	14009.69
423.5705	25474.29	11506.6
423.6448	30568.88	13341.83

423.719	26252.49	11753.9
423.7931	26360.94	11633.47
423.8673	26787.53	11594.74
423.9414	32439.76	14047.08
424.0156	34571.62	14502.05
424.0897	30607.58	13117.02
424.1639	26694.85	11450.14
424.238	25369.74	11080.84
424.312	29980.56	12941.09
424.3861	30928.04	13012.58
424.4602	26848.01	11532.97
424.5343	29803.08	12715.18
424.6083	26055.29	10809.48
424.6823	36800.87	14970.8
424.7564	25842.59	10910.35
424.8304	26322.82	11072.85
424.9043	28812.37	12136.34
424.9783	22447.31	9456.985
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425.2002	29793.67	12281.11
425.2741	30009.44	12138.46
425.348	31780.34	13230.1
425.4219	31775.57	12821.01
425.4958	29318.55	11948.22
425.5697	26788.04	11375.79
425.6436	26315.64	10916.37
425.7174	29044.22	11829.81
425.7913	22573.91	9364.656
425.8651	24640.93	10206.73
425.9389	27035.47	10721.9
426.0127	24633.36	10219.25
426.0865	22822.95	9240.875
426.1603	22610.89	9226.03
426.234	25017.22	9958.827
426.3078	27485.89	11040.45
426.3815	29520.71	11654.6
426.4552	30761.54	12172.27
426.5289	22288.45	8820.942
426.6026	22129.57	8911.343

426.6763	30139.1	11820.16
426.75	23074.95	9234.891
426.8237	24536.61	9538.986
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427.0446	27326.92	10673.82
427.1182	20792.29	8040.457
427.1917	24320.22	9424.469
427.2654	24179.21	9358.714
427.3389	24669.8	9812.512
427.4125	24210.66	9157.783
427.486	33804.81	12748
427.5595	23803.95	8788.871
427.6331	23108.48	8709.298
427.7065	27167.84	10022.78
427.7801	29207.26	10917.35
427.8536	26849.58	10100.78
427.927	23768.31	9079.835
428.0004	25113.71	9679.969
428.0739	31007.55	11675.35
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428.3675	25922.99	10230.34
428.4409	24998.92	9207.943
428.5143	19140.57	7160.087
428.5876	25908.12	9732.523
428.661	29632.17	10413.93
428.7343	24266.26	8939.679
428.8076	22562.32	10120.69
428.8809	35982.16	17334.96
428.9542	29314.9	11985.77
429.0274	27273.3	9779.955
429.1007	29092.92	10693.2
429.174	27783.33	9920.169
429.2472	27648.57	10135.97
429.3204	19998.64	6963.748
429.3936	20546.2	7239.256
429.4668	22448.31	8128.53
429.54	25356.71	9096.144

429.6132	20226.3	7400.966
429.6863	24309.3	9023.052
429.7594	27991.73	11021.92
429.8326	30718.59	14589.15
429.9057	25436.83	10741.62
429.9788	25226.95	9690.815
430.0519	23155.05	9655.475
430.125	32522.38	17292.55
430.1981	46052.18	30934.57
430.2711	32070.43	16822.89
430.3442	26425.27	10010.69
430.4172	29576.16	10644.75
430.4902	30592.56	10660.96
430.5632	21767.4	8004.339
430.6362	29309.28	11709.31
430.7091	29893.64	15097.85
430.7821	30042.2	12501.61
430.8551	23629.98	8473.675
430.928	27349.21	9566.872
431.0009	23863.48	8470.784
431.0738	29670.12	10126.71
431.1468	23994.38	8366.731
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431.2925	28287.95	9430.911
431.3654	24293.68	7846.398
431.4382	26077.91	8191.62
431.511	19933.93	6223.213
431.5838	27549.29	8703.535
431.6567	25629.86	8150.938
431.7294	30086.39	11554.06
431.8022	31156.96	16063
431.875	22671.09	9295.947
431.9478	25566.74	8087.567
432.0205	25301.35	7877.539
432.0932	34402.42	10639.04
432.166	23508.98	7356.276
432.2387	26255.83	8224.213
432.3113	22441.53	7276.093
432.384	27201.58	8590.378
432.4567	20426.5	6292.74

432.5293	24250.16	7404.51
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432.6746	23964.27	7278.369
432.7472	22027.26	6681.808
432.8198	24828.6	7246.828
432.8924	28670.15	8602.944
432.965	22002.3	6529.522
433.0375	22038.46	6379.585
433.1101	23799.15	6817.858
433.1826	22985.26	6816.604
433.2551	27243.19	8043.661
433.3276	22845.62	6751.922
433.4001	25627.84	7580.636
433.4726	20529.31	6005.659
433.5451	26654.76	7652.556
433.6175	29200.25	8531.248
433.69	27592.14	8136.462
433.7624	30961.81	9229.381
433.8348	23260.13	7027.758
433.9072	26603.69	8015.851
433.9796	22029.33	6614.847
434.052	23581.76	7118.612
434.1243	20280.4	6116.519
434.1967	21011.2	6108.556
434.269	24786.22	7042.412
434.3413	22130.53	6353.831
434.4137	26306.59	7539.492
434.486	24294.07	7059.959
434.5582	18336.77	5395.774
434.6305	22437.48	6616.626
434.7028	27881.01	8262.362
434.775	23182.97	6922.304
434.8472	28392.89	8101.119
434.9195	29776.97	8675.523
434.9917	33602.91	10274.8
435.0638	28874.86	8272.409
435.1361	29382.55	8710.737
435.2083	25078.63	7470.536
435.2804	33721.93	9965.743
435.3525	24980.33	7181.649

435.4247	24725.21	7098
435.4968	26706.04	7763.117
435.5689	20700.94	6081.939
435.6409	27619.02	8096.37
435.713	31470.77	9223.856
435.7851	24430.61	7276.364
435.8571	22163.19	6619.277
435.9292	27053.08	8229.398
436.0012	27081.13	8098.946
436.0732	30134.15	9357.392
436.1452	27252.28	8197.188
436.2172	29476.57	8885.342
436.2892	27191.61	8238.757
436.3611	25457.06	7950.487
436.433	26897.03	8351.611
436.505	26284.46	7883.326
436.5769	29699.93	8698.603
436.6488	32470.49	9457.86
436.7207	29283.07	8468.796
436.7925	25881.03	7566.779
436.8644	20981.7	6107.694
436.9363	25447.06	7596.419
437.0081	26670.44	7943.856
437.0799	27435.4	8557.82
437.1518	27814.72	8233.091
437.2236	36036.44	10761.79
437.2954	33837.23	9721.086
437.3671	27590.9	7912.934
437.4389	28524.62	7899.913
437.5106	27408.51	7487.398
437.5823	27044.28	7747.77
437.6541	25813.93	7014.891
437.7258	28645.86	7912.924
437.7975	25258.78	6932.025
437.8691	26073.71	7183.648
437.9408	24518.58	6795.777
438.0125	24764.42	6919.361
438.0841	25099.07	7262.917
438.1558	23802.37	6769.219
438.2274	25975.23	7561.84

438.299	26343.93	7543.688
438.3705	31795.95	8859.681
438.4421	29494.02	7961.534
438.5137	27066.61	7460.738
438.5852	23877.28	6267.87
438.6568	26641.97	7200.175
438.7283	18979.62	5172.915
438.7998	27011.73	7369.769
438.8713	26046.2	7050.307
438.9428	27952.25	7835.777
439.0143	21855.51	5724.197
439.0857	24662.77	6778.301
439.1572	23058.58	6008.909
439.2286	24886.84	6695.719
439.3	25229.36	6901.349
439.3714	28472.44	7878.836
439.4428	28348.4	7663.469
439.5142	21365.08	5408.59
439.5855	26125.17	7095.356
439.6569	22348.89	6161.526
439.7282	24052.58	6305.648
439.7995	25995.72	6925.747
439.8708	21329.48	5381.907
439.9421	27496.72	7338.474
440.0134	21775.04	5653.979
440.0847	22031.37	5539.289
440.156	24814.64	6646.544
440.2272	24468.57	6288.624
440.2984	28023.37	7629.093
440.3696	24025.14	6458.004
440.4408	20401.98	5340.08
440.5121	25865.91	7092.868
440.5832	28078.7	7581.17
440.6544	24074.22	6396.794
440.7255	25066.19	6621.217
440.7967	27328.88	7428.668
440.8678	23976.8	6448.695
440.9389	26608.23	7275.103
441.01	21453.81	5555.119
441.0811	27469.75	7427.902

441.1521	22001.42	5777.759
441.2232	23363.09	6326.236
441.2942	30663.51	8291.757
441.3653	25727.26	6708.397
441.4363	23861.38	6369.923
441.5073	24068.4	6251.757
441.5783	30411.97	8258.219
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441.7912	25709.18	7012.027
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441.933	23003.7	6101.96
442.0039	24680.91	6638.655
442.0748	27427.92	7713.675
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442.2875	24912.83	6706.209
442.3583	26430.1	7850.592
442.4291	26283.64	10200.53
442.5	26746.85	11457.05
442.5707	26012.2	8314.835
442.6416	30705.41	8711.805
442.7123	22936.15	6300.756
442.7831	21648.22	5914.921
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442.9953	24693.7	6925.951
443.066	23045.43	6442.163
443.1367	25716.23	7100.31
443.2074	32167.45	9389.019
443.2781	28613.26	9016.275
443.3487	29197.71	11717.7
443.4193	39546.02	21519
443.49	35270.99	18170
443.5606	31596.27	11511.01
443.6312	31190.67	9230.843
443.7018	28398.29	8050.584
443.7724	30820.39	8885.972
443.8429	27920.83	7447.309
443.9135	27802.63	7498.861

443.984	32636.28	8896.336
444.0546	27691.31	7590.938
444.1251	24292.1	6251.437
444.1956	21009.16	5552.809
444.2661	24737.87	6598.004
444.3365	23533.97	6474.597
444.407	22817.63	6123.108
444.4774	23193.42	6504.073
444.5478	22639.13	6025.049
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444.759	26588.61	7337.293
444.8294	22200.74	6103.733
444.8998	26801.65	7830.99
444.9701	23265.5	6486.631
445.0405	27787.2	8122.326
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445.1811	24621.28	7705.309
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445.392	50640.76	30756.39
445.4622	45926.31	25377.37
445.5324	29144.68	13259.27
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445.6729	27141.1	8049.638
445.7431	24477.59	6984.994
445.8133	25031.42	7068.824
445.8835	26504.98	7572.738
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446.0237	24517.28	6593.136
446.0939	23679.75	6733.066
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446.2341	23067.68	6236.134
446.3042	20659	5439.534
446.3743	25120.15	6882.576
446.4443	24458.89	6430.054
446.5144	27509.56	7732.477
446.5844	22394.15	6121.572
446.6545	27533.92	7820.465
446.7245	24032.09	6518.324

446.7945	22949.91	6063.904
446.8645	22241.08	6092.116
446.9344	23362.34	6439.267
447.0044	27053.68	7734.367
447.0743	21827.54	6076.715
447.1443	21283.94	5877.804
447.2142	23122.1	6390.234
447.2841	20881.65	5718.468
447.354	23621.66	6189.781
447.4239	22507.39	6195.865
447.4937	21762.09	5975.985
447.5635	23023.76	6298.119
447.6334	17980.68	4847.912
447.7032	19205.02	5416.435
447.773	19347.28	5217.945
447.8428	22299.18	6385.013
447.9126	23642.86	6616.034
447.9824	23948.68	6823.021
448.0521	24743.64	7024.229
448.1219	25387.63	7494.265
448.1916	27332.16	7898.677
448.2613	21653.15	5927.277
448.331	20447.42	5735.495
448.4007	27280.84	7891.123
448.4704	24607	6926.255
448.54	23398.32	6580.667
448.6097	23094.19	6388.565
448.6793	21718.4	5994.654
448.749	21354.39	5744.087
448.8186	23934.73	6800.329
448.8882	26021.79	7463.91
448.9577	27524.6	7822.073
449.0273	23414.47	6445.704
449.0969	22600.98	6272.708
449.1664	24502.03	7047.694
449.2359	23490.43	6864.963
449.3054	24461.84	7012.071
449.3749	21607.4	6165.069
449.4444	16748.41	4458.441
449.5139	19715.71	5367.283

449.5833	24304.06	6573.754
449.6527	22698.6	6350.199
449.7222	21676.66	6127.721
449.7916	23839.92	6768.278
449.861	21450.93	5960.557
449.9304	20807.34	5955.843
449.9998	19737.36	5410.799
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450.1385	22466.8	6589.917
450.2078	23446.21	6699.831
450.2771	21731.49	5946.114
450.3464	19344.33	5072.169
450.4157	22161.92	6219.402
450.485	20682.4	5746.221
450.5543	22232.31	6049.022
450.6235	22375.15	6158.919
450.6928	19178.59	5133.419
450.762	19005.36	5196.896
450.8312	20028.35	5339.958
450.9004	25912.96	7340.206
450.9696	18239.07	4803.758
451.0388	19270.91	5377.197
451.1079	16997.16	4665.915
451.1771	23425.38	6575.056
451.2462	24388.56	7006.957
451.3153	21391.18	6092.881
451.3844	22625.94	6626.23
451.4535	21104.14	5913.394
451.5226	20369.93	5391.465
451.5916	15454.97	3953.973
451.6607	22510.71	6167.216
451.7297	20816.19	5644.606
451.7987	21383.77	5780.416
451.8677	23206.38	6503.716
451.9367	16766.23	4620.002
452.0057	14838.65	3939.707
452.0747	24491.9	6763.2
452.1436	21181.61	5894.32
452.2126	20482.76	5589.431
452.2815	21287.59	5956.672

452.3504	14860.68	4123.252
452.4193	13929.93	3770.347
452.4882	15040.88	4135.32
452.557	19807.88	5472.78
452.6259	18891.93	5378.319
452.6948	16315	4773.469
452.7636	14893.67	4041.831
452.8324	19239.94	5309.876
452.9012	16891.27	4771.994
452.97	16116.58	4709.123
453.0388	22122.34	6287.132
453.1075	25680.8	7241.056
453.1763	15915.54	4341.736
453.245	20747.27	5841.811
453.3137	18028.67	4827.605
453.3824	22029.65	6231.246
453.4511	18167.94	4738.445
453.5198	18624.1	5058.058
453.5884	18799.33	5047.228
453.6571	19052.81	5337.809
453.7257	21256.28	6124.671
453.7943	22384.69	6227.085
453.863	21401.23	5709.901
453.9316	27492.51	8197.375
454.0002	22440.28	6556.892
454.0687	16729.21	4503.989
454.1373	21966.36	6371.965
454.2058	22857.26	6599.378
454.2743	22624.05	6303.092
454.3429	22621.92	6294.311
454.4114	13895.73	3731.282
454.4798	16582.86	4644.203
454.5483	18827.66	5245.044
454.6168	25746.28	7453.321
454.6722	19490.28	5539.703
454.6852	18095.69	5107.132
454.7536	22809.58	6335.64
454.7539	22713.69	6313.852
454.8221	19565.55	5559.47
454.8356	19365.7	5518.651

454.8905	18901.12	5423.401
454.9172	19878.08	5794.229
454.9588	21545.96	6396.901
454.9988	21465.67	6249.372
455.0273	21539.62	6175.465
455.0804	21187.35	6330.533
455.0956	21177	6395.799
455.1621	20071.51	5802.999
455.1639	20098.67	5796.528
455.2323	19857.5	5765.18
455.2437	20114.79	5865.671
455.3006	21877.63	6520.546
455.3252	22206.41	6661.795
455.3689	22930.22	6907.824
455.4068	21344.09	6311.172
455.4372	20248.36	5899.97
455.4884	18003.98	5159.609
455.5055	17335.91	4924.622
455.5699	21036.06	6088.442
455.5738	21310.69	6167.23
455.642	16424.41	4773.013
455.6515	16253.25	4721.964
455.7102	15531.18	4470.258
455.733	15459.89	4406.243
455.7784	15448.79	4300.976
455.8145	15743.07	4478.861
455.8467	16083.22	4644.763
455.896	16851.57	4974.276
455.9148	17211.66	5120.985
455.9775	16078.06	4791.963
455.983	16031.01	4772.62
456.0512	18232.8	5177.125
456.059	17977.65	5110.09
456.1194	16258.7	4625.186
456.1404	16426.04	4763.523
456.1875	16992.38	5083.208
456.2219	18188.89	5477.008
456.2556	19555.66	5957.969
456.3033	22366.96	6741.609
456.3237	23597.81	7049.102

456.3847	19896.22	6066.394
456.3918	19525.28	5973.611
456.4599	16973.68	5182.092
456.4662	16753.15	5134.594
456.528	15057.81	4704.103
456.5476	16016.57	4984.092
456.5961	18546.69	5740.104
456.629	16583.8	5092.669
456.6641	14504.49	4362.722
456.7103	15218.44	4690.472
456.7322	15649.25	4892.547
456.7917	17877.12	5615.599
456.8002	18214.15	5709.102
456.8681	12424.69	3754.372
456.8731	13020.42	3961.109
456.9361	20928.21	6693.699
456.9544	20238.31	6445.831
457.0041	18572.66	5775.42
457.0357	17147.62	5310.679
457.0721	15657.59	4847.967
457.117	15166.15	4782.524
457.14	14876.94	4698.465
457.1983	15344.79	4715.805
457.208	15509.13	4756.056
457.2759	19611.64	6241.478
457.2796	19711.36	6295.02
457.3438	22070.77	7271.956
457.3609	21290.67	6946.594
457.4117	19383.59	6155.583
457.4422	18173.86	5835.12
457.4796	16586.08	5368.462
457.5235	15548.87	5026.693
457.5474	15185.65	4916.573
457.6047	14606.84	4931.189
457.6152	14493.61	4908.93
457.6831	15794.75	5268.566
457.6859	15798.56	5278.132
457.7509	16556.19	5705.594
457.7671	16558.2	5720.366
457.8187	16810.4	5811.514

457.8484	17671.55	6045.587
457.8865	18585.02	6245.238
457.9295	15892.79	5375.025
457.9543	14508.89	4919.323
458.0107	15196.38	5197.573
458.0221	15322.99	5250.087
458.0898	16076.9	5713.784
458.0919	16238.12	5773.793
458.1576	22010.48	7697.113
458.1731	20482.24	7090.209
458.2253	15680.2	5303.982
458.2542	16253.08	5553.06
458.293	17589.09	6074.206
458.3353	17987.65	6286.234
458.3607	17602.23	6069.425
458.4165	16778.09	5945.283
458.4284	16775.18	5997.685
458.496	15066.15	5453.529
458.4976	15062.6	5454.889
458.5637	16152.4	5877.282
458.5787	16616.88	6026.338
458.6314	17691.8	6221.917
458.6598	17480.63	6000.312
458.699	17799.07	6020.653
458.7409	18385.64	6254.708
458.7666	18428.29	6221.124
458.8219	16316.76	5430.711
458.8342	16098.59	5367.141
458.9018	14078.56	4789.165
458.903	14110.65	4808.022
458.9693	15807.07	5504.624
458.984	15881.21	5503.47
459.0369	16260.4	5576.284
459.065	15163.61	5235.367
459.1045	14422.05	5063.37
459.1461	16484.39	5750.775
459.172	17270.06	5975.036
459.2271	17013.94	5974.844
459.2395	16999.65	5959.947
459.307	19710.94	6869.417

459.3081	19646.92	6843.622
459.3745	17418.38	5950.492
459.389	17054.98	5844.404
459.442	16463.47	5635.114
459.47	17161.14	5888.043
459.5094	17880.76	6182.521
459.5509	17060.81	6076.939
459.5769	16480.9	5915.767
459.6319	15954.63	5654.309
459.6443	15955.34	5674.645
459.7117	17602.4	6293.219
459.7128	17582.35	6290.646
459.7791	17465.65	6245.589
459.7937	17299.5	6177.685
459.8465	16513.86	5896.288
459.8747	16115.29	5812.638
459.9139	15171.32	5499.764
459.9555	15145.28	5429.818
459.9812	15492.06	5565.753
460.0364	17540.77	6495.398
460.0486	18037.35	6703.834
460.1159	15029.25	5540.894
460.1173	15010.12	5537.734
460.1832	14146.78	5411.049
460.1982	14096.12	5419.47
460.2506	13791.15	5396.537
460.279	14988.12	5958.199
460.3179	17066.07	7098.632
460.3598	15694.3	6845.48
460.3851	14643.53	6557.187
460.4406	15572.74	7253.416
460.4524	15896.52	7428.795
460.5197	15310.08	7681.649
460.5215	15407.71	7741.371
460.5869	17632.33	8081.065
460.6023	16869.15	7754.544
460.6541	14817.17	7447.676
460.683	14755.01	6938.502
460.7213	15088.19	6597.51
460.7638	16435.26	6701.026

460.7885	16929.24	6615.126
460.8446	16241	6212.502
460.8557	16141.98	6148.711
460.9229	15679.49	5979.021
460.9253	15712.36	5994.046
460.9901	17778.16	6990.931
461.0061	18484.16	7254.668
461.0572	19295.96	7365.194
461.0868	17276.37	6566.972
461.1243	15155.06	5836.567
461.1675	16474.48	6321.621
461.1914	17065.22	6439.659
461.2482	15458.14	5900.647
461.2585	15297.44	5918.114
461.3256	17677.48	7136.299
461.3289	17574.4	7096.872
461.3926	15182.02	5825.047
461.4096	15113.14	5778.077
461.4597	15051.35	5841.182
461.4902	15623.44	6179.76
461.5267	16102.3	6454.443
461.5709	15777.14	6275.976
461.5938	15656.42	6258.064
461.6515	14410.36	5758.804
461.6608	14202.23	5651.885
461.7278	16864.73	6516.913
461.7322	16666.06	6459.547
461.7948	14506.91	6048.449
461.8127	14887.91	6192.247
461.8618	14432.2	5846.962
461.8933	14487.26	5785.448
461.9287	15755.61	6360.948
461.974	14950.91	6190.969
461.9956	13942.05	5770.212
462.0545	14466.34	5757.877
462.0626	14703.48	5854.608
462.1295	15014.51	6263.15
462.1351	14958.53	6262.831
462.1964	12880.99	5426.39
462.2156	13120.69	5430.863

462.2633	14437.49	5910.294
462.2962	15768.06	6415.999
462.3301	16785.24	6750.634
462.3767	14058.41	5825.672
462.397	13000.97	5511.105
462.4572	14866.27	6230.66
462.4638	15070.28	6306.932
462.5307	15945.7	6699.109
462.5378	15770.21	6641.927
462.5975	13834.33	5986.314
462.6182	14367.32	6188.964
462.6643	15275.8	6508.478
462.6987	15391.39	6548.812
462.7311	16096.99	6904.11
462.7792	15584.75	6822.056
462.7979	14698.8	6438.668
462.8596	14360.26	6115.252
462.8646	14412.62	6144.14
462.9314	13399.14	5957.269
462.9401	13670.07	6057.257
462.9981	15166.76	6445.621
463.0205	14938.43	6336.75
463.0648	15348.31	6678.05
463.1009	15155.79	6767.707
463.1315	13941.2	6315.292
463.1813	13955.94	6207.582
463.1982	14069.82	6251.695
463.2618	13427.62	6105.745
463.2649	13405.46	6097.334
463.3316	13179.29	5938.363
463.3421	13580.86	6069.677
463.3982	15207.04	6854.177
463.4225	15897.25	7115.85
463.4648	16901.07	7309.104
463.5028	15399.73	6702.343
463.5314	14395.21	6389.679
463.5832	14036.97	6361.446
463.5981	13947.02	6331.621
463.6635	16455.34	7274.261
463.6646	16452.92	7282.183

463.7313	14526.59	6749.3
463.7438	14673.3	6846.079
463.7978	14689.55	6751.349
463.8242	14391.32	6595.049
463.8644	13737.63	6386.268
463.9044	14436.6	6688.752
463.9309	15062.26	6945.603
463.9847	13375.43	6294.775
463.9974	12865.93	6125.512
464.0639	12947.31	6251.297
464.065	12989.07	6264.573
464.1304	15458.08	7212.129
464.1453	15617.48	7253.95
464.1969	13920.67	6706.794
464.2255	13466.85	6567.914
464.2634	12645.98	6145.275
464.3058	11745.79	5726.392
464.3298	11720.36	5771.581
464.386	11892.88	5953.268
464.3962	11969.4	5989.061
464.4627	13042.84	6326.099
464.4662	13153.51	6360.026
464.5291	14189.2	6989.773
464.5464	14311.69	7114.531
464.5955	13140.04	6485.162
464.6266	12458.34	6043.388
464.6618	12104.97	5999.066
464.7068	12046.68	6111.787
464.7282	12302.35	6205.758
464.7869	12908.5	6432.311
464.7946	12731.53	6370.188
464.8609	10688.29	5620.89
464.867	10682.7	5605.341
464.9272	13940.7	7022.655
464.9472	14910.57	7469.443
464.9936	13997.34	7146.099
465.0273	13486.54	6936.273
465.0599	13779.21	7064.901
465.1074	13968.38	7161.253
465.1261	13919.75	7186.714

465.1875	14102.76	7337.357
465.1924	13922.48	7253.008
465.2586	12189.8	6322.415
465.2676	12003.11	6204.889
465.3249	11405.62	6121.623
465.3477	11021.16	6006.926
465.3911	12381.54	6623.474
465.4277	14186.57	7402.825
465.4573	13693.11	7183.328
465.5078	12510.57	6696.565
465.5235	12312.39	6636.993
465.5878	11365.73	6236.9
465.5897	11343.93	6240.558
465.6559	12363.55	6819.872
465.6679	12593.6	6929.484
465.722	11489.38	6463.143
465.7479	11136.51	6294.454
465.7881	10870.21	6212.607
465.8279	10929.47	6228.28
465.8543	11455.49	6435.619
465.9079	12105.75	6718.725
465.9204	11945.88	6691.042
465.9865	11738.21	6679.969
465.9878	11796.3	6694.793
466.0526	11589.7	6463.704
466.0678	11449.25	6368.901
466.1187	11488.41	6673.566
466.1478	11812.55	6939.81
466.1847	13071.58	7447.446
466.2277	14418.81	7971.403
466.2507	13296.99	7493.192
466.3076	10827.81	6412.491
466.3167	10950.92	6491.69
466.3828	12182.51	7108.266
466.3876	12325.61	7164.569
466.4488	11051.19	6689.084
466.4675	10656.2	6534.254
466.5148	9842.168	6101.859
466.5473	9375.742	5816.981
466.5808	9803.196	6152.945

466.6272	10463.9	6624.608
466.6467	10761.39	6741.626
466.7071	12020.13	7195.862
466.7126	11998.99	7206.35
466.7786	12327.22	7434.649
466.787	12413	7468.95
466.8445	10038.67	6424.132
466.8668	9253.393	6059.118
466.9103	10070.27	6596.527
466.9466	10878.26	7071.801
466.9763	10043.09	6635.086
467.0265	8818.387	5936.068
467.1062	10948.53	7081.713
467.186	11280.27	7024.665
467.2658	13185.44	8222.108
467.3456	11544.11	7646.955
467.4254	12012.78	8342.077
467.5051	10476.03	7484.663
467.5848	14163.1	9775.202
467.6645	12213.41	8390.166
467.7442	12780.49	8595.619
467.8239	13370	8477.621
467.9036	10120.93	6982.064
467.9833	11775.16	7435.018
468.0629	12249.5	8299.046
468.1426	13015.27	8576.364
468.2222	13611.03	9171.844
468.3019	12603.89	8165.177
468.3814	11637.1	7195.798
468.4611	9562.164	5915.792
468.5406	8886.363	5981.269
468.6202	9021.733	5846.793
468.6998	9140.801	6037.771
468.7793	9507.736	6113.247
468.8588	11952.83	7495.968
468.9384	10699.55	6564.743
469.0179	10645.59	6862.253
469.0974	11024.5	7357.369
469.1768	16020.09	9849.191
469.2563	12311.82	8322.929

469.3358	12351.14	8544.515
469.4152	13514.89	9389.748
469.4946	13061.98	9369.921
469.5741	10566.92	7386.436
469.6535	11045.66	6763.373
469.7329	8962.242	5512.969
469.8123	9541.05	5838.346
469.8916	10510.53	6073.122
469.971	10467.69	6440.19
470.0504	11363.11	6609.441
470.1296	11248.66	6745.009
470.209	9111.97	5668.876
470.2883	14650.66	8417.848
470.3676	11643.96	6866.226
470.4469	9377.589	5788.631
470.5262	12802.66	7373.387
470.6054	12617.42	7555.759
470.6847	11636.2	7022.729
470.7639	11776.74	7142.505
470.8431	10615.93	6742.207
470.9223	10770.49	7166.844
471.0016	13899.4	8923.348
471.0807	12207.69	8515.228
471.1599	12621.47	9071.602
471.2391	13210.33	9767.695
471.3182	13181.91	9037.318
471.3974	12358.3	7525.769
471.4765	10543.04	5999.541
471.5556	8544.87	5061.087
471.6347	14334.99	7770.423
471.7138	10446.96	5928.101
471.7928	9366.422	5452.989
471.8719	11108.16	6220.866
471.951	10635.38	6020.06
472.03	11395.29	6451.629
472.109	8722.748	5027.622
472.188	9301.975	5440.119
472.267	9352.7	5425.646
472.346	11598.4	6510.575
472.425	10470	5882.567

472.504	10881.13	6130.543
472.5829	10394.93	5902.165
472.6618	8965.482	5445.468
472.7408	10313.17	5801.425
472.8197	10605.31	6213.456
472.8986	9401.174	5451.336
472.9775	9890.49	6007.628
473.0564	10848.78	6427.758
473.1352	11710.03	7424.051
473.214	11009.81	6963.405
473.2929	12449.46	8508.983
473.3717	13889.16	9385.892
473.4505	15565.24	10655.1
473.5293	11855.27	7620.624
473.6081	9483.388	5192.792
473.6869	10236.96	5098.974
473.7656	9443.829	4789.448
473.8444	9332.93	4689.864
473.9231	9364.958	4787.933
474.0018	9194.647	4503.651
474.0805	10502.65	5338.276
474.1592	9041.139	4637.533
474.238	10175.14	5149.351
474.3166	10111.35	5106.169
474.3953	10788.73	5351.093
474.4739	9946.488	4970.531
474.5526	11133.69	5535.733
474.6312	9692.85	4840.363
474.7098	10206.87	5258.031
474.7884	9335.691	4609.591
474.867	11791.74	5991.906
474.9456	8899.733	4400.29
475.0241	12824.17	6516.374
475.1027	11760.24	5789.065
475.1812	13228.49	6783.07
475.2597	9584.833	4812.317
475.3383	9951.222	5150.736
475.4168	8216.87	4176.002
475.4952	8049.102	4244.758
475.5737	10103.74	5044.306

475.6522	10448.46	5522.794
475.7306	11108.9	5485.447
475.8091	10471.99	5372.789
475.8875	10130.42	5090.628
475.9659	12720.78	6496.223
476.0443	10650.15	5418.555
476.1227	12373.77	6305.384
476.2011	11523.1	5918.867
476.2794	10002.14	5120.793
476.3578	8977.009	4654.846
476.4361	11840.13	5965.967
476.5144	9289.222	4765.428
476.5927	11468.63	5985.3
476.671	10403.99	5259.231
476.7493	9804.763	5221.771
476.8276	15106.79	7707.26
476.9059	14199.67	7342.193
476.9841	12840.41	6559.857
477.0624	9766.374	5394.794
477.1406	10199.38	5299.204
477.2188	9420.868	5052.076
477.297	11284.96	5890.225
477.3752	10889.07	5783.367
477.4533	11620.44	5855.191
477.5315	10737.05	5702.858
477.6096	10378.14	5387.949
477.6878	13078.2	6788.951
477.7659	11550.68	5946.282
477.844	11875.51	6222.687
477.9221	10287.16	5353.727
478.0002	13238.94	6967.794
478.0783	11044.42	5736.46
478.1563	11792.35	6231.16
478.2344	12444.54	6357.331
478.3124	10990.39	5827.506
478.3904	14027.49	7166.805
478.4685	10529.32	5702.748
478.5464	11992.27	6112.579
478.6244	15192.54	7918.356
478.7024	13132.79	6719.301

478.7803	12115.88	6384.526
478.8583	11947.97	6235.556
478.9362	12162.68	6495.642
479.0141	14232.26	7372.549
479.092	12922	6811.075
479.1699	13681.98	7109.715
479.2478	11857.36	6328.906
479.3257	12628.83	6612.232
479.4036	11179.42	5983.176
479.4814	12840.61	6723.889
479.5592	11509.78	6173.481
479.6371	12938.35	6801.691
479.7148	12280.94	6594.004
479.7926	14981.27	7794.212
479.8704	12281.06	6575.125
479.9482	11563.49	6136.152
480.0259	11882.97	6406.238
480.1037	11322.1	6041.8
480.1814	14439.02	7740.818
480.2591	13703.39	7288.752
480.3368	14286.22	7706.487
480.4145	14316.28	7522.453
480.4922	11448.19	6154.631
480.5699	11955.9	6409.293
480.6475	18397.07	9556.125
480.7251	14121.71	7524.644
480.8028	13613.69	7242.154
480.8804	14043.98	7469.458
480.958	13296.71	7152.777
481.0356	12958.36	6892.028
481.1132	12138.03	6531.306
481.1907	13509.83	7179.199
481.2683	12256.19	6695.624
481.3459	13284.12	7177.922
481.4234	11899.03	6536.303
481.5009	16065.23	8563.534
481.5783	13215.09	7213.741
481.6559	12116.9	6547.194
481.7334	12858.41	7091.803
481.8108	12927.68	7011.944

481.8883	13953.63	7826.724
481.9657	12723.02	6960.386
482.0431	14675.35	8088.179
482.1205	13953.99	7538.819
482.1979	13291.58	7361.766
482.2753	12666.37	6997.043
482.3527	15316.8	8420.623
482.43	13714.98	7616.692
482.5074	12643.85	7149.514
482.5848	14991.1	8282.163
482.6621	12314.85	6861.869
482.7394	14404.68	7888.872
482.8167	16276.07	8955.303
482.894	15473.66	8520.963
482.9712	14048.78	7973.484
483.0485	12644.86	7199.29
483.1257	15934.77	8908.938
483.203	14478.53	7978.021
483.2802	15763.11	8821.544
483.3574	16826.66	9196.905
483.4346	14411.44	8130.203
483.5118	15197.17	8585.662
483.589	14689.7	8395.658
483.6661	21201.18	11512.76
483.7433	19188.44	10658.56
483.8204	16773.11	9211.022
483.8975	15466.72	8805.386
483.9746	12956.64	7312.192
484.0517	14972.46	8682.039
484.1288	14394.96	8307.448
484.2058	14564.3	8445.376
484.2829	15526.74	8688.847
484.36	14803.32	8476.419
484.437	18072.71	10121.11
484.514	14869.16	8627.037
484.591	12630.6	7346.681
484.668	14971.41	8826.863
484.745	15505.45	8793.889
484.8219	15318.99	8867.48
484.8989	17470.68	9786.678

484.9758	15145.99	8711.597
485.0528	16499.96	9440.08
485.1297	15456.55	8980.108
485.2066	14189.14	8185.511
485.2835	17886.09	10272.68
485.3604	16122.48	9155.436
485.4372	17732.8	10236.96
485.514	14527.88	8340.403
485.5909	24039.85	13488.39
485.6677	15962.63	9182.672
485.7445	15023.2	8832.512
485.8214	18019.32	10260.54
485.8981	16358.96	9471.035
485.9749	18065.38	10203.67
486.0516	16040.45	9413.904
486.1284	16618.37	9491.173
486.2051	17280.79	10165.69
486.2819	14198.28	8400.472
486.3586	19173.22	11090.97
486.4353	17444.76	9880.754
486.512	17969.58	10336.13
486.5886	18532.74	10512.92
486.6653	12964.04	7730.778
486.7419	16682.24	9652.583
486.8186	17331.99	10112.24
486.8952	17347.47	9996.225
486.9718	16155.39	9584.185
487.0484	17461.47	9977.044
487.1249	17326.66	10066.73
487.2015	14556.33	8378.922
487.2781	18160.03	10510.49
487.3547	13056.14	7833.04
487.4312	19324.18	11270.95
487.5077	16955.1	10217.83
487.5842	19766.47	12288.98
487.6607	22674.51	14193.59
487.7372	19144.78	11756.12
487.8136	17012.45	9921.112
487.8901	14663.71	8759.919
487.9665	16806.97	9620.143

488.0429	14071.96	8272.263
488.1194	14503.8	8146.291
488.1957	15497.95	8828.273
488.2721	22107.41	12154.14
488.3485	18314.74	10383.66
488.4249	14331.46	8284.78
488.5012	15623.8	9088.595
488.5776	15292.67	8640.619
488.6539	15389.11	8666.999
488.7302	12492.52	7100.044
488.8065	14808.21	8474.293
488.8828	16809.06	9510.589
488.9591	15350.62	8864.451
489.0353	16368.75	9406.471
489.1115	15207.71	8733.87
489.1878	13578.79	7674.632
489.264	14845.98	8414.225
489.3402	16207.45	9093.255
489.4164	18198.88	10614.36
489.4926	14650.27	8539.848
489.5688	17011.3	9778.038
489.6449	13670.31	7667.433
489.7211	17915.8	10001.58
489.7972	21222.98	11652.26
489.8733	17112.43	9889.72
489.9494	19618.47	11276.91
490.0255	14654.64	8669.957
490.1016	17862.52	10038.13
490.1776	18564.47	10251.66
490.2537	19280.06	10530.5
490.3297	15724.27	9007.304
490.4058	15867.97	9082.412
490.4818	16186.83	9445.281
490.5578	16871.55	9537.653
490.6338	19744.82	10866.97
490.7098	14818.35	8159.892
490.7857	18570.92	10361.17
490.8617	21301.73	11796.33
490.9376	16280.81	9331.582
491.0135	16157.91	9167.234

491.0894	21699.43	12257.18
491.1653	20046.43	10965.33
491.2412	17358.28	9763.418
491.3171	16583.68	9314.585
491.3929	15057.28	8536.451
491.4688	13967.38	8107.858
491.5446	15870.32	9224.529
491.6204	17485.28	9642.606
491.6962	15282.84	8701.212
491.772	16338.53	9206.74
491.8478	17840.65	10018.57
491.9236	16588.59	9022.331
491.9993	14497.69	8457.507
492.0751	15897.18	9112.81
492.1508	15923.63	9048.153
492.2265	15013.76	8508.495
492.3023	14846.27	8497.9
492.3779	15152.96	8443.197
492.4536	19816.17	10998.12
492.5292	19699.27	11165
492.6049	18422.87	10711.8
492.6805	18554.59	10137.69
492.7562	16296.74	9108.381
492.8318	17258.73	9417.202
492.9074	16497.12	9420.127
492.9829	18829.53	10685.34
493.0585	18807.91	11030.23
493.1341	16777.77	9611.833
493.2096	19520.02	10901.71
493.2851	19075.76	10676.35
493.3607	25318.02	13791.48
493.4362	15938.59	9283.019
493.5117	16889.8	10071.85
493.5872	19643.06	11151.61
493.6626	19586.15	10908.68
493.7381	15328.92	8545.248
493.8135	20852.56	11478.32
493.8889	22828.33	12330.47
493.9644	21758.19	12536.61
494.0398	21296.21	12389.21

494.1151	21473.79	11934.72
494.1906	16974.33	9291.269
494.2659	20062.29	11068.69
494.3413	18824.12	10517.6
494.4166	19729.3	11304.54
494.4919	20031.83	11728.67
494.5672	19686.59	11075.17
494.6425	18334.74	9822.397
494.7178	21156.45	11476.58
494.7931	16035.8	9017.899
494.8684	16524.64	9665.647
494.9436	14391.38	8869.35
495.0188	17940.13	10556.15
495.094	24417.12	13160.62
495.1692	19280.03	10587.4
495.2444	18421.19	10228.12
495.3196	20427.82	11773.56
495.3948	18873	10847.23
495.4699	18814.51	11077.32
495.5451	16686.41	9608.666
495.6202	19468.99	10889.15
495.6953	20830.19	11699.74
495.7704	18399.78	10392.05
495.8455	17586.66	9956.798
495.9206	20083.31	11800.36
495.9956	23853.18	13374.64
496.0707	17125.9	9807.055
496.1458	21452.04	11738.79
496.2208	21000.97	11786.72
496.2958	21763.96	12384.54
496.3708	19205.62	11700.41
496.4457	19716.59	11612.16
496.5207	17550.05	10095.2
496.5957	17336.82	10027.56
496.6706	23562.48	13000.34
496.7456	16799.87	9546.51
496.8205	21688.02	12512
496.8954	21213.12	12266.27
496.9703	21034.82	11855.27
497.0452	22053.39	12050.65

497.12	23840.23	13222.3
497.1949	21030.06	11727.13
497.2698	22344.09	12975.21
497.3445	21293.01	12302.1
497.4194	18836.18	10771.06
497.4942	19526.24	10853.56
497.5689	18445.04	10164.33
497.6437	19855.34	10902.17
497.7185	25721.63	14818.94
497.7932	25575.19	14782.84
497.868	21834.34	12388.59
497.9427	18090.29	9955.191
498.0174	18984.7	10841.84
498.0921	22026.6	12409.08
498.1668	20672.12	12593.29
498.2415	18034.98	10867.19
498.3161	19192.71	10821.06
498.3908	17471.42	9708.913
498.4654	19184.82	10764.83
498.54	19870.87	11275.88
498.6146	22996.89	13630.07
498.6892	18775.61	11179.9
498.7637	17981.3	10350.04
498.8383	20006.92	11177.42
498.9129	18298.15	10634.46
498.9874	20274.19	11974.7
499.0619	24424.56	14470.94
499.1364	23088.16	13259.74
499.2109	23843.85	13302.51
499.2854	22699.68	12612.49
499.3599	24175.07	13777.65
499.4344	21996.35	12636.33
499.5088	28568.47	16560.91
499.5832	23004.92	13470.01
499.6577	23317.73	13060.32
499.7321	24511.63	13853.74
499.8064	22659.85	13289.96
499.8808	24881.22	14478.13
499.9552	25910.62	15440.83
500.0295	21235.6	12473.9

500.1039	24281.57	14070.66
500.1782	22451.42	12764.25
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500.3268	23627.43	13746.57
500.4011	21544.29	13548.42
500.4754	27638.36	16076.19
500.5496	21865.34	12745.55
500.6239	22428.15	12845.38
500.6981	28006.53	16025.19
500.7723	22559.98	13974.84
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500.9208	23290.62	13179.46
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501.0691	21586.28	12345.28
501.1433	20732.97	12304.69
501.2174	31959.93	18989.88
501.2915	19063.73	12028.59
501.3657	19608.66	11187.4
501.4397	24043.12	13642.84
501.5138	21788.03	12856.74
501.5879	26378.53	15949.62
501.662	23577.03	14365.68
501.736	19262.1	11384.43
501.81	19118.35	10923.98
501.8841	19782.49	11784.83
501.9581	24689.57	14647.32
502.032	20027.07	12892.04
502.106	18641.2	11519.36
502.18	21320.22	12343.79
502.254	22024.13	13042.67
502.3279	17795.05	11201.98
502.4019	19140.89	12094.58
502.4757	26038.47	15622.64
502.5497	16028.05	9828.742
502.6235	16986	10630.85
502.6975	18886	11265.7
502.7713	21702.9	13018.34
502.8451	22672.03	14228.53
502.919	23914.67	14794.44
502.9928	21007.95	12495.98

503.0666	21921.5	12995.52
503.1404	23317.6	13875.03
503.2142	22417.19	14455.86
503.288	19272.2	12511.71
503.3617	21857.96	13116.42
503.4355	20565.12	12087.09
503.5092	21005.26	12623.72
503.5829	23320.41	14860.04
503.6566	23628.18	15344.56
503.7303	21620.18	12866.86
503.804	17248.98	10633.11
503.8776	22456.7	14000.02
503.9513	24133.5	16497.79
504.0249	23509.52	16237.8
504.0985	22484.18	14283.51
504.1721	21775.66	13217.98
504.2457	22013.81	13581.65
504.3193	21466.76	13545.46
504.3929	21588.68	14359.73
504.4664	21720.64	13406.95
504.54	24148.77	14823.58
504.6135	22957.57	14601.09
504.687	19042.27	12431.24
504.7605	20366.38	12913.17
504.8341	19209.12	12726.86
504.9075	20065.13	12716.69
504.981	22720.1	13804.59
505.0544	24178.78	14982.3
505.1278	23408.26	16021.06
505.2013	20696.19	13708.96
505.2747	19663.01	12265.76
505.3481	18849.03	11928.76
505.4215	28129.28	17951.55
505.4948	25881.52	17091.1
505.5682	18619.78	12012.69
505.6416	21808.32	13114.93
505.7149	22535.96	14377.14
505.7882	26766.38	17339.85
505.8615	22871.32	15337.86
505.9348	23729.56	14365.15

506.0081	19789.48	12903.88
506.0813	20769.71	13553.73
506.1546	22481.39	15237.61
506.2278	20426.84	13678.04
506.301	20052.5	13253.39
506.3742	22409.93	14227.1
506.4474	17741.04	11717.23
506.5206	22828.33	15316.84
506.5938	20244.68	14069.22
506.6669	21065.77	13541.14
506.7401	22480.27	14421.29
506.8132	23037.75	15904.8
506.8863	20749.53	15264.68
506.9594	22759.53	14256.04
507.0325	18139.01	11812.96
507.1056	20070.56	13553.56
507.1787	22097.09	15368.08
507.2517	22111.35	14893.14
507.3247	20173.52	13272.44
507.3977	24963.51	16128.09
507.4707	27739.23	18123.09
507.5437	20996.55	14829.14
507.6167	22603.52	15125.76
507.6897	18594.36	12572.04
507.7627	22946.89	14856.44
507.8356	22541.69	16095.76
507.9085	25803.96	17679.16
507.9814	22038.56	13984.95
508.0544	24449.24	16201.15
508.1272	22141.06	16164.11
508.2001	26804.39	18253.33
508.273	22992.82	15193.88
508.3458	30571.78	19895.38
508.4186	21749.69	15043.16
508.4915	25875.15	18023.22
508.5643	23396.73	15905.36
508.6371	19434.93	13482.63
508.7098	22348.46	15502.21
508.7826	25043.82	18085.93
508.8554	18988.06	13616.12

508.9281	19523.32	13404.65
509.0008	21329.84	15066.38
509.0735	23368.45	16927.19
509.1462	20995.33	15077.72
509.2189	18282.21	13431.26
509.2916	23000.74	16289.75
509.3643	23787.45	17734.48
509.4369	23525.92	17435.57
509.5095	22973.74	16694.31
509.5821	23989.46	18024.5
509.6547	27954.22	20712.78
509.7274	22881.63	16516.17
509.7999	24290.26	17085.3
509.8725	24892.29	17857.53
509.945	19779.49	15595
510.0176	24665.52	17240.52
510.0901	26339.23	17231.58
510.1626	21915.64	15677.04
510.2351	22127.16	16315.87
510.3076	20508.76	14724.59
510.3801	22326.75	15609.23
510.4525	23188.95	16620.79
510.5249	25527.27	18224.71
510.5974	22331.56	15699.99
510.6698	25178.91	17527.25
510.7422	21103.08	15866.33
510.8146	20383.62	15349.76
510.887	21366.18	15353.73
510.9593	23951.87	17767.87
511.0317	29262.09	21162.36
511.104	29117.69	20583.84
511.1763	27793.23	19916.8
511.2486	26270.33	19287.5
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511.4655	26612.9	19332.69
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511.61	26278.21	18552.47
511.6822	21440.19	16030.23
511.7544	24215.27	17719.15

511.8266	25431.43	18333.69
511.8988	29173.22	20233.95
511.971	29790.97	21436.91
512.0432	23369.93	17895.13
512.1152	23874.34	17739.95
512.1874	23955.42	17974.84
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512.3316	27761.82	20000.97
512.4037	27594.4	21047.17
512.4758	29028.65	22582.76
512.5479	26070.19	20605.33
512.6199	28250.29	22096.83
512.6919	32422.95	26701.71
512.764	32143.49	26555.47
512.8359	27344.37	21729.26
512.908	24005.31	17671.01
512.98	25164.05	17349.97
513.0519	23996.32	17057.12
513.1238	30326.31	20198.79
513.1958	28476.95	19120.7
513.2678	28087.48	19682.05
513.3397	23709.72	16884.21
513.4115	23485.88	16920.78
513.4835	25315.64	17805.66
513.5553	25755.53	17861.99
513.6271	23360.98	17080.13
513.699	26613.01	18828.05
513.7708	25255.31	17850.85
513.8427	26647.16	18745.96
513.9144	21680.02	15747.01
513.9863	26936.9	19151.98
514.058	25596.97	18491.87
514.1298	20228.88	15647.66
514.2015	21530	16259.5
514.2733	23213.38	17103.78
514.345	24240.25	18120.68
514.4167	23209.05	17378.93
514.4884	22686.91	17118.33
514.5601	21890.63	16509.67
514.6318	21666.11	16695.19

514.7034	22507.81	17301.58
514.7751	21675.93	16765.29
514.8467	20520.87	15959.88
514.9183	25266.29	18705.64
514.9899	25364.38	18995.56
515.0615	25246.1	18777.02
515.1331	19414.33	15581.29
515.2047	24515.65	18407.3
515.2762	24080.96	18544.17
515.3477	23458.9	17831.57
515.4193	24711.16	18780.75
515.4907	28542.8	20908.41
515.5623	25701.53	19394.91
515.6337	23175.11	18288.23
515.7052	23373.45	19049.56
515.7766	31884.29	23245.06
515.8481	28623.59	21964.17
515.9195	29727.94	23057.89
515.9909	30396.2	24691.95
516.0623	36033.93	28908.2
516.1337	38293.32	31954.34
516.2051	35807.43	33239.18
516.2764	42220.53	41235.81
516.3478	44627.83	44453.36
516.4191	37429.4	32239.61
516.4904	23407.71	15558.39
516.5617	36759.73	21753.74
516.633	40373.79	23935.33
516.7043	26172.52	15321.71
516.7755	21808.58	12053.52
516.8468	18544.89	10565.64
516.918	24056.14	13162.42
516.9892	32054.31	17905.47
517.0604	49630.92	29305.09
517.1317	84799.58	51764.8
517.2028	60416.2	37605.73
517.2739	29280.53	17246.06
517.3451	20061.15	11309.15
517.4163	23161.66	12765.28
517.4873	19243.98	10621.02

517.5585	17254.39	9758.395
517.6295	19874.02	10945.84
517.7007	19864.53	11123.02
517.7717	19288.39	10627.51
517.8428	16770.2	9674.397
517.9138	20186.15	11306.2
517.9848	20696.32	11871.89
518.0558	35700.73	19876.84
518.1269	50489.16	29951.73
518.1979	107136.6	65963.67
518.2688	104684.6	66346.25
518.3398	44459.58	27958.09
518.4107	23426.28	13635.75
518.4816	22559.65	12668.74
518.5525	19724.31	11257.05
518.6235	18760.58	10906.6
518.6944	21758.64	13509.27
518.7653	24292.29	15131.37
518.8361	20869.59	12601.64
518.9069	16919.38	9704.656
518.9778	22037.64	12192.07
519.0486	19819.96	10904.71
519.1194	15431.69	8754.219
519.1903	19947.9	10951.61
519.261	17623.37	9827.794
519.3318	16036.14	8918.626
519.4025	17705.52	9803.6
519.4733	15682.33	8591.404
519.544	16797.94	9389.806
519.6146	17223.9	9321.572
519.6854	19785.02	10780.93
519.7561	16612.16	9038.346
519.8267	21350.67	11704.8
519.8974	15941.24	8855.359
519.968	16105.31	9054.608
520.0386	16650.73	9169.164
520.1093	15326.61	8611.836
520.1799	21466.69	11559.14
520.2505	19436.3	10393.25
520.321	20028.48	10297.06

520.3916	18462.46	9634.148
520.4621	21117.87	10723.67
520.5327	20435.75	10723.81
520.6032	16051.54	8561.971
520.6737	18755.02	9611.919
520.7441	19012.02	9554.557
520.8146	19249.56	10459.8
520.8851	16283.15	9059.268
520.9556	16498.42	9273.2
521.026	15876.58	8938.948
521.0964	17167.07	9757.536
521.1668	17489.45	9760.667
521.2372	15774.81	9012.81
521.3076	16702.02	9126.078
521.3779	16693.94	9344.826
521.4483	18861.29	10280.54
521.5186	16116.98	9105.059
521.5889	18910.38	10363.2
521.6592	16688.56	9284.326
521.7296	18825.41	10232.68
521.7999	17763.36	9991.105
521.8702	19959.31	11044.85
521.9404	21681.57	11931.99
522.0106	20275.73	11150.93
522.0808	19904.29	11082.36
522.1511	18012.07	9946.742
522.2213	17236.75	9669.025
522.2914	16411.17	9294.339
522.3616	21874	12181.9
522.4318	17775.86	9848.681
522.5019	19586.44	10927.72
522.5721	16679.94	9162.803
522.6422	18547.53	10323.1
522.7123	18288.55	9991.109
522.7824	16361.81	9176.704
522.8525	20466.54	11200.16
522.9226	21754.52	12124.79
522.9926	20254.94	11180.23
523.0626	18844.2	10643.38
523.1326	21220.31	11604.31

523.2026	20212.59	11268.45
523.2726	26791.82	14417.2
523.3427	24478.37	13270.64
523.4125	15540.02	8647.265
523.4825	16170.03	9159.449
523.5524	15845.82	8887.16
523.6223	16460.8	9395.666
523.6922	17663.15	9916.178
523.7621	22565.76	12634.35
523.832	22471.36	12446.23
523.9019	18095.68	10108.75
523.9717	16989.38	9522.156
524.0416	21967.37	12133.19
524.1114	15286.02	8793.346
524.1812	18117.72	10371.6
524.251	17956.66	9956.069
524.3209	16987.61	9657.957
524.3906	18121.48	10094.96
524.4604	19896.17	11356.82
524.5301	21792.92	12049.58
524.5998	20902.84	11679.59
524.6695	18855	10544.35
524.7393	15899.29	9205.655
524.8089	15500.21	8784.563
524.8787	17172.32	9697.718
524.9482	17967.75	10054.22
525.0179	16801.25	9665.956
525.0875	14926.28	8684.886
525.1572	21159.6	12069.29
525.2268	17608.99	10093.89
525.2963	22729.59	12762.93
525.366	21603.56	12008.12
525.4355	19674.93	11118.38
525.505	17191.19	9831.144
525.5745	19860.53	11285.07
525.6441	18723.87	10644.79
525.7136	18764.01	10919.35
525.7831	19564.64	11349.78
525.8525	19448.58	11688.75
525.9221	24639.64	14785.19

525.9915	23127.98	15829.22
526.0609	26201.64	19537.51
526.1303	28317.29	19984.53
526.1997	22019.68	14660.21
526.2691	22103.08	15746.52
526.3386	25587.85	19084.87
526.4079	31927.45	24992.83
526.4772	23186.09	18508.89
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526.6159	20238.17	12196.78
526.6852	23246.52	13981.58
526.7545	20116.91	13252.29
526.8237	30479.23	23017.3
526.8931	40473.62	34347.56
526.9623	30999.55	25414.75
527.0316	18001.78	12158.06
527.1008	17128.94	10494.73
527.17	15815.82	9297.153
527.2391	18494.85	10931.28
527.3084	18706.41	10797.59
527.3776	15566.79	9222.358
527.4467	17065	9912.752
527.5159	19968.17	11559.49
527.585	19973.73	11474.71
527.6541	19576.11	11475.64
527.7232	17153.54	10136.1
527.7922	17370.09	10248.83
527.8613	17480.08	10091
527.9304	19051.53	11119.55
527.9995	16358.34	9650.614
528.0685	18701.4	10916.38
528.1375	16920.75	9907.451
528.2064	18098.65	10599.9
528.2755	18522.56	10811.61
528.3445	18989.88	11290.11
528.4134	21724.61	12385.44
528.4824	16809.09	9791.744
528.5513	22124.17	12528.55
528.6202	19515.73	11457.18
528.6891	21424.33	12346.56

528.758	18369.63	10943.76
528.8268	17646.07	10366.32
528.8957	17206.31	10208.27
528.9646	18113.87	10537.74
529.0334	20601.93	11879.14
529.1022	20734.98	11716.94
529.171	19339.8	11192.34
529.2398	21076.31	12128.86
529.3086	21450.27	12538.7
529.3774	22745.61	13152.82
529.4461	20643.18	12068.97
529.5149	22557.5	12906.36
529.5836	19741.51	11479.68
529.6522	16797.43	9830.481
529.721	22006.04	12607.43
529.7896	15583.75	9266.517
529.8583	18576.88	10962.84
529.9269	18524.19	10775.84
529.9956	17131.21	10283.05
530.0642	17176.59	10147.56
530.1329	18914.5	11269.44
530.2014	21613.72	12517.08
530.27	20505.95	12123.32
530.3386	18022.79	10606.59
530.4071	16139.65	9709.816
530.4757	18362.44	10742.42
530.5442	19022.09	11234
530.6127	17374.47	10405.83
530.6812	17966.84	10862.7
530.7497	13587.48	8438.648
530.8181	22798.11	13207.37
530.8865	27699.95	15773.47
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531.0234	20598.18	12011.95
531.0919	17677.74	10621.37
531.1602	15890.7	9504.386
531.2286	18705.13	11295.16
531.297	17788.65	10803.62
531.3654	20442.69	12320.83
531.4337	15991.12	9682.684

531.5021	17062.77	10209.52
531.5704	16188.74	9621.786
531.6386	16641.79	10017.24
531.707	15980.52	9598.115
531.7752	19714.53	11892.08
531.8435	18605.51	11156.18
531.9117	18422.12	11383.76
531.9799	18442.77	11475.34
532.0481	20442.01	12546.89
532.1164	19660.93	12047.09
532.1846	18856.34	12151.31
532.2527	25073.86	15228.4
532.3209	17867.01	11277.66
532.389	23091.33	13765.91
532.4572	20577.56	12685.8
532.5253	18245	11401.99
532.5933	19889.21	12360.51
532.6614	15193.22	9568.07
532.7295	20012.92	11938.7
532.7976	19336.38	11421.11
532.8656	15892.34	9795.778
532.9337	17702.32	10535.39
533.0017	21147.67	12668.76
533.0696	20772.87	12517.76
533.1376	20658.86	12628.04
533.2056	18696.56	11308.66
533.2736	19759.7	12077.7
533.3415	17472.99	10665.83
533.4095	21082.42	12618.13
533.4774	17751.39	10853.06
533.5453	17283.99	10863.01
533.6132	14554.59	9287.397
533.681	21286.26	13139.43
533.7489	21280.33	13363.8
533.8167	26047.96	16959.52
533.8845	28820.91	18968.4
533.9524	22634.66	15047.98
534.0202	25154.76	15628.42
534.088	20740.88	13527.56
534.1557	18460.99	12437.09

534.2235	23544.09	15249.79
534.2912	23075.85	14508.71
534.359	20412.56	12880.04
534.4268	21215.79	12992.88
534.4945	22456.11	14008.03
534.5621	22441.19	14030.5
534.6298	21838.62	13744.14
534.6975	22224.95	13882.76
534.7651	21539.59	14870.4
534.8326	21976.23	16051.56
534.9003	22879.76	15409.04
534.968	19364.33	12158.09
535.0355	19793.16	12278.32
535.1032	18243.91	11493.88
535.1707	22372.98	13904.63
535.2382	19839.84	12302.99
535.3057	20363.09	12608.03
535.3733	16765.06	10636.7
535.4408	19961.35	12472.56
535.5083	20639.75	12682.94
535.5758	24750.18	14933.19
535.6432	16672.71	10777.31
535.7106	20862.1	13416.54
535.7781	23487.92	15772.28
535.8455	30870.91	20673.91
535.9129	24588.47	16575.31
535.9803	23523.06	15332.96
536.0477	22828.85	14403.42
536.1151	23402.7	14670.37
536.1824	21193.77	13158.28
536.2497	18497.68	11660.68
536.317	18935.22	11711.58
536.3843	22533.33	14065.28
536.4517	22033.16	13831.74
536.5189	20085.97	12913.8
536.5861	19000.81	12029.9
536.6534	22560.5	13848.89
536.7206	18994.74	11554.35
536.7878	16472.23	10395.49
536.855	20021.85	12351.91

536.9222	19836.9	12479.39
536.9894	20173.46	12960.16
537.0566	20821.41	13719.36
537.1238	18723.17	12197.32
537.1909	21038.59	13084.2
537.2579	18885.7	11638.65
537.3251	18157.82	11547.44
537.3922	19105.21	12049.17
537.4593	18002.02	11882.64
537.5263	25556.01	15822.55
537.5933	19341.14	12467.8
537.6604	16195.31	10866.22
537.7274	19489.44	12485.17
537.7944	22080.65	13737.43
537.8615	25185.74	15587.8
537.9285	19291.68	12245.67
537.9954	23208.22	14547.14
538.0623	19293.37	12193.9
538.1292	21017.64	13366.46
538.1962	17934.36	11813.95
538.2631	26056.8	16372.09
538.33	18927.68	12299.75
538.3969	19192.89	12320.98
538.4637	19652.47	12553.29
538.5305	19268.1	12391.25
538.5974	19237.4	12128.06
538.6642	18758.7	12185.08
538.731	16514.17	10976.76
538.7977	15873.48	10693.77
538.8646	17823.36	11727.17
538.9313	20730.3	13431.16
538.9981	21788.09	13648.08
539.0648	23357.57	14469.16
539.1315	24086.26	14746.5
539.1982	24678.12	15508.39
539.265	18687.58	12205.45
539.3316	19149.18	12309.74
539.3983	19498.79	12361.03
539.4649	18847.19	12353.15
539.5315	18742.98	12094.13

539.5982	23033.4	14356.96
539.6647	20795.5	13085.18
539.7313	19524.1	12756.05
539.7979	25614.93	16144.55
539.8645	24532.11	15398.62
539.931	23556.55	14575.13
539.9976	24644.26	15410.6
540.0641	19437.81	12812.78
540.1306	24458.11	15580.73
540.197	21831.71	13813.51
540.2636	21121.1	13777.36
540.33	21975.14	13977.47
540.3964	21693.54	13762.32
540.4628	19585.85	12499.75
540.5293	22648.82	14392.2
540.5956	19227.86	12762.67
540.6621	20251.88	13674.58
540.7284	21973.41	14323.08
540.7948	20449.92	13261.66
540.8612	20578.9	13105.35
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540.9938	22438.31	14120.24
541.0601	16672.15	11152.13
541.1263	21705.77	14163.59
541.1926	20793.26	14196.73
541.2589	18626.31	12858.94
541.3251	19255.89	13043.59
541.3914	18154.57	12118.81
541.4576	18964.61	12518.74
541.5238	17459.36	11426.9
541.59	21345.73	13726.46
541.6561	18403.81	12013.22
541.7222	21415.94	14137.44
541.7885	21571.67	14489
541.8546	20541.18	13543.01
541.9207	21224.78	13620.29
541.9868	19528.08	12867.93
542.0529	19418.91	12490.87
542.1189	19341.52	12541.99
542.185	21889.69	13991.51

542.2511	22472.19	14828.05
542.3171	22906.98	15109.5
542.3831	23861.82	15723.01
542.4491	17681.57	11761.9
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542.581	20607.91	13497.75
542.647	17961.59	12103.08
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542.7789	21933.74	14752.27
542.8448	17763.82	12251.54
542.9107	20325.3	13909.46
542.9766	15483.24	10899.89
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543.1083	18638.58	12333.33
543.1741	19547.85	13373.3
543.24	25448.62	16612.46
543.3057	22771.12	14834.88
543.3715	18279.05	12257.45
543.4373	25855.45	16779.77
543.5031	23828.01	15540.38
543.5688	20140.26	13580.94
543.6346	17637.48	11992.65
543.7003	21092.67	14105.2
543.7661	19125.94	12796.17
543.8317	19233.66	12869.97
543.8974	18810.24	12618.08
543.963	20745.38	14268.35
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544.2911	20992.73	13836.94
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544.6844	18661.06	12744.06
544.7499	21149.52	14195.93
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545.861	21086.22	14256.87
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545.9914	22381.01	15163.17
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546.2521	23069.94	15585.04
546.3173	25535.87	16835.44
546.3825	21462.58	14737.23
546.4475	27142.52	18149.92
546.5126	23617.66	16193.18
546.5778	23152.35	16203.1
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546.968	21696.96	15005.84
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547.0979	20222.79	14983.55
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547.6819	23418.11	17024.42
547.7467	22361.82	16274.83
547.8115	23181.67	16357.24
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548.0059	23601.86	17034.57
548.0706	25917.32	18850.78
548.1354	27113.41	19740.43
548.2001	22431.5	16559.65
548.2648	21865.77	16126.6
548.3295	22326.57	16115.66
548.3941	22052.69	16244.11
548.4588	24000.68	17333.32
548.5234	21726.82	16223.62
548.5881	21523.31	16086.6
548.6527	25047.08	18696.69
548.7173	28523.15	20332.87
548.7819	21637.88	16230.99
548.8464	23750.7	17408.25
548.911	23956.22	17564.04
548.9755	20769.66	15685.81
549.04	26967.38	19660.76
549.1046	28251.31	20690.27
549.1691	22509.02	17569.76
549.2335	25804.02	19289.85
549.298	24959.18	18498.1
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549.5557	24950.43	19867.23
549.6201	23222.15	18703.14
549.6845	23717.38	18821.87
549.7488	31647.26	23378.73
549.8133	31292.72	23479.47
549.8776	26205.69	20510.91
549.942	29245.21	23116.4
550.0062	27727.69	22586.68

550.0705	28804.58	22866.98
550.1348	27395.5	21004.56
550.199	29449.5	22270.68
550.2633	24434.33	19589.04
550.3275	25003.09	20183.64
550.3918	29718	22919.28
550.4559	26718.41	21961.04
550.5201	26350.82	21924.74
550.5843	31146.95	24209.77
550.6484	25673.49	21025.71
550.7126	34844.5	26744.24
550.7768	24802.95	21024.78
550.8409	27692	23041.4
550.905	30595.51	25400.32
550.9691	30916.98	26174.79
551.0331	28797.4	24490.25
551.0972	29969.77	25255.62
551.1613	27384.83	23809.19
551.2252	31192.3	25987.85
551.2893	32172.25	26547.69
551.3533	32083.32	27368.69
551.4173	31042.91	26463.75
551.4812	29775.01	25407.03
551.5452	29444.88	24834.35
551.6091	34721.33	28233.74
551.673	31056.73	26261.52
551.737	34117.84	28582.32
551.8009	31139.71	27000.47
551.8648	32101.41	27656.1
551.9286	29978.76	26023.33
551.9924	30056.41	26099.82
552.0563	29331.06	25668.66
552.1201	30614.18	26664.25
552.1839	30551.98	26870.73
552.2477	29524.19	26707.27
552.3115	29562.87	26385.6
552.3752	27999.77	25065.43
552.439	29827.63	26015.26
552.5027	34679.86	28915.62
552.5665	33127.46	28133.55

552.6302	35854.93	30399.68
552.6939	31934.87	28080.42
552.7575	35562.02	29845.93
552.8212	30977.77	26911.41
552.8848	34150.77	28919.87
552.9484	31995.43	27812.61
553.012	34817.07	29900.31
553.0756	31753.76	28505.63
553.1392	36088.57	31208.47
553.2028	30545.97	27693.1
553.2664	32226.19	28915.85
553.3299	31843.16	28906.07
553.3934	39134.79	34135.38
553.4569	36952.47	33596.39
553.5204	34413.36	32397.6
553.5839	33392.76	31596.74
553.6474	38676.97	35089.23
553.7109	39034.24	35604.34
553.7742	38884.79	36103.4
553.8377	42112.06	38546.53
553.9011	42295.82	38982.18
553.9645	36594.62	34752.14
554.0278	41171.43	36642.94
554.0913	38185.52	34606.74
554.1546	38157.25	34741.27
554.218	42169.8	37410.15
554.2813	35108.35	33455.13
554.3445	34075.73	32265.87
554.4078	34403.89	32165.6
554.4711	40771.76	35693.65
554.5344	37046.67	33749.5
554.5977	39841	35492.83
554.6609	42739.23	37423.34
554.7241	35429.22	32684.79
554.7872	36725.5	32936.09
554.8504	34893.05	31213.64
554.9136	32750.58	30110.61
554.9768	32970.72	30536.55
555.0399	35664.81	32713.33
555.103	36594.86	32628.29

555.1661	35300.11	31532.06
555.2293	34340.17	30710.89
555.2923	31848.83	29208.71
555.3554	33578.28	30050.69
555.4185	31263.73	28904.97
555.4815	33900.92	29719.04
555.5445	36476.45	30726.83
555.6075	35454.89	29696.06
555.6705	35015.25	29617.24
555.7335	34490.97	29339.7
555.7964	33813.92	29065.42
555.8594	31425.35	26915.9
555.9224	29324.04	25249.78
555.9852	26885.89	23710.69
556.0481	35458.06	29193.43
556.111	33266.62	27920.37
556.1738	31780.93	26839.9
556.2367	29117.61	24769.48
556.2996	29680.56	24904.83
556.3624	30535.83	25255.21
556.4252	31861.81	26779.2
556.488	28364.56	24558.54
556.5508	32671.22	26573.78
556.6136	27115.44	22819.25
556.6763	28467.21	23484.77
556.739	30150.38	24562.46
556.8018	32083.43	26458.3
556.8645	26954.16	22982.57
556.9272	29567.31	23946.66
556.9899	29584.75	23588.83
557.0525	32053.56	25494.64
557.1152	28571.91	23667.73
557.1778	27429.11	22942.34
557.2404	25274.01	20828.81
557.303	28029.05	22449.31
557.3657	25840.31	21112.36
557.4282	31240.19	24894.56
557.4908	24814.95	20928.25
557.5533	24681.23	20476.56
557.6159	24759.76	20105.53

557.6783	26033.81	21181.57
557.7408	31158.61	24545.29
557.8034	28409.13	22901
557.8659	27141.68	21809.21
557.9282	34124.16	26441.83
557.9907	31441.01	25607.53
558.0531	29373.96	26043.65
558.1155	31628.29	27199.58
558.178	30466.56	25480.66
558.2403	29097.84	24008.25
558.3027	30755.14	25767.92
558.365	30310.01	26211.16
558.4273	32481.35	26822.27
558.4896	29270.71	23419.78
558.5519	30657.68	24545.59
558.6143	36978.84	30901.61
558.6766	48959.12	43889.75
558.7388	60135.92	57354.24
558.801	54053.65	50994.91
558.8633	36731	33075.25
558.9255	32209.29	27031.51
558.9877	31916.8	25082.57
559.0499	32493.83	24372.65
559.1121	27494.58	21558.82
559.1742	31157.64	25354.63
559.2364	35445.52	30496.34
559.2985	43836.39	39750.26
559.3606	43143.95	38540.37
559.4226	29500.97	25547
559.4847	30072.74	23656.03
559.5468	28537.68	22534.13
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559.6709	32759.35	28540.17
559.7329	41251.82	35587.19
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559.8569	28412.82	22471.91
559.9189	27370.88	21930.84
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560.3522	23470.52	17612.63
560.4141	25931.15	19471.29
560.476	27753.46	20623.31
560.5378	22890.5	17471.46
560.5996	21805.94	16633.76
560.6614	24219.03	18519.72
560.7232	24228.22	18459.56
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560.9085	22427.49	17437.57
560.9702	23916.69	18024.11
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561.0936	23594.77	18034.05
561.1552	21764.94	16823.96
561.2169	21809.28	16683.97
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561.4634	25566.33	19160.05
561.525	23250.54	17805.05
561.5866	24071.13	18131.89
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561.7712	24173.65	18243.12
561.8326	21845.8	16792.72
561.8942	25349.13	19018.44
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562.0171	29394.01	21473.17
562.0786	29651.39	21523.12
562.14	24456.91	18591.44
562.2014	25462.4	19038.7
562.2628	23444.55	17984.81
562.3242	22906.79	17521.03
562.3856	25701.55	19370.03
562.4469	27722.8	20476.61
562.5082	23639.24	18042.75
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562.6922	24743.21	18720.88
562.7535	25324.4	19184.69
562.8148	22173.01	17146.35
562.876	27057.49	20273.59
562.9372	25398.93	19327.6
562.9985	25808.16	19938
563.0596	25684.77	19969.16
563.1209	26256.87	20748.2
563.182	23901.04	19398.79
563.2432	26010.31	21347.2
563.3043	28210.46	23205
563.3655	27198.61	22944.46
563.4266	29449.78	23257.5
563.4877	25675.18	19313.02
563.5487	22316.28	16328.59
563.6099	22446.97	16372.54
563.6709	27637.13	19406.53
563.7319	22164.56	16038.65
563.793	27100.11	19081.47
563.8539	24947.85	17980.24
563.9149	21154.12	15351.44
563.976	23165.77	16801.25
564.0369	23535.98	16865.13
564.0978	25401.58	18229.07
564.1588	22417.23	16266.01
564.2197	24117.22	17207.66
564.2806	19221.59	14143.62
564.3415	22200.97	16049.16
564.4023	22306.23	16090.23
564.4633	22110.82	16227.15
564.5241	23724.58	17034.14
564.5849	21527.64	15722
564.6457	24395.32	17393.95
564.7065	20239.84	15000.6
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564.8888	21589.35	15696.42
564.9495	20215.49	14914.1
565.0103	20163.43	14811.6

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565.1317	26825.61	19142.19
565.1923	24234.38	17565.79
565.253	24276.9	17420.82
565.3137	24944.78	17905.18
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565.4349	25766.48	18574.51
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565.5561	23587.06	17191.47
565.6166	26252.84	18816.82
565.6772	22859.8	16672.84
565.7377	21812.15	15876.03
565.7982	27048.03	19170.01
565.8588	23487.41	17071.32
565.9193	24289.63	17672
565.9797	26012.25	18718.03
566.0402	23808.64	17306.98
566.1007	23513.15	17183.33
566.1611	22216.47	16368.05
566.2214	26764.99	19292.78
566.2819	25354.92	18406.82
566.3424	27811.49	19848.93
566.4027	25579.21	18650.07
566.463	25387.35	18261.06
566.5234	21899.79	16099.46
566.5837	28429.98	20222.92
566.644	28204.17	20315.11
566.7042	23743.25	17494.49
566.7646	20905.88	15604.51
566.8248	26575.38	19130.45
566.8851	23615.05	17348.23
566.9453	24542.05	18007.31
567.0056	26626.48	19505.05
567.0657	23143.03	17199.76
567.126	28638.75	20738.68
567.1861	22059.81	16573.43
567.2463	24095.25	17965.38
567.3064	23268.92	17519.1
567.3665	28892.18	21203.7
567.4266	25543.99	18796.56

567.4868	27868.23	20407.84
567.5468	33753.08	24020.82
567.6069	29199.03	21123.25
567.667	33845.4	24070.67
567.727	26860.04	19752.47
567.7871	27287.7	19789
567.847	25795.46	19065.24
567.907	29962.88	21673.04
567.967	24785.75	18416.16
568.027	31957.67	23171.98
568.0869	33177.61	23821.66
568.1468	21954.69	16725.44
568.2068	27959.41	20571.56
568.2667	26119.31	19277.82
568.3265	27175.72	20158.83
568.3864	23500.45	17582.25
568.4462	25509.69	18975.23
568.506	25080.82	18472.6
568.5659	24884.8	18426.37
568.6257	21237.12	16197.49
568.6855	28744.48	21260.08
568.7452	27121.93	20270.07
568.805	25784.97	19404.49
568.8648	27970.18	20535.32
568.9246	25271.35	18702.75
568.9842	29840.55	21310.44
569.044	27073.03	19670.23
569.1036	25333.59	18550.08
569.1633	27729.93	20152.18
569.2229	24310.45	17686.09
569.2825	25424.69	18681.65
569.3422	30448.68	21740.6
569.4018	30840.91	21929.59
569.4614	27382.12	19860.11
569.521	29916.18	21385.61
569.5805	27368.67	19952.43
569.64	27523.54	19937.99
569.6996	25596.99	18725.32
569.7592	26003.59	19053.21
569.8186	29319.22	20877.68

569.8781	24954.86	18328.21
569.9376	24803.58	18213.57
569.997	27061.23	19694.46
570.0564	24444.11	18079.87
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570.4721	29057.28	20775.33
570.5314	27739.87	20164.02
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570.65	26619.86	19246.53
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570.887	28718.24	20788.64
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571.0054	19304.5	14594.06
571.0646	30766.42	22177.79
571.1237	22239.19	16662.13
571.1829	30113.91	21680.29
571.242	25812.43	18751.52
571.3011	24874.95	18103.78
571.3602	30429.65	21370.54
571.4193	27820.26	20098.44
571.4784	26663.4	19147.26
571.5375	23444.82	17401.82
571.5965	24312.2	17552.23
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571.7145	23470.43	17158.93
571.7734	21270.08	16060.28
571.8325	27818.3	20219.7
571.8914	29114.44	20898.03
571.9503	28360.87	20514.61
572.0093	22228.6	16709.55
572.0682	22105.41	16415.46
572.1271	23576.73	17447.45
572.186	24398.66	17950.07

572.2449	24142.17	18071.76
572.3037	30924.31	22199.69
572.3626	22612.01	17039.45
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572.539	22062.75	16401.4
572.5977	16151.38	12563.15
572.6565	24172.08	17820.6
572.7152	23740.42	17613.23
572.774	22220.82	16559.66
572.8327	22410.01	16801.76
572.8914	22790.17	16954.67
572.9501	20735.58	15744
573.0088	25561.83	18642.86
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573.1847	25498.42	18836.83
573.2433	31084.67	22171.66
573.3019	30488.33	21890.92
573.3604	24599.92	18153.68
573.419	29800.7	21516.7
573.4775	22310.35	16787.06
573.536	25657.71	18914.38
573.5945	26974.71	19803.43
573.653	23607.15	17623.29
573.7116	25275.76	18770.77
573.77	26824.28	19510.18
573.8285	19458.75	14813.14
573.8869	30350.74	21929
573.9453	26663.38	19585.47
574.0037	23869.69	17894.55
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574.1205	27859.41	20221.81
574.1789	21765.11	16355.47
574.2372	28725.13	20768.87
574.2955	26628.8	19208.07
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574.7034	25415.1	18813.24
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574.8198	30953.22	22295.23
574.878	24681.94	18157.53
574.9361	25102.94	18554.6
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575.0524	23493.65	17450.23
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577.3071	21571.26	16275.92
577.3646	26665.32	19663.43
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577.5945	20398.51	15709.58
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577.7093	25446.68	19011.94
577.7667	25646.56	18979.47
577.8241	25381.92	19026.67
577.8814	26345.33	19840.36
577.9387	28582.37	21482.2
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578.0534	31785.03	24318.82
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578.2825	27260.06	20451.17
578.3398	24567.43	18564.77
578.397	26054.92	19566.37
578.4542	22940.49	17240.78
578.5114	22299.66	17045.3
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578.6828	27424.98	19964.38
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578.9113	24519.75	18177.67
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579.4243	26534.5	19873.34
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579.6519	30278.04	22481.46
579.7087	27131.22	20367.38
579.7656	31574.81	23625.5
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579.8792	32630.82	24924.85
579.936	37301.06	28263.75
579.9928	43497.11	33150.81
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580.1631	39140.23	29418.6
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580.5598	24596.25	18550.43
580.6163	24440.04	18295.74
580.6729	25964.33	19516.79
580.7295	27763.68	20586.06
580.7861	22720.52	17422.21
580.8427	23959.49	18045.17
580.8992	23890.67	18297.59
580.9556	22656.7	17530.82
581.0122	26334.11	20151.89
581.0686	28738.22	21896.55
581.1251	30390.5	23041.23
581.1815	27429.21	20809.45
581.238	26804.77	20264.44
581.2944	29036	21479.2
581.3508	23020.5	17619.06
581.4072	20306.32	15646.68

581.4636	22583.9	17402.6
581.5199	28322.78	21165.31
581.5763	27001.83	20405.86
581.6326	34588.6	25245.96
581.689	28047.37	21119.96
581.7452	22976.88	17755.75
581.8015	20890.81	16332.5
581.8578	24241.19	18661.66
581.914	22874.38	17774.17
581.9702	24385.87	18686.84
582.0264	23180.01	17783.66
582.0826	28805.15	21599.63
582.1388	27590.19	20869.18
582.195	26216.76	19744.14
582.2512	28869.34	21450.28
582.3073	26197.3	19839.43
582.3634	23236.39	17885.68
582.4196	23228.07	17769.97
582.4756	28746.57	21693.56
582.5317	26418.33	20036.17
582.5877	24585.72	18734.89
582.6438	26894.59	20418.51
582.6998	24453.12	18778.3
582.7558	20629.66	16221.12
582.8118	21303.26	16858.58
582.8677	26233.46	20334.38
582.9238	26714.99	20738.42
582.9797	32323.04	24806.24
583.0357	34333.01	26751.98
583.0915	36314.05	27993.67
583.1474	35719.71	27410.53
583.2033	24933.75	19461.61
583.2592	24750.65	19035.38
583.3151	25375.35	19256.48
583.3709	28047.88	21236.19
583.4267	26967.7	20352.79
583.4824	24577.29	19030.97
583.5383	23461.33	18315.52
583.5941	24199.88	18775.77
583.5986	24481.87	18958.86

583.6497	27619.05	20996.55
583.6705	27140.71	20759.18
583.7055	26353.21	20373.73
583.7423	25478.92	19646.63
583.7613	25039.24	19280.64
583.8141	24015.47	18636.63
583.817	23965.06	18605.54
583.8727	24485.93	18900.65
583.8859	25847.06	19734.91
583.9284	30150.87	22373.91
583.9576	25995.76	19703.66
583.984	22342.32	17355.31
584.0294	22603.59	17551.22
584.0397	22658.3	17594.72
584.0953	22299.72	17406.58
584.1012	22327.52	17407.02
584.1509	22504.7	17368.06
584.1729	22922.27	17641.7
584.2065	23582.33	18080.22
584.2446	24229.29	18636.86
584.262	24638.68	18964.73
584.3163	26696.01	20265.8
584.3176	26736	20290.96
584.3732	24202.95	18671.19
584.3879	23672.01	18274.76
584.4287	22155.43	17142.16
584.4597	23978.2	18394.79
584.4842	25573.32	19485.48
584.5313	23498.19	18000.61
584.5397	23062.89	17694.13
584.5952	22129.36	17165.7
584.603	22670.87	17490.99
584.6506	26558.45	19850.89
584.6746	28287.26	21098.47
584.7062	30176.73	22486.87
584.7462	24237.69	18640.87
584.7615	22041.29	17222.36
584.817	27823.22	21234.27
584.8179	27736.5	21173.52
584.8724	22606.83	17524.75

584.8895	23364.31	18030.05
584.9278	25260.62	19314.58
584.9611	25384.71	19326.81
584.9832	25206.2	19152.72
585.0326	26165.25	19889.73
585.0385	26303.5	19993.28
585.0939	23684.31	18107.55
585.1042	24538.14	18705.21
585.1492	28562.52	21495.55
585.1757	27482.16	20811.41
585.2045	26192.65	20012.8
585.2472	25896.01	19889.77
585.2598	25769.79	19824.18
585.315	31671.68	23793.21
585.3187	31508.38	23708.36
585.3704	28590.96	22093.75
585.3902	27929.32	21696.84
585.4256	27225.66	21293.32
585.4617	28092.2	22149.22
585.4808	28406.66	22512.95
585.5331	34191.92	26972.96
585.536	34522.97	27235.01
585.5913	31853.88	26815.87
585.6046	32237.26	27198.96
585.6464	34310.25	29166.34
585.6761	32550.25	27642.6
585.7016	29642.59	24975.65
585.7475	27081.35	21985.32
585.7568	26756.42	21534.06
585.8119	26806.75	20830.8
585.8189	26618.24	20651.13
585.867	26908.08	20693.34
585.8903	27206.97	20811.36
585.9221	26610.25	20326.14
585.9617	25111.47	19265.88
585.9772	24573.44	18889.75
586.0322	25245.66	19536.55
586.0331	25282.3	19559.63
586.0873	28629.89	21610.9
586.1045	29709.6	22395.7

586.1423	31691.73	23869.06
586.1758	27901.98	21233.07
586.1974	25218.29	19378.21
586.2471	23532.89	18273.72
586.2524	23364.24	18161.85
586.3074	26886.16	20407.39
586.3184	26924.98	20464.88
586.3623	27681.36	21114.57
586.3898	27087.79	20681.6
586.4173	26510.36	20243.11
586.4611	27486.17	21035.26
586.4723	27821.52	21294.47
586.5272	27426.5	21044.68
586.5324	27583.77	21147.78
586.5822	27939.07	21358.04
586.6036	26739.98	20551.59
586.637	25319	19602.57
586.6749	24828.27	19325.87
586.6919	24607.73	19188.88
586.7461	26970.63	20744.73
586.7468	26990.33	20757.41
586.8016	25310.16	19566.38
586.8173	25792.83	19879.72
586.8564	28676.08	21735.25
586.8885	28797.04	21866.78
586.9112	28541.62	21731.98
586.9597	28011.17	21360.11
586.9661	27967.34	21333.16
587.0209	26076.02	20126.83
587.0309	26740.92	20573.68
587.0756	29009.23	22071.38
587.1021	28490.6	21824.11
587.1304	27964.19	21584.54
587.1732	29671.27	22589.2
587.1851	30384.91	23034.54
587.2398	27621.71	21420.84
587.2443	27810.02	21542.34
587.2946	29162.47	22353.78
587.3154	28084.05	21727.45
587.3492	26966.54	21116.46

587.3865	29603.55	22794.76
587.4039	30306.88	23235.7
587.4576	31149.74	23899.95
587.4586	31164.72	23910.81
587.5132	25860.88	20292.39
587.5288	26735.94	20942.59
587.5678	31252.21	24145.68
587.5998	30696.63	23849.1
587.6224	29265.47	22940.85
587.6709	27612.03	21887.91
587.6769	27434.05	21775.35
587.7316	28603.54	22777.65
587.7419	28818.3	22961.34
587.7862	30172.65	24059
587.813	29716.69	23787.33
587.8408	29398.54	23571.92
587.884	30457.41	24478.85
587.8952	30657.8	24657.56
587.9498	30621.88	24816.34
587.955	30601.89	24823.96
588.0042	30553.63	25100.28
588.026	31835.54	26109.57
588.0587	34283.47	27965.59
588.097	33220.9	27593.48
588.1132	32868.29	27479.47
588.1677	36984.74	30789.31
588.1679	36981.26	30795.07
588.2221	37935.79	32221.33
588.2388	37597.04	32284.08
588.2765	36532.5	32277.18
588.3098	38963.65	34734.83
588.3309	40776.64	36494.88
588.3807	42517.75	39231.22
588.3853	42639.18	39452.3
588.4396	48534.62	46188.93
588.4516	51126.04	48800.01
588.494	62508.3	59696.01
588.5225	68247.04	66646.81
588.5483	73408.61	73196.59
588.5934	96885.1	97002.2

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588.657	137682.7	140900.9
588.6643	144167.1	147892.9
588.7112	191825.6	200437.6
588.7351	218189.9	231239.1
588.7655	273190.3	294449.5
588.806	385165.8	420067.4
588.8198	465722.8	508461.1
588.874	760855.2	829574.9
588.8768	767388	836746.6
588.9282	773615.5	840722.5
588.9476	764298.3	828752.9
588.9825	476894	517343
589.0184	220498.9	239118
589.0367	177899.6	191030.8
589.0891	95648.92	97575.2
589.0908	95093.53	96902.45
589.145	85803.45	86294.35
589.1599	86815.11	86652.91
589.1991	98638.13	97302.99
589.2306	107098.7	106658.9
589.2532	117902.9	117886.2
589.3014	146976.4	148485.1
589.3073	151093.5	153360.3
589.3615	197185.5	207774.7
589.3721	213392	226423.8
589.4156	340536.3	368937.4
589.4428	416369.9	453677.6
589.4696	565870	615449.5
589.5136	723307	783553.1
589.5236	674949.6	730338.6
589.5777	380033.8	405238.6
589.5842	348015.4	370162.1
589.6317	157236.6	163957.4
589.6549	76690.15	76906.08
589.6858	60864.98	59535.84
589.7255	48033.65	44368.04
589.7398	47537.07	43198.24
589.7936	39784.12	35278.56
589.7962	39569.52	35009.39

589.8476	39387.49	33587.43
589.8668	40148.57	33672.14
589.9016	39566.4	32824.19
589.9374	34880.48	29215.94
589.9554	33966.76	28456.2
590.0081	35627.03	29244.74
590.0093	35613.37	29234.57
590.0632	32329.78	26868.1
590.0787	31630.31	26347.44
590.1171	32642.25	26806.16
590.1492	32285.99	26339.88
590.171	31955.34	25966.85
590.2197	33625.98	26836.88
590.2248	33680.28	26868.85
590.2786	32237.25	25862.18
590.2903	31937.2	25637.46
590.3325	35070.72	27713.09
590.3608	37866	29590.16
590.3862	38025.11	29647.64
590.4313	35642.42	27934.89
590.4401	34588.38	27207.75
590.4938	30217.77	24217.27
590.5018	29329.33	23599.79
590.5475	31414.04	24938.17
590.5724	33162.23	26117.6
590.6013	33479.52	26407.64
590.6428	33862.05	26705.53
590.655	33833.93	26661.19
590.7086	34073.85	26695.65
590.7133	33967.4	26617.92
590.7623	33747.59	26406.56
590.7838	33160.83	26004.45
590.816	34723.98	27047.83
590.8542	38190.6	29274.01
590.8696	36406.23	28068.45
590.9232	29486.3	23453.92
590.9246	29274.51	23311.56
590.9769	30025.37	23897.3
590.9951	30439.08	24227.15
591.0305	31534.28	24949.95

591.0654	33531.4	26280.87
591.0841	33483.16	26247.9
591.1357	31566.5	24899.94
591.1376	31650.81	24957.22
591.1912	36658	28332.14
591.2061	36804.42	28458.56
591.2448	34744.83	27023.38
591.2765	34200.47	26574.37
591.2982	33004.62	25783.64
591.3468	29813.54	23660.46
591.3518	29975.75	23770.12
591.4052	31083.11	24579.69
591.4171	31789.72	25053.75
591.4587	31558.74	24891.55
591.4874	29946.07	23822.8
591.5121	30475.7	24155.58
591.5577	32817.47	25684.96
591.5656	32997.54	25824.32
591.619	33985.44	26657.93
591.6281	34207.19	26835.38
591.6724	34641.57	27067.91
591.6983	34008.87	26567.4
591.7258	32285.59	25404.97
591.7686	30049.38	23963.93
591.7791	30642.03	24374.05
591.8325	34102.77	26709.53
591.8388	34421.85	26926.49
591.8859	31313.48	24829.16
591.9091	29968.04	23925.65
591.9392	32385.11	25527.28
591.9793	35578.44	27672.87
591.9924	34847.42	27214.55
592.0458	31648.47	25135.19
592.0494	31336.5	24931.39
592.0991	33748.57	26482.1
592.1196	35177.07	27431.76
592.1523	32931.42	25975.49
592.1898	30189.94	24181.65
592.2055	31573.33	25165.12
592.2587	35799.1	28163.31

592.26	35871.58	28215.5
592.312	32623.72	25918.9
592.33	31099.54	24823.69
592.3652	33414.29	26315.46
592.4002	35650.8	27820.21
592.4183	35077.59	27457.31
592.4703	32770.87	25932.29
592.4715	32760.29	25926.12
592.5247	31871.7	25394.91
592.5404	30997.61	24811.54
592.5778	36286.16	28496.68
592.6105	41984.4	32469.84
592.6309	39686.36	30856.8
592.6806	33028.04	26198.98
592.684	33243.21	26347.37
592.7371	36133.81	28336.97
592.7507	36951.98	28902.58
592.7902	37073.11	29022.06
592.8207	36807.15	28878.93
592.8432	35338.46	27906.36
592.8907	32508.1	25974.82
592.8962	32444.7	25935.57
592.9492	31691.89	25530.26
592.9608	31353.27	25314.69
593.0022	30454.23	24768.56
593.0308	30079.3	24558.83
593.0552	32461.16	26189.28
593.1007	37482.37	29618.18
593.1082	37421.8	29574.53
593.1611	35616.59	28352.1
593.1707	35413.39	28211.6
593.214	36445.66	29374.11
593.2407	36844.3	29932.63
593.267	33612.92	27826.56
593.3106	28162.1	24263.97
593.3199	28735.33	24644.44
593.3728	32181.26	26906.88
593.3805	32680.63	27232.5
593.4257	32858.78	27205.37
593.4504	32897.5	27146.87

593.4785	34193.9	27922.21
593.5204	36065.74	29029.96
593.5313	36073.32	29024.54
593.5842	36078.32	28973.62
593.5903	36039.88	28940.51
593.637	35771.48	28732.24
593.6602	35613.88	28612.82
593.6898	35529.05	28633.68
593.73	35303.82	28585.08
593.7425	35584.25	28693.09
593.7999	36623.64	29012.91
593.8697	32030.11	25955.97
593.9395	39520.64	30774.44
594.0093	35327.41	28023.96
594.0792	33281.88	26531.37
594.1489	31969.03	25682.15
594.2186	32701.61	26233.54
594.2884	30968.3	24884.24
594.3581	31919.35	25532.26
594.4279	37665.08	29560.84
594.4976	32256.85	25685.09
594.5673	28721.07	23317.14
594.637	32925.25	26043.11
594.7066	33638.48	26552.01
594.7763	31983.54	25634.78
594.8459	30584.16	24777.56
594.9156	35894.27	27984.01
594.9852	33906.92	26915.3
595.0548	35416.68	28155.88
595.1243	34164.87	27156.74
595.1939	31319.61	25180.64
595.2634	36949.81	29120.38
595.333	32055.19	25729.96
595.4025	35374.61	28150.94
595.472	34843.38	27819.45
595.5416	34149.34	27366.9
595.611	34552.83	27790.51
595.6805	31812.2	25942.87
595.7499	32430.06	26225.4
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596.0277	31936.54	26109.04
596.097	32109.06	26099.52
596.1664	35760.81	28455.09
596.2358	29802.97	24496.3
596.3051	31503.49	25711.05
596.3745	29374.57	24289.55
596.4437	31760.37	25858
596.513	34836.38	28131.03
596.5823	31890.03	26283.64
596.6516	34794.13	28186.16
596.7209	32171.87	26385.67
596.7901	34767.3	28413.33
596.8593	30482.16	25404.69
596.9286	36682.73	29600.71
596.9978	33903.85	27744.09
597.067	31079.39	25870.09
597.1361	38946.97	31356.24
597.2053	35535.49	28831.31
597.2744	33432.71	27590.47
597.3436	33945.2	27973.75
597.4127	34514.77	28431.61
597.4818	27194.41	23351.29
597.5509	37953.53	30433.95
597.62	32606.92	26997.98
597.689	36623.18	29747.94
597.7581	32993.84	27363.44
597.8271	29563.51	24935.62
597.8962	31890.84	26561.5
597.9652	33082.31	27114.58
598.0341	30968.3	25927.8
598.1031	30347.55	25579.75
598.1721	35550.97	29356.29
598.241	35696.81	29833.89
598.3099	32099.62	27500.41
598.3789	32457.25	27462.12
598.4478	31551.08	26914.04
598.5167	33651.5	28101.85
598.5856	36369.35	29923.15

598.6545	32301.38	27147.66
598.7233	28403.74	24432.17
598.7921	29459.25	25176.8
598.861	35673.78	29299.7
598.9298	36688.98	30162.59
598.9986	35351.43	29212.37
599.0673	35332.89	29140.8
599.1361	32007.12	26862.8
599.2048	29511.7	25170.11
599.2736	33128.71	27761.05
599.3424	34579.06	29034.61
599.4111	30218.61	25924.29
599.4797	28173.58	24461.44
599.5484	30142.36	25481.08
599.6171	31120.46	26183.13
599.6857	31938.88	26915.76
599.7544	30029.66	25607.2
599.823	31494.12	26589.35
599.8917	32710.49	27178.72
599.9602	27645.08	24221.66
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600.303	33698.5	28956.8
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600.44	31895.83	27922.67
600.5085	38111.94	31693.66
600.577	29577.6	25737.72
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600.7139	33761.33	28152.35
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601.0558	30020.79	25450.47
601.1242	32094.21	26920.35
601.1925	28185.73	24126.45
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601.3292	33240.04	27707.38

601.3975	30876.6	26309.95
601.4658	31587.92	26849.81
601.534	32087.14	26826.36
601.6023	29604.78	25235.68
601.6705	32828.82	27536.54
601.7388	31538.64	26851.52
601.807	30696.78	26234.94
601.8752	33183.28	28048.83
601.9433	34816.06	29157.9
602.0115	27888.93	24576.09
602.0797	29052.92	25179.02
602.1478	29983.89	25646.79
602.2159	35620.72	29646.1
602.2841	30192.57	26103.11
602.3521	32557.65	27289.8
602.4202	33315.14	28010.74
602.4883	29518.69	25627.93
602.5564	29662.29	25751.54
602.6244	31893.63	27186.79
602.6924	30262.87	26089.57
602.7605	28897.87	25399.93
602.8285	33284.18	28356.34
602.8964	35311.52	29721.79
602.9644	28166.78	24933.42
603.0324	34106.42	29083.25
603.1003	33143.92	28540.12
603.1682	34068.79	29116.04
603.2362	31150.27	27390.51
603.304	30950.05	27352.75
603.372	32019.52	27644.37
603.4398	32707.46	28014.85
603.5077	32425.89	27710.34
603.5756	31959.85	27486.54
603.6434	28892.53	25357.96
603.7112	29943.27	25932.02
603.779	30670.36	26389.1
603.8467	33108.4	27873.78
603.9145	31849.23	27264.17
603.9822	32607.52	27816.29
604.05	32517.75	27591.4

604.1178	30288.83	26381.44
604.1855	30435.76	26508.76
604.2532	32835.54	28096.36
604.3209	31269.83	26947.82
604.3886	36808.23	30924.07
604.4562	34237.07	28942.8
604.5239	34554.59	29379.36
604.5915	32881.07	28202.66
604.6591	37274.31	31090.81
604.7267	32297.21	28154.22
604.7942	30912.44	27141.42
604.8618	34553.94	29520.19
604.9294	36543.33	30808.95
604.997	36668.88	30689.54
605.0645	29977.22	26291.35
605.132	29948.63	26459.3
605.1995	35394.74	30406.47
605.267	31462.79	27589.39
605.3345	37880.86	31818.91
605.4019	35006.61	29966.05
605.4694	30635.58	27003.67
605.5368	31325.36	27703.75
605.6042	33607.89	29308.56
605.6716	30818.59	27658.1
605.739	31602.81	28214.74
605.8063	34625.13	30185.95
605.8737	34941.07	30677.32
605.941	33098.25	28893.53
606.0084	35798.39	30743.02
606.0757	32409.77	28403.91
606.1429	28884.9	25963.88
606.2103	31598.74	27740.03
606.2775	31469.92	27484.36
606.3449	31876.28	27908.21
606.4121	35968.14	30864.75
606.4793	28562.64	25758.36
606.5465	31940.64	28150.54
606.6137	33969.49	29558.88
606.6808	30888.27	27500.38
606.7481	32843.68	28440.63

606.8152	30797.83	27124.67
606.8823	29125.04	25711.24
606.9495	32462.13	27761.17
607.0165	28009.93	24897.83
607.0837	27299.72	24313.69
607.1508	29052.34	25726.28
607.2178	29175.14	25780.84
607.2849	31177.87	27152.02
607.3519	33185.68	28875.99
607.419	31200.19	27540.92
607.486	30246.59	26480.11
607.553	30069.06	26148.34
607.6199	25340.33	23062.19
607.6869	29102.6	25287.81
607.7539	30582.33	26151.46
607.8208	32179.29	27083.78
607.8877	33125.29	27822.22
607.9547	29190.23	25712.78
608.0216	31639.87	27122.5
608.0884	29425.58	25738.68
608.1553	31437.31	26922.8
608.2221	28568.68	25284.51
608.2889	30215.8	26451.74
608.3558	29166.31	25726.85
608.4226	28286.7	25139.17
608.4894	27384.98	24396.68
608.5562	29939.56	26172.43
608.6229	29233.28	26077.12
608.6897	29283.87	25822.9
608.7564	33968.3	29198.14
608.8232	35691.31	30262
608.8898	30384.76	27091.18
608.9565	28338.46	25232.03
609.0233	30096.88	26654.96
609.09	32593	28386.39
609.1566	32611.88	28279.16
609.2232	26499.93	24063.73
609.2899	27820.91	24620.23
609.3565	30484.93	27139.2
609.423	33866.73	29447.36

609.4897	29082.93	26121.38
609.5562	33218.76	29768.68
609.6227	36705.85	32219.7
609.6892	32839.67	29712.24
609.7557	31444.76	28455.41
609.8223	33584.81	29639.6
609.8888	31972.73	28250.86
609.9553	30429.93	27207.65
610.0217	29583.86	27280.28
610.0882	32593.58	30245.79
610.1546	38931.1	37988.37
610.2211	48552.38	48554.84
610.2874	36405.89	35691.81
610.3539	32183.38	29736.84
610.4202	31281.82	28016.73
610.4866	29867.54	27192.19
610.5529	30146.24	27059.11
610.6193	29191.03	26556.42
610.6856	31919.89	28413.35
610.7518	29087.91	26852.83
610.8182	36601.28	31823.02
610.8845	28387.7	26516.68
610.9507	34268.63	30485.01
611.017	30553.8	28176.27
611.0832	30528.02	28121.18
611.1494	33987.64	30305.33
611.2156	30519.65	28067
611.2818	31232.33	28790.42
611.348	33035.23	29994.6
611.4141	34009.96	30783.21
611.4803	33758.2	30787.14
611.5464	34433.13	31233.83
611.6125	34047.57	31009.16
611.6786	31685.24	29678.93
611.7447	33073.04	30482.9
611.8108	33422.28	31301.09
611.8768	37738.08	34529.49
611.9429	38838.88	35893.43
612.0089	44589.41	41643.29
612.0749	51874.85	51752.14

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612.2069	75212.25	76067.3
612.273	38210.91	36789.51
612.3388	39667.12	36378.41
612.4048	38862.89	35316.62
612.4707	38263.94	34765.86
612.5366	34099.31	32040.98
612.6025	32108.14	30538.56
612.6684	39830.16	35927.54
612.7343	35368.8	33146.04
612.8001	35075.94	32478.21
612.866	36185.07	33300.11
612.9318	38261.96	34878.97
612.9976	33096.06	31347.98
613.0634	33342.16	31421.68
613.1292	36463.43	33514.53
613.195	38123.43	34563.98
613.2607	34784.1	32562.28
613.3264	31919.27	30587.73
613.3922	34237.12	32008.18
613.4578	33126.69	31272.43
613.5235	33755.64	31851.41
613.5892	35789.73	33377.67
613.6549	36443.88	33701.56
613.7206	36251.45	33501.98
613.7861	35266.18	33067.62
613.8518	39897.87	36445.33
613.9174	34192.75	32519.6
613.983	36181.39	34054.52
614.0486	35216.47	33560.56
614.1142	34322.31	32759.45
614.1798	35839.12	33704.94
614.2452	35617.25	33858.6
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614.3762	35481	33514.72
614.4417	37717.01	35324.05
614.5072	36461.96	34668.26
614.5726	36316	34625.3
614.6381	38429.41	36137.37
614.7036	35226.55	33950.94

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614.8344	35815.8	34514.42
614.8998	36170.36	34786.65
614.9652	34428.63	33684.36
615.0305	40928.93	38052.21
615.0958	40335.12	37823.31
615.1611	38997.04	37002.85
615.2264	39415.97	37262.4
615.2918	37585.99	36350.05
615.3571	43206.53	40150.11
615.4223	45549.73	42061.65
615.4876	34801.47	34579.49
615.5529	38804.6	37583.09
615.618	39779.02	38108.33
615.6832	40258.65	38640.98
615.7485	38683.48	38017.02
615.8137	42209.45	40608.89
615.8788	42888.52	41642.47
615.944	44755.52	44336.99
616.0092	52090.08	52484.21
616.0742	75923.5	77209.42
616.1393	121023.7	128599.1
616.2044	111518.2	113705.9
616.2695	56033.6	54844.2
616.3345	42244.33	42770.63
616.3997	42185.89	42132.07
616.4647	42038.25	41486.45
616.5297	46208.02	44412.29
616.5947	43093.27	43033.37
616.6597	44585.04	43892.03
616.7247	45807.25	44955.7
616.7896	49130.96	48174.61
616.8546	51420.59	52092.97
616.9194	50605.27	51532.74
616.9844	44287.03	45003.17
617.0493	43975.6	43794.77
617.1142	41740.93	42245.09
617.1791	40462.71	41548.05
617.244	41492.76	42457.99
617.3088	42459.58	42858.76

617.3736	40109.65	41274.84
617.4384	46126.57	45748.95
617.5032	38823.5	40798.25
617.568	44626.83	44898.48
617.6328	42134.13	43384.03
617.6976	43573.68	44428.3
617.7623	41823.59	43546.52
617.827	43587.45	45246.96
617.8917	44027.44	45035.97
617.9564	45077.97	45692.99
618.0211	43985.82	44931.56
618.0858	42963.42	44175.58
618.1505	44071.38	44792.65
618.215	45186.88	45195.76
618.2797	42024.01	43371.21
618.3443	43524.18	43781.3
618.4089	44236.05	43725.68
618.4735	44205.77	43723.64
618.538	43155.17	42810.15
618.6026	41360.67	41901.51
618.6671	40169.07	40987.05
618.7317	40695.84	41736.84
618.7961	44735.93	44618.31
618.8606	41447.14	42347.21
618.9251	43729.68	44547.88
618.9896	42430.85	43749.19
619.054	42417.64	43817.06
619.1185	46143.74	45671.09
619.1829	47158.91	46336.07
619.2473	43724.58	43776.92
619.3117	44963.4	44362.48
619.376	44573.73	44470.8
619.4404	42916.56	43259.82
619.5048	43580.01	43668.52
619.5691	41513.79	42493.09
619.6334	43616.48	44124.46
619.6976	50377.49	48276.86
619.762	42034.22	42853.02
619.8262	43824.58	44127.44
619.8904	43214.1	44105.79

619.9547	41625.01	43059.82
620.0189	46775.28	46322.73
620.0832	40180.26	42337.24
620.1473	49144.52	48521.65
620.2116	42838.26	44681.87
620.2757	48710.58	48514.41
620.3398	46370.41	47170.6
620.404	46446.49	47604.29
620.4681	43560.3	46185.91
620.5322	47130.03	48661.01
620.5963	44563.39	46934.73
620.6603	46706.92	47944.46
620.7244	50070.71	49863.73
620.7885	44925.67	46242.57
620.8525	44709.43	46109.79
620.9166	46392.28	47073.09
620.9806	52080.01	50738.59
621.0446	43188.45	44421.32
621.1085	44607.51	44759.78
621.1725	42910.11	42919.79
621.2365	41371.08	41902.35
621.3004	45535.57	44852.91
621.3643	44266.22	44161.11
621.4282	42299.7	42924.68
621.492	41795.15	42650.71
621.5559	44262.81	44094.07
621.6198	43181.63	43145.2
621.6836	43957.64	44124.62
621.7474	42859.42	43373.61
621.8113	42075.47	42715.43
621.875	42467.87	43180.53
621.9388	44084.69	44551.51
622.0026	43464.71	44128.86
622.0664	41612.1	42658.34
622.1301	47723.2	46228.77
622.1938	44423	44174.12
622.2575	46931.82	45896.85
622.3212	42595.44	43371.14
622.3849	43011.26	43441.44
622.4485	46740.94	46119.69

622.5122	42509.28	42996.79
622.5758	45235.15	44636.28
622.6394	47141.86	45896.22
622.703	44517.74	44185.05
622.7666	46183.46	45157.75
622.8302	42660.34	42928.92
622.8937	42026.02	42740.13
622.9573	42518.91	43133.18
623.0208	40574.47	41846.98
623.0844	43532.3	43542.2
623.1479	46837.88	45605.5
623.2114	47916.18	46412.24
623.2748	43088.6	42985.83
623.3382	42744.84	42856.83
623.4016	41774.98	42247.69
623.465	47377.07	45888.38
623.5285	43924.88	43300.92
623.5919	41778.86	41825.74
623.6553	47010	45274.1
623.7187	42006.19	41741.96
623.782	41587.77	41327.87
623.8453	40259.57	40408.59
623.9087	42315.18	41622.45
623.972	42922.66	42092.89
624.0353	42706.41	42039.63
624.0986	42844.98	41630.93
624.1618	43112.48	41951.39
624.225	42475.81	41768.53
624.2882	41239.76	41236.17
624.3514	42586.16	41918.95
624.4147	45708.82	43844.84
624.4778	43677.67	42254.95
624.541	43513.81	42180.14
624.6041	39735.58	39767.16
624.6673	44134.91	42167.48
624.7305	41626.85	40956.89
624.7936	41814.32	40703.9
624.8566	38570.13	38692.5
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624.9829	41783.43	40403.59

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625.1089	37039.16	37213.15
625.1719	36124.82	36598.68
625.2349	39553.06	38581.73
625.2979	39506.57	38374.13
625.3608	37496.58	36794.62
625.4238	37896.42	37166.73
625.4868	40360.82	38652.2
625.5497	36111.54	35632.04
625.6127	38874.34	37312.23
625.6755	38936.77	37427.25
625.7385	37715.11	36395.75
625.8013	38314.71	36574.62
625.8641	34411.82	33493.67
625.927	33814.13	32764.44
625.9898	34151.4	33106.58
626.0526	33495.86	32851.32
626.1154	39427.83	36030.37
626.1782	36224.74	33587.68
626.241	32436.33	31130.17
626.3037	32408.93	30696.68
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626.6173	30796.71	29159.77
626.6799	31529.01	29231.95
626.7426	28798.58	27245.25
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626.8679	28284.37	26793.84
626.9304	31385.21	28210.5
626.993	26572.93	25249.81
627.0555	31691.36	28279.13
627.1181	30053.35	27232.35
627.1807	30846.57	27353.76
627.2432	29254.21	26256.48
627.3057	29991.25	26517.66
627.3682	26744.29	24621.53
627.4307	27425.66	24932.21
627.4932	26199.76	24038.14

627.5556	25929.45	23796.16
627.6181	25111.34	23289.31
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627.8052	25718.11	23054.05
627.8676	27508.8	23840.48
627.93	25847.15	22811.44
627.9924	24225.93	21822.31
628.0546	29866.3	25343.06
628.117	23993.21	21329.05
628.1793	23745.01	20979.65
628.2416	21996.8	20065.46
628.3038	22103.12	19885.03
628.3661	23617.5	20828.28
628.4284	21798.1	19449.5
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628.615	24969.4	21368.21
628.6771	23713.02	20424.49
628.7393	22880.72	19991.59
628.8014	23254.35	20242.67
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629.1741	21594.37	18487.59
629.2361	21384.31	18448.66
629.2981	25372.62	20643.46
629.3601	22031.65	18491.06
629.4221	24616.28	19831.99
629.4841	20532.23	17182.36
629.546	19496.87	16732.31
629.608	19576.15	16671.24
629.6699	24611.84	19563.52
629.7319	24562.82	19920.64
629.7938	20497.72	17324.43
629.8557	20850.89	17421.06
629.9175	22811.84	18575.47
629.9794	19239.05	16367.98

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630.1032	21399.19	17636.39
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630.2268	18697.76	15975.38
630.2886	20564.58	16909.49
630.3503	19570.08	16304.49
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630.4738	20668.81	17027.53
630.5355	22633.04	17999.49
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630.6589	18247.23	15301.93
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631.275	17287.89	14615.9
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631.3981	17738.16	14566.04
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631.644	19007.62	15281.37
631.7054	21500.35	16954.17
631.7669	19021.5	15306.21
631.8283	18522.11	14713.76
631.8897	18139.98	14515.97
631.9511	19111.39	15248.38
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632.1964	22138.51	17110.19
632.2578	17702.93	14237.32
632.319	19235.49	15289.81
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632.4416	19331.83	15288.18

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632.564	20880.89	15929.74
632.6252	18645.3	14599.37
632.6865	19982.65	15518.08
632.7476	20162.15	15624.18
632.8088	18793.24	14660.92
632.8699	17080.13	13627.43
632.9311	18216.51	14478.16
632.9922	20384.01	15892.3
633.0532	16222.77	13269.37
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633.1755	16915.09	13737.95
633.2365	19295.84	14876.23
633.2976	17502.65	14011.11
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633.4806	16819.88	13545.21
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634.4545	18102.82	14185.97
634.5153	16771.87	13018.56
634.576	18073.41	13993.45
634.6367	17770.63	13775.33
634.6974	20378.62	15325.39
634.7581	16699.78	12847.39
634.8187	16987.01	13351.39
634.8793	18905.97	14430.67

634.9399	19036.28	14399.31
635.0006	17257.49	13457.43
635.0612	17754.25	13578.94
635.1218	14445.68	11831.83
635.1823	17992.94	13764.41
635.2429	20465.48	15227.67
635.3035	16014.22	12584.35
635.364	15714.54	12583.35
635.4245	14962.55	12117.84
635.485	17072.06	13177.54
635.5454	16935.41	13005.68
635.6059	15338.19	12213.85
635.6664	15976.23	12612.9
635.7268	16121.39	12789.81
635.7872	17771.34	13573.88
635.8476	17460.05	13482.47
635.908	16055.55	12520.81
635.9684	16008.12	12433
636.0288	20395.84	15301.28
636.0891	17180.13	13426.65
636.1494	16354.76	12850.1
636.2097	20912.94	15587.28
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636.4508	17503.98	13420.48
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636.6315	14935.85	11929.63
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636.7518	15573.04	12477.07
636.812	16858.79	13013.05
636.8721	16311.55	12707.94
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637.0525	17243.47	13409.78
637.1126	14712.88	11859.51
637.1727	14868.65	11704.19
637.2326	16064.23	12388.09
637.2927	18381.36	13850.24

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637.4127	18171.63	13968.4
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637.5327	14512.34	11628.75
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637.8323	15804.59	12500.03
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638.0119	17013.15	13220.15
638.0717	19919.6	15131.4
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638.1914	14782.99	11917.96
638.2512	18029.32	13842.16
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663.9303	11436.12	6240.575
663.9829	9444.094	5340.561
664.0353	11653.52	6373.58
664.0878	10300.6	5659.606
664.1403	11924.63	6569.088
664.1928	8695.922	5064.133
664.2451	9254.904	5241.447
664.2977	10997.38	6027.81

664.35	11715.29	6274.017
664.4023	10448.14	5724.027
664.4548	8784.998	4918.092
664.5071	11473.86	6249.707
664.5595	10898.46	6055.872
664.6118	11925.46	6324.863
664.6641	9152.243	5223.005
664.7164	10095.75	5614.993
664.7687	9206.574	5227.65
664.821	9151.28	5089.873
664.8732	8303.5	4934.914
664.9254	10589.27	5832.904
664.9776	11136.42	6095.101
665.0298	8020.22	4732.143
665.0819	9567.772	5345.846
665.1341	11220.7	6221.348
665.1863	9946.949	5482.99
665.2384	11122.77	6010.781
665.2905	11645.85	6117.221
665.3427	12144.61	6464.219
665.3947	8622.695	4844.268
665.4467	9277.071	5163.498
665.4988	8127.599	4622.024
665.5508	10771.23	5803.161
665.6028	9288.613	5283.676
665.6549	13974.07	7481.922
665.7068	9390.868	5257.051
665.7589	9666.798	5326.112
665.8107	10671.79	5810.123
665.8627	8490.545	4785.504
665.9146	10457.7	5714.274
665.9664	8669.912	5022.548
666.0183	7772.886	4502.644
666.0703	8448.729	4773.233
666.1221	8367.668	4778.478
666.1739	9637.179	5329.449
666.2257	9794.177	5362.35
666.2775	8922.058	4959.705
666.3294	12174.18	6607.59
666.3811	9980.435	5475.779

666.4329	8186.25	4695.369
666.4846	7923.954	4626.503
666.5362	9102.414	4969.585
666.588	8149.407	4728.556
666.6397	9359.067	5081.609
666.6913	7933.897	4552.697
666.743	8413.411	4770.704
666.7946	7953.472	4515.013
666.8462	8534.992	4753.508
666.8978	7879.664	4475.695
666.9494	7887.46	4485.888
667.001	9166.888	5024.588
667.0526	8249.312	4638.677
667.1041	7993.535	4634.394
667.1555	7379.162	4366.962
667.2072	7601.619	4409.624
667.2586	7291.78	4283.222
667.3101	8201.394	4575.172
667.3615	7806.335	4460.359
667.413	9121.734	5012.868
667.4644	8584.314	4802.731
667.5158	8727.64	4739.445
667.5672	7334.202	4245.913
667.6185	8615.284	4749.3
667.6699	6951.521	4039.794
667.7213	7094.391	4045.807
667.7726	8354.739	4736.731
667.8239	7346.564	4172.553
667.8752	7395.026	4235.494
667.9264	9371.839	4960.92
667.9777	7942.602	4443.315
668.0289	7874.657	4445.131
668.0801	10492.7	5626.825
668.1313	7047.37	4140.761
668.1826	8224.54	4512.011
668.2337	7705.591	4353.715
668.2849	7716.236	4388.767
668.336	8505.901	4696.029
668.3871	8160.56	4459.486
668.4383	8587.244	4739.682

668.4894	8532.794	4622.222
668.5405	8188.474	4526.977
668.5915	7489.082	4181.391
668.6425	7157.495	4087.721
668.6935	8787.779	4711.871
668.7445	6420.32	3808.802
668.7955	8096.699	4451.126
668.8465	8799.415	4712.583
668.8974	8789.822	4733.127
668.9484	8588.435	4639.881
668.9993	7837.714	4322.853
669.0502	10811.01	5547.001
669.1011	6918.727	3884.834
669.152	7182.784	4045.759
669.2028	7500.174	4188.781
669.2537	5930.129	3610.044
669.3046	7308.162	4079.805
669.3553	5986.412	3554.075
669.4061	8855.157	4824.643
669.4569	6693.601	3867.923
669.5076	5912.788	3476.801
669.5584	7160.66	3979.773
669.6091	6919.841	3920.492
669.6599	7725.377	4237.467
669.7106	8310.385	4485.251
669.7612	6964.452	4018.756
669.8118	6641.849	3847.269
669.8625	6068.032	3622.909
669.9132	6566.195	3831.432
669.9638	8640.175	4763.638
670.0143	7200.057	4166.244
670.0649	6478.902	3932.557
670.1154	7132.923	4254.351
670.166	8148.162	4868.357
670.2166	6060.155	4063.455
670.2671	6867.185	4698.247
670.3176	5844.339	4651.1
670.368	8424.405	6733.131
670.4185	7919.543	7946.582
670.469	6740.078	10221.82

670.5194	9157.545	15986.21
670.5698	8541.186	22498.7
670.6202	10675.71	31376.71
670.6706	13175.71	46403.01
670.721	17747.69	69873.55
670.7712	15807.94	61616.95
670.8217	10234.98	26590.48
670.8719	8423.8	9554.306
670.9222	6875.67	5489.48
670.9725	7392.528	4968.334
671.0228	7829.574	4725.337
671.073	7250.619	4443.692
671.1232	7892.915	4541.447
671.1735	7146.419	4307.753
671.2236	6735.847	4034.944
671.2739	8529.407	4772.966
671.324	6406.278	3857.519
671.3742	8697.159	4821.074
671.4243	7352.21	4371.87
671.4744	7813.3	4707.752
671.5244	10355.26	5731.561
671.5745	9450.828	5678.878
671.6246	11421.17	6439.938
671.6746	13409.66	7707.745
671.7246	16415.79	9191.233
671.7747	19457.04	10287.15
671.8247	20449.15	10796.91
671.8746	22796.83	10686.82
671.9246	23753.38	9432.725
671.9746	22625.93	9256.135
672.0245	25232.53	10739.48
672.0744	30101.52	13340.8
672.1243	36979.32	16608.52
672.1741	48627.4	21274.21
672.2241	52404.97	27245.81
672.2739	37402.37	24166.7
672.3237	28034.86	17273.1
672.3735	23637.15	15414.53
672.4233	14702.51	11055.68
672.4732	10456.54	7635.031

672.5229	8904.602	6776.875
672.5726	8179.86	5806.779
672.6224	8501.913	5298.681
672.6721	8142.871	5084.781
672.7217	7588.762	4496.031
672.7714	8195.072	4624.156
672.8211	7614.947	4356.954
672.8708	6123.993	3636.465
672.9204	6944.172	3822.066
672.97	5959.738	3496.988
673.0195	7329.667	3907.417
673.0692	7052.45	3906.917
673.1187	5873.325	3332.617
673.1683	5815.353	3282.196
673.2178	5858.187	3350.296
673.2673	5771.465	3285.294
673.3168	7130.055	3840.436
673.3663	6661.386	3617.086
673.4158	5142.944	3048.969
673.4652	6039.209	3395.239
673.5147	5345.453	3062.629
673.5641	5312.647	2994.623
673.6135	5308.593	3046.76
673.6628	6099.911	3307.429
673.7122	5967.955	3244.994
673.7615	4967.557	2895.214
673.8108	5075.742	2872.578
673.8602	5642.691	3162.91
673.9094	6776.547	3566.528
673.9587	7677.09	3985.236
674.008	5432.501	3071.415
674.0573	5017.595	2972.971
674.1065	6613.608	3494.641
674.1557	6192.609	3418.366
674.2049	5609.157	3104.942
674.254	5796.498	3163.083
674.3032	5032.433	2871.62
674.3523	6422.145	3373.491
674.4014	6743.943	3519.69
674.4506	6407.737	3502.379

674.4997	7298.232	3667.841
674.5488	6082.623	3280.842
674.5978	5716.993	3078.013
674.6469	7336.086	3771.475
674.6959	7583.88	3901.905
674.7449	6451.833	3435.419
674.7939	6989.885	3581.456
674.8429	6109.607	3280.267
674.8919	5693.345	3049.156
674.9408	5557.861	3002.132
674.9897	6168.133	3203.295
675.0386	6979.861	3569.508
675.0874	5799.724	3044.197
675.1364	4729.378	2721.825
675.1852	5025.1	2790.853
675.2341	5551.923	3034.247
675.2828	6513.229	3361.096
675.3317	5837.602	3144.963
675.3805	4534.685	2681.223
675.4293	5788.088	3151.853
675.478	5221.65	2914.753
675.5268	5863.981	3141.597
675.5755	5556.053	2976.3
675.6242	5826.018	3083.494
675.6729	4707.663	2586.286
675.7216	5504.6	2917.386
675.7702	5831.186	2994.396
675.8189	6113.431	3111.869
675.8674	5558.936	2975.391
675.9161	4860.84	2692.21
675.9647	5289.674	2831.334
676.0132	6075.719	3205.761
676.0618	4761.993	2633.644
676.1104	5478.878	2999.67
676.1589	4930.459	2752.437
676.2073	5660.65	3088.311
676.2559	5360.136	2825.024
676.3043	5600.784	2953.148
676.3528	5004.231	2697.766
676.4012	6177.665	3178.642

676.4497	4833.962	2618.741
676.4981	4737.409	2603.049
676.5464	5806.091	2968.101
676.5948	5430.275	2875.019
676.6431	4831.022	2605.962
676.6915	6099.783	3069.892
676.7398	4495.505	2531.83
676.7882	5393.402	2871.708
676.8364	4851.953	2693.461
676.8847	5632.447	2998.842
676.933	4423.729	2491.236
676.9811	4323.82	2419.066
677.0294	6065.783	3068.823
677.0776	4912.767	2627.68
677.1257	5816.552	3035.856
677.1739	4636.68	2548.868
677.2221	5514.189	2876.191
677.2702	5751.564	2966.764
677.3183	5799.31	3057.793
677.3664	4400.925	2473.898
677.4145	5382.017	2772.519
677.4626	5442.709	2795.064
677.5106	4969.334	2593.731
677.5587	3926.89	2276.006
677.6067	6115.031	3097.741
677.6547	4984.529	2663.152
677.7027	4365.848	2452.33
677.7506	5078.753	2765.278
677.7985	4497.318	2472.752
677.8465	5376.837	2809.717
677.8944	4380.119	2361.844
677.9423	4339.374	2377.112
677.9902	3914.236	2241.75
678.038	4488.054	2440.444
678.0859	6381.704	3135.011
678.1337	5861.603	3004.638
678.1815	5679.747	2911.542
678.2293	5474.198	2864.394
678.2771	6010.85	3064.024
678.325	4720.809	2572.977

678.3726	4469.505	2443.912
678.4204	5383.903	2793.581
678.4681	6492.809	3244.246
678.5158	4909.919	2590.819
678.5634	4565.85	2401.324
678.6111	4388.743	2410.501
678.6588	5083.02	2618.801
678.7064	4916.486	2606.215
678.754	5097.604	2653.63
678.8016	5128.326	2696.409
678.8491	3869.542	2208.644
678.8967	4803.938	2560.35
678.9443	4428.931	2400.301
678.9918	4727.357	2559.501
679.0393	4651.107	2484.681
679.0867	4938.25	2600.619
679.1342	4632.268	2484.499
679.1817	4654.94	2545.588
679.2291	4478.481	2435.367
679.2766	5110.467	2700.083
679.324	3707.078	2148.573
679.3714	3875.342	2241.072
679.4188	3942.702	2240.223
679.4661	4311.413	2361.617
679.5134	4681.347	2462.321
679.5607	4446.598	2425.62
679.6081	4995.706	2643.004
679.6553	4354.871	2407.247
679.7026	4311.761	2360.611
679.7499	4733.864	2532.922
679.7971	4607.369	2436.501
679.8443	4063.306	2274.86
679.8915	4499.112	2386.259
679.9387	4925.164	2669.817
679.9858	4180.409	2315.595
680.033	4157.152	2347.255
680.0801	3742.453	2129.23
680.1273	4342.699	2377.125
680.1744	3905.302	2202.165
680.2214	3880.719	2207.827

680.2685	3926.465	2194.365
680.3156	4405.528	2357.536
680.3626	3751.605	2086.581
680.4096	4273.402	2337.739
680.4566	4023.192	2202.534
680.5036	5094.375	2643.073
680.5505	4011.304	2241.321
680.5975	4853.243	2587.523
680.6445	3897.548	2141.765
680.6914	4540.812	2438.837
680.7382	4173.74	2295.111
680.7852	3886.25	2216.304
680.832	4584.966	2432.065
680.8789	4718.674	2579.01
680.9257	4033.037	2285.602
680.9725	3701.063	2197.688
681.0193	4074.77	2274.091
681.066	3500.435	2065.931
681.1127	3840.491	2144.95
681.1595	4214.747	2361.867
681.2062	4245.016	2274.373
681.253	3483.864	2021.549
681.2996	3948.134	2142.101
681.3463	4427.788	2374.745
681.393	4186.005	2229.264
681.4396	3770.294	2111.472
681.4863	3976.264	2207.456
681.5329	3814.967	2159.431
681.5795	4105.445	2221.351
681.626	4708.466	2451.476
681.6726	3523.614	2022.181
681.7191	4332.457	2318.127
681.7656	4568.05	2412.879
681.8121	3302.002	1977.526
681.8586	3629.295	2067.28
681.905	4740.619	2502.555
681.9515	3029.69	1871.017
681.998	3537.63	2072.618
682.0444	3702.829	2082.275
682.0908	4158.069	2267.082

682.1372	3721.317	2067.679
682.1835	3656.591	2080.113
682.2299	3976.971	2157.641
682.2763	3926.764	2208.769
682.3226	3873.396	2149.832
682.3689	3524.088	2043.294
682.4151	3932.203	2140.061
682.4614	3897.47	2146.11
682.5076	3840.456	2128.631
682.5538	3632.502	2061.024
682.6	4335.288	2321.064
682.6462	4584.796	2471.633
682.6924	4118.902	2258.361
682.7386	3308.579	1978.483
682.7847	3297.727	1934.021
682.8309	4486.102	2337.877
682.8456	4179.412	2234.432
682.877	3522.455	2008.192
682.9231	4132.997	2228.553
682.9672	4180.44	2257.215
682.9692	4173.974	2250.074
683.0152	3999.274	2276.999
683.0613	3694.941	2165.55
683.0886	3599.731	2145.673
683.1072	3521.625	2119.767
683.1533	4145.88	2318.85
683.1993	3622.077	2191.122
683.2101	3872.741	2274.308
683.2452	4697.386	2548.176
683.2912	4397.231	2479.926
683.3315	4108.812	2423.231
683.3372	4043.992	2394.144
683.3831	4558.119	2570.926
683.429	3658.49	2226.222
683.4529	3898.455	2325.238
683.4749	4137.526	2429.308
683.5208	4301.473	2528.571
683.5666	4062.06	2502.519
683.5743	4157.887	2546.99
683.6124	4599.417	2737.562

683.6583	3879.252	2498.012
683.6957	4135.601	2558.199
683.704	4181.033	2560.975
683.7498	4324.901	2658.679
683.7956	3654.836	2396.441
683.8171	4077.861	2586.557
683.8413	4469.083	2733.409
683.8871	4362.05	2659.544
683.9327	3909.366	2535.292
683.9385	3918.613	2532.495
683.9785	4077.598	2580.495
684.0242	4321.99	2730.529
684.0598	4083.483	2665.44
684.0698	3975.299	2613.406
684.1155	4171.388	2700.057
684.1611	4553.384	2738.727
684.1812	4620.925	2777.967
684.2067	4756.86	2864.65
684.2523	4257.068	2648.743
684.2979	3853.919	2533.608
684.3024	3895.557	2554.905
684.3435	4392.479	2845.769
684.389	4576.663	3038.494
684.4237	4631.789	3110.677
684.4345	4597.799	3089.908
684.48	4459.191	3123.152
684.5255	4893.634	3246.856
684.545	4707.682	3221.066
684.571	4377.068	3116.288
684.6165	4663.828	3191.438
684.6619	4236.416	3004.493
684.6663	4286.576	3017.483
684.7073	4825.847	3190.88
684.7527	4290.879	3012.92
684.7875	4662.512	3151.929
684.7982	4779.49	3198.285
684.8435	5153.111	3396.78
684.8889	4581.735	3193.122
684.9086	4615.292	3233.558
684.9341	4609.45	3240.965

684.9795	4720.459	3286.776
685.0248	4561.881	3273.047
685.0299	4588.341	3282.199
685.0701	4914.345	3451.195
685.1154	4892.677	3562.121
685.1511	5324.315	3769.348
685.1606	5417.767	3805.98
685.2058	5235.933	3776.382
685.251	5291.644	3815.864
685.2722	5435.107	3902.804
685.2963	5686.302	4073.517
685.3414	5538.059	4130.426
685.3866	6040.25	4462.18
685.3933	6129.965	4513.346
685.4318	6246.529	4488.671
685.4769	5892.103	4318.073
685.5145	6024.209	4324.623
685.522	6037.592	4314.087
685.5671	5616.481	4060.708
685.6122	5262.581	3842.363
685.6356	5111.977	3731.931
685.6572	5179.216	3799.579
685.7022	5886.636	4115.015
685.7473	5774.003	4169.005
685.7567	5801.678	4192.737
685.7922	5724.204	4127.422
685.8372	5812.048	4175.476
685.8778	5441.815	4008.07
685.8822	5439.338	4021.729
685.9272	5682.071	4284.644
685.9721	6535.632	4768.132
685.9988	6495.548	4874.619
686.0171	6251.233	4765.938
686.062	6621.48	4760.596
686.1069	6823.408	4792.958
686.1199	6468.312	4629.639
686.1517	5892.631	4473.191
686.1967	6740.213	4920.021
686.2409	6667.378	4950.858
686.2414	6668.297	4952.949

686.2863	6713.282	5040.133
686.331	6530.97	5056.195
686.3619	6848.505	5240.721
686.3758	6972.723	5309.009
686.4206	7063.658	5369.207
686.4653	7335.245	5548.966
686.4829	7426.96	5603.551
686.5101	7381.889	5536.954
686.5548	7187.328	5405.469
686.5995	7389.902	5398.879
686.6039	7308.622	5354.273
686.6442	6816.648	5149.241
686.6888	7189.373	5265.427
686.7247	6884.633	5166.485
686.7335	6837.711	5166.71
686.7781	7153.392	5305.268
686.8227	7195.819	5423.329
686.8457	7404.249	5508.768
686.8673	7630.586	5612.736
686.9119	7641.014	5724.092
686.9564	7781.41	5852.601
686.9666	7782.462	5879.174
687.001	7610.204	5834.69
687.0455	7502.612	5728.318
687.0875	7454.996	5700.336
687.09	7464.185	5708.628
687.1345	7376.576	5605.858
687.179	7459.699	5649.368
687.2084	7024.535	5482.037
687.2235	7085.878	5633.874
687.2679	8252.358	6448.481
687.3123	8995.365	7085.975
687.3293	9404.98	7400.64
687.3568	9423.059	7374.003
687.4011	8813.719	7005.845
687.4455	8756.19	6887.868
687.4501	8664.881	6833.605
687.4898	8823.74	7162.136
687.5342	10068.06	7952.333
687.5709	10649.68	8410.018

687.5784	10501.91	8281.561
687.6227	9263.445	7368.734
687.667	8444.696	6594.474
687.6917	7848.867	6131.413
687.7113	8052.841	6332.833
687.7556	8713.337	6754.89
687.7998	9053.74	7136.349
687.8125	9248.139	7266.22
687.844	9817.625	7652.811
687.8882	10225.1	8079.728
687.9324	10853.57	8556.479
687.9333	10843.11	8549.792
687.9766	10308.38	8260.791
688.0207	10375.84	8171.878
688.054	10037.22	7951.178
688.0648	10091.75	8013.427
688.109	9972.86	8088.086
688.153	10667.25	8486.48
688.1747	10711.31	8547.438
688.1971	10607.82	8498.528
688.2412	10668.73	8543.991
688.2851	10642.68	8499.231
688.2955	10632.32	8498.726
688.3292	10708.15	8578.167
688.3732	10764.7	8587.48
688.4162	10466.08	8464.382
688.4172	10477.6	8478.183
688.4611	10519.3	8477.532
688.5051	10587.91	8518.527
688.5369	10666.99	8545.321
688.5491	10619.94	8492.538
688.593	10216.99	8190.195
688.6368	9627.507	7788.906
688.6575	9556.347	7676.826
688.6808	10042.5	8011.596
688.7246	10303.87	8326.18
688.7685	10906	8810.049
688.7782	11018.01	8890.731
688.8123	10729.75	8626.306
688.8561	10054.14	8216.707

688.8989	10218.75	8105.072
688.8999	10262.06	8136.346
688.9437	10644.6	8518.189
688.9874	11299.39	8969.293
689.0194	11389.97	9151.927
689.0311	11187.99	9026.723
689.0749	10651.2	8568.005
689.1186	10259	8194.545
689.14	9839.635	7910.39
689.1623	10362.46	8416.51
689.2059	11899.83	9637.714
689.2496	13201.06	10700.35
689.2606	13519.52	10970.24
689.2933	13605.34	11047.09
689.3369	13647.21	11010.99
689.3804	13379.23	10924.76
689.3812	13351.43	10898.66
689.4241	12820.15	10369.66
689.4676	12453.05	9967.388
689.5017	11563.73	9368.678
689.5112	11453.84	9317.812
689.5547	11478.99	9285.879
689.5982	11045.28	8979.837
689.6222	11132.74	8961.86
689.6417	11648.5	9325.288
689.6852	12385.17	9884.987
689.7286	12991.93	10472.89
689.7427	13050.42	10584.87
689.7721	12502.83	10247.16
689.8156	11933.81	9865.381
689.859	11911.38	9639.147
689.8632	11822.95	9573.495
689.9024	11587.35	9502.058
689.9457	11610.51	9490.837
689.9836	11528.52	9462.262
689.9891	11783.37	9678.309
690.0324	13454.65	11086.51
690.0758	15359.5	12645.18
690.1041	16474.38	13579.49
690.119	16227.41	13381.63

690.1623	15446.67	12757.67
690.2056	15168.88	12306.21
690.2246	14588.43	11914.65
690.2489	13841.05	11413
690.2921	12981.26	10633.78
690.3353	11818.42	9773.738
690.345	11619.18	9583.676
690.3785	12432.77	10169.41
690.4218	13112.98	10821.08
690.4649	14078.93	11525.71
690.4654	14058	11504.76
690.5081	14079.68	11384.3
690.5512	13535.19	11028.46
690.5858	13227.66	10805.89
690.5942	13388.88	10950.72
690.6375	14104.97	11548.76
690.6804	14960.69	12258.86
690.7061	15387.45	12620.62
690.7235	16146.77	13264.97
690.7666	18513.37	15124.53
690.8096	20486.62	16884.25
690.8264	21490.6	17703.6
690.8526	23440.69	19313.82
690.8956	27167.47	22170.32
690.9386	30226.95	24887.8
690.9468	30878.54	25412.88
690.9816	33787.46	27745.2
691.0245	37821.82	30994.72
691.0671	42473.07	34765.86
691.0674	42531.95	34817.06
691.1103	41766.42	34056.76
691.1531	37321.29	30156.91
691.1874	32180.97	25917.84
691.1961	30910.3	24894.45
691.2388	25588.36	20742.89
691.2818	22031.82	17905.36
691.3077	20136.68	16401.73
691.3245	19307.45	15762.7
691.3674	17330.79	14262.82
691.4102	15666.23	12901.05

691.428	14870.01	12297.76
691.4529	14610.14	12152.32
691.4956	14466.55	11963.3
691.5384	14064.32	11693.66
691.5482	13981.09	11615.13
691.5811	14452.58	11978.4
691.6238	14870.45	12399.26
691.6665	15396.53	12805.51
691.6683	15381.67	12789.02
691.7091	15605.11	12925.5
691.7518	15536.34	12903.53
691.7886	15564.04	12940.36
691.7944	15544.2	12928.55
691.837	14891.42	12446.83
691.8795	14573.6	12115.19
691.9088	14355.75	11852.3
691.9222	14774.07	12161.76
691.9647	15446.43	12832.48
692.0073	16490.7	13638.95
692.0289	17214.93	14115.89
692.0497	17278.09	14065.95
692.0922	16322.02	13461
692.1348	16148.76	13186.92
692.1491	15882.98	12984.22
692.1773	15516.31	12730.64
692.2197	14940.2	12337.1
692.2622	14439.09	11948.23
692.2692	14300.44	11845.42
692.3045	14319.6	11910.98
692.3469	14539.74	11997.73
692.3893	14695.92	12081.51
692.3893	14737.53	12118.66
692.4316	15594.51	12851.7
692.474	16621.63	13701.67
692.5094	17290.68	14297.93
692.5163	17252.4	14273.75
692.5586	16655.66	13828.41
692.6009	16259.18	13456.41
692.6295	15833.35	13115.78
692.6431	15643.19	12979.48

692.6854	14957.58	12431.28
692.7277	14170.81	11878.45
692.7496	13888.95	11607.98
692.7699	14355.33	11951.92
692.8121	14863.12	12459.94
692.8543	15619.54	13035.53
692.8696	15758.28	13187.64
692.8965	16114.07	13544.57
692.9386	16736.4	14052.69
692.9807	17533.98	14642.14
692.9896	17626.44	14708.86
693.0229	17291.58	14433.51
693.0649	16828.24	14073.69
693.107	16355.52	13664.92
693.1096	16287.53	13601.7
693.1491	17498.19	14516.24
693.1912	18601.99	15389.02
693.2296	19186.29	16010.5
693.2332	19248.74	16078.14
693.2752	19856.8	16472.26
693.3171	20309.19	16833.66
693.3496	20464.28	17010.7
693.3591	20603.5	17148.72
693.4011	21215.95	17655.3
693.443	22117.49	18274.34
693.4695	22498.23	18594.84
693.4849	23706.26	19620.26
693.5269	27084.53	22443.32
693.5687	30642.7	25442.2
693.5895	32602.37	27028.62
693.6105	35088.13	29074.47
693.6525	39707.48	33060.42
693.6942	44728.01	37200.23
693.7094	46430.7	38655.98
693.7361	51018.68	42483.46
693.7779	58747.76	48716.31
693.8196	66799.83	55408.94
693.8293	68734.92	56974.42
693.8615	67104.09	55378.44
693.9032	62058.92	50809

693.9449	53066.08	43013.32
693.9492	52010.12	42121.49
693.9866	43137.34	34906.25
694.0283	34474.8	28032.33
694.0691	27704.65	22520.79
694.07	27711.83	22533.7
694.1116	25189.38	20616.11
694.1532	23053.89	18972.45
694.1889	21078.19	17476.57
694.1949	20876.1	17330.72
694.2365	19471.99	16168.87
694.278	17970.6	14947.01
694.3087	16656.17	13957.03
694.3196	16713.24	14030.2
694.3612	16940.22	14214.17
694.4027	17084.49	14366.76
694.4285	17187.54	14431.39
694.4442	17161.23	14401.34
694.4857	17060.56	14262.45
694.5272	16938.42	14107.9
694.5483	16646.76	13918.73
694.5687	17073.73	14317.16
694.6102	18193.37	15154.39
694.6516	19191.32	15971.75
694.6681	19522.7	16233.49
694.6929	18844.94	15697.25
694.7343	17609.6	14727.55
694.7757	16357.41	13735.34
694.7878	15954.82	13408.07
694.8171	15594.3	13107.57
694.8584	14930.49	12576.02
694.8997	14288.19	12052.72
694.9076	14142.83	11920.5
694.941	14881.33	12506.3
694.9823	15587.24	13124.53
695.0236	16243.64	13724.58
695.0273	16267.85	13739.84
695.0648	16772.8	14129.25
695.106	17450.44	14558.47
695.147	17594.71	14777.72

695.1473	17653.7	14830.55
695.1885	17943.78	15096.76
695.2297	18351.73	15434.28
695.2667	18611.15	15634.23
695.2708	18695.18	15704.73
695.312	18885.55	15877.77
695.3531	19018.24	16010.04
695.3864	19130.24	16097.17
695.3942	19358.25	16292.03
695.4352	20232.04	17011.61
695.4763	21089.73	17739.94
695.506	21639.89	18196.18
695.5174	21295.45	17909.83
695.5584	19807.73	16666.2
695.5994	18209.27	15349.09
695.6256	17177.24	14489.73
695.6404	17530.81	14796.45
695.6814	18318.15	15471.85
695.7224	19126.88	16175.03
695.7452	19531.96	16510.52
695.7634	19334.1	16344.93
695.8043	18740.31	15849.28
695.8452	18098.88	15316.58
695.8648	17689.76	14998.56
695.8861	17887.22	15194.36
695.9269	18267.21	15492.55
695.9678	18579.8	15786.54
695.9844	18652.02	15845.7
696.0087	18129.13	15419.54
696.0495	17328.68	14692.71
696.0903	16120.88	13794.94
696.1039	15773.44	13490.98
696.1311	16729.46	14254.89
696.1719	18008.31	15298.19
696.2126	19334.08	16366.92
696.2235	19568.97	16571.72
696.2533	20486	17360.32
696.2941	21766.11	18409.38
696.3348	23119.89	19491.48
696.343	23283.94	19628.4

696.3754	23317.15	19704.37
696.4161	23482.57	19787.54
696.4567	23509.76	19833.72
696.4626	23424.76	19762.84
696.4974	23018.02	19443.97
696.538	22529.98	19035.03
696.5786	21920.76	18560.61
696.582	21799.45	18456.88
696.6191	22076.29	18651.67
696.6597	22213.81	18750.37
696.7002	22483.29	18909.26
696.7015	22410.03	18843.52
696.7407	21562.22	18124.35
696.7813	20566.76	17303.77
696.821	19526.26	16433.84
696.8218	19620.21	16515.55
696.8622	20849.86	17572.99
696.9027	22200.84	18684.08
696.9403	23275.19	19597.06
696.9431	23270.35	19598.58
696.9835	21999.13	18567.25
697.0239	20815.22	17578.45
697.0598	19501.28	16553.89
697.0642	19649.43	16684.87
697.1047	20580.64	17412.07
697.145	21389.47	18077.36
697.1792	22013.08	18591.64
697.1852	21887.15	18494.31
697.2256	20540.86	17380.14
697.2659	19161.41	16256.29
697.2986	17976.28	15277.71
697.3062	18108.42	15399.7
697.3464	18534.9	15784.32
697.3867	18840.27	16107.68
697.4179	19051.68	16324
697.4269	19251.67	16487.16
697.4671	19839.79	16938.16
697.5073	20471.48	17409.85
697.5372	20806.12	17665.57
697.5474	20964.34	17805.44

697.5875	21342.99	18118.79
697.6278	21702.22	18423.01
697.6566	21869.23	18574.24
697.6678	21815.95	18545.11
697.708	21371.34	18193.2
697.7479	20901.58	17835.8
697.7759	20523.83	17525.96
697.788	20750.98	17705.71
697.8281	21225.82	18073.21
697.8681	21681.75	18427.6
697.8951	21928.97	18606.1
697.9081	21844.32	18533.15
697.9481	21343.48	18093.75
697.988	20796.77	17637.03
698.0145	20357.09	17262.88
698.028	20275.68	17206.42
698.068	19866.55	16870.09
698.1079	19400.58	16509.49
698.1337	19059.17	16228.13
698.1478	19446.2	16538.47
698.1876	20316.63	17227.68
698.2275	21178.9	17919.05
698.2529	21668.72	18296.05
698.2673	21806.95	18423.86
698.3071	21966.82	18586.7
698.347	22105.64	18740.64
698.3721	22111.02	18766.04
698.3867	22280.82	18898.59
698.4265	22540.62	19069.14
698.4663	22778.04	19235.31
698.4914	22852.06	19267.44
698.506	22624.54	19086.19
698.5457	21769.16	18388.76
698.5855	20899.52	17682.95
698.6105	20281.14	17172.96
698.6251	21184.21	17908.21
698.6648	23422.74	19724.41
698.7045	25699.65	21562.34
698.7297	27035.82	22639.86
698.7441	26847.72	22506.87

698.7836	26061.1	21904.77
698.8233	25263.73	21294.2
698.8488	24653.22	20818.17
698.8629	24256.77	20501.58
698.9023	22872.33	19376.81
698.9419	21479.74	18244.79
698.968	20480.13	17427.31
698.9815	20651.62	17575.52
699.021	20926.34	17810.9
699.0871	21306.52	18135.29
699.2062	19837.11	16926.21
699.3252	23426.71	19961.36
699.4443	18227.58	15643.47
699.5634	24634.85	20921.66
699.6824	19108.17	16304.05
699.8013	20741.97	17686.12
699.9204	21116.1	18026.52
700.0393	19177.68	16378.26
700.1583	20949.28	17805.37
700.2772	24951.49	21122.67
700.3961	23263.02	19620.86
700.515	22348.85	18885.01
700.6339	25762.38	21658.83
700.7528	19658.89	16662.58
700.8716	19716.41	16732.59
700.9903	25115.77	21252.84
701.1092	25291.76	21266.26
701.228	22331.97	18901.54
701.3467	21038.8	17779.7
701.4655	20503.45	17434.59
701.5842	21378.04	18127.92
701.7029	22758.39	19376.5
701.8216	18827.75	16110.85
701.9403	18126.24	15579.42
702.0589	21820.56	18602.83
702.1776	20743.41	17706.39
702.2961	25586.04	21720.34
702.4147	24772.93	21104.09
702.5334	19165.95	16460.81
702.652	20175.62	17217.67

702.7705	22060.84	18721.35
702.889	19722.62	16859.64
703.0076	20565.05	17509.54
703.126	23326.48	19942.52
703.2445	18494.7	15876.43
703.3629	21288.8	18060.79
703.4814	17614.5	15021.97
703.5998	21824.67	18531.69
703.7182	18995.82	16217.58
703.8366	20475.84	17486.77
703.955	22337.27	18956.23
704.0732	18717.82	15913.37
704.1916	19757.5	16713.61
704.3099	20841.5	17675.61
704.4282	19909.1	16921.28
704.5465	18568.47	15870.38
704.6648	23364.37	19728.79
704.783	18215.28	15503.05
704.9012	20050.68	17091.6
705.0194	17511.66	15021.33
705.1376	19654.13	16880.39
705.2558	19754.46	16981.19
705.3739	20460.87	17392.18
705.492	18604.61	15909.63
705.6102	16686.18	14313.53
705.7282	17559.99	15011.69
705.8463	16434.6	14179.38
705.9644	18041.79	15564.7
706.0825	20249.04	17244.51
706.2004	16626.46	14143.76
706.3184	19974.35	16728.51
706.4364	15973.29	13490.64
706.5544	20113.99	16931.94
706.6723	18400.84	15654.76
706.7903	20865.13	17624.25
706.9082	15446.45	13214.23
707.0261	15517.07	13195.93
707.1439	15990.9	13647.46
707.2618	16186.24	13742.48
707.3796	17335.99	14750.06

707.4974	19099.04	16214.64
707.6152	14019.59	12102.23
707.7331	15639.92	13289.84
707.8508	18636.3	15771.88
707.9685	17415.18	14729.66
708.0862	16842.94	14280.55
708.204	15807.37	13501.46
708.3217	16089.37	13784.98
708.4393	17237.84	14687.18
708.557	20324.44	17228.65
708.6747	16856.72	14330.14
708.7922	16689.16	14266.51
708.9099	18292.15	15610.98
709.0275	18301.87	15661.87
709.145	17483.37	15000.78
709.2625	17988.85	15450.09
709.3801	19898.21	16961.04
709.4976	19431.82	16630.65
709.6151	17661.15	15082.38
709.7325	16918.11	14535.31
709.85	22475.04	19127.87
709.9675	17449.18	14878.08
710.0848	20213.38	17217.8
710.2022	19310	16492.8
710.3196	14613.91	12490.31
710.437	16850.92	14385.27
710.5543	17712.79	15148.62
710.6716	18342.62	15755.35
710.7889	17801.28	15256.72
710.9063	17398.52	15042.13
711.0235	20261.22	17421.85
711.1408	17962.22	15567.5
711.2579	15270.49	13212.28
711.3752	14953.88	12921.17
711.4924	16321.84	14086.29
711.6096	19804.18	17050.71
711.7268	16556.02	14265.03
711.8438	14453.29	12529.15
711.961	19548.21	16719.41
712.0781	19886.88	16996.43

712.1952	15536.42	13334
712.3122	15623.95	13452.15
712.4293	17111.49	14712.94
712.5463	17603.26	15184.3
712.6634	15526.13	13427.92
712.7803	17200.46	14748.84
712.8973	18247.77	15592.64
713.0143	16578.25	14287.89
713.1312	17093.98	14596.37
713.2481	19594.47	16700.01
713.365	15904.11	13669.94
713.4819	17201.98	14803
713.5988	17524.14	14971.32
713.7156	15396.69	13231.72
713.8325	18601.89	15841.58
713.9493	14389.56	12503.79
714.066	14894.19	12751.12
714.1828	18961.6	16092.46
714.2996	17449.31	14961.69
714.4163	19715.02	16999.44
714.533	20169.7	17652.99
714.6497	20900.73	19285.86
714.7664	26659.84	25632.59
714.8831	23122.56	20754.82
714.9997	16615.78	14323.43
715.1163	18043.75	15422.49
715.233	20488.71	17296.47
715.3495	20554.95	17289.53
715.466	16865.08	14361.31
715.5826	18135.18	15376.56
715.6992	21283.06	17865.82
715.8156	17442.89	14751.23
715.9321	18012.46	15231.34
716.0487	17869.51	15156.25
716.1651	22223.47	18624.32
716.2815	20141.62	17011.37
716.3979	17515.65	14792
716.5143	20669.6	17510.03
716.6307	20551.43	17332.9
716.7471	18290.92	15428.75

716.8635	20834.78	17529.84
716.9797	18558.66	15781.18
717.096	19752.73	16635.27
717.2123	17628.68	14947.54
717.3286	14114.92	12083.06
717.4449	19799.09	16868.45
717.5611	18381.02	15726.12
717.6773	23634.24	20019.73
717.7935	18353.9	15604.47
717.9097	16055.24	13748.43
718.0258	18824.09	16043.61
718.142	18469.24	15757.43
718.2581	17817.86	15135.88
718.3742	16155.66	13768.31
718.4904	16363.06	13923.69
718.6064	16839.22	14357.11
718.7225	15413.98	13142.94
718.8384	15907.33	13439.89
718.9545	15772.27	13256.37
719.0705	17182.33	14479.13
719.1864	14645.37	12497.28
719.3024	13083.76	11272.14
719.4183	17171.82	14482.97
719.5343	16245.36	13667.24
719.6502	15119.92	12854.71
719.766	13547.19	11596.78
719.8819	18502.07	15744.47
719.9977	16664.24	14511.5
720.1135	17252.31	15610.84
720.2294	16786.36	15072.74
720.3452	15404.02	13098.91
720.4609	17856.78	15008.58
720.5767	17473.14	14745.75
720.6924	16769.92	14171.78
720.8082	16109.22	13588.42
720.9238	13583.71	11501.13
721.0395	14278.56	12018.3
721.1552	15606.48	13119.58
721.2708	13527.61	11454.26
721.3864	14410.12	12190

721.502	12665.7	10712.95
721.6176	14423.12	12172.51
721.7332	11705.66	9955.17
721.8487	16022.4	13570.99
721.9642	15678.71	13297.51
722.0798	18107.69	15385.19
722.1953	15717.48	13306.37
722.3107	18454.54	15499.06
722.4262	13733.12	11624.48
722.5416	17692.86	14899.88
722.6569	12984.2	11056.19
722.7723	19822.99	16794.67
722.8878	18030.18	15303.99
723.0032	16773.67	14170.47
723.1185	12098.54	10277.43
723.2338	15775.55	13371.75
723.3491	14844.91	12537.69
723.4644	20488.07	17217.5
723.5796	18524.24	15717.36
723.6949	14826.15	12710.73
723.8101	12925.71	11089.61
723.9253	14150.85	12086.46
724.0405	16269.96	13837.72
724.1556	15026.74	12764.45
724.2708	16538.08	13955.27
724.3859	10960.6	9417.588
724.501	15722.71	13424.33
724.6162	13969.45	11945.72
724.7313	12900.82	10995.58
724.8463	16084.33	13624.54
724.9614	17232.83	14485.32
725.0764	13106.84	11113.49
725.1914	12882.75	10994.26
725.3063	11269.58	9720.175
725.4213	15457.74	13185.34
725.5363	14313.5	12169.47
725.6511	14026.28	11849.38
725.7661	13902.78	11791.7
725.881	16616.83	14106.96
725.9959	14181.7	12115.1

726.1107	15231.83	13045.07
726.2255	15100.38	12899.8
726.3403	18072.41	15351.55
726.4551	12416.31	10665.91
726.5699	12953.69	11062.8
726.6846	14133.73	11977.92
726.7994	14383.04	12191.93
726.9141	12332.73	10479.85
727.0288	15159.04	12747.32
727.1435	13735.61	11624.99
727.2582	15096.42	12768.72
727.3728	12958.84	11021.43
727.4874	15173.75	12823.8
727.6021	13074.3	11166.14
727.7166	14946.12	12753.12
727.8312	14395.88	12320.13
727.9457	15073.29	12764.21
728.0603	16546.01	13974.17
728.1747	16444.87	13870.79
728.2893	18125.25	15237.8
728.4038	17014.91	14336.49
728.5183	14310.03	12144.59
728.6326	13069.96	11143.01
728.7471	16629.05	14166.53
728.8615	14213.83	12144.71
728.9758	14108.87	12020.48
729.0902	18718.69	15836.76
729.2045	19089.26	16195.08
729.3189	15531.47	13210.23
729.4332	14208.4	12055.24
729.5474	14685.29	12446.1
729.6617	16625.33	14080.16
729.7759	17966.15	15182.39
729.8902	17739.88	14965.4
730.0043	15657.7	13141.74
730.1186	17110.2	14433.33
730.2328	15212.74	12883.65
730.3469	15607.87	13205.49
730.4611	17092.32	14416.3
730.5751	17442.88	14718.41

730.6893	18355.82	15513.85
730.8033	15148.57	12915.59
730.9174	13488.1	11322.65
731.0314	15303.76	12860.66
731.1454	14822.74	12479.87
731.2595	11969.05	10132.25
731.3734	13014.56	10945.8
731.4874	17297.83	14505.53
731.6013	15144.77	12764.34
731.7153	14370.78	12161.33
731.8292	14671.96	12479.98
731.9431	14802.96	12620.35
732.057	16384.46	13830.46
732.1708	17048.41	14492.71
732.2846	15653.04	13364.5
732.3984	15177.41	13214.11
732.5122	16103.62	14325.61
732.626	13984.11	12365.21
732.7398	16307.18	13857.45
732.8534	13167.67	11284.02
732.9672	15438.04	13166.78
733.0809	14822.07	12584.9
733.1946	13109.09	11190.01
733.3082	13555.47	11609.27
733.4218	11836.49	10161.6
733.5355	14621.84	12424.81
733.6491	16385.46	13722.01
733.7626	13608.31	11483.38
733.8762	12521.12	10655.35
733.9898	13753.16	11684.08
734.1033	14180.56	11946.25
734.2168	13121.34	11133.87
734.3303	13722.74	11681.96
734.4438	12487.37	10740.22
734.5572	13491.72	11474.5
734.6707	14852.08	12584.29
734.7841	14338.62	12125.06
734.8975	13879.65	11842.14
735.0108	13365.43	11434.52
735.1242	13260.34	11337.37

735.2376	11962.68	10286.51
735.3508	14228.88	12237.42
735.4641	13990.82	12085.66
735.5774	13491.06	11641.7
735.6907	14558.87	12477.98
735.8038	14867.87	12616.07
735.9171	14843.95	12603.75
736.0303	13282.38	11329.95
736.1435	14840.29	12700.93
736.2567	13457.29	11490.75
736.3698	13186.3	11161.77
736.4829	12633.28	10677.31
736.5961	14325.15	11995.37
736.7091	13391.68	11249.45
736.8222	12156.72	10314.36
736.9352	13339.04	11260.63
737.0482	12467.83	10539.42
737.1613	12219.86	10411.96
737.2742	11567.69	9855.486
737.3873	11920.34	10193.01
737.5002	13385.92	11389.56
737.6132	12850.37	10987.83
737.7261	12387.94	10544.13
737.839	10374.39	8871.704
737.9518	11800.89	10011.72
738.0646	12489.46	10670.41
738.1775	10383.94	8898.714
738.2903	11126.61	9541.252
738.4031	13999.88	11831.64
738.5159	12409.62	10499.47
738.6287	12109.5	10244.98
738.7413	12147.85	10311.2
738.8541	12049.39	10166.43
738.9669	13391.56	11357.68
739.0795	12858.62	10764.24
739.1921	12841.04	10811.23
739.3048	12557.93	10468.79
739.4174	12275.4	10217.79
739.53	11363.49	9520.001
739.6426	11341.67	9533.974

739.7552	13638.8	11498.3
739.8677	12397.09	10410.46
739.9803	12627.45	10608.3
740.0928	11973.98	10115.72
740.2053	12801.03	10751.34
740.3178	13103.67	10889.96
740.4302	15555.41	12967.73
740.5427	13465.78	11364.42
740.6551	12675.23	10653.79
740.7674	12808.22	10785.53
740.8798	16483.6	13754.55
740.9922	12551.59	10533.66
741.1046	11980.43	10073.39
741.2168	11800.08	9899.65
741.3291	12414.62	10457.08
741.4415	13223.55	11118
741.5537	12955.2	10839.43
741.666	12258.67	10317.42
741.7781	12352.59	10367.93
741.8904	14220.57	11880.89
742.0026	14929.32	12440.81
742.1147	12502.12	10515.17
742.2269	15242.17	12808.98
742.339	15412.68	13069.76
742.4511	15193.1	12806.84
742.5632	14732.58	12402.61
742.6752	13959.87	11756.22
742.7873	15866.65	13352.93
742.8992	14720.74	12368.96
743.0113	18308.44	15353.06
743.1234	17075.83	14305.48
743.2354	15160.39	12717.87
743.3472	12616.71	10533.71
743.4592	15539.77	12960.05
743.5711	12879.36	10778.92
743.683	16501.41	13788.67
743.7948	16609.44	13859.08
743.9067	18820.49	15671.67
744.0186	15386.7	12948.8
744.1304	19623.35	16523.32

744.2421	19868.3	16709.59
744.3539	18971.45	15902.5
744.4657	17087.07	14298.3
744.5774	17306.77	14431.8
744.6892	18083.78	15084.78
744.8008	16447.42	13821.49
744.9125	17592.87	14658.89
745.0242	17036.13	14220.86
745.1358	17261.57	14391.73
745.2475	15791.12	13163.57
745.3591	18255.22	15197.07
745.4706	17034.7	14205.79
745.5822	17395.37	14527.52
745.6938	14891.47	12585.47
745.8052	16324.31	13757.63
745.9168	16437.28	13815.94
746.0283	17422.63	14560.99
746.1398	15464.27	12933.87
746.2512	18172.26	15122.29
746.3626	15240.99	12785.3
746.474	18544.03	15429.8
746.5854	20502.15	17123.13
746.6968	24449.12	20470.22
746.8082	25077.74	21017.84
746.9195	24203.2	20235.45
747.0308	22161.82	18535.02
747.1421	22348.75	18659.94
747.2534	20424.5	17037
747.3646	19983.23	16665.64
747.4758	20090.73	16783
747.587	19910.14	16490.79
747.6982	17486.36	14563.32
747.8094	17701.63	14862.18
747.9205	18893.05	15831.97
748.0317	16779.41	14051.86
748.1429	14387.53	12051.88
748.254	17569.51	14709.89
748.3651	16454.64	13715.58
748.4761	18927.4	15683.44
748.5872	16589.84	13764.08

748.6981	15237.82	12624.66
748.8091	12516.3	10473.52
748.9202	17885.42	14926.88
749.0311	16525.12	13688.21
749.142	14235.07	11893.78
749.2529	14859.14	12468.84
749.3639	13806.47	11546.28
749.4748	16311.89	13636.26
749.5856	13265.45	10989.51
749.6965	11682.49	9762.33
749.8073	14924.21	12349.1
749.9181	13096.85	10966.72
750.0288	15367.81	12744.27
750.1397	16533.26	13660.17
750.2504	12714.76	10558.43
750.3611	14398.14	11961.49
750.4718	15338.77	12709.72
750.5825	13035.86	10854.87
750.6932	16343.35	13540.75
750.8038	14302.46	11913.77
750.9145	13920.49	11576.79
751.025	13765.63	11502.4
751.1356	15932.52	13161.88
751.2462	13626.4	11276.05
751.3568	14696.67	12208.59
751.4673	12345.14	10277.53
751.5778	15762.46	13141.53
751.6883	13501.12	11313.9
751.7988	16087.02	13387.53
751.9093	14218	11925.55
752.0197	13721.53	11498.92
752.1301	11366.77	9542.18
752.2405	17509.39	14713.05
752.3508	12436.31	10481.3
752.4612	13847.36	11595.88
752.5716	14586.1	12249.96
752.6819	13299.51	11159.07
752.7922	15113.27	12558.81
752.9025	12230.69	10148.69
753.0128	16385.54	13628.1

753.1229	13815.02	11455.87
753.2331	14220.66	11862.17
753.3433	14590.84	12141.62
753.4536	11638.26	9777.465
753.5637	12290.69	10251.94
753.6738	13625.34	11450.49
753.7839	12686.41	10657.49
753.894	14771.09	12406.08
754.0042	12556.41	10482.09
754.1142	14341.12	11949.23
754.2242	14284.45	11884.88
754.3342	17002.96	14084.99
754.4442	13807.19	11421.84
754.5542	14334.59	11951.64
754.6643	13992.23	11566.01
754.7741	15101.5	12498.24
754.8841	12131.04	10109.55
754.994	14352.19	11859.75
755.1039	14540.46	11986.76
755.2138	15388.71	12735.98
755.3236	13474.26	11161.75
755.4334	14337.84	11828.12
755.5432	14326.37	11801.42
755.653	14487.88	11950.97
755.7627	14167.73	11656.21
755.8726	15229.54	12611.28
755.9823	13366.83	11042.25
756.0919	14666	12120.52
756.2017	12929.75	10692.06
756.3113	15811.76	13028.83
756.421	14399.07	11904.86
756.5305	16079.53	13287.2
756.6402	12166.11	10074.2
756.7498	14205.98	11841.29
756.8593	13820.38	11442.04
756.9689	14059.88	11699.88
757.0784	15172.48	12556.86
757.188	15062.69	12529.69
757.2974	14886.43	12363.57
757.4069	14528.36	12161.11

757.5163	15157.91	12593.63
757.6258	15348.8	12725.49
757.7351	16368.2	13538.73
757.8446	16929.29	14010.65
757.9539	15865.27	13086.32
758.0633	15724.09	13066.32
758.1726	17198.16	14279.25
758.2819	18107.25	15050.71
758.3912	16346.33	13579.01
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758.719	15068.46	12532.08
758.8282	16013.2	13300.24
758.9374	18644.04	15470.96
759.0466	16945.96	14061.34
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759.2648	16467.87	13613.9
759.374	16364.81	13569.79
759.483	18023.07	14881.05
759.5922	16525.68	13652.43
759.7012	17417.63	14397.78
759.8102	18924.16	15572.64
759.9193	17805.58	14710.08
760.0283	18520.57	15287
760.1372	17080.82	14072.48
760.2462	17816.26	14758.6
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760.6818	19357.89	15978.65
760.7907	18994.56	15682.06
760.8995	16682.66	13826.58
761.0083	20520.79	16861.55
761.1171	22192.69	18200.73
761.2259	20633.17	16895.76
761.3347	20750.52	17043.18
761.4434	21188.63	17451.01
761.5521	20504.01	16878.04
761.6607	20519.16	16848.06
761.7694	19768.65	16365.84

761.8781	23100.71	19079.24
761.9868	21600.68	17802.14
762.0954	22756.47	18734.41
762.2039	23289.26	19169.94
762.3125	24831.72	20361.81
762.4211	25273.99	20800.51
762.5296	27024.93	22166.74
762.6382	23961.64	19709.18
762.7467	24435.44	20080.23
762.8552	30281.78	24950.17
762.9636	27531.82	22629.73
763.072	28255.37	23230.83
763.1804	29218.16	24049.67
763.2889	31182.49	25736.13
763.3972	31263.97	25723.2
763.5056	30355.83	25010.93
763.614	33278.05	27345.04
763.7222	37769.47	31055.89
763.8305	38812.56	31891.23
763.9388	39745.86	32621.48
764.0471	41102.87	33715.39
764.1553	46156.37	37787.33
764.2636	46717.03	38312.66
764.3718	50544.79	41498.42
764.48	57234.65	46890.84
764.5881	59842.13	49124.42
764.6962	65821.2	54006.82
764.8043	70927.73	58354.62
764.9124	82321.33	67698.62
765.0205	94203.56	77497.95
765.1286	105987.4	87410.47
765.2366	122709	101519.8
765.3446	146985	121906
765.4526	174924.9	145695.1
765.5606	218077	182370
765.6686	273316	230061.2
765.7765	357810.5	303338.9
765.8844	478158	410102.2
765.9924	665990.7	580893
766.1002	957319.3	859924.3

766.2081	1321667	1252480
766.3159	1387291	1423522
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767.0702	318252.7	265758
767.1779	253071.3	210507
767.2855	199775	166145.9
767.3932	166232.3	138012.5
767.5008	147801.1	122329.7
767.6084	125668.6	104081.8
767.716	110214.4	91346.97
767.8236	101082.1	83732.24
767.9311	96404.11	79563.35
768.0386	88244.32	73007.46
768.1461	82986.24	68675.5
768.2536	83921.42	69366.94
768.361	83272.12	68876.66
768.4685	85163.52	70394.44
768.5759	88717.47	73315.25
768.6833	90053.37	74730.65
768.7907	101482.6	84328.22
768.8981	116089.8	96779.21
769.0054	137764.9	115370.3
769.1127	167614.4	141458.9
769.22	212388.4	180990
769.3273	298861.1	256782.3
769.4345	435069.3	378644.8
769.5418	681810.9	608486.3
769.649	1084296	1014848
769.7562	1238878	1257752
769.8633	1104951	1149469
769.9705	1176554	1109496
770.0776	748412.2	649273.7
770.1848	455428.8	384106.4
770.2918	308777.3	257837.6
770.3989	224282.7	186400.2

770.506	175082.1	145051.2
770.613	140828.4	116758.1
770.72	112592.4	93161.48
770.827	97355.23	80510.99
770.934	84498.18	69714.12
771.041	75109.53	61961.7
771.1479	66403.66	54735.27
771.2548	57344.16	47373.87
771.3617	56516.46	46538.4
771.4686	49977.89	41198.67
771.5754	46180.75	38057.41
771.6823	45749.04	37632.88
771.7891	41799.94	34383.17
771.8959	38020.85	31381.78
772.0027	37602.24	31055.87
772.1094	35935.84	29595.18
772.2161	35490.73	29097.06
772.3229	31430.73	25887.39
772.4296	33115.13	27176.03
772.5362	30334.17	24988.19
772.6429	30299.73	24828.99
772.7495	28626.14	23500.09
772.8561	25907.38	21254.43
772.9627	26855.36	21997.09
773.0693	24742.96	20314.49
773.1758	26127.39	21292.27
773.2823	25266.24	20601.2
773.3889	25455.98	20783.69
773.4954	24261.87	19757.43
773.6018	23239.27	19022.38
773.7083	21134.28	17303.25
773.8146	22837.49	18691.05
773.9211	21828.11	17857.84
774.0274	25124.41	20495.44
774.1339	23228.38	18950.37
774.2402	21442.9	17509.04
774.3466	23912.06	19429.08
774.4529	19603.89	15953.13
774.5591	20935.1	16930.73
774.6653	21406.78	17346.15

774.7716	21830.79	17671.25
774.8779	19916.34	16146.78
774.9841	21195.02	17194.06
775.0903	21075.98	17119.78
775.1965	19723.24	15986.47
775.3026	18618.96	15119.19
775.4086	20006.18	16157.17
775.5148	22090.46	17806.97
775.6209	19789.9	16012.6
775.7269	20260.74	16367.86
775.833	22972.12	18378.45
775.939	20116.46	16166.54
776.045	21211.31	16979.03
776.1509	23455.44	18764.14
776.257	25392.35	20283.21
776.3629	25977.63	20833.41
776.4688	24990.96	19995.51
776.5747	30334.54	24231.18
776.6806	26653.52	21254.21
776.7865	37101.06	29824.21
776.8923	34229.92	27546.43
776.9981	47674.42	38624.23
777.1039	50750.86	41421.05
777.2097	51219.51	41602.83
777.3154	53613.06	43532.26
777.4212	44282.02	35892.52
777.5269	48366.13	39296.13
777.6326	39512.32	31867.57
777.7383	36985.73	29706.39
777.844	34608.55	27727.44
777.9496	30918.13	24735.2
778.0552	26180.76	20998.24
778.1608	22342.85	17774.38
778.2664	21824.7	17405.22
778.3719	21762.09	17217.72
778.4774	23850.28	19134.99
778.583	20420.26	16235.63
778.6885	23013.86	18375.85
778.7939	21228.71	17088.26
778.8994	21078.74	16967.25

779.0048	16003.43	12896.44
779.1102	17161.49	13848.1
779.2156	18033.94	14652.5
779.321	18299.75	15166.66
779.4263	16642.63	14090.56
779.5316	16798.12	14806.06
779.637	15984.19	15299.84
779.7423	21530.72	22904.94
779.8475	30483.64	42157.03
779.9528	57669.29	95925.97
780.058	27754.35	36283.28
780.1632	15150.71	13449.17
780.2684	16637.62	13752.88
780.3735	12986.94	10741.44
780.4787	13127.79	10702.12
780.5839	15207.93	12301.47
780.6889	12079.87	9708.794
780.794	12278.89	9826.275
780.8991	12881.53	10262.23
781.0042	14452.06	11666.73
781.1092	12040.14	9628.569
781.2141	12252.14	9797.58
781.3192	10712.95	8552.872
781.4241	14212.41	11352.87
781.529	12209.84	9696.285
781.6339	14627.72	11704.96
781.7388	11150.62	8906.403
781.8438	12286.76	9824.629
781.9486	11454.86	9090.917
782.0535	11989.09	9628.479
782.1583	10787.47	8554.917
782.2631	12027.51	9542.151
782.3678	13194.43	10576.24
782.4726	11388.44	9115.193
782.5773	11365.86	9013.627
782.682	10873.87	8701.389
782.7867	9907.788	7893.614
782.8914	11975.44	9569.043
782.9961	9884.382	7909.127
783.1007	10347.75	8260.594

783.2053	9658.218	7602.203
783.3099	9989.153	7963.794
783.4145	8877.709	7021.099
783.519	10590.06	8399.075
783.6235	8577.878	6778.321
783.7281	9209.077	7245.835
783.8325	9650.771	7575.461
783.937	8634.26	6756.308
784.0414	7650.81	5977.675
784.1459	10344.78	8155.447
784.2503	8654.688	6780.055
784.3547	9534.124	7559.835
784.4591	9462.449	7453.64
784.5634	9218.243	7295.066
784.6677	8020.166	6315.519
784.772	9537.872	7546.4
784.8763	8813.301	6936.43
784.9805	8186.181	6523.411
785.0848	7632.489	6004.399
785.189	9443.197	7379.405
785.2933	12218.39	9704.258
785.3974	7210.994	5694.169
785.5015	10199.16	7978.59
785.6057	9718.246	7637.229
785.7098	8839.981	6950.577
785.8139	8035.268	6379.454
785.918	9094.802	7087.94
786.022	7182.883	5631.564
786.126	8676.803	6781.399
786.23	9373.951	7386.669
786.3341	8127.509	6317.277
786.4381	8478.719	6649.945
786.5421	9198.817	7144.826
786.6459	7608.67	5954.636
786.7499	8638.475	6778.611
786.8538	7092.231	5555.022
786.9576	8332.147	6490.779
787.0615	8599.212	6765.669
787.1653	11731.2	9393.988
787.2692	9337.917	7459.918

787.3729	7779.753	6155.142
787.4767	9370.804	7456.769
787.5804	9559.28	7551.038
787.6841	8969.006	7195.483
787.7878	9227.564	7333.37
787.8915	8313.225	6621.496
787.9952	7011.835	5504.722
788.0988	8952.92	7176.314
788.2025	8434.122	6667.356
788.306	7711.195	6108.474
788.4097	8511.607	6677.556
788.5132	8703.288	6888.036
788.6168	8564.475	6751.106
788.7202	7679.27	6138.231
788.8237	7002.995	5584.259
788.9272	8511.66	6757.352
789.0306	7732.339	6114.773
789.1341	6881.089	5442.719
789.2375	8290.034	6586.339
789.3409	9006.354	7287.264
789.4443	8029.514	6496.297
789.5477	7041.695	5611.17
789.6509	8084.422	6435.694
789.7542	6997.778	5586.867
789.8576	8701.964	6925.6
789.9609	7212.785	5749.149
790.0641	7772.016	6181.438
790.1673	9606.397	7685.869
790.2705	6324.223	5029.919
790.3737	8075.708	6482.897
790.4769	8803.378	7011.117
790.58	8114.86	6455.906
790.6831	7235.703	5730.554
790.7862	8960.641	7297.792
790.8893	6950.271	5581.85
790.9924	7198.75	5628.553
791.0954	9012.636	7227.656
791.1984	8146.281	6559.381
791.3014	7137.321	5720.971
791.4044	8218.132	6431.524

791.5073	7697.036	6075.119
791.6103	9337.159	7453.533
791.7132	7922.947	6362.429
791.8162	7066.679	5610.589
791.919	8204.026	6488.612
792.0219	7162.781	5692.351
792.1247	6780.601	5317.243
792.2275	8760.457	7025.055
792.3303	6480.75	5094.034
792.433	8134.586	6336.855
792.5358	8314.348	6509.905
792.6384	7353.26	5787.1
792.7412	7210.435	5701.012
792.8439	8575.567	6842.907
792.9465	7274.047	5710.638
793.0493	7420.488	5783.781
793.1519	6794.188	5376.546
793.2545	10119.58	8211.331
793.357	7170.262	5585.502
793.4595	7040.795	5488.444
793.5621	7392.395	5789.604
793.6646	8264.221	6575.034
793.7671	8252.158	6648.967
793.8696	9024.09	7267.529
793.9721	7924.967	6352.186
794.0745	9112.878	7556.044
794.1769	8577.133	7408.553
794.2793	9830.586	8684.256
794.3817	9239.719	8997.817
794.484	11604.28	12681.37
794.5863	17118.95	23266.99
794.6887	28081.06	45222.27
794.791	14578.89	17991.34
794.8933	11005.63	9421.062
794.9955	11245.62	9157.07
795.0977	14339.74	11624.94
795.1999	9880.436	7824.871
795.3021	9512.616	7510.935
795.4042	13089.65	10385.05
795.5064	10787.37	8503.609

795.6085	12869.68	10217.07
795.7106	7912.723	6191.343
795.8127	7572.096	5860.369
795.9147	11963.14	9367.423
796.0168	10269.81	8102.98
796.1188	8994.839	7075.292
796.2208	10499.1	8293.82
796.3228	8372.405	6585.678
796.4247	7172.53	5555.206
796.5266	8693.274	6772.232
796.6286	9900.37	7789.609
796.7305	8238.507	6513.547
796.8323	7739.101	6008.548
796.9341	6929.263	5435.384
797.036	7060.624	5485.119
797.1378	8033.288	6313.669
797.2395	8147.988	6389.071
797.3414	9262.085	7288.884
797.4431	6733.019	5167.985
797.5448	7447.264	5719.456
797.6465	7316.257	5667.825
797.7482	9049.718	7190.169
797.8499	6597.443	5101.262
797.9515	6011.029	4681.702
798.0531	6100.976	4755.001
798.1547	6392.216	4880.02
798.2563	5633.462	4196.439
798.3579	7678.1	6041.917
798.4594	5807.776	4447.645
798.5609	6846.823	5299.544
798.6624	7073.711	5566.427
798.7638	7505.034	5899.345
798.8653	6682.201	5143.107
798.9667	7529.874	5846.105
799.0681	6612.75	5099.905
799.1694	7203.252	5632.469
799.2709	7189.071	5568.192
799.3722	8132.385	6394.086
799.4736	7734.556	6071.993
799.5748	6781.256	5217.334

799.6761	6149.509	4659.484
799.7774	8140.905	6319.908
799.8785	7263.174	5710.124
799.9798	5353.587	4188.564
800.081	5727.34	4398.006
800.1822	5453.002	4256.19
800.2833	6123.437	4756.259
800.3845	7401.412	5690.182
800.4855	6512.626	4923.344
800.5867	5393.832	4089.044
800.6877	4868.088	3727.994
800.7888	6298.193	4835.439
800.8898	6681.125	5248.331
800.9908	5434.189	4220.009
801.0918	8046.563	6321.033
801.1928	4922.04	3809.72
801.2937	5966.965	4539.981
801.3946	4906.796	3734.699
801.4955	4867.378	3785.235
801.5964	6539.369	5092.1
801.6973	5809.706	4603.59
801.798	6251.233	4846.083
801.8989	5349.545	4042.711
801.9997	6039.717	4761.532
802.1004	4017.675	3059.747
802.2012	5573.9	4340.785
802.3019	5128.682	3921.043
802.4027	5635.995	4318.294
802.5034	5805.744	4557.469
802.604	5378.09	4163.633
802.7047	5082.262	3803.229
802.8052	5838.623	4468.051
802.9058	5327.935	4029.306
803.0064	4851.099	3700.411
803.107	5772.466	4408.665
803.2075	5413.683	4173.979
803.308	5998.171	4569.063
803.4086	6166.539	4893.758
803.5091	5325.741	4051.978
803.6095	5605.234	4239.46

803.7099	4705.591	3557.343
803.8103	7349.519	5682.476
803.9108	5860.83	4554.998
804.0111	4916.915	3789.989
804.1115	4801.566	3642.73
804.2118	5847.81	4519.854
804.312	5292.356	4119.753
804.4123	5357.551	4142.602
804.5126	5645.578	4286.492
804.6129	5779.718	4457.983
804.7131	4537.44	3432.897
804.8133	5743.168	4392.852
804.9134	6602.381	5125.507
805.0136	4206.801	3253.824
805.1137	5742.444	4451.991
805.2139	4911.305	3839.314
805.3139	5269.017	4049.753
805.414	5071.682	3872.29
805.5141	4652.519	3505.717
805.6141	5556.578	4272.512
805.7141	5081.715	3857.749
805.8142	6314.354	4894.049
805.9141	4964.54	3840.575
806.014	6030.807	4699.759
806.1139	5900.316	4589.806
806.2138	5538.131	4311.594
806.3137	4863.057	3773.359
806.4135	6651.621	5217.2
806.5133	6003.136	4619.294
806.6132	5088.67	3955.852
806.713	4870.35	3766.995
806.8128	4993.003	3829.888
806.9125	6124.282	4756.729
807.0122	5765.902	4518.497
807.112	5285.567	4091.22
807.2117	5803.394	4521.125
807.3113	4193.481	3222.137
807.411	5584.692	4340.273
807.5106	5668.719	4397.379
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807.7098	5256.94	4103.075
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807.9089	5555.325	4257.324
808.0084	5527.026	4388.103
808.1079	4710.31	3693.18
808.2073	4647.629	3650.442
808.3068	5123.211	3896.746
808.4062	6020.208	4728.327
808.5056	4709.805	3598.919
808.605	6490.369	5067.708
808.7044	4428.073	3379.281
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808.9031	5628.66	4425.131
809.0024	6591.691	5187.809
809.1016	5027.091	3928.534
809.2009	5744.326	4564.444
809.3002	6446.033	5004.527
809.3994	4975.381	3791.263
809.4985	5023.189	3881.869
809.5977	6179.091	4796.832
809.6969	5238.005	3994.88
809.796	4446.222	3342.514
809.8952	5909.357	4563.669
809.9942	6645.114	5130.469
810.0933	4559.507	3487.825
810.1924	5799.584	4489.617
810.2913	5433.922	4309.481
810.3904	4052.329	3134.556
810.4893	4691.353	3653.001
810.5883	3967.94	3079.881
810.6873	5181.02	3995.469
810.7861	5654.65	4367.356
810.8851	5432.216	4242.32
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811.0828	5915.303	4587.963
811.1816	4307.98	3265.216
811.2804	6160.836	4836.173
811.3792	4961.335	3934.938
811.478	6265.485	4935.795
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811.8728	5702.351	4449.663
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812.3659	4188.481	3223.172
812.4644	6002.274	4782.149
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812.76	5070.804	3894.458
812.8584	5723.103	4370.287
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813.2521	4064.937	3047.227
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813.4488	6174.314	4788.681
813.5471	5883.35	4563.236
813.6454	4226.667	3252.098
813.7437	4514.732	3484.272
813.8419	4528.562	3400.389
813.9401	4391.509	3430.664
814.0383	4161.861	3230.712
814.1365	5805.805	4489.912
814.2347	3860.632	2979.895
814.3328	5593.905	4279.416
814.4309	6116.553	4722.198
814.5291	4091.425	3102.816
814.6271	4715.685	3580.322
814.7251	4442.855	3440.502
814.8232	4675.14	3556.825
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815.2151	5233.184	4123.494
815.3131	5179.314	4104.171
815.411	6041.909	4782.523
815.5088	4960.657	3815.217

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815.8023	5685.258	4398.308
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816.0956	5771.391	4584.642
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816.4864	5887.095	4600.719
816.5841	5111.074	3961.201
816.6817	6319.518	4950.478
816.7792	6589.314	5115.234
816.8769	6371.464	4944.257
816.9745	6242.041	4801.922
817.072	5434.652	4166.724
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817.267	5901.888	4535.73
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817.5593	7415.34	5869.207
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817.7542	9001.292	7129.829
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817.9488	7596.231	6188.516
818.0461	7049.363	5988.266
818.1435	8681.32	7639.847
818.2407	11813.95	10943.02
818.338	11262.55	9734.461
818.4352	10959.21	9031.676
818.5324	9814.701	7900.471
818.6296	9266.453	7389.749
818.7268	12632.83	10329.11
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818.9211	9830.914	7877.199
819.0181	8784.26	7142.553
819.1152	10225.53	8591.469
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819.3093	13059.1	12136.76
819.4063	13715.67	13906.21

819.5033	10806.1	9796.867
819.6003	7088.905	5799.768
819.6972	8906.891	7050.902
819.7942	7138.921	5656.161
819.8911	9747.807	7701.093
819.988	6236.975	4906.758
820.0848	8669.787	6805.529
820.1816	6510.574	5143.289
820.2784	7446.333	5770.485
820.3753	8297.921	6542.964
820.4721	7815.701	6138.716
820.5688	7332.843	5756.227
820.6655	8510.462	6819.703
820.7622	9926.963	7900.69
820.859	6497.125	5085.291
820.9556	7486.609	5894.544
821.0523	11387.6	9136.374
821.1489	9837.386	7841.058
821.2454	9399.395	7490.7
821.342	11620.5	9285.117
821.4386	11336.98	9074.673
821.5351	16214.09	13066.49
821.6316	15372.83	12357.62
821.7282	12403.11	9947.681
821.8246	12117.56	9619.119
821.921	11654.82	9165.539
822.0175	12060.39	9465.079
822.1138	10980.93	8708.321
822.2103	11918.33	9445.121
822.3066	12617.21	9898.42
822.4029	11026.54	8556.362
822.4993	9460.6	7335.306
822.5955	11947.38	9384.149
822.6918	9842.757	7660.549
822.7881	9829.289	7588.541
822.8843	10010.41	7781.911
822.9805	10229	7831.112
823.0767	8047.128	6174.491
823.1729	8961.351	6926.331
823.269	8750.845	6752.012

823.3651	7333.378	5654.045
823.4612	7081.929	5439.419
823.5573	8674.154	6689.578
823.6533	8758.335	6830.711
823.7494	9184.204	7116.077
823.8454	8212.809	6258.959
823.9414	8170.307	6229.43
824.0373	7398.043	5794.962
824.1332	9700.393	7498.896
824.2292	8973.072	6998.636
824.3251	8176.342	6359.731
824.421	7286.574	5675.873
824.5168	6404.816	4869.309
824.6127	7861.602	6110.986
824.7084	6377.549	4866.084
824.8043	6374.135	4880.135
824.9001	6314.364	4783.274
824.9958	5715.916	4432.858
825.0914	8371.928	6510.622
825.1871	7701.347	5974.202
825.2829	5856.041	4441.829
825.3786	4828.89	3609.75
825.4742	5368.083	4062.058
825.5698	5008.152	3878.901
825.6653	5497.78	4219.669
825.7609	6720.843	5129.784
825.8565	5178.588	3950.905
825.952	4146.659	3090.004
826.0476	4418.329	3289.706
826.1431	8166.724	6372.75
826.2385	5092.899	3872.394
826.3339	5624.468	4346.431
826.4294	5898.736	4529.028
826.5247	4951.777	3846.838
826.6201	6231.187	4819.966
826.7155	5479.188	4223.848
826.8107	6108.717	4620.104
826.9061	5763.417	4403.352
827.0013	3489.352	2621.894
827.0967	3835.834	2898.815

827.1919	5010.344	3827.28
827.2871	4620.416	3661.854
827.3823	5914.384	4613.502
827.4775	4922.891	3748.309
827.5726	3773.365	2840.184
827.6677	4955.447	3805.209
827.7628	4643.467	3555.588
827.8579	4130.546	3071.844
827.9529	4603.867	3508.576
828.048	5005.733	3771.294
828.1431	4231.575	3203.858
828.238	4126.03	3191.421
828.333	4805.539	3679.215
828.428	4807.629	3743.056
828.5229	4554.658	3446.863
828.6178	4092.892	3216.753
828.7127	4043.037	3118.783
828.8076	3991.561	3073.131
828.9023	4369.236	3301.162
828.9973	4944.532	3788.74
829.092	3213.775	2311.438
829.1868	5813.2	4491.893
829.2816	3880.779	2869.915
829.3763	4167.412	3178.903
829.471	3898.943	2951.809
829.5657	4679.319	3617.957
829.6603	4580.191	3541.545
829.7549	5324.986	4166.954
829.8496	4879.589	3709.49
829.9442	4608.431	3494.138
830.0388	4191.009	3164.104
830.1333	5403.624	4198.378
830.2279	4172.379	3154.697
830.3224	4611.869	3617.844
830.4169	3769.979	2783.06
830.5113	5540.822	4331.254
830.6058	4602.903	3479.169
830.7001	4542.703	3474.219
830.7946	3242.269	2462.71
830.889	3878.135	2983.704

830.9834	4671.867	3582.346
831.0777	3895.452	2988.316
831.172	3218.779	2423.345
831.2662	4860.261	3780.723
831.3605	3534.668	2655.731
831.4548	4410.726	3431.163
831.549	3191.652	2352.037
831.6433	3465.292	2641
831.7374	3675.388	2777.083
831.8315	4369.455	3362.589
831.9257	4050.837	3115.442
832.0198	3988.664	3170.48
832.114	4021.432	3084.707
832.2079	3742.166	2858.553
832.302	4228.197	3179.519
832.3961	4435.884	3407.666
832.49	4230.722	3182.719
832.584	3676.719	2769.64
832.6779	3250.847	2387.513
832.7718	4856.664	3739.619
832.8658	4632.816	3499.268
832.9597	4917.964	3832.325
833.0536	3602.243	2807.223
833.1474	3852.598	2996.406
833.2412	4091.361	3151.503
833.335	3621.104	2789.844
833.4288	4523.789	3518.165
833.5225	5164.653	4032.566
833.6163	5251.519	4072.816
833.71	4852.704	3811.499
833.8037	5265.579	4096.115
833.8973	4449.151	3310.515
833.991	4342.243	3271.253
834.0846	4171.326	3167.941
834.1783	3626.466	2705.406
834.2718	3406.016	2641.03
834.3654	3145.622	2382.189
834.4589	4153.961	3199.836
834.5523	3455.569	2590.317
834.6458	3747.608	2869.338

834.7393	3667.891	2813.529
834.8328	3467.46	2687.836
834.9262	3746.159	2831.791
835.0196	3476.062	2648.729
835.113	3142.633	2312.675
835.2064	4317.069	3298.031
835.2996	3612.709	2651.476
835.393	3864.306	2997.867
835.4863	3229.378	2404.839
835.5795	4021.689	3094.03
835.6728	3570.654	2627.956
835.766	3489.587	2670.997
835.8592	3653.608	2706.64
835.9523	3306.807	2442.208
836.0455	4256.277	3202.6
836.1387	3514.49	2647.439
836.2318	3064.982	2261.861
836.3248	4043.107	3060.716
836.4179	3814.145	2836.163
836.5109	3201.026	2381.812
836.6039	4403.719	3340.857
836.6969	3667.959	2722.088
836.7899	3406.071	2528.226
836.8829	4230.654	3278.795
836.9758	4273.777	3277.756
837.0687	4069.094	3104.526
837.1616	3160.36	2323.878
837.2545	3053.06	2248.068
837.3473	3164.922	2310.121
837.4401	3663.174	2781.79
837.5329	3877.575	2936.803
837.6257	2664.743	1976.183
837.7185	3899.228	2861.881
837.8112	3321.95	2423.508
837.9039	3186.656	2325.54
837.9966	3372.935	2496.975
838.0892	3224.736	2333.056
838.1819	3562.16	2731.506
838.2745	3650.858	2755.366
838.3671	4257.431	3253.203

838.4596	2765.056	2040.231
838.5522	3648.188	2713.473
838.6447	2861.201	2133.514
838.7372	3307.826	2493.947
838.8297	3515.36	2675.012
838.9222	3522.05	2709.103
839.0146	3272.104	2437.087
839.107	3300.658	2440.161
839.1994	4526.063	3403.518
839.2918	4581.098	3522.881
839.3841	3693.36	2746.355
839.4764	3041.728	2238.89
839.5687	3381.845	2465.413
839.661	3879.912	2925.323
839.7532	3234.069	2417.008
839.8455	5122.809	3914.065
839.9377	3155.186	2299.238
840.03	3755.833	2843.251
840.1221	3895.512	2896.304
840.2142	3578.581	2743.143
840.3064	3359.11	2535.254
840.3984	3737.571	2844.176
840.4905	3437.785	2602.44
840.5826	3299.071	2504.769
840.6746	3195.195	2370.593
840.7665	4331.583	3296.058
840.8586	3537.261	2586.674
840.9506	4070.436	3084.157
841.0425	3786.011	2813.244
841.1344	3162.513	2355.505
841.2263	3165.734	2332.269
841.3182	3554.069	2661.217
841.41	3003.963	2184.286
841.5019	4147.981	3169.369
841.5937	3853.497	2870.935
841.6854	4461.661	3416.043
841.7772	3285.892	2406.913
841.869	3900.177	2978.161
841.9607	4909.077	3774.322
842.0524	3933.173	2966.985

842.144	4669.702	3539.256
842.2357	3716.077	2786.023
842.3273	4696.819	3569.368
842.4189	3781.387	2814.374
842.5104	4106.091	3137.766
842.6021	3717.243	2810.019
842.6936	2284.1	1651.08
842.7852	3347.844	2472.356
842.8766	5725.563	4364.602
842.9681	4202.992	3180.433
843.0595	3363.943	2458.163
843.1509	4124.242	3078.19
843.2423	4150.503	3097.969
843.3337	3298.205	2498.201
843.4251	4507.697	3393.648
843.5164	3606.298	2720.009
843.6077	5566.134	4206.67
843.699	4245.358	3182.229
843.7903	5513.267	4215.365
843.8815	6762.082	5244.454
843.9727	5693.384	4369.043
844.0639	5332.576	4102.491
844.155	5383.824	4107.206
844.2462	6032.116	4649.406
844.3373	6899.211	5394.918
844.4284	8865.527	6944.854
844.5195	11443.5	9082.08
844.6106	9787.25	7720.099
844.7017	10356.93	8048.869
844.7927	8754.54	6810.184
844.8836	8867.062	6816.104
844.9746	6645.919	5120.524
845.0656	6052.067	4561.891
845.1565	7101.106	5399.79
845.2474	5410.758	4048.809
845.3383	7025.04	5366.814
845.4291	7014.721	5339.055
845.5199	5390.108	4065.8
845.6107	5447.476	4109.532
845.7015	5815.924	4465.412

845.7923	6171.595	4710.9
845.883	5666.58	4304.957
845.9738	6456.062	4933.499
846.0645	5461.358	4132.757
846.1552	4495.977	3355.885
846.2457	4181.619	3159.679
846.3364	3878.285	2944.371
846.4269	4711.033	3567.343
846.5176	4176.095	3190.494
846.6082	5001.229	3763.835
846.6987	5303.547	4045.176
846.7893	3229.263	2363.46
846.8797	3197.883	2316.592
846.9702	4001.053	2966.139
847.0607	5544.027	4177.297
847.1511	3651.13	2737.355
847.2414	3920.926	2899.8
847.3319	3864.473	2817.012
847.4222	4030.926	2950.496
847.5126	4005.335	3011.424
847.6028	3724.393	2714.113
847.6931	3846.942	2870.007
847.7835	4068.774	2970.652
847.8736	3511.771	2700.606
847.9639	2973.881	2226.161
848.054	2806.35	2077.565
848.1442	3409.9	2479.889
848.2343	3911.567	2946.198
848.3245	2300.727	1625.444
848.4146	3544.336	2640.654
848.5047	3048.199	2218.7
848.5947	3928.777	2978.445
848.6848	2657.252	1981.891
848.7748	3241.257	2435.643
848.8648	2446.72	1783.91
848.9547	3198.052	2434.137
849.0447	4172.15	3125.035
849.1346	4221.873	3166.92
849.2244	3399.878	2541.257
849.3144	3440.06	2561.807

849.4042	2675.134	1976.245
849.4941	4220.268	3256.385
849.5839	3063.203	2379.099
849.6737	3816.085	3111.276
849.7634	4170.924	3330.509
849.8532	3943.357	3100.99
849.9429	4088.853	3083.237
850.0326	3758.472	2858.278
850.1223	2733.691	2024.616
850.2119	3345.278	2539.839
850.3015	2438.003	1810.719
850.3911	4209.267	3252.741
850.4807	3214.761	2371.324
850.5703	3011.64	2239.987
850.6598	2955.052	2109.68
850.7493	2811.263	2056.631
850.8388	3405.857	2518.409
850.9282	3709.875	2764.087
851.0177	2372.638	1725.187
851.1071	3541.946	2669.314
851.1965	4277.462	3231.385
851.2859	4225.547	3182.967
851.3752	3572.651	2693.142
851.4646	2474.852	1823.663
851.5538	2476.957	1784.023
851.6431	3094.166	2328.255
851.7324	2593.776	1915.743
851.8216	2961.119	2217.624
851.9108	2841.814	2115.346
852.0001	4010.153	3032.535
852.0892	2943.681	2181.369
852.1784	2734.107	2038.889
852.2675	3834.665	2877.951
852.3566	4240.54	3236.186
852.4457	3245.965	2417.315
852.5347	3179.409	2331.064
852.6237	3138.209	2288.304
852.7128	3600.994	2761.941
852.8017	2503.944	1838.441
852.8906	3208.84	2403.363

852.9796	2697.364	1975.631
853.0685	3806.967	2938.31
853.1574	3004.966	2263.733
853.2463	4827.684	3760.194
853.3351	3635.016	2782.057
853.424	4473.014	3502.672
853.5127	4713.44	3728.718
853.6016	5035.421	4081.428
853.6903	4249.836	3496.072
853.779	4362.76	3779.414
853.8677	4859.182	4341.168
853.9564	7183.538	6563.317
854.0451	6915.434	6835.052
854.1337	7599.81	7497.456
854.2223	7765.129	6941.732
854.3109	4147.582	3489.445
854.3995	3451.416	2740.65
854.488	3431.388	2714.296
854.5765	3145.122	2404.51
854.665	4454.09	3531.067
854.7535	3110.945	2371.601
854.842	3266.578	2444.696
854.9304	2609.747	1930.335
855.0189	3665.575	2854.766
855.1072	2065.696	1445.844
855.1956	2847.944	2108.707
855.2839	3577.198	2641.942
855.3722	2959.621	2226.144
855.4605	2669.374	1936.866
855.5488	2454.435	1790.206
855.637	3139.488	2316.131
855.7252	2958.016	2136.294
855.8135	3058.764	2236.24
855.9016	2746.726	2068.231
855.9898	2066.328	1487.79
856.0779	2399.466	1766.256
856.166	2486.555	1801.545
856.2541	3344.597	2499.905
856.3422	3857.509	2871.752
856.4302	3195.902	2419.421

856.5183	3234.449	2381.106
856.6062	2707.235	2019.017
856.6941	2720.128	2020.555
856.7821	2359.399	1717.19
856.8701	3401.663	2504.137
856.958	3794.873	2833.415
857.0458	3063.27	2211.017
857.1337	2865.942	2131.3
857.2215	2548.608	1848.331
857.3093	2924.267	2167.511
857.397	3375.512	2494.464
857.4849	3421.053	2578.227
857.5726	3293.808	2435.602
857.6603	2803.9	2049.269
857.7481	2150.147	1523.766
857.8356	3644.277	2738.828
857.9233	3618.801	2672.368
858.0109	3698.261	2780.465
858.0985	3485.08	2600.453
858.1861	2457.536	1763.024
858.2737	3132.93	2274.042
858.3612	2603.282	1867.809
858.4487	2481.569	1772.719
858.5361	2905.426	2131.533
858.6237	3062.945	2244.935
858.7111	3253.316	2420.647
858.7985	3676.216	2684.767
858.8859	3774.629	2824.012
858.9733	3241.054	2377.584
859.0606	2994.587	2175.463
859.1479	3694.647	2720.722
859.2352	3402.294	2537
859.3225	3319.522	2448.525
859.4097	3846.733	2880.61
859.497	2963.009	2125.737
859.5842	2336.541	1687.43
859.6714	2625.263	1861.733
859.7585	3095.174	2291.215
859.8456	3451.021	2483.53
859.9327	2740.151	2013.164

860.0198	2749.424	1974.356
860.1069	3090.957	2291.371
860.194	4354.352	3278.779
860.281	2155.693	1554.001
860.368	3898.771	2990.738
860.4549	4311.691	3252.336
860.5419	4389.152	3294.137
860.6289	3889.24	2906.831
860.7157	3580.671	2686.654
860.8026	3283.595	2464.956
860.8895	2637.229	1873.383
860.9763	4389.967	3394.854
861.0631	3274.802	2366.734
861.1498	2993.209	2177.112
861.2366	3339.992	2502.606
861.3233	4292.986	3244.077
861.4101	3435.415	2563.48
861.4968	3365.37	2435.927
861.5834	3874.163	2831.714
861.67	2935.868	2132.389
861.7567	4129.983	3063.387
861.8433	4244.105	3240.142
861.9299	3168.518	2302.938
862.0164	3518.031	2628.518
862.103	3525.136	2585.73
862.1895	3484.862	2603.765
862.2759	3082.665	2261.672
862.3624	4163.749	3180.452
862.4489	4081.285	3077.723
862.5353	3622.028	2765.762
862.6216	4259.98	3270.829
862.7081	5100.894	3945.14
862.7944	5569.922	4325.178
862.8806	6281.361	4923.409
862.967	4197.106	3166.548
863.0533	5691.512	4458.297
863.1395	4776.691	3643.519
863.2258	4388.446	3342.857
863.312	3928.707	2945.206
863.3981	3742.081	2877.185

863.4843	5243.398	4011.109
863.5704	5125.851	3944.635
863.6565	4940.695	3797.319
863.7426	3889.969	2954.219
863.8286	3529.078	2610.819
863.9147	3778.396	2837.342
864.0007	3989.462	2959.81
864.0867	3276.452	2389.692
864.1727	3816.874	2824.642
864.2586	3867.872	2879.5
864.3445	2869.94	2005.749
864.4305	4299.976	3256.59
864.5163	4665.05	3474.558
864.6021	3830.176	2879.148
864.688	3752.353	2788.338
864.7737	4197.378	3167.751
864.8596	3666.881	2670.649
864.9453	4527.964	3466.169
865.0311	3811.077	2880.227
865.1168	4186.083	3190.007
865.2025	3866.071	2905.956
865.2881	4141.314	3201.794
865.3738	3312.663	2511.946
865.4594	4307.643	3352.014
865.545	4199.726	3247.738
865.6306	5799.487	4585.572
865.716	4758.71	3777.473
865.8016	4821.682	3966.031
865.8871	5021.674	4200.881
865.9726	7537.136	6439.626
866.058	7298.971	6564.794
866.1434	7189.603	6449.582
866.2289	5369.022	4485.237
866.3143	5122.329	4097.572
866.3996	3995.467	3101.444
866.4849	4684.777	3596.088
866.5703	4973.527	3828.819
866.6555	6121.098	4781.104
866.7408	4682.083	3495.586
866.8261	4388.016	3375.939

866.9113	6416.215	4907.82
866.9965	5286.463	4094.023
867.0816	5798.132	4491.227
867.1668	6735.481	5243.669
867.252	6339.325	4936.05
867.337	6362.966	4916.858
867.4221	7547.328	5872.217
867.5071	7144.988	5619.944
867.5922	10219.44	8111.178
867.6772	10411.36	8231.884
867.7622	12784.71	10265.13
867.8471	12606.5	10158.05
867.9321	14125.52	11439.39
868.017	18406.71	14834.19
868.1019	13512.66	10881.02
868.1867	13080.32	10579.05
868.2715	13632.72	10956.14
868.3564	10471.7	8343.662
868.4412	12286.98	9836.08
868.5259	11192.63	8909.905
868.6107	8279.371	6481.419
868.6954	7993.815	6225.393
868.7802	7944.483	6204.622
868.8648	8526.058	6711.963
868.9495	8203.982	6354.238
869.0341	6590.438	5144.98
869.1187	6474.477	4969.306
869.2033	7036.44	5443.657
869.2878	6972.779	5363.191
869.3724	6907.541	5417.628
869.4569	5785.537	4410.881
869.5413	5812.944	4464.384
869.6258	6277.562	4828.612
869.7103	6420.917	4914.549
869.7947	7782.502	6096.64
869.879	5880.976	4545.719
869.9634	6481.888	5009.953
870.0478	8008.214	6351.722
870.1321	6128.483	4745.907
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870.8058	6352.796	4919.325
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871.058	6485.312	5103.312
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871.562	5693.198	4390.111
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872.5671	4496.675	3337.588
872.6506	3432.972	2483.851
872.7343	4359.402	3274.379
872.8179	3796.322	2837.377
872.9014	3577.401	2693.324
872.985	3930.184	2942.398
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881.8641	2265.581	1728.277
881.897	2214.164	1701.572
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882.5914	2346.124	1827.343
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897.5624	1121.629	901.862
897.6654	1787.804	1517.045
897.7683	1503.053	1246.46
897.8711	1564.405	1302.696
897.974	1202.926	998.6556
898.0768	1337.469	1125.11
898.1797	1402.866	1163.911
898.2824	1441.366	1229.621
898.3853	1398.348	1170.481
898.488	1659.401	1426.794
898.5907	943.9085	780.412
898.6934	1805.08	1576.012
898.7961	1289.498	995.0444
898.8987	1805.491	1528.409
899.0014	1683.856	1401.048
899.104	1810.3	1518.566
899.2066	1554.175	1276.997
899.3093	1592.591	1331.56
899.4118	1254.583	1046.977
899.5143	1491.354	1226.188
899.6169	1227.569	1013.361
899.7194	2171.121	1812.554
899.8219	1468.044	1196.809
899.9243	1400.194	1187.141
900.0268	1145.068	915.1704
900.1292	1734.136	1436.496
900.2316	1389.693	1164.024
900.334	1469.584	1254.623
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900.5386	1594.681	1336.611
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900.7432	1761.322	1460.426
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901.0501	1513.956	1240.491
901.1523	1394.119	1172.226
901.2545	1348.184	1084.122
901.3566	1860.337	1553.606
901.4588	1524.25	1236.839
901.561	1507.259	1269.856
901.6631	1785.357	1455.477
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901.8673	1609.211	1325.644
901.9694	1838.04	1532.28
902.0714	1419.023	1162.278
902.1733	1766.709	1433.086
902.2753	1469.998	1196.982
902.3773	1708.443	1418.081
902.4793	1754.963	1438.466
902.5812	1762.897	1451.224
902.6831	1378.736	1094.067
902.785	1504.503	1291.74
902.8868	1661.303	1341.569
902.9887	2264.485	1859.619
903.0906	2414.609	1915.641
903.1923	2158.479	1850.792
903.2941	1699.136	1396.881
903.3959	2033.112	1737.563
903.4977	1929.464	1572.057
903.5994	1813.171	1505.395
903.7011	1554.91	1252.225
903.8027	1968.387	1664.692
903.9044	3176.112	2617.241
904.006	2228.657	1879.315
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904.2092	2181.725	1825.313
904.3109	2500.584	2048.765
904.4124	2100.338	1758.439
904.514	1780.226	1461.965
904.6155	2890.403	2455.931
904.7169	2611.136	2154.268

904.8185	3470.998	2879.333
904.9199	2656.726	2171.654
905.0214	2660.272	2220.434
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911.7701	1611.823	1277.445
911.8702	1632.628	1360.981
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912.0701	1683.798	1393.92
912.17	1782.939	1382.319
912.27	1608.637	1326.746
912.3699	1415.66	1135.091
912.4698	1416.065	1160.819
912.5697	1390.696	1071.947
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916.7452	1184.486	955.8685

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917.0421	1710.434	1489.984
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922.0588	1086.819	853.862
922.1567	1183.907	962.237
922.2545	482.4016	309.3657
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922.6454	875.9411	743.7454
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924.4005	829.676	648.8583
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926.0516	940.2434	765.9935
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945.7421	112.9202	57.48333
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945.9268	124.1233	40.77593
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1021.484	-1234.59	-1267.41
1021.554	-1431.85	-1467.03
1021.623	-1253.91	-1283.37
1021.693	-1462.02	-1472.36
1021.762	-1249.26	-1261.27
1021.832	-1450.71	-1487.21

1021.901	-1261.83	-1299.66
1021.97	-1457.14	-1469.73
1022.04	-1264.28	-1306.07
1022.109	-1452.78	-1452.7
1022.178	-1260.89	-1290.66
1022.248	-1454.3	-1488.27
1022.317	-1263.2	-1301.74
1022.386	-1470.84	-1460.91
1022.455	-1264.92	-1284.69
1022.524	-1443.16	-1467.81
1022.594	-1234.7	-1295.45
1022.663	-1448.26	-1470.58
1022.732	-1272.78	-1287.14
1022.801	-1453.17	-1474.82
1022.87	-1231.99	-1285.34
1022.939	-1445.33	-1466.84
1023.008	-1233.72	-1256.63
1023.077	-1451.88	-1471.79
1023.146	-1248.88	-1301.99
1023.215	-1458.46	-1467.57
1023.284	-1260.39	-1284.65
1023.352	-1463.23	-1476.96
1023.421	-1227.12	-1278.99
1023.49	-1443.08	-1466.86
1023.559	-1259.99	-1286.81
1023.628	-1443.44	-1524.05
1023.696	-1269.09	-1326.95
1023.765	-1446.14	-1506.58
1023.834	-1275.57	-1316.52
1023.903	-1457.62	-1479.41
1023.971	-1252.03	-1299.19
1024.04	-1458.8	-1489.04
1024.108	-1267.06	-1302.69
1024.177	-1460.59	-1515.38
1024.245	-1244.83	-1291.76
1024.314	-1422.56	-1476.28
1024.382	-1263.28	-1287
1024.451	-1479.6	-1504.54
1024.519	-1287.6	-1283.92
1024.588	-1456.62	-1508.07

1024.656	-1277.4	-1322.79
1024.724	-1470.52	-1494.08
1024.792	-1267.49	-1302.35
1024.861	-1466.33	-1499.83
1024.929	-1286.63	-1285.2
1024.997	-1484.42	-1520.94
1025.065	-1274.38	-1308.4
1025.134	-1447.08	-1491.63
1025.202	-1265.87	-1294.69
1025.27	-1472.33	-1498.52
1025.338	-1252.05	-1299.5
1025.406	-1445.59	-1501.81
1025.474	-1277.1	-1311.58
1025.542	-1459.3	-1500.23
1025.61	-1273.32	-1340.7
1025.678	-1325.66	-1348.69
1025.746	-1263.38	-1315.85
1025.814	-1454.52	-1491.69
1025.882	-1277.61	-1324.24
1025.949	-1493.09	-1502.42
1026.017	-1290.86	-1282.54
1026.085	-1458.13	-1508.75
1026.153	-1277.83	-1317.39
1026.221	-1481.78	-1517.87
1026.288	-1283.57	-1319.45
1026.356	-1488.74	-1522.63
1026.424	-1273.38	-1300.93
1026.491	-1466.77	-1516.83
1026.559	-1289.51	-1324.74
1026.627	-1461.96	-1493.75
1026.694	-1280.31	-1297.58
1026.762	-1479.29	-1489.24
1026.829	-1289.08	-1307.23
1026.897	-1452.47	-1467.16
1026.964	-1303.75	-1353.53
1027.031	-1503.73	-1502.25
1027.099	-1273.35	-1303.48
1027.166	-1477.97	-1523.56
1027.234	-1286.52	-1327.39
1027.301	-1474.1	-1502.39

1027.368	-1281.73	-1313.35
1027.436	-1483.77	-1513.55
1027.503	-1283.63	-1330.47
1027.57	-1484.08	-1493.18
1027.637	-1295.16	-1323.46
1027.704	-1489.62	-1504.13
1027.771	-1283.36	-1310.93
1027.838	-1494.42	-1513.58
1027.906	-1267.82	-1309.39
1027.973	-1491.27	-1505.23
1028.04	-1295.2	-1322.75
1028.107	-1501.32	-1519
1028.173	-1288.72	-1318.48
1028.24	-1474.42	-1499.88
1028.307	-1282.52	-1317.7
1028.374	-1503.26	-1525.58
1028.441	-1283.33	-1315.32
1028.508	-1500.31	-1508.99
1028.575	-1270.81	-1309.51
1028.642	-1471.4	-1520.43
1028.708	-1282.77	-1318.5
1028.775	-1478.57	-1523.34
1028.842	-1290.08	-1316.88
1028.908	-1489.88	-1498.44
1028.975	-1272.27	-1326.24
1029.042	-1473.95	-1522.62
1029.108	-1296.89	-1344.28
1029.175	-1497.43	-1525.97
1029.241	-1282.53	-1304.89
1029.308	-1476.65	-1538.14
1029.374	-1475.84	-1529.37
1029.441	-1486.98	-1532.74
1029.507	-1294.42	-1323.35
1029.573	-1488.43	-1501.18
1029.64	-1278.37	-1332.65
1029.706	-1490.12	-1497.69
1029.773	-1285.5	-1344.89
1029.839	-1488.35	-1515.17
1029.905	-1311.01	-1326.68
1029.971	-1474.52	-1517.9

1030.038	-1290.56	-1312.22
1030.104	-1485.28	-1510.75
1030.17	-1311.94	-1318.81
1030.236	-1495.18	-1515.9
1030.302	-1274.35	-1339.83
1030.368	-1492.29	-1527.52
1030.434	-1296.36	-1324.04
1030.5	-1501.49	-1542.78
1030.566	-1299.56	-1350.31
1030.632	-1500.53	-1505.57
1030.698	-1325.99	-1330.83
1030.764	-1494.73	-1508.79
1030.83	-1306	-1327.27
1030.896	-1487.7	-1526.64
1030.962	-1300.7	-1317.19
1031.028	-1509.14	-1521.06
1031.093	-1317.99	-1341.72
1031.159	-1496.91	-1539.24
1031.225	-1322.49	-1342.95
1031.291	-1505.49	-1552.62
1031.356	-1290.97	-1329.64
1031.422	-1487.62	-1521.57
1031.487	-1293.28	-1346.51
1031.553	-1508.34	-1538.87
1031.619	-1297.6	-1319.55
1031.684	-1488.66	-1509.99
1031.75	-1292.68	-1333.38
1031.815	-1502.14	-1535.67
1031.88	-1300.54	-1341.01
1031.946	-1485.13	-1532.4
1032.011	-1317.89	-1329.79
1032.077	-1498.5	-1545.42
1032.142	-1303.88	-1340.07
1032.207	-1493.41	-1513.05
1032.273	-1305.74	-1341.86
1032.338	-1507.86	-1538.21
1032.403	-1292.52	-1339.62
1032.468	-1525.35	-1547.78
1032.534	-1314.29	-1353.41
1032.599	-1513.26	-1532.87

1032.664	-1316.57	-1320.94
1032.729	-1503.53	-1530.68
1032.794	-1307.66	-1336.29
1032.859	-1504.25	-1530.23
1032.924	-1315.21	-1350.47
1032.989	-1511.48	-1547.29
1033.054	-1317.64	-1323.45
1033.119	-1515.15	-1543.29
1033.184	-1324.73	-1344.33
1033.249	-1506.36	-1557.94
1033.314	-1313.02	-1349.91
1033.379	-1519.31	-1547.15
1033.443	-1313.57	-1340.54
1033.508	-1516.53	-1526.15
1033.573	-1330.87	-1336.02
1033.638	-1514.32	-1555.01
1033.702	-1334.01	-1359.69
1033.767	-1518.22	-1533.66
1033.832	-1336.6	-1361.59
1033.896	-1525.37	-1530.94
1033.961	-1300.52	-1345.73
1034.025	-1519.5	-1535.95
1034.09	-1342.38	-1370.47
1034.154	-1527.03	-1543.58
1034.219	-1313.18	-1354.35
1034.283	-1510.45	-1531.69
1034.348	-1300.54	-1342.23
1034.412	-1517.23	-1526.71
1034.476	-1323.55	-1352.35
1034.541	-1487.34	-1519.73
1034.605	-1315.61	-1350.46
1034.669	-1518.46	-1544.43
1034.734	-1325.55	-1348.64
1034.798	-1522.74	-1545.56
1034.862	-1318.6	-1358.21
1034.926	-1513.88	-1557.04
1034.99	-1327.23	-1367.42
1035.054	-1514.66	-1534
1035.119	-1321.5	-1360.44
1035.183	-1525.55	-1545.34

1035.247	-1352.56	-1361.68
1035.311	-1521.8	-1561.14
1035.375	-1341.71	-1339.41
1035.439	-1521.88	-1566.18
1035.503	-1350.31	-1350.03
1035.567	-1506.78	-1547.34
1035.63	-1338.39	-1352.2
1035.694	-1517.59	-1550.72
1035.758	-1330.93	-1356.46
1035.822	-1514.64	-1540.29
1035.886	-1318.9	-1348.56
1035.949	-1527.6	-1559.92
1036.013	-1351.15	-1352.24
1036.077	-1553.82	-1544.98
1036.14	-1334.64	-1358.55
1036.204	-1530.32	-1546.01
1036.267	-1349.21	-1358.87
1036.331	-1530.76	-1565.31
1036.395	-1342.04	-1339.93
1036.458	-1510.97	-1560.78
1036.522	-1325.84	-1362.45
1036.585	-1544.05	-1542.89
1036.649	-1338.77	-1378.7
1036.712	-1519.9	-1568.17
1036.775	-1328.42	-1353.64
1036.839	-1513.62	-1540.69
1036.902	-1338.98	-1351.85
1036.965	-1504.46	-1551.39
1037.029	-1330.07	-1374.03
1037.092	-1527.58	-1557.02
1037.155	-1330.08	-1346.91
1037.218	-1547.44	-1574.67
1037.281	-1353	-1377.86
1037.345	-1530.96	-1563.96
1037.408	-1344.02	-1371.84
1037.471	-1520.09	-1558.8
1037.534	-1326.2	-1368.39
1037.597	-1517.8	-1563.83
1037.66	-1359.15	-1362.91
1037.723	-1549.26	-1561.41

1037.786	-1348.67	-1375.9
1037.849	-1519.74	-1579.41
1037.912	-1334.18	-1355.34
1037.974	-1570.99	-1561.02
1038.037	-1349.31	-1380.19
1038.1	-1537.27	-1572.93
1038.163	-1325.68	-1393.66
1038.226	-1532.95	-1584.59
1038.288	-1372.78	-1368.24
1038.351	-1545.59	-1586.53
1038.414	-1357.9	-1378.71
1038.476	-1547.55	-1560.63
1038.539	-1358.95	-1396.64
1038.602	-1557.86	-1583.96
1038.664	-1345.18	-1377.39
1038.727	-1546.44	-1557.52
1038.789	-1381.62	-1375.18
1038.852	-1521.57	-1568.34
1038.914	-1331.22	-1369.41
1038.976	-1555.76	-1586.39
1039.039	-1378.33	-1402.19
1039.101	-1541.24	-1591.85
1039.164	-1360.21	-1382.39
1039.226	-1536.99	-1580.27
1039.288	-1364.45	-1405.16
1039.35	-1557.56	-1577.6
1039.413	-1346.01	-1382.6
1039.475	-1558.93	-1545.52
1039.537	-1356.6	-1391.57
1039.599	-1546.72	-1578.54
1039.661	-1342.66	-1363.68
1039.724	-1567.07	-1586.56
1039.786	-1375.65	-1407.2
1039.848	-1541	-1574.23
1039.91	-1371.51	-1388.68
1039.971	-1556.23	-1566.42
1040.033	-1378.61	-1389.73
1040.095	-1539.26	-1566.21
1040.157	-1346.55	-1377.84
1040.219	-1550.23	-1587.98

1040.281	-1365.54	-1397.54
1040.343	-1552.34	-1578.67
1040.405	-1346.36	-1377.27
1040.466	-1570.89	-1575.59
1040.528	-1365.7	-1382.17
1040.59	-1560.8	-1577.18
1040.651	-1372.73	-1393.18
1040.713	-1590.88	-1604.3
1040.775	-1369.78	-1385.45
1040.836	-1556.44	-1581.86
1040.898	-1360.68	-1402.97
1040.959	-1552.98	-1582.61
1041.021	-1378.1	-1401.9
1041.082	-1541.72	-1567.97
1041.144	-1328.34	-1354.85
1041.205	-1558.98	-1590.72
1041.267	-1384.34	-1401.42
1041.328	-1551.07	-1568.88
1041.389	-1377.25	-1394.72
1041.451	-1551.75	-1571.45
1041.512	-1343.79	-1398.89
1041.573	-1553.94	-1593.96
1041.634	-1367.7	-1411.78
1041.696	-1545.27	-1588.85
1041.757	-1349.6	-1351.85
1041.818	-1555.35	-1572.9
1041.879	-1367.8	-1396.14
1041.94	-1562.08	-1588.37
1042.001	-1394.23	-1386.05
1042.062	-1583.61	-1598.55
1042.123	-1378.54	-1406
1042.184	-1577.59	-1620.38
1042.245	-1371.37	-1407.6
1042.306	-1568.2	-1593.56
1042.367	-1383.41	-1393.23
1042.428	-1584.65	-1603.93
1042.489	-1393.83	-1420.09
1042.55	-1565.26	-1606.32
1042.61	-1401.65	-1389.74
1042.671	-1572.16	-1605.88

1042.732	-1375.1	-1387.91
1042.792	-1576.47	-1602.66
1042.853	-1370.97	-1402.53
1042.914	-1587.26	-1595.73
1042.974	-1379.87	-1395.99
1043.035	-1591.45	-1580.4
1043.096	-1392.87	-1421
1043.156	-1586.6	-1582.48
1043.217	-1392.84	-1410.8
1043.277	-1553.38	-1577.77
1043.338	-1367.41	-1405.07
1043.398	-1578.26	-1598.42
1043.459	-1381.47	-1407.54
1043.519	-1580.66	-1587.92
1043.579	-1384.35	-1389.83
1043.64	-1566.96	-1596.4
1043.7	-1394.07	-1413.19
1043.76	-1584.42	-1614.08
1043.82	-1356.18	-1397.87
1043.88	-1574.96	-1602.69
1043.941	-1387.96	-1415.11
1044.001	-1573.37	-1581.15
1044.061	-1386.25	-1415.82
1044.121	-1587.76	-1603.6
1044.181	-1382.31	-1432.58
1044.241	-1578.91	-1601.44
1044.301	-1383.56	-1422.86
1044.361	-1566.15	-1613.59
1044.421	-1385.11	-1413.33
1044.481	-1584.98	-1616.18
1044.541	-1383.81	-1407.5
1044.601	-1603.18	-1602.59
1044.66	-1369.34	-1419.88
1044.72	-1578.8	-1609.92
1044.78	-1409.61	-1424.24
1044.84	-1587.25	-1622.54
1044.9	-1404.58	-1419.93
1044.959	-1582.24	-1594.14
1045.019	-1393.85	-1430.45
1045.079	-1550.4	-1559.23

1045.138	-1393.01	-1429.01
1045.198	-1587.41	-1593.49
1045.257	-1397.76	-1435.87
1045.317	-1597.37	-1622.15
1045.376	-1398.81	-1429.81
1045.436	-1561.82	-1639.41
1045.495	-1391.88	-1409.51
1045.555	-1580.03	-1611.45
1045.614	-1414.4	-1414.42
1045.674	-1601.88	-1623.97
1045.733	-1394.56	-1424.6
1045.792	-1610.53	-1612.24
1045.851	-1405.65	-1438.05
1045.911	-1600.53	-1622.03
1045.97	-1378.96	-1427.67
1046.029	-1605.11	-1618.32
1046.088	-1404.02	-1417.8
1046.147	-1585.86	-1610.55
1046.206	-1423.45	-1446.3
1046.266	-1602.48	-1613.79
1046.325	-1413.1	-1431.95
1046.384	-1595.17	-1639.46
1046.443	-1409.15	-1423.54
1046.502	-1596.82	-1624.17
1046.561	-1411.27	-1450.44
1046.62	-1591.07	-1603.31
1046.678	-1402.68	-1435.83
1046.737	-1614.86	-1630.55
1046.796	-1420.89	-1440.48
1046.855	-1600.24	-1634.74
1046.914	-1409.51	-1450.51
1046.972	-1616.68	-1618.95
1047.031	-1419.35	-1446.51
1047.09	-1614.37	-1637.24
1047.148	-1400.68	-1404.37
1047.207	-1621.27	-1633.86
1047.266	-1440.98	-1449.27
1047.324	-1612.75	-1610.25
1047.383	-1405.73	-1437.22
1047.441	-1629.01	-1637.71

1047.5 -1409.69 -1441.73
 1047.558 -1600.35 -1613.06
 1047.617 -1417.92 -1445.5
 1047.675 -1609.14 -1631.54
 1047.733 -1437.69 -1443.22
 1047.792 -1628.03 -1614.92
 1047.85 -1432.76 -1443.34
 1047.909 -1594.36 -1653.14
 1047.967 -1413.47 -1432.08
 1048.025 -1592.4 -1610.61

S9. Interclass distance values calculated for the forty-two assigned emission lines shown in Figure 2

Line no.	Species	Mean intensity (Domestic)	Standard deviation of intensity (Domestic)	Mean intensity (Imported)	Standard deviation of intensity (Imported)	Pooled standard deviation	Interclass distance
1	C I	0.000572	0.000138	0.000689	0.000114	0.000127	0.9218
2	Mg I	0.000053	0.000009	0.00005	0.000006	0.000008	0.3764
3	Mg II	0.00192	0.000423	0.001901	0.000276	0.000357	0.0537
4	Mg II	0.000014	0.000007	0.000017	0.000004	0.000005	0.4852
5	Mg II	0.001271	0.0003	0.001241	0.0002	0.000255	0.1165
6	Mg I	0.000842	0.000174	0.000835	0.000119	0.000149	0.0425
7	Mg I	0.000255	0.00006	0.000238	0.000039	0.000051	0.3437
8	Mg I	0.000339	0.000114	0.000334	0.000081	0.000099	0.0483
9	Ca II	0.003194	0.001007	0.004024	0.000652	0.000848	0.9786
10	Ca II	0.002031	0.000663	0.002598	0.000445	0.000564	1.0042
11	K I	0.000254	0.00007	0.000318	0.000084	0.000077	0.8283
12	K I	0.00022	0.00004	0.000232	0.000041	0.00004	0.3181
13	Ca I	0.001965	0.00039	0.002593	0.000472	0.000432	1.4533
14	Ca I	0.000169	0.000048	0.000222	0.000069	0.00006	0.8931
15	Ca I	0.000116	0.000046	0.000186	0.000073	0.000061	1.1522
16	Ca I	0.000271	0.000079	0.000349	0.000119	0.000101	0.7752
17	Mg I	0.000193	0.000027	0.000125	0.000035	0.000031	2.1637
18	Mg I	0.000782	0.000136	0.000637	0.000113	0.000125	1.1604
19	Mg I	0.001136	0.000277	0.000962	0.000191	0.000238	0.7299
20	Ca I	0.000083	0.000022	0.000102	0.000033	0.000028	0.6912
21	Ca I	0.000097	0.000055	0.000161	0.000068	0.000062	1.0331
22	Ca I	0.000215	0.000073	0.000292	0.000106	0.000091	0.8474

23	Ca I	0.000405	0.00018	0.000607	0.000258	0.000222	0.9070
24	Ca I	0.000187	0.000055	0.000246	0.000073	0.000065	0.9110
25	Ca I	0.000094	0.000016	0.000108	0.000023	0.00002	0.7291
26	Na I	0.017917	0.005774	0.025714	0.006303	0.006044	1.2900
27	Ca I	0.000196	0.000066	0.000285	0.000102	0.000086	1.0351
28	Ca I	0.000847	0.000211	0.001089	0.000296	0.000257	0.9412
29	Ca I	0.001075	0.000357	0.001476	0.000485	0.000426	0.9419
30	Ca I	0.000175	0.000032	0.000204	0.000045	0.000039	0.7334
31	Ca I	0.000521	0.000196	0.00072	0.000251	0.000225	0.8860
32	Ca I	0.000127	0.000024	0.000147	0.000035	0.00003	0.6641
33	Ca I	0.000449	0.000125	0.000566	0.00018	0.000155	0.7502
34	Ca I	0.000028	0.000011	0.000038	0.000016	0.000014	0.7570
35	Ca I	0.000291	0.000063	0.000328	0.000087	0.000076	0.4807
36	H I	0.004837	0.000679	0.003713	0.0007	0.000689	1.6311
37	Li I	0.000215	0.00021	0.001614	0.001132	0.000814	1.7177
38	K I	0.001517	0.000396	0.001603	0.000411	0.000404	0.2117
39	K I	0.003065	0.000859	0.00325	0.000905	0.000883	0.2095
40	O I	0.001457	0.000426	0.001539	0.000121	0.000313	0.2614
41	Rb I	0.000359	0.000177	0.000887	0.000276	0.000232	2.2775
42	Rb I	0.000147	0.000083	0.000394	0.000137	0.000113	2.1745

S10. Baseline-subtracted peak area values of the nine emission lines used for training LDA, *k*-NN, and NB models.

Sample	Mg	Li	Rb	Ca	K	Na	H	C	O
Domestic-1	0.000252601	0.00035506	0.000926622	0.002342101	0.000301132	0.017849092	0.00521977	0.000540117	0.001386275
Domestic-2	0.000199187	0.000108777	0.000287572	0.002088857	0.000310996	0.023068897	0.004841035	0.000676621	0.001808483
Domestic-3	0.000226331	0.000172178	0.000312519	0.000813262	9.08396E-05	0.009292199	0.00647495	0.000339331	0.000289516
Domestic-4	0.000186911	0.00026484	0.000430302	0.001473814	0.000108544	0.009319215	0.005338591	0.00027801	0.000462934
Domestic-5	0.00020518	8.8534E-05	0.000640219	0.002483843	0.000197611	0.012490404	0.005305821	0.000660407	0.001571201
Domestic-6	0.000166563	9.26302E-05	0.000161346	0.001403285	9.73586E-05	0.009229036	0.005474808	0.000284884	0.000482049
Domestic-7	0.000175975	0.000322358	0.000234382	0.001652162	0.000130912	0.009905805	0.005016475	0.000270899	0.000501237
Domestic-8	0.000190164	0.000159954	0.00018894	0.001413786	0.000144229	0.010916706	0.005156002	0.000309253	0.000577664
Domestic-9	0.000181056	9.37819E-05	0.000160598	0.001707287	0.000154318	0.010062405	0.005248291	0.000316446	0.000673547
Domestic-10	0.000189472	0.000104723	0.00029972	0.0017413	0.000180204	0.013559599	0.005613265	0.000412797	0.00101572
Domestic-11	0.000202774	0.000268526	0.000292456	0.00277876	0.000436255	0.030801177	0.002550766	0.000818652	0.001855115
Domestic-12	0.000197652	0.000240218	0.000231973	0.002477726	0.000348695	0.018850152	0.003675918	0.000720717	0.001803924
Domestic-13	0.000213871	0.000398175	0.000139094	0.002149366	0.000218963	0.015785873	0.00518005	0.000516273	0.001358217
Domestic-14	0.00014618	4.62298E-05	0.000344308	0.002154951	0.000318706	0.015866097	0.004059249	0.000721396	0.001642801
Domestic-15	0.000178905	0.000154306	0.000690085	0.002633022	0.00027462	0.021889345	0.003636704	0.000574832	0.001577543
Domestic-16	0.000232397	0.000241251	0.000467615	0.002106435	0.000294674	0.025788576	0.004867561	0.000585786	0.001606564

Domestic-17	0.000271891	0.000129565	0.000414898	0.001911208	0.000305533	0.019589983	0.005144365	0.000584291	0.001627196
Domestic-18	0.000204509	0.001002735	0.000203688	0.002005996	0.000252929	0.013935502	0.005118961	0.00058453	0.001590309
Domestic-19	0.00021836	0.000307094	0.000225655	0.001998743	0.000291579	0.016057776	0.005188497	0.000603844	0.001707957
Domestic-20	0.000205663	0.000688209	0.000214988	0.001965254	0.000283616	0.016373364	0.00527414	0.000562657	0.001612129
Domestic-21	0.000211739	0.00017356	0.000213365	0.001627004	0.000263118	0.015561937	0.005500874	0.000548472	0.001559803
Domestic-22	0.000147286	7.56566E-05	0.000176488	0.001743572	0.000248899	0.018514359	0.004833795	0.000650083	0.001701385
Domestic-23	0.000185969	8.61244E-05	0.000223985	0.001728312	0.000267624	0.015164107	0.004796432	0.000742044	0.001969687
Domestic-24	0.000185641	0.000497197	0.000418069	0.001488526	0.000309582	0.024024881	0.00411226	0.000694864	0.001932448
Domestic-25	0.000206937	4.14284E-05	0.000198672	0.002392163	0.000273853	0.017750151	0.00475256	0.000716934	0.001783756
Domestic-26	0.000213936	0.000616941	0.000283889	0.001930477	0.00023948	0.011286622	0.005368127	0.000543707	0.001407533
Domestic-27	0.0002156	5.93618E-05	0.000544621	0.002072795	0.000271817	0.01904125	0.005255885	0.000592546	0.001557274
Domestic-28	0.00019591	9.44894E-05	0.00050316	0.002269009	0.000239765	0.014975383	0.005369433	0.000606109	0.001602722
Domestic-29	0.000174093	0.000455961	0.000417093	0.002497868	0.0002614	0.013035022	0.004661146	0.000633783	0.001727302
Domestic-30	0.000191665	0.000120798	0.000516919	0.002094267	0.0003091	0.02695914	0.004604019	0.000585618	0.001595058
Domestic-31	0.000171886	0.000163588	0.000436147	0.002564385	0.000225365	0.016947295	0.003857276	0.000657049	0.001683077
Domestic-32	0.000197262	0.00064806	0.000437383	0.002481788	0.000264344	0.015181893	0.004802204	0.000591267	0.001632405
Domestic-33	0.000164046	4.69648E-05	0.000403015	0.002014431	0.000232508	0.017986019	0.004533253	0.000660897	0.001644042
Domestic-34	0.000133834	0.000235478	0.000289342	0.001973581	0.000364237	0.033502054	0.003380015	0.000862201	0.00174717
Domestic-35	0.000180862	6.75621E-05	0.000255236	0.001834969	0.000245372	0.024127889	0.004775982	0.000570702	0.001582
Domestic-36	0.000162856	0.00012317	0.000240394	0.001903852	0.000240727	0.02410898	0.004669736	0.000566269	0.001466896
Domestic-37	0.000164218	6.90166E-05	0.000228529	0.001882086	0.000249002	0.023278607	0.004752554	0.000522988	0.001433462
Domestic-38	0.000155597	5.47903E-05	0.000325448	0.001556434	0.000243645	0.023747643	0.00457924	0.000614464	0.001635884
Domestic-39	0.000211763	0.000110287	0.000314036	0.001892224	0.000298786	0.013463086	0.005189918	0.000616426	0.001670136
Domestic-40	0.000195522	6.98639E-05	0.000550024	0.001884982	0.000262302	0.018602857	0.005181095	0.000500441	0.001374189
Domestic-41	0.000191544	7.88639E-05	0.000409206	0.001587764	0.000262691	0.020202542	0.005205855	0.000539837	0.00146839
Domestic-42	0.000192135	4.99784E-05	0.000352565	0.002043475	0.000300389	0.021690171	0.004618593	0.000581457	0.00160728
Domestic-43	0.000184899	5.84786E-05	0.000837839	0.00172305	0.000289213	0.020652994	0.004802705	0.00064949	0.001718314
Imported-1	0.000125881	0.000133801	0.000986369	0.00263466	0.000219933	0.009850506	0.0046282	0.000509484	0.001263492
Imported-2	0.000129143	0.000361058	0.000727836	0.002265352	0.000255606	0.023120647	0.004591441	0.000599492	0.001482732
Imported-3	5.76195E-05	0.000540819	0.000525279	0.00329488	0.000288065	0.0246573	0.00257601	0.000856884	0.001390386
Imported-4	0.000167427	0.00173956	0.000555949	0.002550054	0.000274122	0.030190312	0.003940985	0.000535114	0.001376692
Imported-5	0.00011721	0.000551053	0.000955228	0.002282239	0.000263051	0.023321403	0.004014722	0.00066113	0.001637791
Imported-6	0.000141623	0.000754507	0.000841506	0.002452216	0.00037967	0.029128589	0.003378856	0.000817102	0.00173585
Imported-7	6.30695E-05	0.00023934	0.000850473	0.002310789	0.000256743	0.031646071	0.003793109	0.000848137	0.001579795
Imported-8	7.25543E-05	0.000270656	0.000822948	0.002303829	0.000246123	0.041878053	0.002991803	0.000706902	0.001465185
Imported-9	0.000187646	0.000603358	0.000328641	0.001897659	0.000244841	0.016754677	0.005180666	0.000614542	0.001555405
Imported-10	0.000130648	0.000454606	0.000828947	0.002149656	0.000210949	0.031002135	0.004809286	0.000524956	0.001303916
Imported-11	9.74455E-05	0.00051287	0.00106157	0.002713618	0.000340959	0.032124451	0.002687063	0.000837745	0.00143357
Imported-12	0.000129957	0.001718684	0.001466392	0.003482977	0.000361706	0.027231825	0.002891444	0.000653199	0.001449685
Imported-13	0.000110837	0.001426703	0.000834416	0.002988999	0.00045718	0.029060014	0.002747244	0.000999896	0.001706019
Imported-14	0.000129275	0.000537643	0.000616456	0.002390183	0.000206394	0.018975399	0.005042127	0.000537306	0.001314601
Imported-15	0.000132386	0.001629395	0.000680708	0.002003945	0.000257683	0.021269768	0.004492638	0.00062729	0.001573908
Imported-16	0.000191866	0.000921644	0.000512111	0.002494479	0.000244881	0.0153943	0.004530899	0.000639933	0.001689595
Imported-17	7.23233E-05	0.002036713	0.00094133	0.002793029	0.00061026	0.031689159	0.003547	0.000754979	0.001459616
Imported-18	8.80341E-05	0.000383777	0.000711607	0.001798147	0.000212735	0.032750607	0.004147247	0.000601001	0.001491101

Imported-19	0.000125963	0.002445739	0.000949756	0.002524553	0.000334693	0.023728125	0.003462184	0.000722458	0.001641183
Imported-20	0.000138841	0.002470122	0.000808885	0.002568444	0.000321509	0.022570026	0.00364259	0.000627827	0.001563065
Imported-21	0.000108864	0.001561179	0.000817885	0.002763131	0.000333043	0.025332247	0.003282602	0.00073922	0.001591687
Imported-22	0.000111384	0.002374345	0.000794072	0.002383939	0.000302193	0.022887653	0.003277798	0.000655161	0.001593889
Imported-23	0.000127554	0.002315641	0.000789818	0.002984784	0.000364145	0.025106987	0.00309862	0.000795848	0.00164937
Imported-24	0.00015569	0.002127302	0.001310919	0.003380015	0.00038742	0.026657622	0.003165982	0.000664035	0.001585433
Imported-25	0.00010761	0.003408152	0.001624492	0.003100297	0.000459504	0.029944436	0.003160265	0.000871346	0.001683238
Imported-26	0.000134251	0.002313874	0.001362012	0.003040268	0.000375155	0.026801836	0.003241148	0.000621029	0.001540935
Imported-27	0.000146502	0.001997618	0.001079096	0.003150605	0.000354856	0.023354078	0.00374743	0.000620842	0.001410263
Imported-28	0.000169653	0.003025741	0.001168052	0.003483632	0.000401603	0.027565968	0.0032686	0.000682234	0.001518792
Imported-29	0.000132193	0.001831511	0.001145883	0.001997012	0.000294733	0.021745699	0.004895612	0.000600449	0.001594896
Imported-30	0.000180846	0.00223421	0.001091092	0.003067474	0.000338281	0.023653947	0.003913147	0.000558537	0.001417868
Imported-31	0.000116164	0.002186898	0.000989827	0.002302136	0.000384777	0.022102666	0.003261155	0.000766883	0.001638376
Imported-32	0.000183374	0.003376438	0.000773669	0.0021029	0.000325795	0.021569809	0.004185884	0.000606981	0.001648691
Imported-33	0.000120309	0.00218701	0.000666551	0.00308087	0.000353731	0.022793985	0.003105749	0.000835385	0.001581142
Imported-34	0.000112133	0.001938553	0.000557998	0.001977976	0.00026166	0.018141068	0.00375929	0.000720389	0.00171543
Imported-35	5.83562E-05	0.000293614	0.000806948	0.00209354	0.000238039	0.037371119	0.003416778	0.000753838	0.001595947
Imported-36	0.000132416	0.005189746	0.000941054	0.002551506	0.000270663	0.034320141	0.00377838	0.000641914	0.001517777