~A	DEPT[F	GAMMA 2	INDUCTION	INDUC_SH	GAMMA_2	INDUC_LO	INDUC_SH	NEUTRON_	NEUTRON_
	1.3	-99999	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	1.4	85.2502	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	1.5	87.2866	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	1.6	87.4388	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	1.7	89.4759	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	1.8	91.8953	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	1.9	90.8996	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2	87.495	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2.1	86.7133	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2.2	83.045	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2.3	81.5403	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2.4	80.1577	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2.5	80.9869	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2.6	75.9287	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2.7	71.7556	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2.8	68.233	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	2.9	66.8624	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3	61.4617	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3.1	60.9781	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3.2	63.8807	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3.3	57.3756	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3.4	54.4317	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3.5	55.9032	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3.6	56.3616	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3.7	59.2248	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3.8	59.4318	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	3.9	61.0263	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4	59.4318	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4.1	59.8422	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4.2	64.4908	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4.3	65.3369	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4.4	65.0781	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4.5	64.5123	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4.6	66.3169	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4.7	66.2681	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4.8	70.0619	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	4.9	70.1695	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	5	66.8856	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	5.1	68.0657	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	5.2	71.5492	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	5.3	74.4902	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	5.4	75.5338	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	5.5	74.8732	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	5.6	77.5818	-99999	-99999	-99999	-99999	-99999	-99999	-99999
	5.7	76.5646	-99999	-99999	-99999	-99999	-99999	-99999	-99999

5.8	76.9486	-99999	-99999	-99999	-99999	-99999	-99999	-99999
5.9	78.8358	-99999	-99999	-99999	-99999	-99999	-99999	-99999
6	80.6497	-99999	-99999	-99999	-99999	-99999	-99999	-99999
6.1	80.3883	-99999	-99999	-99999	-99999	-99999	-99999	-99999
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6.3	78.266	8.09429	-99999	-99999	-99999	-99999	-99999	-99999
6.4	80.2428	8.02524	-99999	-99999	-99999	-99999	-99999	-99999
6.5	81.8494	7.967	-99999	-99999	-99999	-99999	-99999	-99999
6.6	83.6699	7.93404	-99999	-99999	-99999	-99999	-99999	-99999
6.7	86.3795	7.96195	-99999	-99999	-99999	-99999	-99999	-99999
6.8	87.4619	8.05826	-99999	-99999	-99999	-99999	-99999	-99999
6.9	84.6144	8.19529	-99999	-99999	-99999	-99999	-99999	-99999
7	84.2808	8.36817	14.6573	-99999	-99999	-99999	-99999	-99999
7.1	86.4467	8.60374	14.8081	-99999	-99999	-99999	-99999	-99999
7.2	89.3385	8.9217	14.9986	-99999	-99999	-99999	-99999	-99999
7.3	90.8337	9.33049	15.2144	-99999	-99999	-99999	-99999	-99999
7.4	88.9506	9.78241	15.4651	-99999	-99999	-99999	-99999	-99999
7.5	88.491	10.2779	15.73	-99999	-99999	-99999	-99999	-99999
7.6	89.184	10.756	16.0145	-99999	-99999	-99999	-99999	-99999
7.7	91.5342	11.1913	16.2599	-99999	-99999	-99999	-99999	-99999
7.8	95.0131	11.5567	16.4467	-99999	-99999	-99999	-99999	-99999
7.9	94.4813	11.8518	16.5734	-99999	-99999	-99999	-99999	-99999
8	94.6891	12.0537	16.5724	-99999	-99999	-99999	-99999	-99999
8.1	92.8788	12.1214	16.5021	-99999	-99999	-99999	-99999	-99999
8.2	91.1955	12.0832	16.3656	-99999	-99999	-99999	-99999	-99999
8.3	90.0035	11.9458	16.1994	-99999	-99999	-99999	990.953	-99999
8.4	90.8676	11.6683	16.014	-99999	-99999	-99999	1005.36	-99999
8.5	89.8644	11.3652	15.7685	-99999	-99999	-99999	1009.36	-99999
8.6	90.7041	11.0321	15.5215	-99999	-99999	-99999	1001.63	-99999
8.7	87.4754	10.7177	15.2658	-99999	-99999	-99999	991.202	-99999
8.8	91.3312	10.4234	15.0361	-99999	-99999	-99999	998.824	-99999
8.9	89.1903	10.1242	14.8355	-99999	-99999	-99999	998.667	-99999
9	85.836	9.84779	14.6522	-99999	-99999	-99999	987.99	-99999
9.1	84.5963	9.54627	14.4785	-99999	-99999	-99999	990.174	-99999
9.2	82.532	9.28595	14.241	-99999	-99999	-99999	995.362	-99999
9.3	86.2341	9.06142	13.9245	-99999	-99999	-99999	981.571	-99999
9.4	88.1717	8.83571	13.5713	-99999	-99999	-99999	974.493	-99999
9.5	83.7102	8.63915	13.2233	-99999	-99999	-99999	973.855	-99999
9.6	88.1103	8.47724	12.8782	-99999	-99999	-99999	971.996	-99999
9.7	84.7851	8.32969	12.5502	-99999	-99999	-99999	950.054	-99999
9.8	86.0694	8.21205	12.259	-99999	-99999	-99999	944.213	-99999
9.9	90.1075	8.13173	11.9869	-99999	-99999	-99999	954.96	-99999
10	91.0055	8.09163	11.7775	-99999	-99999	-99999	953.4	-99999
10.1	98.9686	8.08767	11.6884	-99999	-99999	-99999	941.093	-99999
10.2	95.5417	8.13587	11.7136	-99999	-99999	-99999	934.204	-99999
10.3	93.4871	8.22065	11.7835	-99999	-99999	-99999	938.716	-99999
10.4	89.9554	8.33675	11.8615	-99999	-99999	-99999	968.437	-99999

10.5	86.7872	8.44198	11.9605	-99999	-99999	-99999	982.558	-99999
10.6	90.3259	8.52725	12.0317	-99999	-99999	-99999	984.247	-99999
10.7	92.2069	8.60347	12.0814	-99999	-99999	-99999	975.669	-99999
10.8	88.5563	8.66472	12.1075	-99999	-99999	-99999	959.452	-99999
10.9	85.3038	8.70351	12.0574	-99999	-99999	-99999	953.729	-99999
11	81.2109	8.72534	11.9555	-99999	-99999	-99999	954.575	-99999
11.1	78.7238	8.71478	11.8618	-99999	-99999	-99999	958.313	-99999
11.2	83.0555	8.66208	11.8164	-99999	-99999	-99999	951.048	-99999
11.3	87.9374	8.58322	11.8041	-99999	-99999	-99999	911.382	-99999
11.4	89.4222	8.54059	11.7849	-99999	-99999	-99999	893.073	-99999
11.5	88.2368	8.57696	11.7896	-99999	-99999	-99999	886.198	-99999
11.6	89.841	8.68998	11.8677	-99999	-99999	-99999	873.835	-99999
11.7	93.134	8.85007	12.0832	-99999	-99999	-99999	874.383	-99999
11.8	95.141	9.02858	12.4222	-99999	-99999	-99999	864.327	-99999
11.9	99.0908	9.2082	12.856	-99999	-99999	-99999	843.715	-99999
12	100.22	9.35778	13.3251	-99999	-99999	-99999	820.92	-99999
12.1	97.1471	9.46341	13.7214	-99999	-99999	-99999	797.738	-99999
12.2	96.7265	9.51932	14.0062	-99999	-99999	-99999	796.359	-99999
12.3	95.9616	9.51141	14.2336	-99999	-99999	-99999	788.146	-99999
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12.5	92.2202	9.26355	14.311	-99999	-99999	-99999	772.333	-99999
12.6	90.9494	9.05789	13.964	-99999	-99999	-99999	751.651	-99999
12.7	90.1384	8.83011	13.4751	-99999	-99999	-99999	753.708	-99999
12.8	86.5319	8.61027	12.9449	-99999	-99999	-99999	766.059	-99999
12.9	86.5197	8.45483	12.4431	-99999	-99999	-99999	758.888	-99999
13	90.718	8.39389	12.1187	-99999	-99999	-99999	758.518	-99999
13.1	92.2828	8.42894	11.9757	-99999	-99999	-99999	756.611	-99999
13.2	92.3181	8.56067	12.0458	-99999	-99999	-99999	747.804	-99999
13.3	93.509	8.78551	12.3073	-99999	-99999	-99999	749.886	-99999
13.4	95.9662	9.09966	12.7201	-99999	-99999	-99999	767.046	-99999
13.5	97.2462	9.46504	13.3939	-99999	-99999	-99999	774.957	-99999
13.6	95.4187	9.81293	14.0524	-99999	-99999	-99999	765.496	-99999
13.7	94.791	10.1393	14.6489	-99999	-99999	-99999	745.896	-99999
13.8	93.1268	10.4562	15.221	-99999	-99999	-99999	754.827	-99999
13.9	91.5514	10.7397	15.5921	-99999	-99999	-99999	770.024	-99999
14	91.8758	10.9647	15.857	-99999	-99999	-99999	759.114	-99999
14.1	90.3484	11.1177	16.025	-99999	-99999	-99999	756.45	-99999
14.2	88.5272	11.1954	16.0643	-99999	-99999	-99999	736.071	-99999
14.3	87.7509	11.1832	16.1257	-99999	-99999	-99999	708.758	-99999
14.4	89.9495	11.1254	16.1157	-99999	-99999	-99999	686.834	-99999
14.5	91.0429	11.1072	16.141	-99999	-99999	-99999	692.233	-99999
14.6	92.5183	11.1001	16.1356	-99999	-99999	-99999	700.625	-99999
14.7	94.8235	11.0663	16.098	-99999	-99999	-99999	686.678	-99999
14.8	92.0826	11.0215	16.1278	-99999	-99999	-99999	670.914	-99999
14.9	91.6091	10.9748	16.1641	-99999	-99999	-99999	689.55	-99999
15	94.5191	10.9459	16.194	-99999	-99999	-99999	669.031	-99999
15.1	93.6105	10.9232	16.267	-99999	-99999	-99999	672.382	-99999

15.2	94.5667	10.9302	16.2983	-99999	-99999	-99999	685.224	-99999
15.3	94.7993	10.9622	16.323	-99999	-99999	-99999	705.55	-99999
15.4	95.9998	10.9849	16.4135	-99999	-99999	-99999	701.727	-99999
15.5	94.7615	10.9874	16.5544	-99999	-99999	-99999	700.329	-99999
15.6	94.1641	10.9892	16.6939	-99999	-99999	-99999	722.841	-99999
15.7	92.9223	10.9892	16.8371	-99999	-99999	-99999	704.341	-99999
15.8	87.351	11.0619	16.9627	-99999	-99999	-99999	706.003	-99999
15.9	84.2678	11.1822	17.0661	-99999	-99999	-99999	718.4	-99999
16	80.3518	11.3889	17.1497	-99999	-99999	-99999	727.951	-99999
16.1	72.9338	11.6195	17.2433	-99999	-99999	-99999	739.024	-99999
16.2	69.9219	11.8781	17.3225	-99999	-99999	-99999	734.821	-99999
16.3	70.0988	12.1124	17.3295	-99999	-99999	-99999	743.624	-99999
16.4	70.1123	12.3678	17.2915	-99999	-99999	-99999	761.217	-99999
16.5	68.1042	12.6398	17.2192	-99999	-99999	-99999	752.25	-99999
16.6	72.3499	12.9443	17.177	-99999	-99999	-99999	751.796	-99999
16.7	76.6826	13.1783	17.0954	-99999	-99999	-99999	758.643	-99999
16.8	78.3422	13.347	17.0102	-99999	-99999	-99999	763.622	-99999
16.9	84.1756	13.3992	16.8995	-99999	-99999	-99999	753.543	-99999
17	89.8856	13.3678	16.7325	-99999	-99999	-99999	736.492	-99999
17.1	91.3217	13.2558	16.5799	-99999	-99999	-99999	728.973	-99999
17.2	89.8868	13.1211	16.4146	-99999	-99999	-99999	719.938	-99999
17.3	91.6736	12.9385	16.2736	-99999	-99999	-99999	713.923	-99999
17.4	91.9011	12.7226	16.1377	-99999	-99999	-99999	719.355	-99999
17.5	86.5305	12.4718	15.9402	-99999	-99999	-99999	726.379	-99999
17.6	87.4265	12.2177	15.7669	-99999	-99999	-99999	720.442	-99999
17.7	89.5582	11.9378	15.6088	-99999	-99999	-99999	709.092	-99999
17.8	87.2341	11.6704	15.45	-99999	-99999	-99999	703.219	-99999
17.9	84.3247	11.4323	15.2977	-99999	-99999	-99999	709.556	-99999
18	85.8845	11.2299	15.1353	-99999	-99999	-99999	718.577	-99999
18.1	88.2271	11.0367	14.9905	-99999	-99999	-99999	711.083	-99999
18.2	90.7762	10.8658	14.8238	-99999	-99999	-99999	683.912	-99999
18.3	92.0861	10.6996	14.6357	-99999	-99999	-99999	664.078	-99999
18.4	95.5523	10.5267	14.4894	-99999	-99999	-99999	647.566	-99999
18.5	96.4762	10.3606	14.3232	-99999	-99999	-99999	654.863	-99999
18.6	96.3983	10.2252	14.1359	-99999	-99999	-99999	667.442	-99999
18.7	97.9603	10.1189	13.9746	-99999	-99999	-99999	672.201	-99999
18.8	100.073	10.0346	13.8074	-99999	-99999	-99999	657.3	-99999
18.9	98.2711	9.97471	13.6308	-99999	-99999	-99999	644.549	-99999
19	98.4217	9.94826	13.4168	-99999	-99999	-99999	647.849	-99999
19.1	95.7337	9.9303	13.1883	-99999	-99999	-99999	655.004	-99999
19.2	94.1549	9.91494	12.9938	-99999	-99999	-99999	663.741	-99999
19.3	94.676	9.92169	12.7605	-99999	-99999	-99999	676.01	-99999
19.4	97.1449	9.95705	12.5501	-99999	-99999	-99999	651.396	-99999
19.5	97.0382	10.0002	12.3339	-99999	-99999	-99999	641.607	-99999
19.6	97.0945	10.0357	12.1363	-99999	-99999	-99999	633.652	-99999
19.7	97.4542	10.0536	11.9765	-99999	-99999	-99999	640.672	-99999
19.8	97.2059	10.0367	11.8166	-99999	-99999	-99999	642.192	-99999

19.9	96.7542	9.9854	11.6986	-99999	-99999	-99999	631.543	-99999
20	96.6615	9.91298	11.5679	-99999	-99999	-99999	634.941	-99999
20.1	96.9255	9.81434	11.4034	-99999	-99999	-99999	625.127	-99999
20.2	95.0605	9.66013	11.2452	-99999	-99999	-99999	603.148	-99999
20.3	90.8969	9.44657	11.0584	-99999	-99999	-99999	612.652	-99999
20.4	89.9037	9.18986	10.8407	-99999	-99999	-99999	625.58	-99999
20.5	89.1508	8.91316	10.5734	-99999	-99999	-99999	660.943	-99999
20.6	91.4961	8.63957	10.2811	-99999	-99999	-99999	672.251	-99999
20.7	95.6876	8.38526	9.98388	-99999	-99999	-99999	664.652	-99999
20.8	95.9256	8.15284	9.6904	-99999	-99999	-99999	648.929	-99999
20.9	95.1153	7.95132	9.44371	-99999	-99999	-99999	626.87	-99999
21	94.1985	7.79134	9.20545	-99999	-99999	-99999	634.948	-99999
21.1	92.6525	7.67654	9.0261	-99999	-99999	-99999	645.218	-99999
21.2	94.821	7.61711	8.85096	-99999	-99999	-99999	625.95	-99999
21.3	96.6157	7.6107	8.71597	-99999	-99999	-99999	618.5	-99999
21.4	97.3327	7.64424	8.64768	-99999	-99999	-99999	580.024	-99999
21.5	94.6967	7.70306	8.58346	-99999	-99999	-99999	578.07	-99999
21.6	92.3774	7.76818	8.55056	-99999	-99999	-99999	590.476	-99999
21.7	93.8782	7.84631	8.51434	-99999	-99999	-99999	618.854	-99999
21.8	93.3825	7.91843	8.5	-99999	-99999	-99999	633.345	-99999
21.9	95.8288	7.98777	8.48832	-99999	-99999	-99999	647.561	-99999
22	92.6632	8.04823	8.47935	-99999	-99999	-99999	656.065	-99999
22.1	88.518	8.08915	8.5067	-99999	-99999	-99999	678.649	-99999
22.2	85.731	8.11113	8.55267	-99999	-99999	-99999	696.06	-99999
22.3	82.5104	8.11803	8.60184	-99999	-99999	-99999	695.217	-99999
22.4	78.314	8.11441	8.65751	-99999	-99999	-99999	690.388	-99999
22.5	79.2846	8.11427	8.72174	-99999	-99999	-99999	689.184	-99999
22.6	76.909	8.0986	8.79847	-99999	-99999	-99999	686.568	-99999
22.7	78.3064	8.08173	8.87135	-99999	-99999	-99999	705.322	-99999
22.8	78.5685	8.05597	8.96543	-99999	-99999	-99999	688.776	-99999
22.9	86.4188	8.02492	9.03954	-99999	-99999	-99999	692.75	-99999
23	89.6166	7.9884	9.08083	-99999	-99999	-99999	694.908	-99999
23.1	94.0737	7.95625	9.12408	-99999	-99999	-99999	691.533	-99999
23.2	99.7835	7.94183	9.18637	-99999	-99999	-99999	704.994	-99999
23.3	104.003	7.93278	9.27003	-99999	-99999	-99999	715.959	-99999
23.4	102.327	7.94714	9.36327	-99999	-99999	-99999	705.887	-99999
23.5	108	7.98443	9.47334	-99999	-99999	-99999	713.835	-99999
23.6	109.167	8.04968	9.59149	-99999	-99999	-99999	699.252	-99999
23.7	104.098	8.13873	9.71991	-99999	-99999	-99999	698.722	-99999
23.8	101.555	8.25569	9.87522	-99999	-99999	-99999	696.984	-99999
23.9	104.152	8.38133	10.048	-99999	-99999	-99999	685.602	-99999
24	100.437	8.52951	10.2149	-99999	-99999	-99999	671.008	-99999
24.1	105.321	8.6699	10.3587	-99999	-99999	-99999	669.119	-99999
24.2	102.504	8.79576	10.4964	-99999	-99999	-99999	679.157	-99999
24.3	102.393	8.92066	10.6153	-99999	-99999	-99999	685.452	-99999
24.4	96.5831	9.05136	10.6991	-99999	-99999	-99999	672.924	-99999
24.5	96.1505	9.17291	10.774	-99999	-99999	-99999	678.185	-99999

24.6	101.923	9.28034	10.8231	-99999	-99999	-99999	679.312	-99999
24.7	105.175	9.37357	10.8633	-99999	-99999	-99999	661.163	-99999
24.8	101.346	9.46452	10.9105	-99999	-99999	-99999	653.238	-99999
24.9	99.8699	9.53208	10.9407	-99999	-99999	-99999	662.718	-99999
25	92.2403	9.6005	10.9605	-99999	-99999	-99999	660.03	-99999
25.1	92.2822	9.66989	10.9789	-99999	-99999	-99999	649.476	-99999
25.2	90.6659	9.7221	11.0133	-99999	-99999	-99999	655.692	-99999
25.3	92.8426	9.7726	11.0612	-99999	-99999	-99999	658.926	-99999
25.4	91.4688	9.80981	11.1217	-99999	-99999	-99999	665.678	-99999
25.5	86.7491	9.83616	11.1717	-99999	-99999	-99999	676.169	-99999
25.6	81.8381	9.82621	11.1997	-99999	-99999	-99999	701.151	-99999
25.7	82.8019	9.7739	11.2282	-99999	-99999	-99999	710.469	-99999
25.8	87.7303	9.74459	11.2651	-99999	-99999	-99999	689.982	-99999
25.9	91.6824	9.73555	11.2643	-99999	-99999	-99999	680.169	-99999
26	91.8987	9.73041	11.1997	-99999	-99999	-99999	677.047	-99999
26.1	92.5596	9.71363	11.1724	-99999	-99999	-99999	674.133	-99999
26.2	91.2667	9.6795	11.2017	-99999	-99999	-99999	685.221	-99999
26.3	89.9243	9.6451	11.1928	-99999	-99999	-99999	670.342	-99999
26.4	90.292	9.60651	11.2119	-99999	-99999	-99999	672.158	-99999
26.5	93.1032	9.59276	11.2132	-99999	-99999	-99999	676.923	-99999
26.6	91.2402	9.59726	11.208	-99999	-99999	-99999	692.006	-99999
26.7	86.7659	9.59562	11.2983	-99999	-99999	-99999	692.587	-99999
26.8	82.1222	9.58232	11.4732	-99999	-99999	-99999	704.838	-99999
26.9	81.4058	9.53774	11.5922	-99999	-99999	-99999	704.033	-99999
27	77.2181	9.48922	11.6127	-99999	-99999	-99999	693.153	-99999
27.1	75.805	9.45357	11.6008	-99999	-99999	-99999	684.457	-99999
27.2	77.7346	9.42456	11.6245	-99999	-99999	-99999	693.297	-99999
27.3	73.6656	9.4037	11.6398	-99999	-99999	-99999	693.215	-99999
27.4	71.9883	9.41104	11.6887	-99999	-99999	-99999	681.296	-99999
27.5	74.137	9.42234	11.7319	-99999	-99999	-99999	699.894	-99999
27.6	77.0761	9.3951	11.6642	-99999	-99999	-99999	718.912	-99999
27.7	77.8868	9.37725	11.6134	-99999	-99999	-99999	706.187	-99999
27.8	76.7716	9.40635	11.6602	-99999	-99999	-99999	702.443	-99999
27.9	79.1478	9.44597	11.7397	-99999	-99999	-99999	710.572	-99999
28	79.7179	9.47845	11.8023	-99999	-99999	-99999	714.652	-99999
28.1	81.9336	9.52149	11.8519	-99999	-99999	-99999	708.598	-99999
28.2	87.7865	9.56414	11.9207	-99999	-99999	-99999	705.612	-99999
28.3	90.6981	9.58498	11.9743	-99999	-99999	-99999	731.268	-99999
28.4	88.3774	9.61036	12.0083	-99999	-99999	-99999	727.063	-99999
28.5	87.1853	9.66472	12.022	-99999	-99999	-99999	738.647	-99999
28.6	88.6931	9.70645	12.0305	-99999	-99999	-99999	739.806	-99999
28.7	91.0359	9.75045	12.0914	-99999	-99999	-99999	743.659	-99999
28.8	90.8426	9.79071	12.14	-99999	-99999	-99999	750.83	-99999
28.9	89.9163	9.83881	12.1879	-99999	-99999	-99999	765.637	-99999
29	87.5205	9.88302	12.2179	-99999	-99999	-99999	765.729	-99999
29.1	87.0137	9.93947	12.2315	-99999	-99999	-99999	764.64	-99999
29.2	83.3523	9.99889	12.2399	-99999	-99999	-99999	742.647	-99999

29.3	84.3451	10.0542	12.2938	-99999	-99999	-99999	720.708	-99999
29.4	86.2001	10.0901	12.3822	-99999	-99999	-99999	733.261	-99999
29.5	88.7037	10.0999	12.4221	-99999	-99999	-99999	722.972	-99999
29.6	89.2799	10.1059	12.4214	-99999	-99999	-99999	731.494	-99999
29.7	89.3304	10.1128	12.4071	-99999	-99999	-99999	712.843	-99999
29.8	93.1299	10.1067	12.4085	-99999	-99999	-99999	705.586	-99999
29.9	93.7797	10.0703	12.4222	-99999	-99999	-99999	701.536	-99999
30	93.4585	10.0154	12.4186	-99999	-99999	-99999	704.829	-99999
30.1	91.5106	9.9183	12.4212	-99999	-99999	-99999	685.588	-99999
30.2	88.9602	9.82428	12.3826	-99999	-99999	-99999	680.428	-99999
30.3	87.4012	9.72161	12.3277	-99999	-99999	-99999	656.748	-99999
30.4	90.1345	9.63911	12.2841	-99999	-99999	-99999	675.883	-99999
30.5	87.7524	9.52735	12.2109	-99999	-99999	-99999	679.303	-99999
30.6	91.0044	9.44407	12.1167	-99999	-99999	-99999	676.753	-99999
30.7	86.8583	9.37094	11.9865	-99999	-99999	-99999	677.493	-99999
30.8	88.0377	9.32013	11.8468	-99999	-99999	-99999	682.856	-99999
30.9	85.5019	9.27706	11.6902	-99999	-99999	-99999	675.388	-99999
31	90.43	9.2835	11.5113	-99999	-99999	-99999	681.281	-99999
31.1	92.7944	9.30031	11.3399	-99999	-99999	-99999	695.128	-99999
31.2	88.3436	9.33716	11.1538	-99999	-99999	-99999	698.107	-99999
31.3	83.395	9.39098	10.9618	-99999	-99999	-99999	691.59	-99999
31.4	86.7935	9.46764	10.7911	-99999	-99999	-99999	686.402	-99999
31.5	85.5794	9.52408	10.6332	-99999	-99999	-99999	676.525	-99999
31.6	84.7233	9.57734	10.4788	-99999	-99999	-99999	651.796	-99999
31.7	86.0021	9.63173	10.3356	-99999	-99999	-99999	638.351	-99999
31.8	88.1899	9.67764	10.2198	-99999	-99999	-99999	641.464	-99999
31.9	88.9855	9.6926	10.1171	-99999	-99999	-99999	641.617	-99999
32	88.4976	9.68663	10.0113	-99999	-99999	-99999	626.497	-99999
32.1	91.4189	9.64473	9.91015	-99999	-99999	-99999	619.051	-99999
32.2	87.6515	9.57766	9.81484	-99999	-99999	-99999	608.615	-99999
32.3	84.1305	9.47136	9.72068	-99999	-99999	-99999	608.163	-99999
32.4	80.8996	9.33314	9.60074	-99999	-99999	-99999	628.814	-99999
32.5	80.9371	9.15835	9.47562	-99999	-99999	-99999	639.83	-99999
32.6	79.4611	8.95677	9.32847	-99999	-99999	-99999	643.74	-99999
32.7	78.9073	8.74497	9.15551	-99999	-99999	-99999	637.96	-99999
32.8	81.4345	8.53585	8.95555	-99999	-99999	-99999	632.386	-99999
32.9	84.6159	8.32775	8.74248	-99999	-99999	-99999	642.906	-99999
33	83.9495	8.14412	8.54526	-99999	-99999	-99999	641.576	-99999
33.1	89.5046	7.99211	8.34665	-99999	-99999	-99999	631.549	-99999
33.2	93.676	7.8752	8.18838	-99999	-99999	-99999	627.742	-99999
33.3	93.6713	7.80452	8.07931	-99999	-99999	-99999	613.926	-99999
33.4	91.2499	7.78797	8.023	-99999	-99999	-99999	610.199	-99999
33.5	88.7634	7.8125	8.03433	-99999	-99999	-99999	616.933	-99999
33.6	86.211	7.88229	8.09992	-99999	-99999	-99999	623.192	-99999
33.7	80.5448	7.99889	8.21122	-99999	-99999	-99999	611.83	-99999
33.8	78.0878	8.13952	8.40093	-99999	-99999	-99999	610.115	-99999
33.9	79.7907	8.28021	8.60374	-99999	-99999	-99999	624.75	-99999

34	77.5966	8.40946	8.83018	-99999	-99999	-99999	643.285	-99999
34.1	75.4866	8.52962	9.04471	-99999	-99999	-99999	643.063	-99999
34.2	77.1428	8.62729	9.25124	-99999	-99999	-99999	664.517	-99999
34.3	79.3398	8.70646	9.4283	-99999	-99999	-99999	674.086	-99999
34.4	81.2611	8.78012	9.61528	-99999	-99999	-99999	664.758	-99999
34.5	82.1171	8.8251	9.7962	-99999	-99999	-99999	668.472	-99999
34.6	80.0751	8.83577	9.96698	-99999	-99999	-99999	691.567	-99999
34.7	76.1041	8.83974	10.0929	-99999	-99999	-99999	699.392	-99999
34.8	74.8875	8.84272	10.199	-99999	-99999	-99999	702.772	-99999
34.9	74.321	8.85882	10.3427	-99999	-99999	-99999	703.138	-99999
35	73.8386	8.8911	10.4431	-99999	-99999	-99999	720.213	-99999
35.1	76.4464	8.94289	10.5542	-99999	-99999	-99999	735.889	-99999
35.2	79.524	8.99032	10.6523	-99999	-99999	-99999	749.486	-99999
35.3	79.4899	9.02792	10.7413	-99999	-99999	-99999	761.14	-99999
35.4	80.5502	9.06437	10.799	-99999	-99999	-99999	771.399	-99999
35.5	82.4933	9.11805	10.8743	-99999	-99999	-99999	769.743	-99999
35.6	84.5652	9.17469	10.9309	-99999	-99999	-99999	761.906	-99999
35.7	84.5088	9.25465	10.9763	-99999	-99999	-99999	793.637	-99999
35.8	87.2981	9.3217	11.0222	-99999	-99999	-99999	800.011	-99999
35.9	84.8189	9.38868	11.1288	-99999	-99999	-99999	795.673	-99999
36	82.9761	9.4337	11.2058	-99999	-99999	-99999	759.406	-99999
36.1	81.5399	9.47666	11.2832	-99999	-99999	-99999	748.977	-99999
36.2	83.6418	9.51416	11.295	-99999	-99999	-99999	740.644	-99999
36.3	82.5726	9.53931	11.2989	-99999	-99999	-99999	741.582	-99999
36.4	88.7878	9.55323	11.2837	-99999	-99999	-99999	745.92	-99999
36.5	89.536	9.51667	11.2449	-99999	-99999	-99999	751.463	-99999
36.6	87.0483	9.44613	11.1812	-99999	-99999	-99999	724.273	-99999
36.7	86.2763	9.34808	11.0621	-99999	-99999	-99999	726.032	-99999
36.8	92.4272	9.2353	10.9038	-99999	-99999	-99999	718.542	-99999
36.9	94.8657	9.14814	10.7468	-99999	-99999	-99999	715.941	-99999
37	98.4625	9.08558	10.5917	-99999	-99999	-99999	723.561	-99999
37.1	95.8847	9.04851	10.4647	-99999	-99999	-99999	738.533	-99999
37.2	95.1044	9.01966	10.3588	-99999	-99999	-99999	727.175	-99999
37.3	94.0904	8.9835	10.2665	-99999	-99999	-99999	731.799	-99999
37.4	91.4235	8.99056	10.1998	-99999	-99999	-99999	717.566	-99999
37.5	90.8171	8.99713	10.1535	-99999	-99999	-99999	707.652	-99999
37.6	88.5306	9.03088	10.1067	-99999	-99999	-99999	710.827	-99999
37.7	85.6175	9.06313	10.0707	-99999	-99999	-99999	712.666	-99999
37.8	79.9347	9.08199	10.0432	-99999	-99999	-99999	725.078	-99999
37.9	73.9217	9.06448	9.98938	-99999	-99999	-99999	718.065	-99999
38	78.2444	9.01001	9.90716	-99999	-99999	-99999	703.508	-99999
38.1	83.7534	8.93976	9.7954	-99999	-99999	-99999	689.637	-99999
38.2	82.3385	8.86039	9.66817	-99999	-99999	-99999	678.834	-99999
38.3	88.864	8.76595	9.54342	-99999	-99999	-99999	669.438	-99999
38.4	89.2923	8.66603	9.4248	-99999	-99999	-99999	665.036	-99999
38.5	95.2479	8.56923	9.31877	-99999	-99999	-99999	657.861	-99999
38.6	97.1253	8.46208	9.20859	-99999	-99999	-99999	658.909	-99999

38.7	100.972	8.34473	9.08922	-99999	-99999	-99999	656.152	-99999
38.8	103.423	8.23543	8.99688	-99999	-99999	-99999	646.737	-99999
38.9	97.8249	8.14271	8.922	-99999	-99999	-99999	644.324	-99999
39	92.8053	8.04697	8.84764	-99999	-99999	-99999	648.755	-99999
39.1	92.2324	7.95727	8.76119	-99999	-99999	-99999	650.646	-99999
39.2	89.9689	7.87147	8.67005	-99999	-99999	-99999	649.589	-99999
39.3	90.3766	7.78896	8.57637	-99999	-99999	-99999	644.975	-99999
39.4	86.6435	7.70598	8.4839	-99999	-99999	-99999	648.313	-99999
39.5	84.4114	7.6382	8.40137	-99999	-99999	-99999	651.447	-99999
39.6	82.6278	7.59618	8.33356	-99999	-99999	-99999	648.971	-99999
39.7	83.9663	7.57468	8.28753	-99999	-99999	-99999	646.783	-99999
39.8	86.6684	7.58238	8.25607	-99999	-99999	-99999	654.946	-99999
39.9	87.8445	7.62061	8.26008	-99999	-99999	-99999	656.932	-99999
40	87.8438	7.68285	8.29822	-99999	-99999	-99999	656.062	-99999
40.1	90.8079	7.77664	8.35682	-99999	-99999	-99999	664.429	-99999
40.2	92.7269	7.89901	8.44378	-99999	-99999	-99999	670.35	-99999
40.3	89.8818	8.03522	8.54613	-99999	-99999	-99999	679.527	-99999
40.4	91.5623	8.17122	8.64993	-99999	-99999	-99999	689.239	-99999
40.5	94.5485	8.29444	8.7479	-99999	-99999	-99999	712.435	-99999
40.6	96.0078	8.40546	8.85213	-99999	-99999	-99999	714.599	-99999
40.7	98.7231	8.49661	8.94549	-99999	-99999	-99999	716.032	-99999
40.8	100.155	8.56327	9.02493	-99999	-99999	-99999	706.219	-99999
40.9	98.3151	8.61037	9.08178	-99999	-99999	-99999	709.366	-99999
41	94.7898	8.63163	9.1202	-99999	-99999	-99999	721.831	-99999
41.1	93.9898	8.63364	9.12604	-99999	-99999	-99999	725.185	-99999
41.2	95.918	8.60714	9.10601	-99999	-99999	-99999	726.141	-99999
41.3	96.2249	8.57536	9.06485	-99999	-99999	-99999	718.323	-99999
41.4	95.6959	8.53637	9.00715	-99999	-99999	-99999	699.977	-99999
41.5	93.2722	8.48203	8.92938	-99999	-99999	-99999	692.899	-99999
41.6	90.0898	8.43204	8.86385	-99999	-99999	-99999	695.594	-99999
41.7	89.3112	8.39587	8.77543	-99999	-99999	-99999	702.398	-99999
41.8	88.9469	8.36848	8.70614	-99999	-99999	-99999	715.756	-99999
41.9	86.4455	8.34636	8.63244	-99999	-99999	-99999	695.984	-99999
42	85.6297	8.32601	8.56941	-99999	-99999	-99999	690.743	-99999
42.1	83.014	8.32325	8.51814	-99999	-99999	-99999	670.416	-99999
42.2	77.9893	8.31039	8.49873	-99999	-99999	-99999	664.467	-99999
42.3	71.8807	8.31926	8.45054	-99999	-99999	-99999	664.048	-99999
42.4	69.1353	8.33176	8.41421	-99999	-99999	-99999	690.012	-99999
42.5	66.8688	8.34508	8.38915	-99999	-99999	-99999	691.041	-99999
42.6	65.8586	8.35206	8.36355	-99999	-99999	-99999	692.104	-99999
42.7	67.3449	8.34914	8.32974	-99999	-99999	-99999	667.877	-99999
42.8	70.672	8.329	8.2946	-99999	-99999	-99999	678.88	-99999
42.9	69.5403	8.30451	8.2644	-99999	-99999	-99999	686.371	-99999
43	71.1747	8.27261	8.22409	-99999	-99999	-99999	700.563	-99999
43.1	73.9185	8.23525	8.18867	-99999	-99999	-99999	693.543	-99999
43.2	75.3144	8.18859	8.17452	-99999	-99999	-99999	685.859	-99999
43.3	78.0059	8.14163	8.13785	-99999	-99999	-99999	661.88	-99999

43.4	78.684	8.08687	8.1164	-99999	-99999	-99999	656.404	-99999
43.5	76.9101	8.02775	8.10044	-99999	-99999	-99999	657.504	-99999
43.6	75.5105	7.9611	8.07725	-99999	-99999	-99999	686.218	-99999
43.7	72.0405	7.91502	8.06326	-99999	-99999	-99999	673.553	-99999
43.8	74.7897	7.85137	8.04161	-99999	-99999	-99999	671.117	-99999
43.9	76.6696	7.79123	8.01378	-99999	-99999	-99999	658.261	-99999
44	79.9164	7.73165	7.98726	-99999	-99999	-99999	661.95	-99999
44.1	82.2947	7.69206	7.97324	-99999	-99999	-99999	665.887	-99999
44.2	79.6366	7.63723	7.96318	-99999	-99999	-99999	676.468	-99999
44.3	78.9922	7.6028	7.95421	-99999	-99999	-99999	681.639	-99999
44.4	80.7352	7.57771	7.95272	-99999	-99999	-99999	693.183	-99999
44.5	87.349	7.56857	7.97077	-99999	-99999	-99999	674.446	-99999
44.6	92.7139	7.56109	7.99519	-99999	-99999	-99999	682.782	-99999
44.7	92.4966	7.58536	8.04303	-99999	-99999	-99999	686.203	-99999
44.8	93.8013	7.62352	8.11666	-99999	-99999	-99999	689.624	-99999
44.9	88.9582	7.67698	8.19006	-99999	-99999	-99999	699.919	-99999
45	89.8683	7.72365	8.27836	-99999	-99999	-99999	722.201	-99999
45.1	94.9712	7.79508	8.37164	-99999	-99999	-99999	721.931	-99999
45.2	99.9179	7.85726	8.46103	-99999	-99999	-99999	723.488	-99999
45.3	102.904	7.92339	8.54479	-99999	-99999	-99999	730.695	-99999
45.4	97.1783	7.99051	8.62003	-99999	-99999	-99999	742.774	-99999
45.5	94.8288	8.05448	8.69354	-99999	-99999	-99999	732.893	-99999
45.6	92.7787	8.10011	8.75264	-99999	-99999	-99999	716.995	-99999
45.7	90.2875	8.14225	8.78964	-99999	-99999	-99999	710.324	-99999
45.8	97.1107	8.1819	8.82409	-99999	-99999	-99999	704.413	-99999
45.9	99.9907	8.20828	8.84597	-99999	-99999	-99999	702.959	-99999
46	96.836	8.2274	8.85822	-99999	-99999	-99999	715.268	-99999
46.1	98.8981	8.24542	8.86964	-99999	-99999	-99999	706.296	-99999
46.2	98.6048	8.25857	8.88202	-99999	-99999	-99999	693.278	-99999
46.3	100.687	8.26683	8.88698	-99999	-99999	-99999	702.177	-99999
46.4	101.114	8.2717	8.87918	-99999	-99999	-99999	710.911	-99999
46.5	103.212	8.275	8.86192	-99999	-99999	-99999	717.248	-99999
46.6	104.986	8.26995	8.84241	-99999	-99999	-99999	720.127	-99999
46.7	103.465	8.25878	8.80404	-99999	-99999	-99999	718.652	-99999
46.8	103.964	8.25395	8.76744	-99999	-99999	-99999	705.895	-99999
46.9	101.012	8.24182	8.73584	-99999	-99999	-99999	677.708	-99999
47	97.9977	8.22158	8.68834	-99999	-99999	-99999	661.66	-99999
47.1	97.4137	8.20513	8.64478	-99999	-99999	-99999	645.019	-99999
47.2	100.014	8.19403	8.5976	-99999	-99999	-99999	641.232	-99999
47.3	102.308	8.19382	8.56004	-99999	-99999	-99999	635.663	-99999
47.4	103.894	8.198	8.521	-99999	-99999	-99999	621.771	-99999
47.5	103.784	8.20988	8.49962	-99999	-99999	-99999	618.236	-99999
47.6	100.926	8.22684	8.48612	-99999	-99999	-99999	603.063	-99999
47.7	98.442	8.25119	8.47431	-99999	-99999	-99999	573.869	-99999
47.8	98.6114	8.28521	8.45386	-99999	-99999	-99999	589.723	-99999
47.9	94.7953	8.32133	8.44762	-99999	-99999	-99999	604.818	-99999
48	91.6415	8.35514	8.45058	-99999	-99999	-99999	604.255	-99999

48.1	88.1545	8.37546	8.46935	-99999	-99999	-99999	592.61	-99999
48.2	87.1451	8.39067	8.4923	-99999	-99999	-99999	597.519	-99999
48.3	89.5604	8.40456	8.53326	-99999	-99999	-99999	606.401	-99999
48.4	90.541	8.41716	8.56816	-99999	-99999	-99999	599.171	-99999
48.5	89.7262	8.42274	8.61478	-99999	-99999	-99999	596.275	-99999
48.6	88.8718	8.41346	8.68837	-99999	-99999	-99999	639.531	-99999
48.7	90.574	8.40164	8.76383	-99999	-99999	-99999	624.956	-99999
48.8	95.1744	8.38228	8.83682	-99999	-99999	-99999	622.368	-99999
48.9	97.6667	8.36439	8.91422	-99999	-99999	-99999	639.052	-99999
49	100.633	8.34672	8.98118	-99999	-99999	-99999	657.651	-99999
49.1	101.229	8.32405	9.04679	-99999	-99999	-99999	658.247	-99999
49.2	101.099	8.29994	9.10437	-99999	-99999	-99999	672.52	-99999
49.3	100.156	8.26198	9.17525	-99999	-99999	-99999	676.075	-99999
49.4	101.815	8.23276	9.25126	-99999	-99999	-99999	690.301	-99999
49.5	106.249	8.22328	9.31197	-99999	-99999	-99999	676.76	-99999
49.6	106.751	8.21879	9.40204	-99999	-99999	-99999	688.288	-99999
49.7	106.773	8.23727	9.51664	-99999	-99999	-99999	678.804	-99999
49.8	109.397	8.30685	9.63867	-99999	-99999	-99999	676.923	-99999
49.9	107.584	8.41411	9.8239	-99999	-99999	-99999	668.811	-99999
50	106.554	8.5532	10.0561	-99999	-99999	-99999	673.424	-99999
50.1	106.907	8.70653	10.3169	-99999	-99999	-99999	661.889	-99999
50.2	110.869	8.86086	10.5803	-99999	-99999	-99999	653.392	-99999
50.3	111.421	8.97982	10.8762	-99999	-99999	-99999	648.361	-99999
50.4	109.247	9.05875	11.1354	-99999	-99999	-99999	643.455	-99999
50.5	112.304	9.09832	11.3493	-99999	-99999	-99999	647.722	-99999
50.6	109.788	9.08796	11.5054	-99999	-99999	-99999	663.774	-99999
50.7	104.461	9.01663	11.5461	-99999	-99999	-99999	671.007	-99999
50.8	106.977	8.91021	11.4527	-99999	-99999	-99999	680.893	-99999
50.9	104.144	8.75838	11.2699	-99999	-99999	-99999	688.659	-99999
51	101.158	8.58543	11.0278	-99999	-99999	-99999	700.525	-99999
51.1	98.8468	8.40871	10.7637	-99999	-99999	-99999	729.119	-99999
51.2	95.5562	8.2716	10.4771	-99999	-99999	-99999	748.981	-99999
51.3	90.21	8.1986	10.2369	-99999	-99999	-99999	755.982	-99999
51.4	87.8899	8.1962	10.0689	-99999	-99999	-99999	751.836	-99999
51.5	87.3801	8.27357	10.0067	-99999	-99999	-99999	742.933	-99999
51.6	88.5445	8.40039	10.0716	-99999	-99999	-99999	734.384	-99999
51.7	89.8755	8.56185	10.2387	-99999	-99999	-99999	719.407	-99999
51.8	97.4559	8.72036	10.4523	-99999	-99999	-99999	713.356	-99999
51.9	96.3688	8.85929	10.6686	-99999	-99999	-99999	705.99	-99999
52	101.254	9.02017	10.8647	-99999	-99999	-99999	701.517	-99999
52.1	106.216	9.16413	11.0351	-99999	-99999	-99999	686.101	-99999
52.2	110.943	9.2727	11.1795	-99999	-99999	-99999	683.639	-99999
52.3	105.737	9.33992	11.2682	-99999	-99999	-99999	693.114	-99999
52.4	107.486	9.33978	11.2951	-99999	-99999	-99999	683.336	-99999
52.5	110.849	9.28381	11.2748	-99999	-99999	-99999	675.32	-99999
52.6	106.636	9.20349	11.2268	-99999	-99999	-99999	694.343	-99999
52.7	100.621	9.1177	11.1837	-99999	-99999	-99999	718.568	-99999

52.8	101.616	9.0478	11.1637	-99999	-99999	-99999	725.744	-99999
52.9	93.4508	8.97596	11.1417	-99999	-99999	-99999	726.338	-99999
53	87.3563	8.91692	11.1235	-99999	-99999	-99999	738.478	-99999
53.1	88.4307	8.86055	11.0743	-99999	-99999	-99999	734.795	-99999
53.2	94.4278	8.80887	11.0388	-99999	-99999	-99999	735.771	-99999
53.3	91.7813	8.7575	10.992	-99999	-99999	-99999	768.24	-99999
53.4	88.5925	8.69735	10.9406	-99999	-99999	-99999	778.558	-99999
53.5	88.0356	8.62755	10.8657	-99999	-99999	-99999	762.222	-99999
53.6	89.1895	8.5676	10.7747	-99999	-99999	-99999	767.178	-99999
53.7	91.0693	8.51542	10.6842	-99999	-99999	-99999	786.065	-99999
53.8	92.62	8.47672	10.6249	-99999	-99999	-99999	809.77	-99999
53.9	96.8556	8.43689	10.5577	-99999	-99999	-99999	824.702	-99999
54	96.545	8.39306	10.5133	-99999	-99999	-99999	849.508	-99999
54.1	92.9931	8.35458	10.4629	-99999	-99999	-99999	854.496	-99999
54.2	93.2409	8.32613	10.4317	-99999	-99999	-99999	834.406	-99999
54.3	93.7842	8.3177	10.4148	-99999	-99999	-99999	840.292	-99999
54.4	94.3047	8.337	10.4202	-99999	-99999	-99999	867.621	-99999
54.5	92.6567	8.38389	10.4791	-99999	-99999	-99999	881.35	-99999
54.6	87.9919	8.44259	10.5513	-99999	-99999	-99999	886.892	-99999
54.7	88.9984	8.49859	10.6241	-99999	-99999	-99999	886.835	-99999
54.8	89.9413	8.55227	10.7201	-99999	-99999	-99999	884.921	-99999
54.9	91.1094	8.59968	10.8197	-99999	-99999	-99999	877.083	-99999
55	93.0762	8.64169	10.8832	-99999	-99999	-99999	887.434	-99999
55.1	93.1857	8.68013	10.9861	-99999	-99999	-99999	893.017	-99999
55.2	93.7961	8.70982	11.0606	-99999	-99999	-99999	894.386	-99999
55.3	97.3103	8.72304	11.1309	-99999	-99999	-99999	886.674	-99999
55.4	99.5188	8.70943	11.1465	-99999	-99999	-99999	872.024	-99999
55.5	101.126	8.66728	11.1427	-99999	-99999	-99999	858.583	-99999
55.6	101.737	8.61057	11.0929	-99999	-99999	-99999	857.926	-99999
55.7	98.7841	8.55862	11.0337	-99999	-99999	-99999	860.851	-99999
55.8	95.2021	8.52419	10.9746	-99999	-99999	-99999	879.518	-99999
55.9	91.5728	8.50438	10.9364	-99999	-99999	-99999	887.877	-99999
56	88.9128	8.49544	10.8603	-99999	-99999	-99999	899.625	-99999
56.1	85.4174	8.48679	10.8178	-99999	-99999	-99999	924.686	-99999
56.2	81.2429	8.47313	10.7456	-99999	-99999	-99999	925.022	-99999
56.3	78.1129	8.48047	10.7095	-99999	-99999	-99999	919.841	-99999
56.4	77.9212	8.50383	10.6902	-99999	-99999	-99999	914.295	-99999
56.5	75.2405	8.52245	10.6919	-99999	-99999	-99999	913.646	-99999
56.6	77.1763	8.53382	10.7017	-99999	-99999	-99999	915.984	-99999
56.7	77.7712	8.52763	10.6664	-99999	-99999	-99999	906.807	-99999
56.8	82.5405	8.5049	10.6251	-99999	-99999	-99999	881.495	-99999
56.9	87.6514	8.47118	10.5663	-99999	-99999	-99999	885.6	-99999
57	90.6329	8.43983	10.485	-99999	-99999	-99999	866.627	-99999
57.1	88.1029	8.41389	10.419	-99999	-99999	-99999	873.564	-99999
57.2	89.5878	8.38394	10.3407	-99999	-99999	-99999	872.84	-99999
57.3	90.0084	8.34458	10.2351	-99999	-99999	-99999	864.332	-99999
57.4	91.196	8.31199	10.1248	-99999	-99999	-99999	854.832	-99999

57.5	89.1523	8.28602	10.0173	-99999	-99999	-99999	845.799	-99999
57.6	86.7879	8.25262	9.95903	-99999	-99999	-99999	839.641	-99999
57.7	82.5721	8.21083	9.90801	-99999	-99999	-99999	850.734	-99999
57.8	83.741	8.18181	9.85073	-99999	-99999	-99999	842.864	-99999
57.9	81.1169	8.17134	9.80885	-99999	-99999	-99999	831.261	-99999
58	86.0685	8.15313	9.75315	-99999	-99999	-99999	808.251	-99999
58.1	85.2046	8.12981	9.68611	-99999	-99999	-99999	818.436	-99999
58.2	87.2336	8.10662	9.63639	-99999	-99999	-99999	836.412	-99999
58.3	89.5568	8.08778	9.61634	-99999	-99999	-99999	835.828	-99999
58.4	89.8876	8.07372	9.60067	-99999	-99999	-99999	842.875	-99999
58.5	102.232	8.06581	9.57626	-99999	-99999	-99999	842.222	-99999
58.6	100.71	8.08922	9.55858	-99999	-99999	-99999	847.097	-99999
58.7	97.1135	8.11804	9.5773	-99999	-99999	-99999	871.465	-99999
58.8	94.6384	8.15379	9.60492	-99999	-99999	-99999	882.767	-99999
58.9	97.3328	8.19648	9.67105	-99999	-99999	-99999	886.621	-99999
59	101.714	8.23115	9.75858	-99999	-99999	-99999	861.139	-99999
59.1	96.5765	8.2733	9.84633	-99999	-99999	-99999	839.708	-99999
59.2	96.2914	8.30637	9.94011	-99999	-99999	-99999	833.571	-99999
59.3	96.6557	8.33018	10.031	-99999	-99999	-99999	820.411	-99999
59.4	89.3723	8.34767	10.1147	-99999	-99999	-99999	813.912	-99999
59.5	91.6958	8.35459	10.1857	-99999	-99999	-99999	796.088	-99999
59.6	91.122	8.35063	10.2427	-99999	-99999	-99999	776.077	-99999
59.7	96.5158	8.35153	10.2852	-99999	-99999	-99999	772.492	-99999
59.8	90.7012	8.35751	10.2933	-99999	-99999	-99999	762.199	-99999
59.9	85.8159	8.36732	10.2898	-99999	-99999	-99999	778.048	-99999
60	85.8288	8.37992	10.2805	-99999	-99999	-99999	773.628	-99999
60.1	85.9703	8.40331	10.2644	-99999	-99999	-99999	758.689	-99999
60.2	85.5453	8.44	10.2577	-99999	-99999	-99999	765.793	-99999
60.3	88.1484	8.49183	10.2549	-99999	-99999	-99999	767.641	-99999
60.4	91.4782	8.54867	10.2534	-99999	-99999	-99999	764.848	-99999
60.5	91.5709	8.61426	10.2693	-99999	-99999	-99999	749.291	-99999
60.6	89.0476	8.67473	10.3098	-99999	-99999	-99999	740.702	-99999
60.7	90.7241	8.73095	10.3569	-99999	-99999	-99999	733.169	-99999
60.8	90.762	8.77716	10.3936	-99999	-99999	-99999	727.948	-99999
60.9	93.1571	8.80591	10.4629	-99999	-99999	-99999	740.652	-99999
61	92.7238	8.81198	10.5244	-99999	-99999	-99999	760.15	-99999
61.1	92.4204	8.8159	10.5793	-99999	-99999	-99999	772.644	-99999
61.2	88.9963	8.79592	10.6067	-99999	-99999	-99999	793.919	-99999
61.3	86.5824	8.73131	10.6108	-99999	-99999	-99999	804.055	-99999
61.4	88.3793	8.6279	10.5661	-99999	-99999	-99999	804.421	-99999
61.5	87.2916	8.49687	10.4491	-99999	-99999	-99999	837.509	-99999
61.6	88.1202	8.34912	10.2871	-99999	-99999	-99999	858.209	-99999
61.7	90.1459	8.18023	10.0918	-99999	-99999	-99999	841.248	-99999
61.8	90.4572	8.00552	9.86891	-99999	-99999	-99999	829.071	-99999
61.9	93.228	7.83309	9.6431	-99999	-99999	-99999	814.944	-99999
62	95.1671	7.65614	9.42064	-99999	-99999	-99999	779.645	-99999
62.1	95.8453	7.5018	9.21849	-99999	-99999	-99999	748.48	-99999

62.2	95.4736	7.38104	9.07273	-99999	-99999	-99999	752.944	-99999
62.3	94.2666	7.30658	8.9529	-99999	-99999	-99999	748.71	-99999
62.4	94.2025	7.28683	8.90379	-99999	-99999	-99999	715.871	-99999
62.5	98.0748	7.31546	8.86581	-99999	-99999	-99999	727.349	-99999
62.6	98.9574	7.38116	8.9178	-99999	-99999	-99999	775.008	-99999
62.7	97.2099	7.47135	9.04638	-99999	-99999	-99999	782.95	-99999
62.8	95.4539	7.58026	9.20245	-99999	-99999	-99999	812.398	-99999
62.9	93.1824	7.7084	9.4021	-99999	-99999	-99999	833.787	-99999
63	93.819	7.8682	9.60546	-99999	-99999	-99999	833.545	-99999
63.1	92.0791	8.06427	9.82724	-99999	-99999	-99999	842.566	-99999
63.2	91.6119	8.29999	10.1115	-99999	-99999	-99999	839.911	-99999
63.3	94.7045	8.59124	10.4985	-99999	-99999	-99999	837.954	-99999
63.4	90.8082	8.89085	10.8682	-99999	-99999	-99999	815.401	-99999
63.5	90.3016	9.20416	11.1315	-99999	-99999	-99999	793.435	-99999
63.6	89.8209	9.56153	11.3587	-99999	-99999	-99999	807.234	-99999
63.7	87.82	9.96542	11.5268	-99999	-99999	-99999	770.763	-99999
63.8	89.3418	10.4326	11.6837	-99999	-99999	-99999	768.972	-99999
63.9	92.6782	10.9273	11.8282	-99999	-99999	-99999	787.693	-99999
64	97.3591	11.4208	11.8803	-99999	-99999	-99999	777.492	-99999
64.1	96.9263	11.8734	11.8887	-99999	-99999	-99999	785.372	-99999
64.2	93.2259	12.2276	11.8322	-99999	-99999	-99999	780.955	-99999
64.3	93.6304	12.5313	11.8445	-99999	-99999	-99999	754.036	-99999
64.4	92.9439	12.7927	11.8934	-99999	-99999	-99999	737.397	-99999
64.5	93.1638	12.9593	11.9463	-99999	-99999	-99999	717.668	-99999
64.6	96.7095	13.0417	12.0236	-99999	-99999	-99999	719.814	-99999
64.7	94.9201	13.0034	12.1169	-99999	-99999	-99999	701.539	-99999
64.8	91.0312	12.9074	12.2338	-99999	-99999	-99999	673.313	-99999
64.9	84.6414	12.7444	12.3532	-99999	-99999	-99999	661.445	-99999
65	87.3368	12.4831	12.4674	-99999	-99999	-99999	650.181	-99999
65.1	86.2745	12.1882	12.5449	-99999	-99999	-99999	668.708	-99999
65.2	86.1824	11.8426	12.6063	-99999	-99999	-99999	695.032	-99999
65.3	88.2675	11.4382	12.6154	-99999	-99999	-99999	696.106	-99999
65.4	86.2882	11.0084	12.5831	-99999	-99999	-99999	698.766	-99999
65.5	81.625	10.5344	12.4993	-99999	-99999	-99999	677.663	-99999
65.6	84.7813	10.0573	12.3802	-99999	-99999	-99999	668.267	-99999
65.7	83.8314	9.56631	12.2767	-99999	-99999	-99999	665.491	-99999
65.8	88.8711	9.11907	12.1902	-99999	-99999	-99999	662.611	-99999
65.9	89.5126	8.76748	12.0947	-99999	-99999	-99999	670.219	-99999
66	92.9316	8.49942	12.004	-99999	-99999	-99999	656.765	-99999
66.1	88.9477	8.34134	11.942	-99999	-99999	-99999	638.486	-99999
66.2	87.3947	8.25484	11.9336	-99999	-99999	-99999	627.842	-99999
66.3	88.9054	8.21911	11.9688	-99999	-99999	-99999	639.674	-99999
66.4	90.2026	8.22713	12.0463	-99999	-99999	-99999	660.378	-99999
66.5	89.9679	8.25663	12.1309	-99999	-99999	-99999	651.346	-99999
66.6	89.8733	8.31167	12.2203	-99999	-99999	-99999	646.95	-99999
66.7	90.403	8.36601	12.3003	-99999	-99999	-99999	649.504	-99999
66.8	88.6461	8.4217	12.3756	-99999	-99999	-99999	636.547	-99999

66.9	86.1434	8.5163	12.442	-99999	-99999	-99999	635.937	-99999
67	90.1841	8.67837	12.455	-99999	-99999	-99999	652.538	-99999
67.1	91.1871	8.91549	12.4197	-99999	-99999	-99999	661.012	-99999
67.2	93.8614	9.23419	12.3775	-99999	-99999	-99999	648.476	-99999
67.3	94.3752	9.63852	12.365	-99999	-99999	-99999	649.463	-99999
67.4	95.0675	10.0995	12.3364	-99999	-99999	-99999	678.95	-99999
67.5	95.8051	10.6027	12.2656	-99999	-99999	-99999	691.928	-99999
67.6	96.463	11.1715	12.1714	-99999	-99999	-99999	701.019	-99999
67.7	99.764	11.7577	12.0399	-99999	-99999	-99999	708.163	-99999
67.8	100.659	12.3015	11.8854	-99999	-99999	-99999	696.885	-99999
67.9	101.121	12.7824	11.7973	-99999	-99999	-99999	690.549	-99999
68	103.015	13.1442	11.7352	-99999	-99999	-99999	694.665	-99999
68.1	101.858	13.3347	11.6571	-99999	-99999	-99999	700.196	-99999
68.2	103.504	13.3541	11.5636	-99999	-99999	-99999	689.631	-99999
68.3	100.518	13.2497	11.4526	-99999	-99999	-99999	671.616	-99999
68.4	99.8156	13.0496	11.3686	-99999	-99999	-99999	650.733	-99999
68.5	98.8748	12.738	11.2963	-99999	-99999	-99999	627.392	-99999
68.6	96.4316	12.3364	11.265	-99999	-99999	-99999	623.321	-99999
68.7	93.8122	11.8602	11.2325	-99999	-99999	-99999	626.85	-99999
68.8	89.3948	11.3371	11.1435	-99999	-99999	-99999	624.339	-99999
68.9	83.7035	10.8254	11.0123	-99999	-99999	-99999	605.167	-99999
69	80.2745	10.3549	10.8141	-99999	-99999	-99999	594.601	-99999
69.1	77.5877	9.93695	10.5309	-99999	-99999	-99999	601.367	-99999
69.2	77.4353	9.5637	10.2549	-99999	-99999	-99999	618.597	-99999
69.3	78.1451	9.21702	9.95437	-99999	-99999	-99999	627.638	-99999
69.4	76.5627	8.89495	9.66521	-99999	-99999	-99999	631.108	-99999
69.5	76.9853	8.60698	9.37263	-99999	-99999	-99999	619.024	-99999
69.6	78.1524	8.3563	9.13328	-99999	-99999	-99999	613.06	-99999
69.7	80.8485	8.14565	8.91904	-99999	-99999	-99999	605.478	-99999
69.8	87.4752	7.99977	8.75746	-99999	-99999	-99999	631.268	-99999
69.9	89.8695	7.93365	8.66665	-99999	-99999	-99999	650.999	-99999
70	91.8694	7.93429	8.65769	-99999	-99999	-99999	630.648	-99999
70.1	92.8045	7.96686	8.68322	-99999	-99999	-99999	612.099	-99999
70.2	92.5178	8.00091	8.70016	-99999	-99999	-99999	621.246	-99999
70.3	92.2457	8.02545	8.7628	-99999	-99999	-99999	610.857	-99999
70.4	89.9835	8.03412	8.80837	-99999	-99999	-99999	622.523	-99999
70.5	90.4944	8.02831	8.83035	-99999	-99999	-99999	615.735	-99999
70.6	89.2469	8.0126	8.8559	-99999	-99999	-99999	614.62	-99999
70.7	82.8284	7.99122	8.86723	-99999	-99999	-99999	592.643	-99999
70.8	85.3125	7.9578	8.86326	-99999	-99999	-99999	577.625	-99999
70.9	89.0046	7.91707	8.85749	-99999	-99999	-99999	604.22	-99999
71	90.3614	7.87087	8.8484	-99999	-99999	-99999	603.663	-99999
71.1	89.9929	7.84779	8.8612	-99999	-99999	-99999	596.333	-99999
71.2	91.4113	7.84936	8.87326	-99999	-99999	-99999	614.743	-99999
71.3	94.2595	7.87766	8.9071	-99999	-99999	-99999	619.96	-99999
71.4	94.2356	7.9462	8.97357	-99999	-99999	-99999	630.172	-99999
71.5	95.7297	8.04295	9.04571	-99999	-99999	-99999	643.717	-99999

71.6	97.4214	8.1583	9.12805	-99999	-99999	-99999	632.522	-99999
71.7	93.662	8.28091	9.23242	-99999	-99999	-99999	645.609	-99999
71.8	89.5264	8.4053	9.3454	-99999	-99999	-99999	641.559	-99999
71.9	89.9242	8.52603	9.464	-99999	-99999	-99999	657.085	-99999
72	90.5342	8.62691	9.57888	-99999	-99999	-99999	661.682	-99999
72.1	87.0818	8.72813	9.6906	-99999	-99999	-99999	667.612	-99999
72.2	85.7833	8.83019	9.82771	-99999	-99999	-99999	679.638	-99999
72.3	85.2352	8.90946	9.97409	-99999	-99999	-99999	685.706	-99999
72.4	85.4689	8.95237	10.1393	-99999	-99999	-99999	689.89	-99999
72.5	82.8372	8.96376	10.3261	-99999	-99999	-99999	700.182	-99999
72.6	82.0051	8.94636	10.5117	-99999	-99999	-99999	692.177	-99999
72.7	78.3015	8.89162	10.7049	-99999	-99999	-99999	684.27	-99999
72.8	76.9133	8.81082	10.8835	-99999	-99999	-99999	678.599	-99999
72.9	73.7882	8.70129	11.057	-99999	-99999	-99999	707.635	-99999
73	73.3679	8.54934	11.2138	-99999	-99999	-99999	704.769	-99999
73.1	72.5231	8.34905	11.3162	-99999	-99999	-99999	701.192	-99999
73.2	73.687	8.12234	11.3754	-99999	-99999	-99999	703.278	-99999
73.3	73.9738	7.90432	11.3905	-99999	-99999	-99999	698.024	-99999
73.4	76.8154	7.71269	11.3665	-99999	-99999	-99999	702.556	-99999
73.5	74.5321	7.5663	11.3256	-99999	-99999	-99999	717.399	-99999
73.6	76.1737	7.48534	11.3202	-99999	-99999	-99999	747.506	-99999
73.7	74.4061	7.46339	11.3721	-99999	-99999	-99999	761.897	-99999
73.8	77.3159	7.4937	11.4796	-99999	-99999	-99999	751.184	-99999
73.9	82.9436	7.5857	11.678	-99999	-99999	-99999	760.246	-99999
74	83.9285	7.77118	11.9483	-99999	-99999	-99999	766.839	-99999
74.1	83.7982	8.04083	12.2946	-99999	-99999	-99999	767.559	-99999
74.2	80.0414	8.39668	12.6754	-99999	-99999	-99999	767.066	-99999
74.3	81.5509	8.82004	13.1018	-99999	-99999	-99999	765.971	-99999
74.4	84.1403	9.28602	13.5356	-99999	-99999	-99999	768.161	-99999
74.5	85.9382	9.82615	13.9112	-99999	-99999	-99999	755.518	-99999
74.6	86.8932	10.4588	14.2814	-99999	-99999	-99999	741.142	-99999
74.7	85.2875	11.207	14.5939	-99999	-99999	-99999	733.892	-99999
74.8	83.9645	12.0482	14.9164	-99999	-99999	-99999	727.708	-99999
74.9	83.2246	12.8929	15.2291	-99999	-99999	-99999	737.55	-99999
75	82.7442	13.6384	15.5118	-99999	-99999	-99999	748.334	-99999
75.1	83.4045	14.2314	15.7494	-99999	-99999	-99999	760.667	-99999
75.2	85.3761	14.7074	16.0244	-99999	-99999	-99999	767.731	-99999
75.3	85.5972	15.0533	16.2548	-99999	-99999	-99999	749.497	-99999
75.4	87.907	15.202	16.5203	-99999	-99999	-99999	740.582	-99999
75.5	91.2812	15.1233	16.8014	-99999	-99999	-99999	749.918	-99999
75.6	93.3104	14.7856	17.0876	-99999	-99999	-99999	755.513	-99999
75.7	94.9874	14.1761	17.2088	-99999	-99999	-99999	737.7	-99999
75.8	92.3734	13.3819	17.3425	-99999	-99999	-99999	721.991	-99999
75.9	91.877	12.5451	17.3962	-99999	-99999	-99999	722.826	-99999
76	90.5742	11.7324	17.4349	-99999	-99999	-99999	709.155	-99999
76.1	86.2365	10.9644	17.3704	-99999	-99999	-99999	692.504	-99999
76.2	86.1895	10.2738	17.3132	-99999	-99999	-99999	710.135	-99999

76.3	85.9922	9.68825	17.2658	-99999	-99999	-99999	720.994	-99999
76.4	86.2635	9.24161	17.1719	-99999	-99999	-99999	711.323	-99999
76.5	86.4559	9.017	17.1258	-99999	-99999	-99999	707.109	-99999
76.6	87.9275	9.1855	17.1955	-99999	-99999	-99999	714.052	-99999
76.7	89.7928	9.93644	17.2194	-99999	-99999	-99999	699.701	-99999
76.8	89.4738	11.3582	17.2392	-99999	-99999	-99999	701.715	-99999
76.9	90.5743	13.1607	17.0261	-99999	-99999	-99999	701.466	-99999
77	90.5328	14.5657	16.478	-99999	-99999	-99999	724.849	-99999
77.1	89.7539	15.4134	15.7566	-99999	-99999	-99999	711.513	-99999
77.2	89.7163	15.9751	14.8535	-99999	-99999	-99999	707.83	-99999
77.3	88.0654	16.3293	13.8391	-99999	-99999	-99999	690.663	-99999
77.4	87.0198	16.436	12.6501	-99999	-99999	-99999	676.65	-99999
77.5	85.6673	16.1985	11.3398	-99999	-99999	-99999	683.614	-99999
77.6	88.6777	15.5014	10.0471	-99999	-99999	-99999	654.381	-99999
77.7	90.7405	14.3552	8.94875	-99999	-99999	-99999	647.739	-99999
77.8	90.642	13.1987	8.31625	-99999	-99999	-99999	645.817	-99999
77.9	96.8054	12.8982	8.18657	-99999	-99999	-99999	624.767	-99999
78	97.8162	13.6379	8.4646	-99999	-99999	-99999	611.773	-99999
78.1	94.5154	15.0384	9.1355	-99999	-99999	-99999	597.664	-99999
78.2	93.6113	16.2733	10.1874	-99999	-99999	-99999	597.453	-99999
78.3	91.362	17.0866	11.4453	-99999	-99999	-99999	590.926	-99999
78.4	90.231	17.578	12.7676	-99999	-99999	-99999	581.377	-99999
78.5	89.4095	17.7674	13.8967	-99999	-99999	-99999	596.954	-99999
78.6	87.6196	17.6239	14.8084	-99999	-99999	-99999	590.331	-99999
78.7	87.6342	17.0765	15.4376	-99999	-99999	-99999	587.724	-99999
78.8	84.41	16.1049	15.8674	-99999	-99999	-99999	578.78	-99999
78.9	82.2717	14.5642	16.0936	-99999	-99999	-99999	595.923	-99999
79	85.3097	12.6101	16.1078	-99999	-99999	-99999	598.909	-99999
79.1	85.1713	11.1327	15.9807	-99999	-99999	-99999	597.292	-99999
79.2	85.7264	10.2485	15.8615	-99999	-99999	-99999	609.855	-99999
79.3	83.8099	9.76619	15.894	-99999	-99999	-99999	618.719	-99999
79.4	87.1514	9.54016	16.1359	-99999	-99999	-99999	630.28	-99999
79.5	92.0251	9.45127	16.5219	-99999	-99999	-99999	635.661	-99999
79.6	87.4296	9.46004	17.0129	-99999	-99999	-99999	645.428	-99999
79.7	88.3404	9.54753	17.5188	-99999	-99999	-99999	666.213	-99999
79.8	86.9448	9.66538	17.9986	-99999	-99999	-99999	661.829	-99999
79.9	86.3157	9.81437	18.3671	-99999	-99999	-99999	681.256	-99999
80	88.2261	9.9599	18.6064	-99999	-99999	-99999	700.448	-99999
80.1	91.8962	10.1539	18.7388	-99999	-99999	-99999	711.566	-99999
80.2	90.8738	10.3739	18.7788	-99999	-99999	-99999	719.367	-99999
80.3	85.8719	10.6264	18.8256	-99999	-99999	-99999	724.211	-99999
80.4	84.8177	10.9198	18.8797	-99999	-99999	-99999	735.107	-99999
80.5	92.1445	11.3287	18.9217	-99999	-99999	-99999	751.043	-99999
80.6	92.2584	11.8784	18.9317	-99999	-99999	-99999	761.553	-99999
80.7	91.95	12.5449	18.9232	-99999	-99999	-99999	753.09	-99999
80.8	91.4461	13.2587	18.8766	-99999	-99999	-99999	748.5	-99999
80.9	91.5655	13.9419	18.7743	-99999	-99999	-99999	763.168	-99999

81	85.5854	14.5442	18.6612	-99999	-99999	-99999	778.06	-99999
81.1	89.7901	15.0643	18.5322	-99999	-99999	-99999	795.392	-99999
81.2	88.9691	15.4164	18.3691	-99999	-99999	-99999	803.217	-99999
81.3	88.9975	15.6358	18.1974	-99999	-99999	-99999	804.768	-99999
81.4	87.1447	15.673	17.9988	-99999	-99999	-99999	794.428	-99999
81.5	86.3887	15.5094	17.7903	-99999	-99999	-99999	787.235	-99999
81.6	88.2419	15.13	17.5842	-99999	-99999	-99999	798.197	-99999
81.7	86.2946	14.6111	17.3751	-99999	-99999	-99999	802.426	-99999
81.8	85.9064	14.085	17.2002	-99999	-99999	-99999	797.547	-99999
81.9	86.854	13.5796	16.9729	-99999	-99999	-99999	781.058	-99999
82	86.1719	13.1373	16.6757	-99999	-99999	-99999	756.906	-99999
82.1	87.643	12.8194	16.3011	-99999	-99999	-99999	730.801	-99999
82.2	86.35	12.5745	15.8829	-99999	-99999	-99999	691.346	-99999
82.3	84.3083	12.3653	15.4706	-99999	-99999	-99999	679.024	-99999
82.4	83.3524	12.1912	15.0649	-99999	-99999	-99999	675.711	-99999
82.5	82.8592	12.0992	14.6343	-99999	-99999	-99999	667.504	-99999
82.6	83.0473	12.0493	14.312	-99999	-99999	-99999	653.398	-99999
82.7	84.2362	11.9525	13.9539	-99999	-99999	-99999	646.132	-99999
82.8	87.7575	11.775	13.6061	-99999	-99999	-99999	648.613	-99999
82.9	88.9666	11.5273	13.2404	-99999	-99999	-99999	659.001	-99999
83	88.3126	11.2346	12.8416	-99999	-99999	-99999	663.307	-99999
83.1	85.67	10.8986	12.4078	-99999	-99999	-99999	686.921	-99999
83.2	82.5329	10.5288	11.9816	-99999	-99999	-99999	694.52	-99999
83.3	80.7813	10.1318	11.5324	-99999	-99999	-99999	695.732	-99999
83.4	80.049	9.71525	11.0814	-99999	-99999	-99999	691.966	-99999
83.5	79.6134	9.30942	10.579	-99999	-99999	-99999	686.006	-99999
83.6	77.9845	8.9736	10.1329	-99999	-99999	-99999	652.9	-99999
83.7	77.4599	8.72659	9.7327	-99999	-99999	-99999	630.234	-99999
83.8	80.3278	8.5477	9.4255	-99999	-99999	-99999	623.001	-99999
83.9	81.7751	8.40652	9.18108	-99999	-99999	-99999	640.607	-99999
84	85.693	8.30041	9.00969	-99999	-99999	-99999	643.437	-99999
84.1	94.1013	8.24039	8.88149	-99999	-99999	-99999	616.712	-99999
84.2	98.4841	8.2242	8.81549	-99999	-99999	-99999	638.843	-99999
84.3	101.578	8.24786	8.79191	-99999	-99999	-99999	635.277	-99999
84.4	103.035	8.29711	8.79664	-99999	-99999	-99999	638.386	-99999
84.5	103.117	8.34878	8.82646	-99999	-99999	-99999	657.76	-99999
84.6	103.269	8.36902	8.87321	-99999	-99999	-99999	673.503	-99999
84.7	103.328	8.37212	8.9235	-99999	-99999	-99999	649.066	-99999
84.8	104.026	8.38036	9.01489	-99999	-99999	-99999	620.97	-99999
84.9	101.992	8.41475	9.13561	-99999	-99999	-99999	613.823	-99999
85	95.1776	8.46794	9.29438	-99999	-99999	-99999	595.691	-99999
85.1	96.429	8.54314	9.49838	-99999	-99999	-99999	578.652	-99999
85.2	93.7198	8.64293	9.74982	-99999	-99999	-99999	597.346	-99999
85.3	93.7677	8.77404	10.0553	-99999	-99999	-99999	595.252	-99999
85.4	93.8684	8.89663	10.3803	-99999	-99999	-99999	608.689	-99999
85.5	93.0627	9.04455	10.7233	-99999	-99999	-99999	596.438	-99999
85.6	87.9975	9.24219	11.0958	-99999	-99999	-99999	610.366	-99999

85.7	87.0244	9.49835	11.4669	-99999	-99999	-99999	652.973	-99999
85.8	86.5022	9.79454	11.8424	-99999	-99999	-99999	666.133	-99999
85.9	87.837	10.1354	12.2371	-99999	-99999	-99999	671.97	-99999
86	83.5531	10.4941	12.6363	-99999	-99999	-99999	664.658	-99999
86.1	87.5332	10.8873	13.0371	-99999	-99999	-99999	659.275	-99999
86.2	82.9269	11.2973	13.4267	-99999	-99999	-99999	666.182	-99999
86.3	83.5333	11.7598	13.8374	-99999	-99999	-99999	676.378	-99999
86.4	81.1265	12.2335	14.2469	-99999	-99999	-99999	718.087	-99999
86.5	84.8465	12.6705	14.6496	-99999	-99999	-99999	733.413	-99999
86.6	88.3123	13.0513	15.0089	-99999	-99999	-99999	720.135	-99999
86.7	90.0868	13.3402	15.3359	-99999	-99999	-99999	727.401	-99999
86.8	93.0609	13.5116	15.6007	-99999	-99999	-99999	767.073	-99999
86.9	90.4156	13.5591	15.8362	-99999	-99999	-99999	793.86	-99999
87	88.1905	13.504	16.0347	-99999	-99999	-99999	811.911	-99999
87.1	90.9424	13.3386	16.1456	-99999	-99999	-99999	820.561	-99999
87.2	89.7703	13.103	16.1646	-99999	-99999	-99999	814.181	-99999
87.3	85.8962	12.8077	16.136	-99999	-99999	-99999	792.965	-99999
87.4	82.3802	12.4681	16.081	-99999	-99999	-99999	777.838	-99999
87.5	81.452	12.122	16.0198	-99999	-99999	-99999	776.478	-99999
87.6	81.1011	11.8086	15.9381	-99999	-99999	-99999	771.83	-99999
87.7	78.4015	11.5443	15.8352	-99999	-99999	-99999	754.184	-99999
87.8	80.6151	11.342	15.6976	-99999	-99999	-99999	744.283	-99999
87.9	84.9275	11.1517	15.5837	-99999	-99999	-99999	731.873	-99999
88	87.1968	10.9693	15.5113	-99999	-99999	-99999	719.405	-99999
88.1	92.4558	10.7814	15.4661	-99999	-99999	-99999	724.115	-99999
88.2	96.8765	10.6021	15.3454	-99999	-99999	-99999	742.473	-99999
88.3	99.9817	10.4382	15.154	-99999	-99999	-99999	765.29	-99999
88.4	98.9866	10.2595	14.9302	-99999	-99999	-99999	775.305	-99999
88.5	98.688	10.0632	14.692	-99999	-99999	-99999	772.83	-99999
88.6	100.343	9.87118	14.4207	-99999	-99999	-99999	771.35	-99999
88.7	102.019	9.69526	14.1227	-99999	-99999	-99999	772.461	-99999
88.8	98.2533	9.53589	13.7611	-99999	-99999	-99999	789.26	-99999
88.9	97.0791	9.39908	13.4327	-99999	-99999	-99999	794.091	-99999
89	93.1582	9.29346	13.1655	-99999	-99999	-99999	779.815	-99999
89.1	89.357	9.22164	13.0277	-99999	-99999	-99999	778.718	-99999
89.2	87.26	9.17953	12.9797	-99999	-99999	-99999	770.988	-99999
89.3	89.7222	9.18202	12.8948	-99999	-99999	-99999	780.989	-99999
89.4	89.2972	9.21449	12.8631	-99999	-99999	-99999	810.789	-99999
89.5	85.0471	9.25385	12.8561	-99999	-99999	-99999	823.061	-99999
89.6	82.8886	9.29365	12.8957	-99999	-99999	-99999	823.195	-99999
89.7	82.5955	9.3242	12.9772	-99999	-99999	-99999	820.449	-99999
89.8	80.3312	9.33887	13.0096	-99999	-99999	-99999	837.015	-99999
89.9	78.7368	9.3512	12.9652	-99999	-99999	-99999	844.603	-99999
90	79.2235	9.37605	12.8958	-99999	-99999	-99999	842.718	-99999
90.1	80.3884	9.40516	12.8468	-99999	-99999	-99999	840.202	-99999
90.2	80.1025	9.41422	12.8383	-99999	-99999	-99999	832.625	-99999
90.3	82.9757	9.40601	12.7958	-99999	-99999	-99999	838.706	-99999

90.4	88.0708	9.36521	12.7152	-99999	-99999	-99999	845.824	-99999
90.5	89.7375	9.30725	12.598	-99999	-99999	-99999	845.177	-99999
90.6	91.2586	9.27087	12.5146	-99999	-99999	-99999	820.507	-99999
90.7	93.2699	9.26181	12.4016	-99999	-99999	-99999	788.428	-99999
90.8	96.2515	9.24561	12.3456	-99999	-99999	-99999	790.196	-99999
90.9	96.752	9.19802	12.2355	-99999	-99999	-99999	777.404	-99999
91	92.5638	9.14251	12.0851	-99999	-99999	-99999	778.954	-99999
91.1	89.5491	9.09219	11.9697	-99999	-99999	-99999	767.169	-99999
91.2	89.0393	9.04535	11.8265	-99999	-99999	-99999	730.834	-99999
91.3	85.5703	9.02111	11.7754	-99999	-99999	-99999	715.919	-99999
91.4	85.7127	9.00114	11.7077	-99999	-99999	-99999	700.816	-99999
91.5	87.5636	8.97518	11.5986	-99999	-99999	-99999	736.878	-99999
91.6	86.8853	8.95313	11.5281	-99999	-99999	-99999	748.592	-99999
91.7	91.3263	8.93206	11.4202	-99999	-99999	-99999	725.603	-99999
91.8	90.9476	8.92091	11.3325	-99999	-99999	-99999	714.338	-99999
91.9	93.8979	8.90728	11.2586	-99999	-99999	-99999	703.454	-99999
92	94.8159	8.88718	11.1743	-99999	-99999	-99999	719.58	-99999
92.1	93.5849	8.86042	11.0966	-99999	-99999	-99999	719.999	-99999
92.2	94.5912	8.84274	11.0201	-99999	-99999	-99999	711.476	-99999
92.3	89.7215	8.83132	10.9435	-99999	-99999	-99999	736.261	-99999
92.4	85.2855	8.83085	10.8787	-99999	-99999	-99999	722.585	-99999
92.5	86.9141	8.82542	10.8369	-99999	-99999	-99999	715.622	-99999
92.6	80.3337	8.82017	10.7989	-99999	-99999	-99999	722.638	-99999
92.7	81.8116	8.81868	10.7466	-99999	-99999	-99999	749.569	-99999
92.8	79.7712	8.81199	10.686	-99999	-99999	-99999	771.591	-99999
92.9	83.3256	8.81093	10.6351	-99999	-99999	-99999	760.943	-99999
93	85.165	8.82129	10.5831	-99999	-99999	-99999	769.344	-99999
93.1	84.8054	8.82068	10.5102	-99999	-99999	-99999	776.332	-99999
93.2	87.8527	8.80947	10.4417	-99999	-99999	-99999	763.52	-99999
93.3	88.6874	8.77656	10.3848	-99999	-99999	-99999	764.701	-99999
93.4	88.2429	8.74434	10.3018	-99999	-99999	-99999	770.155	-99999
93.5	90.4733	8.71702	10.2111	-99999	-99999	-99999	786.181	-99999
93.6	94.5331	8.68479	10.1393	-99999	-99999	-99999	761.018	-99999
93.7	96.969	8.64403	10.0628	-99999	-99999	-99999	740.588	-99999
93.8	90.4111	8.61661	9.9858	-99999	-99999	-99999	730.493	-99999
93.9	88.4841	8.57597	9.92261	-99999	-99999	-99999	719.329	-99999
94	89.6176	8.55077	9.85663	-99999	-99999	-99999	709.229	-99999
94.1	88.0624	8.53429	9.79127	-99999	-99999	-99999	708.045	-99999
94.2	88.0051	8.5445	9.7064	-99999	-99999	-99999	700.152	-99999
94.3	88.9921	8.54836	9.63763	-99999	-99999	-99999	690.894	-99999
94.4	89.9313	8.54392	9.5657	-99999	-99999	-99999	674.996	-99999
94.5	87.183	8.52084	9.47917	-99999	-99999	-99999	676.409	-99999
94.6	86.1212	8.48607	9.3998	-99999	-99999	-99999	673.896	-99999
94.7	84.7304	8.43499	9.30788	-99999	-99999	-99999	664.151	-99999
94.8	88.2142	8.38119	9.19577	-99999	-99999	-99999	661.393	-99999
94.9	88.5378	8.33734	9.07636	-99999	-99999	-99999	657.74	-99999
95	91.5154	8.32609	8.95619	-99999	-99999	-99999	649.847	-99999

95.1	93.2814	8.31425	8.83804	-99999	-99999	-99999	659.256	-99999
95.2	91.3821	8.30182	8.73139	-99999	-99999	-99999	666.567	-99999
95.3	89.7708	8.28952	8.66663	-99999	-99999	-99999	673.267	-99999
95.4	89.6596	8.28925	8.61396	-99999	-99999	-99999	672.906	-99999
95.5	89.2579	8.30529	8.5786	-99999	-99999	-99999	671.49	-99999
95.6	90.271	8.34073	8.55297	-99999	-99999	-99999	684.525	-99999
95.7	86.7292	8.38494	8.55274	-99999	-99999	-99999	689.489	-99999
95.8	86.5638	8.41459	8.57631	-99999	-99999	-99999	702.875	-99999
95.9	85.5853	8.40837	8.60079	-99999	-99999	-99999	707.452	-99999
96	84.3489	8.35799	8.60587	-99999	-99999	-99999	691.809	-99999
96.1	84.4182	8.28473	8.55732	-99999	-99999	-99999	684.258	-99999
96.2	82.6291	8.20869	8.4811	-99999	-99999	-99999	680.378	-99999
96.3	80.0899	8.14464	8.40119	-99999	-99999	-99999	686.872	-99999
96.4	79.8738	8.07657	8.31997	-99999	-99999	-99999	692.845	-99999
96.5	80.6256	8.00023	8.23822	-99999	-99999	-99999	679.785	-99999
96.6	79.1722	7.92777	8.16118	-99999	-99999	-99999	667.237	-99999
96.7	76.848	7.85203	8.07693	-99999	-99999	-99999	650.091	-99999
96.8	75.1798	7.79628	8.02388	-99999	-99999	-99999	653.443	-99999
96.9	75.279	7.78087	7.99416	-99999	-99999	-99999	655.266	-99999
97	74.3674	7.79726	8.01168	-99999	-99999	-99999	655.069	-99999
97.1	74.3145	7.82499	8.04535	-99999	-99999	-99999	650.419	-99999
97.2	77.0842	7.8486	8.06583	-99999	-99999	-99999	639.511	-99999
97.3	77.5229	7.87296	8.09252	-99999	-99999	-99999	634.751	-99999
97.4	75.7961	7.89669	8.12417	-99999	-99999	-99999	630.298	-99999
97.5	76.1767	7.91084	8.15955	-99999	-99999	-99999	650.501	-99999
97.6	78.6525	7.92001	8.17974	-99999	-99999	-99999	650.814	-99999
97.7	81.723	7.91468	8.17636	-99999	-99999	-99999	638.754	-99999
97.8	80.2128	7.8989	8.19634	-99999	-99999	-99999	647.697	-99999
97.9	79.8247	7.87556	8.19173	-99999	-99999	-99999	661.882	-99999
98	78.9059	7.85225	8.16189	-99999	-99999	-99999	675.019	-99999
98.1	76.6833	7.82686	8.14944	-99999	-99999	-99999	662.341	-99999
98.2	77.5975	7.80336	8.12044	-99999	-99999	-99999	660.293	-99999
98.3	79.1929	7.77154	8.06798	-99999	-99999	-99999	680.784	-99999
98.4	83.0712	7.74591	8.03006	-99999	-99999	-99999	675.879	-99999
98.5	84.8554	7.72003	8.00479	-99999	-99999	-99999	676.453	-99999
98.6	82.6977	7.7069	7.99016	-99999	-99999	-99999	675.023	-99999
98.7	82.9891	7.70428	7.95994	-99999	-99999	-99999	699.474	-99999
98.8	83.9749	7.70701	7.95994	-99999	-99999	-99999	684.141	-99999
98.9	87.4369	7.71817	7.96268	-99999	-99999	-99999	671.818	-99999
99	89.7048	7.72806	7.97479	-99999	-99999	-99999	707.456	-99999
99.1	89.8362	7.72654	7.97712	-99999	-99999	-99999	720.059	-99999
99.2	92.2493	7.73438	7.99769	-99999	-99999	-99999	724.668	-99999
99.3	88.6943	7.73264	7.99701	-99999	-99999	-99999	711.763	-99999
99.4	84.3691	7.72631	7.98981	-99999	-99999	-99999	724.356	-99999
99.5	86.1454	7.71498	7.96948	-99999	-99999	-99999	718.109	-99999
99.6	89.3346	7.69967	7.94175	-99999	-99999	-99999	692.931	-99999
99.7	88.6132	7.68786	7.90729	-99999	-99999	-99999	692.303	-99999

99.8	83.4562	7.6645	7.87158	-99999	-99999	-99999	681.114	-99999
99.9	81.6712	7.63992	7.84457	-99999	-99999	-99999	674.006	-99999
100	80.1101	7.62414	7.82166	-99999	-99999	-99999	665.482	-99999
100.1	77.8701	7.59584	7.78334	-99999	-99999	-99999	662.202	-99999
100.2	78.1449	7.57279	7.75793	-99999	-99999	-99999	673.949	-99999
100.3	82.206	7.55667	7.73009	-99999	-99999	-99999	673.853	-99999
100.4	78.7047	7.53744	7.71589	-99999	-99999	-99999	690.755	-99999
100.5	77.9182	7.51227	7.70846	-99999	-99999	-99999	696.715	-99999
100.6	76.371	7.47235	7.69638	-99999	-99999	-99999	699.595	-99999
100.7	81.904	7.42161	7.67209	-99999	-99999	-99999	705.958	-99999
100.8	82.6327	7.37226	7.62519	-99999	-99999	-99999	709.836	-99999
100.9	83.8355	7.33128	7.58013	-99999	-99999	-99999	720.908	-99999
101	86.5982	7.30447	7.53224	-99999	-99999	-99999	706.168	-99999
101.1	86.9382	7.28105	7.47902	-99999	-99999	-99999	683.478	-99999
101.2	82.1814	7.26414	7.43119	-99999	-99999	-99999	667.317	-99999
101.3	84.4126	7.24783	7.38589	-99999	-99999	-99999	653.2	-99999
101.4	84.6681	7.24264	7.3416	-99999	-99999	-99999	649.806	-99999
101.5	85.1079	7.26035	7.31167	-99999	-99999	-99999	646.149	-99999
101.6	83.9305	7.31516	7.29703	-99999	-99999	-99999	639.068	-99999
101.7	81.9278	7.39151	7.29298	-99999	-99999	-99999	618.992	-99999
101.8	84.4917	7.47492	7.30884	-99999	-99999	-99999	604.22	-99999
101.9	87.1055	7.55642	7.33341	-99999	-99999	-99999	612.141	-99999
102	87.4533	7.6344	7.35362	-99999	-99999	-99999	616.276	-99999
102.1	93.4336	7.69844	7.37096	-99999	-99999	-99999	614.658	-99999
102.2	89.3385	7.75623	7.38498	-99999	-99999	-99999	611.17	-99999
102.3	86.2722	7.80896	7.3989	-99999	-99999	-99999	609.36	-99999
102.4	87.403	7.84404	7.39922	-99999	-99999	-99999	613.488	-99999
102.5	87.346	7.85535	7.40067	-99999	-99999	-99999	614.694	-99999
102.6	87.5369	7.8391	7.39091	-99999	-99999	-99999	623.465	-99999
102.7	82.8429	7.80257	7.36759	-99999	-99999	-99999	626.12	-99999
102.8	79.3423	7.75228	7.33978	-99999	-99999	-99999	626.937	-99999
102.9	80.6475	7.69664	7.32785	-99999	-99999	-99999	629.518	-99999
103	79.3081	7.64515	7.31718	-99999	-99999	-99999	635.98	-99999
103.1	83.2078	7.59705	7.30692	-99999	-99999	-99999	644.691	-99999
103.2	83.3063	7.54839	7.29522	-99999	-99999	-99999	657.575	-99999
103.3	80.788	7.49872	7.29544	-99999	-99999	-99999	662.536	-99999
103.4	80.3777	7.44998	7.29111	-99999	-99999	-99999	671.055	-99999
103.5	82.6595	7.41215	7.30292	-99999	-99999	-99999	671.944	-99999
103.6	85.1052	7.38714	7.32445	-99999	-99999	-99999	668.953	-99999
103.7	84.9324	7.3749	7.36309	-99999	-99999	-99999	660.4	-99999
103.8	82.3685	7.36984	7.39663	-99999	-99999	-99999	672.472	-99999
103.9	83.7814	7.36983	7.45678	-99999	-99999	-99999	683.546	-99999
104	87.1848	7.37829	7.51212	-99999	-99999	-99999	677.585	-99999
104.1	91.2923	7.39863	7.57211	-99999	-99999	-99999	664.836	-99999
104.2	95.0482	7.43112	7.64472	-99999	-99999	-99999	682.485	-99999
104.3	93.3459	7.47951	7.72516	-99999	-99999	-99999	700.361	-99999
104.4	91.6009	7.53999	7.8191	-99999	-99999	-99999	688.384	-99999

104.5	90.6715	7.6096	7.93114	-99999	-99999	-99999	686.663	-99999
104.6	87.4396	7.67132	8.02592	-99999	-99999	-99999	700.591	-99999
104.7	87.6908	7.73143	8.15376	-99999	-99999	-99999	705.519	-99999
104.8	83.9723	7.80264	8.24897	-99999	-99999	-99999	683.681	-99999
104.9	77.7112	7.88034	8.37634	-99999	-99999	-99999	688.796	-99999
105	71.451	7.95967	8.50726	-99999	-99999	-99999	715.692	-99999
105.1	67.9727	8.0511	8.62627	-99999	-99999	-99999	686.986	-99999
105.2	71.352	8.13633	8.74051	-99999	-99999	-99999	678.357	-99999
105.3	72.4117	8.20681	8.84591	-99999	-99999	-99999	690.76	-99999
105.4	72.2622	8.26315	8.94334	-99999	-99999	-99999	675.767	-99999
105.5	74.3486	8.3261	9.03795	-99999	-99999	-99999	662.31	-99999
105.6	75.3309	8.37351	9.1083	-99999	-99999	-99999	668.089	-99999
105.7	75.8828	8.40488	9.18764	-99999	-99999	-99999	673.018	-99999
105.8	77.3713	8.41438	9.25758	-99999	-99999	-99999	686.293	-99999
105.9	80.3917	8.42763	9.33049	-99999	-99999	-99999	644.493	-99999
106	81.4294	8.42672	9.36779	-99999	-99999	-99999	648.258	-99999
106.1	81.7405	8.44057	9.39955	-99999	-99999	-99999	618.347	-99999
106.2	81.8936	8.46672	9.42276	-99999	-99999	-99999	616.774	-99999
106.3	81.6025	8.50333	9.44922	-99999	-99999	-99999	632.529	-99999
106.4	78.9408	8.54156	9.49411	-99999	-99999	-99999	652.229	-99999
106.5	82.2381	8.60794	9.56207	-99999	-99999	-99999	621.271	-99999
106.6	83.9429	8.68322	9.64046	-99999	-99999	-99999	628.776	-99999
106.7	86.5191	8.7735	9.71169	-99999	-99999	-99999	613.112	-99999
106.8	85.8734	8.86382	9.78106	-99999	-99999	-99999	631.795	-99999
106.9	83.627	8.96081	9.89309	-99999	-99999	-99999	640.416	-99999
107	80.4992	9.02517	10.0279	-99999	-99999	-99999	667.268	-99999
107.1	79.9713	9.06553	10.1408	-99999	-99999	-99999	663.393	-99999
107.2	84.8133	9.07157	10.2224	-99999	-99999	-99999	655.57	-99999
107.3	88.5824	9.07638	10.2693	-99999	-99999	-99999	653.006	-99999
107.4	81.5344	9.08294	10.2905	-99999	-99999	-99999	678.302	-99999
107.5	87.8616	9.09432	10.29	-99999	-99999	-99999	687.477	-99999
107.6	87.8623	9.08808	10.295	-99999	-99999	-99999	694.237	-99999
107.7	89.6294	9.06793	10.3328	-99999	-99999	-99999	685.628	-99999
107.8	96.8513	9.02676	10.3841	-99999	-99999	-99999	681.417	-99999
107.9	96.5032	8.99372	10.4375	-99999	-99999	-99999	690.27	-99999
108	93.9266	8.98649	10.5168	-99999	-99999	-99999	706.994	-99999
108.1	91.2809	9.01298	10.6313	-99999	-99999	-99999	730.243	-99999
108.2	93.7394	9.05492	10.7787	-99999	-99999	-99999	734.806	-99999
108.3	95.3264	9.08871	10.9424	-99999	-99999	-99999	722.522	-99999
108.4	88.6469	9.10783	11.0934	-99999	-99999	-99999	721.298	-99999
108.5	89.1289	9.12344	11.2152	-99999	-99999	-99999	731.486	-99999
108.6	91.4217	9.11896	11.2966	-99999	-99999	-99999	740.625	-99999
108.7	85.7362	9.14581	11.362	-99999	-99999	-99999	738.607	-99999
108.8	86.8337	9.1726	11.445	-99999	-99999	-99999	734.717	-99999
108.9	88.2728	9.19012	11.5375	-99999	-99999	-99999	739.347	-99999
109	87.1325	9.20308	11.6235	-99999	-99999	-99999	734.665	-99999
109.1	85.0879	9.20198	11.6665	-99999	-99999	-99999	746.364	-99999

109.2	83.1169	9.19176	11.6893	-99999	-99999	-99999	767.638	-99999
109.3	85.8964	9.18457	11.7357	-99999	-99999	-99999	779.977	-99999
109.4	82.9575	9.19367	11.7936	-99999	-99999	-99999	803.466	-99999
109.5	81.367	9.21663	11.8599	-99999	-99999	-99999	841.753	-99999
109.6	82.8065	9.21884	11.9161	-99999	-99999	-99999	862.986	-99999
109.7	84.458	9.21751	11.9487	-99999	-99999	-99999	856.449	-99999
109.8	82.7751	9.21827	11.9629	-99999	-99999	-99999	841.433	-99999
109.9	81.5697	9.21687	12.0033	-99999	-99999	-99999	838.622	-99999
110	81.2819	9.21577	12.0774	-99999	-99999	-99999	841.781	-99999
110.1	80.4363	9.22642	12.1552	-99999	-99999	-99999	855.626	-99999
110.2	79.5552	9.25446	12.2243	-99999	-99999	-99999	849.974	-99999
110.3	79.8676	9.283	12.299	-99999	-99999	-99999	819.049	-99999
110.4	78.899	9.30655	12.3657	-99999	-99999	-99999	780.396	-99999
110.5	80.0521	9.3367	12.3972	-99999	-99999	-99999	765.498	-99999
110.6	81.3065	9.39687	12.4481	-99999	-99999	-99999	790.105	-99999
110.7	86.0895	9.48205	12.4647	-99999	-99999	-99999	805.158	-99999
110.8	89.8042	9.57604	12.4745	-99999	-99999	-99999	803.831	-99999
110.9	92.3097	9.67028	12.48	-99999	-99999	-99999	789.14	-99999
111	94.9917	9.7379	12.5222	-99999	-99999	-99999	762.749	-99999
111.1	94.3794	9.77982	12.5517	-99999	-99999	-99999	778.696	-99999
111.2	93.6387	9.81672	12.5449	-99999	-99999	-99999	792.217	-99999
111.3	91.6337	9.85294	12.5304	-99999	-99999	-99999	815.585	-99999
111.4	89.8704	9.88738	12.5112	-99999	-99999	-99999	839.641	-99999
111.5	90.5673	9.89221	12.4659	-99999	-99999	-99999	827.907	-99999
111.6	88.213	9.85135	12.4208	-99999	-99999	-99999	829.559	-99999
111.7	86.8081	9.76052	12.32	-99999	-99999	-99999	831.622	-99999
111.8	84.6142	9.63564	12.2371	-99999	-99999	-99999	821.123	-99999
111.9	82.8374	9.5076	12.0965	-99999	-99999	-99999	808.88	-99999
112	83.1492	9.39039	12.0225	-99999	-99999	-99999	787.813	-99999
112.1	82.6302	9.28438	11.9526	-99999	-99999	-99999	767.476	-99999
112.2	84.0223	9.18591	11.9145	-99999	-99999	-99999	722.437	-99999
112.3	86.0246	9.08444	11.9117	-99999	-99999	-99999	681.173	-99999
112.4	84.0247	8.98714	11.8828	-99999	-99999	-99999	676.278	-99999
112.5	84.7642	8.893	11.8691	-99999	-99999	-99999	672.692	-99999
112.6	85.324	8.82131	11.8585	-99999	-99999	-99999	668.668	-99999
112.7	89.9468	8.76813	11.8181	-99999	-99999	-99999	678.649	-99999
112.8	92.6238	8.71784	11.8138	-99999	-99999	-99999	686.557	-99999
112.9	90.5265	8.68402	11.7886	-99999	-99999	-99999	689.173	-99999
113	91.3088	8.66694	11.7551	-99999	-99999	-99999	704.204	-99999
113.1	94.9773	8.70185	11.6678	-99999	-99999	-99999	720.459	-99999
113.2	90.2754	8.80782	11.6028	-99999	-99999	-99999	716.708	-99999
113.3	94.7785	8.97347	11.5743	-99999	-99999	-99999	714.121	-99999
113.4	94.2796	9.21813	11.5695	-99999	-99999	-99999	707.564	-99999
113.5	92.4012	9.4941	11.5927	-99999	-99999	-99999	704.075	-99999
113.6	88.1847	9.80455	11.6514	-99999	-99999	-99999	724.174	-99999
113.7	83.0487	10.1419	11.6859	-99999	-99999	-99999	716.481	-99999
113.8	87.3459	10.5014	11.6906	-99999	-99999	-99999	702.279	-99999

113.9	86.047	10.8777	11.7221	-99999	-99999	-99999	697.106	-99999
114	85.217	11.2005	11.7619	-99999	-99999	-99999	704.624	-99999
114.1	89.4943	11.3908	11.7869	-99999	-99999	-99999	701.784	-99999
114.2	85.2201	11.4683	11.7975	-99999	-99999	-99999	689.295	-99999
114.3	83.3496	11.417	11.7739	-99999	-99999	-99999	694.335	-99999
114.4	83.7781	11.3047	11.6944	-99999	-99999	-99999	680.789	-99999
114.5	87.4047	11.1456	11.562	-99999	-99999	-99999	664.266	-99999
114.6	91.2331	10.9541	11.4181	-99999	-99999	-99999	666.803	-99999
114.7	88.143	10.685	11.2878	-99999	-99999	-99999	668.382	-99999
114.8	93.9521	10.3443	11.1681	-99999	-99999	-99999	669.466	-99999
114.9	88.2275	9.97132	11.0472	-99999	-99999	-99999	675.562	-99999
115	84.2247	9.63415	10.8949	-99999	-99999	-99999	699.234	-99999
115.1	83.1514	9.3541	10.7223	-99999	-99999	-99999	699.266	-99999
115.2	87.1636	9.17974	10.5524	-99999	-99999	-99999	692.755	-99999
115.3	89.4625	9.06616	10.3993	-99999	-99999	-99999	694.441	-99999
115.4	85.4335	8.98271	10.2551	-99999	-99999	-99999	703.142	-99999
115.5	86.2648	8.89239	10.1105	-99999	-99999	-99999	699.923	-99999
115.6	87.1599	8.80594	9.95878	-99999	-99999	-99999	695.031	-99999
115.7	86.6045	8.73657	9.79752	-99999	-99999	-99999	690.718	-99999
115.8	90.6947	8.70724	9.64285	-99999	-99999	-99999	676.899	-99999
115.9	89.9381	8.71873	9.51336	-99999	-99999	-99999	668.671	-99999
116	87.9983	8.737	9.41198	-99999	-99999	-99999	677.715	-99999
116.1	84.5989	8.7318	9.34315	-99999	-99999	-99999	686.465	-99999
116.2	81.0872	8.71731	9.28165	-99999	-99999	-99999	679.06	-99999
116.3	76.4055	8.68266	9.21271	-99999	-99999	-99999	670.885	-99999
116.4	71.2539	8.64851	9.12565	-99999	-99999	-99999	678.82	-99999
116.5	70.8532	8.62657	9.0268	-99999	-99999	-99999	682.573	-99999
116.6	66.4537	8.61518	8.92588	-99999	-99999	-99999	689.758	-99999
116.7	64.401	8.59894	8.82106	-99999	-99999	-99999	712.286	-99999
116.8	67.0695	8.55019	8.70144	-99999	-99999	-99999	716.716	-99999
116.9	67.7716	8.46846	8.56867	-99999	-99999	-99999	707.99	-99999
117	69.1544	8.35632	8.40887	-99999	-99999	-99999	710.425	-99999
117.1	69.8738	8.22703	8.24689	-99999	-99999	-99999	717.807	-99999
117.2	74.1842	8.11383	8.11266	-99999	-99999	-99999	699.292	-99999
117.3	78.2993	8.02113	7.99509	-99999	-99999	-99999	684.722	-99999
117.4	78.1547	7.93127	7.87706	-99999	-99999	-99999	690.406	-99999
117.5	79.7843	7.83367	7.76291	-99999	-99999	-99999	687.765	-99999
117.6	82.9514	7.72904	7.66481	-99999	-99999	-99999	675.625	-99999
117.7	84.5556	7.63477	7.56651	-99999	-99999	-99999	655.134	-99999
117.8	84.0234	7.5545	7.48577	-99999	-99999	-99999	664.596	-99999
117.9	84.1243	7.48445	7.41904	-99999	-99999	-99999	649.356	-99999
118	87.9573	7.42659	7.37218	-99999	-99999	-99999	642.993	-99999
118.1	89.4312	7.38432	7.32125	-99999	-99999	-99999	662.491	-99999
118.2	88.5985	7.35483	7.28504	-99999	-99999	-99999	682.133	-99999
118.3	90.8003	7.33379	7.2595	-99999	-99999	-99999	685.279	-99999
118.4	89.4558	7.31025	7.23465	-99999	-99999	-99999	661.807	-99999
118.5	83.9471	7.28575	7.21265	-99999	-99999	-99999	628.918	-99999

118.6	85.2471	7.26461	7.20015	-99999	-99999	-99999	643.218	-99999
118.7	87.9301	7.26081	7.18874	-99999	-99999	-99999	627.534	-99999
118.8	85.6397	7.27762	7.19315	-99999	-99999	-99999	651.093	-99999
118.9	81.7582	7.31041	7.20406	-99999	-99999	-99999	644.407	-99999
119	80.5064	7.3413	7.23942	-99999	-99999	-99999	646.776	-99999
119.1	82.6737	7.37444	7.28223	-99999	-99999	-99999	634.744	-99999
119.2	82.4775	7.42096	7.34048	-99999	-99999	-99999	603.477	-99999
119.3	84.6429	7.48533	7.40845	-99999	-99999	-99999	620.29	-99999
119.4	86.8706	7.57349	7.48205	-99999	-99999	-99999	652.087	-99999
119.5	87.3846	7.67593	7.56614	-99999	-99999	-99999	658.86	-99999
119.6	91.7169	7.77964	7.64395	-99999	-99999	-99999	690.703	-99999
119.7	97.9596	7.87715	7.71708	-99999	-99999	-99999	684.899	-99999
119.8	99.0693	7.94588	7.77611	-99999	-99999	-99999	721.495	-99999
119.9	99.5239	7.98345	7.81962	-99999	-99999	-99999	714.292	-99999
120	100.708	7.99798	7.87265	-99999	-99999	-99999	727.826	-99999
120.1	103.205	7.99876	7.9149	-99999	-99999	-99999	755.367	-99999
120.2	104.758	7.98692	7.95847	-99999	-99999	-99999	761.21	-99999
120.3	105.136	7.93653	8.01111	-99999	-99999	-99999	767.243	-99999
120.4	99.9542	7.8584	8.08294	-99999	-99999	-99999	757.588	-99999
120.5	95.7244	7.75527	8.16859	-99999	-99999	-99999	733.667	-99999
120.6	92.7622	7.64298	8.25918	-99999	-99999	-99999	738.568	-99999
120.7	97.3973	7.53817	8.33762	-99999	-99999	-99999	709.829	-99999
120.8	96.5441	7.44398	8.41099	-99999	-99999	-99999	718.145	-99999
120.9	91.5178	7.35012	8.46985	-99999	-99999	-99999	721.393	-99999
121	86.4487	7.25012	8.51846	-99999	-99999	-99999	711.9	-99999
121.1	85.4522	7.13789	8.53976	-99999	-99999	-99999	704.013	-99999
121.2	87.7905	7.03478	8.50712	-99999	-99999	-99999	701.597	-99999
121.3	90.493	6.95986	8.42545	-99999	-99999	-99999	712.805	-99999
121.4	92.7084	6.92543	8.30639	-99999	-99999	-99999	705.421	-99999
121.5	96.1725	6.92102	8.18281	-99999	-99999	-99999	703.063	-99999
121.6	93.7887	6.95011	8.08339	-99999	-99999	-99999	728.37	-99999
121.7	96.2343	7.03311	8.00677	-99999	-99999	-99999	741.931	-99999
121.8	102.407	7.1877	7.94743	-99999	-99999	-99999	744.278	-99999
121.9	107.003	7.40701	7.91481	-99999	-99999	-99999	766.122	-99999
122	108.814	7.70249	7.93638	-99999	-99999	-99999	779.395	-99999
122.1	109.478	8.0443	8.00968	-99999	-99999	-99999	773.038	-99999
122.2	108.046	8.39691	8.11317	-99999	-99999	-99999	780.568	-99999
122.3	101.927	8.74005	8.23103	-99999	-99999	-99999	793.107	-99999
122.4	95.8773	9.05375	8.33881	-99999	-99999	-99999	800.281	-99999
122.5	93.4731	9.31044	8.42257	-99999	-99999	-99999	791.897	-99999
122.6	94.1185	9.49431	8.47685	-99999	-99999	-99999	770.269	-99999
122.7	88.0505	9.58073	8.50958	-99999	-99999	-99999	746.758	-99999
122.8	86.5044	9.5613	8.49904	-99999	-99999	-99999	723.499	-99999
122.9	85.7541	9.42766	8.41989	-99999	-99999	-99999	726.308	-99999
123	80.7324	9.20609	8.28234	-99999	-99999	-99999	731.088	-99999
123.1	82.8872	8.91909	8.11715	-99999	-99999	-99999	726.013	-99999
123.2	84.1969	8.58923	7.93566	-99999	-99999	-99999	721.632	-99999

123.3	85.6904	8.25313	7.7562	-99999	-99999	-99999	718.901	-99999
123.4	82.0055	7.93981	7.57558	-99999	-99999	-99999	714.57	-99999
123.5	75.7244	7.65321	7.39674	-99999	-99999	-99999	709.199	-99999
123.6	75.7752	7.40514	7.22144	-99999	-99999	-99999	713.352	-99999
123.7	77.1268	7.20915	7.07106	-99999	-99999	-99999	710.492	-99999
123.8	76.4405	7.07363	6.95714	-99999	-99999	-99999	697.798	-99999
123.9	78.4798	6.99108	6.88523	-99999	-99999	-99999	693.403	-99999
124	76.4664	6.9438	6.8404	-99999	-99999	-99999	685.832	-99999
124.1	78.2135	6.92559	6.81471	-99999	-99999	-99999	672.382	-99999
124.2	79.9489	6.92521	6.80234	-99999	-99999	-99999	648.327	-99999
124.3	83.993	6.93659	6.79518	-99999	-99999	-99999	627.815	-99999
124.4	86.7139	6.95986	6.80047	-99999	-99999	-99999	620.201	-99999
124.5	85.826	6.98627	6.82302	-99999	-99999	-99999	616.66	-99999
124.6	85.4044	7.01179	6.8391	-99999	-99999	-99999	612.094	-99999
124.7	85.5959	7.03565	6.87021	-99999	-99999	-99999	620.427	-99999
124.8	84.2858	7.05543	6.8887	-99999	-99999	-99999	606.63	-99999
124.9	82.1202	7.07439	6.91689	-99999	-99999	-99999	622.805	-99999
125	81.9376	7.09382	6.94801	-99999	-99999	-99999	629.561	-99999
125.1	83.0862	7.11095	6.97507	-99999	-99999	-99999	622.389	-99999
125.2	84.4271	7.11899	6.99828	-99999	-99999	-99999	648.725	-99999
125.3	88.0069	7.11988	7.00611	-99999	-99999	-99999	650.649	-99999
125.4	88.7087	7.11358	6.996	-99999	-99999	-99999	643.7	-99999
125.5	86.243	7.10179	6.99299	-99999	-99999	-99999	641.557	-99999
125.6	87.7903	7.0832	6.97901	-99999	-99999	-99999	638.889	-99999
125.7	92.4883	7.06214	6.96129	-99999	-99999	-99999	644.958	-99999
125.8	95.6628	7.04038	6.93499	-99999	-99999	-99999	623.339	-99999
125.9	92.3318	7.01942	6.9113	-99999	-99999	-99999	629.074	-99999
126	88.831	7.0023	6.87463	-99999	-99999	-99999	630.748	-99999
126.1	87.9803	6.99041	6.85556	-99999	-99999	-99999	623.465	-99999
126.2	86.8649	6.97255	6.84397	-99999	-99999	-99999	610.854	-99999
126.3	88.6706	6.95576	6.83122	-99999	-99999	-99999	623.343	-99999
126.4	93.2896	6.94507	6.8206	-99999	-99999	-99999	613.278	-99999
126.5	87.8351	6.94338	6.80502	-99999	-99999	-99999	615.905	-99999
126.6	80.6087	6.95016	6.7973	-99999	-99999	-99999	611.784	-99999
126.7	79.3475	6.96513	6.79102	-99999	-99999	-99999	598.622	-99999
126.8	83.5144	6.98063	6.78851	-99999	-99999	-99999	591.222	-99999
126.9	82.753	6.99581	6.79777	-99999	-99999	-99999	610.797	-99999
127	83.4956	7.00359	6.80275	-99999	-99999	-99999	607.093	-99999
127.1	82.8831	7.02005	6.79773	-99999	-99999	-99999	619.609	-99999
127.2	82.3302	7.04364	6.8018	-99999	-99999	-99999	602.746	-99999
127.3	80.6779	7.06419	6.80014	-99999	-99999	-99999	600.857	-99999
127.4	85.8922	7.08159	6.81	-99999	-99999	-99999	600.59	-99999
127.5	93.5487	7.09145	6.82563	-99999	-99999	-99999	607.835	-99999
127.6	96.7102	7.08873	6.83772	-99999	-99999	-99999	639.456	-99999
127.7	93.589	7.08313	6.83539	-99999	-99999	-99999	657.338	-99999
127.8	94.3685	7.0759	6.83683	-99999	-99999	-99999	640.042	-99999
127.9	91.0736	7.07765	6.83929	-99999	-99999	-99999	651.406	-99999

128	92.0747	7.07968	6.85366	-99999	-99999	-99999	668.878	-99999
128.1	94.5527	7.0768	6.86852	-99999	-99999	-99999	688.957	-99999
128.2	92.8089	7.07423	6.88271	-99999	-99999	-99999	714.052	-99999
128.3	93.695	7.06506	6.89131	-99999	-99999	-99999	693.939	-99999
128.4	89.7505	7.06001	6.89192	-99999	-99999	-99999	684.857	-99999
128.5	86.6852	7.07065	6.8936	-99999	-99999	-99999	671.203	-99999
128.6	86.204	7.0772	6.90545	-99999	-99999	-99999	651.713	-99999
128.7	88.4756	7.08652	6.91365	-99999	-99999	-99999	673.537	-99999
128.8	90.3791	7.09438	6.92186	-99999	-99999	-99999	670.351	-99999
128.9	90.5269	7.09363	6.93017	-99999	-99999	-99999	672.318	-99999
129	89.4365	7.09753	6.94288	-99999	-99999	-99999	667.887	-99999
129.1	90.9805	7.09437	6.96195	-99999	-99999	-99999	665.282	-99999
129.2	88.6805	7.08708	6.98097	-99999	-99999	-99999	700.248	-99999
129.3	87.5459	7.07368	7.0116	-99999	-99999	-99999	711.923	-99999
129.4	85.6182	7.0631	7.05452	-99999	-99999	-99999	719.661	-99999
129.5	92.5307	7.06105	7.09136	-99999	-99999	-99999	732.633	-99999
129.6	92.9244	7.05769	7.12709	-99999	-99999	-99999	728.815	-99999
129.7	94.4338	7.05194	7.16438	-99999	-99999	-99999	730.617	-99999
129.8	95.7244	7.05318	7.20163	-99999	-99999	-99999	731.577	-99999
129.9	97.6301	7.05706	7.23456	-99999	-99999	-99999	733.03	-99999
130	98.915	7.07791	7.26858	-99999	-99999	-99999	723.222	-99999
130.1	100.048	7.10883	7.31044	-99999	-99999	-99999	706.352	-99999
130.2	104.694	7.1444	7.34787	-99999	-99999	-99999	709.625	-99999
130.3	107.259	7.17473	7.3817	-99999	-99999	-99999	709.872	-99999
130.4	101.245	7.19885	7.42202	-99999	-99999	-99999	697.915	-99999
130.5	100.761	7.22651	7.45713	-99999	-99999	-99999	691.87	-99999
130.6	97.3186	7.25752	7.47923	-99999	-99999	-99999	677.776	-99999
130.7	97.724	7.28962	7.49312	-99999	-99999	-99999	667.911	-99999
130.8	99.1034	7.31615	7.50341	-99999	-99999	-99999	673.449	-99999
130.9	99.3934	7.33637	7.50136	-99999	-99999	-99999	666.465	-99999
131	98.5068	7.35578	7.4977	-99999	-99999	-99999	651.339	-99999
131.1	98.4739	7.37045	7.48996	-99999	-99999	-99999	633.795	-99999
131.2	98.1218	7.3742	7.47319	-99999	-99999	-99999	627.718	-99999
131.3	100.91	7.3708	7.45911	98.4223	-99999	-99999	620.248	-99999
131.4	102.336	7.35977	7.44366	99.0499	-99999	-99999	621.455	-99999
131.5	102.405	7.33851	7.43577	96.0587	-99999	-99999	637.067	-99999
131.6	101.036	7.30518	7.41884	93.7507	-99999	-99999	631.989	-99999
131.7	99.3234	7.26609	7.40208	91.4756	-99999	-99999	610.483	-99999
131.8	99.1029	7.21575	7.37829	87.5363	-99999	-99999	601.792	-99999
131.9	99.9925	7.15217	7.33374	91.9903	-99999	-99999	621.226	-99999
132	100.639	7.08487	7.28136	91.6334	-99999	-99999	641.492	-99999
132.1	103.387	7.02276	7.22906	91.3231	-99999	-99999	651.292	-99999
132.2	106.4	6.96452	7.15493	90.8646	-99999	-99999	665.22	-99999
132.3	107.406	6.90928	7.09577	90.7941	-99999	-99999	665.757	-99999
132.4	108.972	6.85683	7.02344	95.4051	-99999	-99999	659.614	-99999
132.5	106.258	6.80881	6.9708	97.0009	-99999	-99999	663.727	-99999
132.6	101.365	6.76275	6.91778	96.962	-99999	-99999	678.072	-99999

132.7	101.707	6.72612	6.86512	101.222	-99999	-99999	692.389	-99999
132.8	101.55	6.69745	6.83456	100.006	-99999	-99999	682.195	-99999
132.9	100.439	6.67505	6.80459	102.956	-99999	-99999	684.991	-99999
133	98.4101	6.65148	6.76848	99.8606	-99999	-99999	677.997	-99999
133.1	94.7343	6.62693	6.74187	99.4647	-99999	-99999	693.197	-99999
133.2	95.781	6.59535	6.69159	98.6594	-99999	-99999	685.398	-99999
133.3	98.3498	6.56323	6.65846	96.7598	-99999	-99999	670.202	-99999
133.4	102.042	6.53394	6.60599	95.5514	-99999	-99999	664.496	-99999
133.5	104.444	6.50127	6.55032	97.1448	-99999	-99999	668.311	-99999
133.6	102.727	6.46314	6.50229	98.3455	-99999	-99999	661.418	-99999
133.7	100.501	6.4168	6.43336	95.1601	-99999	-99999	660.458	-99999
133.8	96.9651	6.36523	6.3616	92.0794	-99999	-99999	645.156	-99999
133.9	93.6068	6.31227	6.28216	93.9517	-99999	-99999	630.736	-99999
134	94.145	6.26006	6.19299	95.8631	-99999	-99999	613.696	-99999
134.1	94.7741	6.21035	6.10662	95.5523	-99999	-99999	621.4	-99999
134.2	89.7401	6.16252	6.00229	91.3379	-99999	-99999	644.123	-99999
134.3	88.8318	6.11677	5.90441	88.5837	-99999	-99999	644.011	-99999
134.4	84.367	6.07362	5.80556	85.2502	-99999	-99999	652.916	-99999
134.5	82.4915	6.042	5.70307	82.3501	-99999	-99999	680.929	-99999
134.6	83.5453	6.02209	5.60919	83.5711	-99999	-99999	684.718	-99999
134.7	86.4752	6.00884	5.52435	83.9633	-99999	-99999	663.856	-99999
134.8	88.1647	6.00015	5.45398	81.5626	-99999	-99999	662.573	-99999
134.9	85.9138	5.9894	5.39762	76.6687	-99999	-99999	654.708	-99999
135	84.5383	5.98355	5.35025	73.6259	-99999	-99999	641.094	-99999
135.1	86.9816	5.977	5.31435	75.4024	-99999	-99999	620.602	-99999
135.2	87.75	5.96393	5.27922	79.6285	-99999	-99999	623.844	-99999
135.3	91.4595	5.94747	5.24323	83.3945	-99999	-99999	606.513	-99999
135.4	97.023	5.92037	5.21104	85.9086	-99999	-99999	575.294	-99999
135.5	101.709	5.88852	5.17645	89.2706	-99999	-99999	554.1	-99999
135.6	103.572	5.84861	5.13827	89.949	-99999	-99999	549.435	-99999
135.7	104.369	5.80514	5.09717	90.9331	-99999	-99999	551.541	-99999
135.8	106.135	5.76728	5.06071	95.5267	-99999	-99999	555.401	-99999
135.9	107.883	5.72905	5.02627	97.8649	-99999	-99999	560.86	-99999
136	107.417	5.6921	4.99434	98.0101	-99999	-99999	565.497	-99999
136.1	108.191	5.66755	4.97118	95.1578	-99999	-99999	556.481	-99999
136.2	105.258	5.65407	4.96208	94.4072	5.66871	-99999	558.287	-99999
136.3	101.216	5.65019	4.96527	96.5646	5.69321	-99999	570.644	-99999
136.4	97.9749	5.65996	4.98096	96.938	5.72892	-99999	577.941	-99999
136.5	94.1056	5.68216	5.01745	96.8477	5.77377	-99999	590.774	-99999
136.6	91.7003	5.71666	5.07395	94.9337	5.82827	-99999	589.296	-99999
136.7	89.3036	5.75989	5.14325	89.7313	5.89593	-99999	580.495	-99999
136.8	85.1661	5.81412	5.22859	88.9206	5.97438	-99999	575.848	-99999
136.9	84.3115	5.88402	5.33485	89.3688	6.06325	-99999	576.205	-99999
137	84.6515	5.9642	5.45563	91.5594	6.15734	5.9686	591.641	-99999
137.1	89.7109	6.05126	5.59042	89.9728	6.2522	6.06518	590.454	-99999
137.2	92.375	6.14104	5.74193	87.1449	6.35124	6.17861	599.826	-99999
137.3	90.0616	6.23748	5.89586	84.352	6.44752	6.31043	632.259	-99999

137.4	90.4941	6.3297	6.0513	84.2656	6.54505	6.45298	662.249	-99999
137.5	94.4011	6.41824	6.20685	82.1711	6.63613	6.60948	707.115	-99999
137.6	94.7565	6.50715	6.35798	85.7236	6.72031	6.76266	730.389	-99999
137.7	93.7254	6.59613	6.50214	84.2895	6.80018	6.9013	744.394	-99999
137.8	92.5419	6.67702	6.63485	87.2567	6.87935	7.02495	760.626	-99999
137.9	88.0965	6.75379	6.75644	84.5987	6.95208	7.13664	763.581	-99999
138	83.4143	6.83251	6.86972	79.1494	7.0245	7.2382	772.778	696.189
138.1	81.3252	6.90976	6.97193	79.2197	7.09703	7.33771	774.133	691.909
138.2	82.679	6.98286	7.07134	79.4456	7.17195	7.43372	767.943	686.516
138.3	82.6268	7.06162	7.15301	82.5219	7.24857	7.52024	753.575	692.78
138.4	81.5055	7.14635	7.23249	84.9514	7.33023	7.5963	749.152	678.325
138.5	84.5517	7.23283	7.31394	83.2202	7.4139	7.67046	739.638	674.696
138.6	85.4667	7.32131	7.39057	89.6525	7.51265	7.74484	747.296	671.29
138.7	84.6959	7.41624	7.45609	88.8623	7.61191	7.81345	761.78	673.145
138.8	84.8823	7.51277	7.52706	89.6095	7.71107	7.88508	779.466	642.313
138.9	84.6725	7.60543	7.58967	97.0457	7.80278	7.95162	781.788	649.164
139	82.9468	7.69339	7.64605	95.1004	7.88895	8.00377	767.831	656.463
139.1	84.327	7.78046	7.68991	96.8635	7.96865	8.04913	745.129	658.89
139.2	86.7381	7.86455	7.75536	91.0115	8.04507	8.09159	721.974	648.172
139.3	84.6151	7.93871	7.79476	94.4878	8.10948	8.12878	677.768	655.423
139.4	81.884	8.00381	7.82655	101.178	8.15907	8.15309	675.481	668.651
139.5	81.1327	8.05467	7.86532	99.8116	8.16842	8.16703	659.623	657.444
139.6	81.8594	8.08207	7.89329	97.9886	8.15438	8.16438	625.788	635.389
139.7	84.2635	8.08541	7.91092	98.2546	8.11783	8.14656	605.544	645.639
139.8	87.7855	8.06942	7.91405	94.6201	8.07095	8.11814	590.758	624.475
139.9	88.6495	8.03288	7.89981	94.7672	8.00778	8.08387	587.979	609.494
140	87.7758	7.9831	7.88025	94.8961	7.93079	8.03588	604.863	611.863
140.1	88.3867	7.91878	7.82299	101.588	7.84079	7.97792	629.303	622.846
140.2	86.3881	7.85197	7.78085	100.585	7.74673	7.92005	634.184	624.957
140.3	85.6219	7.7649	7.72997	95.7332	7.64663	7.86244	632.593	624.698
140.4	85.7644	7.67232	7.6571	95.5681	7.55669	7.80088	623.482	636.179
140.5	87.4265	7.5812	7.59971	99.2127	7.47421	7.75212	643.189	632.586
140.6	83.7347	7.49238	7.53825	100.622	7.4089	7.70385	641.331	611.613
140.7	79.2238	7.41697	7.47949	98.8621	7.34961	7.6671	647.657	607.2
140.8	79.7262	7.35651	7.44598	99.1939	7.2985	7.62705	641.421	608.774
140.9	78.8022	7.29333	7.41552	97.9276	7.25384	7.59596	630.509	604.866
141	79.0011	7.24027	7.39652	93.4473	7.21698	7.56025	613.281	599.639
141.1	83.2198	7.18333	7.37649	87.4219	7.1899	7.521	607.63	587.365
141.2	83.7675	7.14947	7.34492	85.9039	7.16958	7.48697	624.381	584.427
141.3	82.957	7.12266	7.31725	84.0297	7.15908	7.45904	618.165	594.867
141.4	81.2033	7.10386	7.28921	80.5703	7.15673	7.42557	610.948	611.892
141.5	87.9784	7.09858	7.25902	83.2573	7.15733	7.40307	608.751	647.6
141.6	95.074	7.09534	7.23479	86.944	7.16381	7.37826	636.775	690.389
141.7	99.6338	7.10121	7.20157	87.2273	7.17795	7.35486	666.508	729.472
141.8	102.523	7.11734	7.17693	88.4565	7.1975	7.34573	691.793	754.255
141.9	103.736	7.13246	7.15294	91.0432	7.21629	7.35302	733.635	794.758
142	98.0378	7.15099	7.14019	95.1058	7.23412	7.35769	772.142	846.107

142.1	100.88	7.1652	7.1441	96.2694	7.2549	7.35875	795.577	887.548
142.2	108.729	7.18281	7.15087	99.9132	7.27227	7.35275	841.195	924.969
142.3	109.76	7.20278	7.15177	103.412	7.2825	7.34779	879.784	937.449
142.4	105.736	7.21645	7.14793	102.713	7.2849	7.33512	911.768	953.571
142.5	101.046	7.22188	7.14527	102.281	7.28437	7.31902	936.981	952.154
142.6	107.228	7.22385	7.13748	102.476	7.2744	7.30389	937.25	920.263
142.7	104.221	7.2173	7.12746	106.813	7.26377	7.27842	930.354	897.505
142.8	109.285	7.20477	7.11293	110.292	7.24793	7.25282	914.535	852.203
142.9	113.739	7.19257	7.09038	110.045	7.23526	7.23248	903.656	802.306
143	115.787	7.18023	7.06458	110.751	7.21904	7.21611	875.3	755.384
143.1	109.386	7.16976	7.04412	107.674	7.20491	7.21875	838.769	709.211
143.2	110.08	7.15696	7.04094	104.834	7.18699	7.22534	801.538	691.058
143.3	111.376	7.14345	7.04447	102.214	7.1723	7.23419	752.248	645.553
143.4	112.312	7.12686	7.04508	100.665	7.15392	7.2524	708.802	620.639
143.5	102.572	7.10522	7.05135	97.696	7.14023	7.27408	686.89	622.01
143.6	97.1824	7.08839	7.06267	92.6	7.12262	7.2892	664.137	619.032
143.7	92.7562	7.07555	7.07226	90.1917	7.10971	7.308	651.987	616.147
143.8	90.4836	7.06702	7.08815	88.3219	7.09592	7.3232	658.925	616.903
143.9	84.3454	7.0605	7.11098	85.7203	7.09275	7.34442	684.472	611.191
144	85.2613	7.05375	7.12815	86.3909	7.09561	7.35712	685.387	618.398
144.1	84.4507	7.05254	7.13936	83.815	7.11186	7.37366	677.6	624.266
144.2	86.3277	7.06084	7.15014	83.4446	7.13961	7.39088	674.619	632.248
144.3	87.3299	7.07897	7.17099	82.6673	7.16955	7.42148	662.278	640.162
144.4	89.1917	7.1026	7.19797	85.6316	7.20851	7.46635	658.661	632.468
144.5	92.0456	7.13639	7.2383	82.8812	7.25944	7.5188	665.872	630.403
144.6	91.9421	7.17808	7.28918	81.6161	7.32213	7.57012	654.417	641.139
144.7	92.8665	7.22578	7.33627	84.3075	7.38567	7.63377	619.314	635.726
144.8	94.0185	7.28389	7.38857	86.7792	7.45058	7.69487	596.368	623.453
144.9	92.1245	7.34551	7.45647	82.6257	7.51236	7.76531	594.922	603.028
145	91.6526	7.40998	7.52612	87.9449	7.56984	7.83641	604.649	616.167
145.1	88.114	7.47291	7.59502	87.9558	7.62115	7.90477	626.602	613.74
145.2	82.4555	7.53151	7.6486	91.034	7.6839	7.9553	638.731	592.541
145.3	82.0546	7.5942	7.70733	84.1367	7.74	7.99547	655.625	603.408
145.4	80.7736	7.65683	7.75469	89.4168	7.78401	8.03426	654.685	594.931
145.5	81.9114	7.71491	7.7934	88.8378	7.80903	8.08266	655.282	593.949
145.6	85.0387	7.76008	7.8346	89.0994	7.83707	8.12312	662.39	611.888
145.7	88.759	7.78963	7.8707	83.5592	7.85829	8.16075	668.524	623.544
145.8	91.4888	7.81607	7.90098	85.431	7.87993	8.1951	686.155	626.729
145.9	89.4741	7.83987	7.9373	83.6813	7.89793	8.23184	681.919	621.999
146	88.3541	7.86503	7.95741	88.074	7.9154	8.2729	662.004	633.326
146.1	89.7739	7.88372	8.00264	90.3323	7.92914	8.32169	671.048	636.783
146.2	90.3816	7.89597	8.03849	97.9675	7.9427	8.3656	664.727	635.156
146.3	89.4979	7.90971	8.07621	96.254	7.95858	8.39344	666.038	650.281
146.4	88.7167	7.92317	8.12105	97.3597	7.98394	8.4169	670.356	660.442
146.5	88.8759	7.93647	8.14014	96.4132	8.00198	8.4475	671.808	662.391
146.6	87.637	7.95507	8.18112	100.512	8.01808	8.48001	668.136	661.976
146.7	88.5958	7.97411	8.20743	100.137	8.02693	8.50287	661.22	670.151

146.8	88.9972	7.98875	8.23004	99.4019	8.03363	8.52706	673.086	664.767
146.9	89.3885	7.99296	8.26671	94.0104	8.03361	8.53983	671.851	659.525
147	88.4607	8.00181	8.27981	87.9182	8.03242	8.5403	652.328	660.763
147.1	87.2912	8.01168	8.27929	83.5955	8.028	8.55736	652.055	652.066
147.2	89.6597	8.00748	8.29034	80.7857	8.01851	8.58104	631.084	638.376
147.3	89.7319	8.00502	8.30211	80.5849	7.99666	8.58722	626.083	607.632
147.4	87.3553	7.99463	8.31871	85.3458	7.97215	8.59272	622.279	599.169
147.5	83.3369	7.97458	8.31768	86.1168	7.94605	8.59251	617.474	604.015
147.6	78.2306	7.9456	8.3102	86.6282	7.93131	8.58508	601.037	591.553
147.7	81.1796	7.92134	8.30583	86.7582	7.92701	8.57378	592.698	594.957
147.8	84.0994	7.90936	8.29786	90.7074	7.9345	8.55891	601.498	610.514
147.9	87.9751	7.90753	8.29126	94.6205	7.94773	8.55463	589.459	620.877
148	92.04	7.90739	8.28458	96.4342	7.95909	8.53984	576.587	614.211
148.1	93.9167	7.93075	8.26802	94.4334	7.97125	8.54164	588.401	619.465
148.2	95.4351	7.95001	8.26356	91.441	7.99809	8.55447	589.832	636.875
148.3	93.9901	7.97998	8.2717	86.1652	8.03758	8.56867	585.05	635.075
148.4	94.8964	8.02328	8.29066	83.8873	8.08367	8.60085	583.037	638.885
148.5	101.024	8.07214	8.31825	83.7194	8.13836	8.65058	580.292	656.051
148.6	102.433	8.12706	8.35411	84.0769	8.18902	8.6932	590.179	649.142
148.7	104.881	8.18272	8.39382	82.9944	8.22861	8.74365	588.82	632.747
148.8	104.16	8.22939	8.43904	83.5318	8.26145	8.79081	591.036	626.898
148.9	98.678	8.26753	8.48882	85.2879	8.28882	8.83194	598.837	639.663
149	90.1642	8.2871	8.52461	87.7631	8.31151	8.86982	599.659	637.488
149.1	84.0237	8.29639	8.55322	87.554	8.32672	8.89396	603.055	638.396
149.2	88.2985	8.29639	8.5793	87.2603	8.34105	8.90098	616.436	635.438
149.3	86.5854	8.2961	8.5948	87.9195	8.33766	8.90852	617.022	632.074
149.4	78.1705	8.2868	8.60854	84.6782	8.32143	8.90897	612.181	602.495
149.5	79.2401	8.27664	8.61023	82.5026	8.30426	8.91264	608.062	593.589
149.6	74.4009	8.25793	8.61263	80.0336	8.29132	8.92982	612.645	586.638
149.7	73.9277	8.24467	8.62099	77.6477	8.28215	8.93561	626.093	593.678
149.8	74.5105	8.23942	8.63369	78.8925	8.28559	8.96223	617.31	575.168
149.9	77.3092	8.23154	8.6522	81.3638	8.302	8.97984	634.295	585.72
150	80.6895	8.23903	8.67389	84.7731	8.31505	9.02031	641.871	606.201
150.1	81.6022	8.26151	8.70626	87.819	8.32532	9.08122	640.757	613.333
150.2	89.9991	8.27722	8.74247	89.2731	8.3454	9.14311	642.231	608.577
150.3	91.4638	8.29969	8.78721	93.1973	8.36632	9.20986	638.397	632.043
150.4	87.894	8.3196	8.85431	93.9095	8.39235	9.28893	626.505	639.31
150.5	88.8183	8.34244	8.91941	96.4562	8.42468	9.35388	628.106	638.683
150.6	86.2782	8.3624	8.98013	97.0338	8.4584	9.43802	632.379	644.262
150.7	86.9997	8.3886	9.05401	95.2994	8.49206	9.51602	631.123	658.393
150.8	89.9962	8.42136	9.12414	96.084	8.52171	9.5931	607.58	656.605
150.9	93.7564	8.45013	9.18896	98.6134	8.5591	9.66549	591.473	624.566
151	88.4338	8.47921	9.24917	99.6277	8.59383	9.72836	583.289	643.563
151.1	85.8905	8.50858	9.32103	101.263	8.62754	9.77984	587.52	654.633
151.2	91.2507	8.53668	9.3853	100.132	8.66173	9.84194	613.355	663.877
151.3	94.1568	8.56469	9.4434	100.969	8.68776	9.89349	630.177	650.949
151.4	93.9156	8.59841	9.50472	100.445	8.69495	9.95072	629.982	663.003

151.5	94.6979	8.61967	9.55459	103.708	8.69594	10.0013	630.604	655.31
151.6	98.4135	8.62313	9.59032	105.401	8.69626	10.04	639.389	683.379
151.7	96.5668	8.62536	9.63633	105.187	8.68748	10.07	661.646	693.199
151.8	93.8998	8.62703	9.67659	103.518	8.67723	10.0772	671.305	724.728
151.9	95.2568	8.62278	9.69482	97.3162	8.66785	10.0969	674.977	722.144
152	96.1228	8.61846	9.69464	97.6702	8.65853	10.1091	679.068	719.629
152.1	90.6085	8.61422	9.70326	96.4438	8.64943	10.1245	660.806	711.849
152.2	83.6304	8.60768	9.69299	94.0757	8.64519	10.1347	656.169	707.802
152.3	84.8952	8.59823	9.70626	99.5866	8.64077	10.1586	650.19	715.393
152.4	86.4245	8.5939	9.71997	96.7098	8.64136	10.1949	653.81	707.005
152.5	83.2267	8.5948	9.74608	98.2561	8.64388	10.2359	664.477	670.514
152.6	84.2059	8.59817	9.77162	93.8704	8.66515	10.2808	665.95	639.006
152.7	87.7015	8.60971	9.8078	90.2239	8.67632	10.3392	658.243	619.382
152.8	87.111	8.62615	9.85583	93.4861	8.68214	10.388	657.49	599.241
152.9	85.4833	8.64243	9.91301	92.6147	8.68763	10.4289	646.467	600.771
153	89.5136	8.65247	9.94531	95.381	8.68272	10.4417	651.208	601.362
153.1	91.7201	8.65158	9.98608	97.0773	8.67545	10.4488	638.049	614.633
153.2	89.4122	8.64928	9.9852	92.7025	8.67981	10.4495	633.642	612.396
153.3	87.1511	8.64902	10.0052	95.121	8.67892	10.4344	620.257	625.929
153.4	86.5888	8.65164	9.98991	95.8578	8.67067	10.4152	591.216	624.244
153.5	85.5636	8.65016	9.98132	98.4623	8.65345	10.3981	580.165	621.01
153.6	83.5591	8.63446	9.96443	100.799	8.65541	10.3755	585.394	626.421
153.7	85.2129	8.62031	9.95978	100.273	8.66726	10.3515	587.236	645.882
153.8	84.4509	8.61316	9.93039	97.1129	8.68401	10.3349	594.088	648.703
153.9	82.3943	8.61934	9.91723	98.1641	8.70646	10.3409	596.637	661.504
154	84.274	8.63817	9.90229	101.348	8.72983	10.3596	622.762	658.604
154.1	85.8931	8.65232	9.92248	101.334	8.74375	10.3784	617.475	648.559
154.2	86.1249	8.66314	9.92893	101.005	8.7498	10.3881	616.812	651.592
154.3	86.1069	8.67073	9.9571	98.4057	8.75539	10.3809	644.587	694.428
154.4	82.8626	8.67626	9.96957	94.6986	8.75071	10.367	646.379	713.773
154.5	80.8897	8.67367	9.97425	93.1738	8.72319	10.3595	626.055	689.799
154.6	83.933	8.66834	9.95416	92.3609	8.68514	10.3274	631.542	670.045
154.7	88.2472	8.6469	9.93903	93.5339	8.62843	10.2767	616.484	662.718
154.8	88.888	8.60783	9.90512	95.9208	8.55898	10.2057	628.997	662.815
154.9	89.3789	8.54554	9.84519	94.1744	8.48075	10.1121	606.614	674.824
155	89.8341	8.48073	9.76599	93.9423	8.40643	9.98738	632.531	680.444
155.1	92.2439	8.41258	9.66338	92.3357	8.34861	9.85964	658.281	675.863
155.2	92.7758	8.34697	9.55176	91.5302	8.29827	9.768	641.94	669.134
155.3	93.8369	8.28729	9.44061	94.3341	8.25846	9.67253	639.533	680.819
155.4	100.508	8.24208	9.333	93.5223	8.2245	9.58562	660.452	696.631
155.5	99.5833	8.19789	9.25053	94.194	8.19967	9.54323	659.101	703.65
155.6	95.4828	8.16325	9.18835	92.8817	8.1898	9.50072	684.451	707.639
155.7	94.874	8.14348	9.14754	87.3366	8.19423	9.48684	676.577	692.106
155.8	93.4518	8.1426	9.13028	85.7702	8.21741	9.4693	674.792	680.366
155.9	90.4086	8.15601	9.11285	85.5854	8.24478	9.47462	668.258	674.81
156	91.1536	8.17424	9.1157	87.3184	8.26292	9.49691	657.563	663.891
156.1	93.7238	8.1928	9.12854	92.2834	8.2717	9.50363	661.314	645.011

156.2	93.5448	8.21127	9.13949	93.9812	8.2711	9.49153	649.661	640.171
156.3	89.6493	8.22459	9.14596	95.1311	8.26655	9.46361	658.23	640.735
156.4	87.6386	8.22434	9.1289	97.4166	8.25659	9.40044	662.405	648.26
156.5	92.9394	8.21943	9.08664	98.1514	8.25705	9.34685	651.47	648.38
156.6	94.153	8.21065	9.03751	99.6306	8.25195	9.27277	651.765	645.094
156.7	94.3915	8.20558	8.98131	98.9723	8.23221	9.22234	656.349	632.666
156.8	97.2168	8.19529	8.92966	95.5597	8.19727	9.1721	652.666	626.224
156.9	95.7099	8.17567	8.87076	90.9226	8.16522	9.09688	640.869	620.336
157	91.8838	8.1478	8.80836	88.6634	8.14713	9.02471	641.043	615.416
157.1	92.4325	8.12059	8.74895	89.5969	8.13659	8.98169	643.834	599.184
157.2	90.6187	8.09892	8.69286	90.8339	8.12741	8.91559	616.683	595.459
157.3	85.1559	8.08496	8.64313	92.5232	8.1183	8.87101	596.879	558.846
157.4	85.2325	8.07115	8.60003	95.7914	8.09205	8.85141	601.265	568.289
157.5	88.6734	8.05445	8.55958	99.1065	8.06045	8.80881	600.194	571.32
157.6	88.7895	8.02519	8.51811	101.101	8.02273	8.7517	586.589	596.425
157.7	87.3366	7.98841	8.48103	106.174	7.99364	8.68615	582.443	609.425
157.8	89.3634	7.95029	8.43075	107.202	7.95716	8.6286	580.641	611.853
157.9	88.1767	7.91209	8.37982	106.446	7.90774	8.56922	583.111	605.476
158	86.9453	7.86507	8.31945	103.713	7.85635	8.49428	592.667	610.147
158.1	94.212	7.81698	8.25427	104.924	7.79865	8.42747	611.268	613.275
158.2	99.1209	7.76229	8.19553	99.912	7.7368	8.35215	620.192	650.911
158.3	97.518	7.69723	8.11951	99.9265	7.67163	8.26007	601.04	638.455
158.4	93.566	7.63125	8.04388	98.0386	7.61415	8.17741	602.484	653.16
158.5	92.0129	7.5733	7.96329	101.948	7.56885	8.09159	602.233	639.373
158.6	89.7106	7.5226	7.87883	99.7147	7.53185	8.01975	594.436	635.519
158.7	90.4373	7.48404	7.80922	100.522	7.49988	7.95209	600.417	641.773
158.8	95.1033	7.45414	7.73478	100.199	7.48233	7.88012	593.841	660.998
158.9	95.4539	7.4353	7.65926	102.985	7.46678	7.82521	591.215	656.078
159	90.141	7.42072	7.5948	101.928	7.45057	7.77052	594.451	633.875
159.1	88.6207	7.41563	7.5412	101.801	7.44991	7.71845	612.468	624.709
159.2	89.8416	7.41918	7.49983	100.431	7.45757	7.67148	627.132	627.073
159.3	91.9585	7.4231	7.45483	97.3416	7.46521	7.62999	630.462	619.419
159.4	91.2095	7.4303	7.41468	89.9357	7.45784	7.58115	643.79	614.276
159.5	92.193	7.4337	7.36619	87.8763	7.4543	7.52944	660.03	599.128
159.6	92.8433	7.43109	7.32163	91.1891	7.44123	7.47499	651.181	579.574
159.7	93.1052	7.42081	7.27789	91.1871	7.40867	7.41411	643.619	567.435
159.8	93.9089	7.40144	7.24591	92.507	7.37045	7.3432	633.758	571.84
159.9	93.5693	7.37484	7.19224	89.7968	7.33833	7.27095	604.269	581.009
160	95.4549	7.33706	7.11831	91.0899	7.28913	7.19751	574.607	574.468
160.1	95.0675	7.29533	7.04789	90.2899	7.23395	7.11972	578.849	582.352
160.2	97.2505	7.24792	6.97615	91.5229	7.17504	7.04366	568.457	598.92
160.3	105.293	7.19509	6.90531	97.3215	7.11362	6.97505	545.391	601.78
160.4	107.846	7.13865	6.83446	98.79	7.04501	6.90092	525.121	625.259
160.5	106.073	7.07355	6.7708	99.5501	6.98586	6.83438	534.713	632.248
160.6	101.944	7.01567	6.70357	97.4429	6.93469	6.77916	546.141	625.642
160.7	100.139	6.95999	6.63075	96.2536	6.89361	6.73512	540.95	629.281
160.8	100.794	6.90881	6.58794	98.4868	6.86024	6.70184	573.174	639.576

160.9	98.9723	6.87091	6.55239	102.87	6.84191	6.67249	576.188	629.516
161	100.922	6.84803	6.52632	102.515	6.82945	6.65303	585.448	602.517
161.1	100.836	6.8321	6.50904	103.786	6.82622	6.65064	598.519	592.203
161.2	98.1563	6.82149	6.49577	99.2062	6.8365	6.65528	605.472	598.399
161.3	95.6605	6.82312	6.49849	95.3628	6.85003	6.66788	606.96	588
161.4	95.352	6.8383	6.5002	88.6517	6.85886	6.68356	586.342	589.541
161.5	99.9913	6.8482	6.51589	87.5137	6.87444	6.6955	584.458	599.515
161.6	99.6942	6.85234	6.53569	87.8542	6.91676	6.69459	562.983	597.634
161.7	96.2498	6.88014	6.54177	87.998	6.96827	6.67768	562.878	592.076
161.8	95.3819	6.9228	6.53197	84.1599	7.01466	6.65192	560.06	607.294
161.9	93.048	6.96386	6.50904	82.0748	7.057	6.65124	557.244	618.709
162	91.0464	7.00332	6.4897	81.1478	7.09409	6.64897	545.63	605.776
162.1	87.7337	7.04137	6.48771	83.5603	7.12458	6.64284	549.152	594.981
162.2	89.1182	7.07846	6.49305	86.7371	7.15265	6.63184	555.491	598.824
162.3	91.3804	7.10687	6.48541	89.4438	7.18233	6.63045	578.113	593.893
162.4	87.9711	7.13511	6.47611	90.1652	7.21655	6.64977	606.143	580.954
162.5	91.2539	7.17197	6.47992	89.7808	7.24093	6.7052	634.801	584.652
162.6	91.3946	7.19618	6.50722	85.3209	7.24371	6.76371	620.003	582.799
162.7	87.4531	7.22039	6.56504	85.9036	7.22645	6.80603	626.786	579.683
162.8	84.4706	7.21537	6.61193	86.8439	7.20637	6.80484	602.202	576.404
162.9	87.0258	7.19933	6.63163	87.0449	7.19725	6.81197	603.319	583.57
163	94.7205	7.1929	6.64252	87.1215	7.19438	6.82707	608.343	587.669
163.1	90.8446	7.1787	6.65539	84.8672	7.19489	6.85922	597.728	590.351
163.2	91.9791	7.17163	6.67747	85.3815	7.19153	6.88477	591.099	613.046
163.3	95.336	7.16822	6.70268	84.8157	7.1704	6.91619	572.936	622.563
163.4	91.8516	7.16732	6.72719	85.2226	7.13865	6.93171	580.745	616.049
163.5	96.179	7.14163	6.75132	87.541	7.1322	6.99005	588.756	613.014
163.6	102.337	7.11089	6.78481	87.868	7.16396	7.08027	586.526	613.426
163.7	104.533	7.12163	6.85339	90.1173	7.2177	7.20044	599.398	612.341
163.8	102.126	7.16897	6.95006	89.007	7.2889	7.34089	598.278	613.044
163.9	95.0029	7.2218	7.06368	87.0664	7.38077	7.51357	599.723	611.709
164	99.7259	7.30559	7.20756	87.3503	7.49938	7.72932	595.526	605.434
164.1	95.3263	7.40991	7.38222	89.0495	7.6491	7.98492	593.676	591.623
164.2	98.2909	7.5403	7.59522	88.2068	7.83648	8.28527	603.69	602.529
164.3	100.4	7.69235	7.84888	89.9066	8.06374	8.61984	602.239	620.724
164.4	98.1213	7.89434	8.13882	94.071	8.33516	8.97365	613.551	631.794
164.5	94.0192	8.14046	8.45765	92.3899	8.62414	9.37006	613.145	612.772
164.6	93.6466	8.42094	8.81061	88.9589	8.90391	9.79719	608.292	627.77
164.7	92.7869	8.70199	9.19461	87.505	9.15744	10.2435	614.695	637.461
164.8	91.3854	8.96549	9.59177	90.932	9.40747	10.6986	622.256	634.824
164.9	91.6689	9.21303	10.0001	89.5062	9.68726	11.139	632.296	652.518
165	93.3845	9.46866	10.3997	85.7919	10.0091	11.5703	619.64	657.368
165.1	93.3292	9.76794	10.7938	86.4157	10.3721	12.0026	611.382	662.719
165.2	91.0875	10.1224	11.1976	85.2533	10.777	12.4765	614.313	663.585
165.3	89.7956	10.5022	11.6086	78.8923	11.1699	12.9586	594.569	677.943
165.4	92.1468	10.8999	12.0377	78.2858	11.5421	13.4631	590.466	680.046
165.5	96.2775	11.2888	12.4878	80.6234	11.9011	13.9909	607.426	672.059

165.6	99.7325	11.6652	12.9372	82.4621	12.2896	14.516	617.526	654.707
165.7	103.636	12.0444	13.4147	78.7493	12.7054	15.0322	627.92	664.168
165.8	106.91	12.44	13.9019	85.6346	13.1098	15.5167	638.733	669.192
165.9	105.029	12.8532	14.3805	90.0683	13.4259	16.0138	653.796	678.171
166	99.5295	13.2256	14.8064	93.5701	13.6184	16.4493	659.497	666.835
166.1	102.376	13.4978	15.2097	96.0346	13.6341	16.7683	652.592	653.309
166.2	105.539	13.6301	15.5595	103.489	13.5515	17.0793	668.464	628.672
166.3	105.508	13.6167	15.8521	106.21	13.4023	17.2819	674.578	633.986
166.4	101.126	13.5052	16.0724	103.595	13.2371	17.4296	664.397	633.457
166.5	98.1642	13.3502	16.2473	106.262	13.0197	17.5741	650.274	649.812
166.6	95.8456	13.1749	16.3697	105.5	12.7394	17.7007	634.896	655.081
166.7	93.144	12.9426	16.4562	99.1933	12.4101	17.7993	631.767	635.571
166.8	94.6182	12.6391	16.5285	97.6345	12.0873	17.873	628.63	612.568
166.9	94.7804	12.298	16.6489	92.3553	11.7822	17.9396	617.603	609.855
167	91.1235	11.9732	16.7242	90.1197	11.5473	17.9989	617.131	619.142
167.1	87.397	11.7022	16.7532	86.7366	11.3459	18.0282	608.982	630.769
167.2	85.0633	11.4782	16.8096	85.8717	11.1728	18.0302	617.357	632.492
167.3	83.6047	11.2927	16.7918	87.9089	11.0082	17.9698	613.023	629.129
167.4	80.4258	11.1113	16.7644	84.7655	10.8304	17.8093	621.829	620.41
167.5	81.4265	10.9297	16.6624	88.5531	10.6483	17.6072	645.71	608.214
167.6	81.6357	10.7525	16.5159	89.2498	10.4437	17.3769	644.664	620.191
167.7	79.0987	10.5684	16.3381	89.1851	10.2344	17.0961	653.712	628.226
167.8	78.8007	10.3785	16.1036	94.4599	10.06	16.8052	662.535	623.656
167.9	83.6247	10.1856	15.8051	94.3891	9.91106	16.512	661.863	622.948
168	85.1584	10.0147	15.5905	99.2901	9.80377	16.2542	660.589	611.692
168.1	85.1527	9.88368	15.3155	103.005	9.73458	16.0801	651.611	609.262
168.2	87.4603	9.78997	15.1199	103.727	9.71854	16.0741	645.391	609.321
168.3	92.8075	9.75013	14.9892	108.109	9.76766	16.2398	659.018	611.35
168.4	90.8394	9.76336	15.0165	107.918	9.86604	16.5491	648.813	613.153
168.5	88.2001	9.83443	15.2275	105.96	10.016	16.9689	670.688	599.24
168.6	90.0484	9.96241	15.5685	105.012	10.2028	17.5789	658.292	611.59
168.7	91.9826	10.1186	15.9502	98.8373	10.4022	18.316	648.292	627.672
168.8	86.394	10.2937	16.556	97.8572	10.6124	19.1702	662.249	637.586
168.9	88.2519	10.5027	17.2262	96.7325	10.8203	19.9819	663.206	647.857
169	92.9753	10.7302	18.0203	95.1316	10.9977	20.7449	677.871	649.789
169.1	93.2874	10.9401	18.7332	94.0152	11.1256	21.2867	699.475	655.902
169.2	92.9052	11.0948	19.3214	90.0936	11.2055	21.6473	708.714	660.243
169.3	93.5659	11.2124	19.7668	90.1675	11.2366	21.9377	731.506	667.547
169.4	94.983	11.2777	20.0279	92.068	11.2213	22.0401	718.544	670.048
169.5	93.7599	11.2772	20.2213	93.2106	11.1581	22.0414	736.833	657.913
169.6	93.818	11.2372	20.3452	95.4391	11.0736	21.9681	738.31	637.85
169.7	100.296	11.1782	20.2932	93.311	10.9912	21.7469	753.903	629.772
169.8	98.2939	11.0828	20.1891	89.0919	10.9388	21.6583	769.314	616.171
169.9	94.1227	10.9862	19.9892	86.03	10.9289	21.5155	755.371	591.291
170	90.4627	10.9448	19.8491	85.6271	10.9396	21.5134	746.082	579.168
170.1	85.2682	10.9576	19.8112	86.9649	10.9528	21.5975	721.737	579.993
170.2	81.9898	10.9755	19.8261	88.1103	10.9556	21.4888	698.498	589.323

170.3	83.4865	10.9825	19.875	90.3495	10.9703	21.5764	703.418	600.94
170.4	81.7141	10.9934	19.8477	91.9865	11.0123	21.4732	691.829	622.213
170.5	79.7982	11.0153	19.8557	92.753	11.0821	21.4954	692.912	639.725
170.6	75.8799	11.0689	19.8411	90.6886	11.1505	21.5072	688.934	645.475
170.7	79.3951	11.1436	19.8136	87.9562	11.1965	21.349	701.226	668.984
170.8	79.9432	11.2103	19.8187	88.7327	11.2001	21.3654	714.05	692.291
170.9	86.6229	11.2467	19.7988	88.1106	11.1651	21.3577	716.306	701.407
171	90.0393	11.2374	19.7704	85.3523	11.1153	21.2896	720.453	707.296
171.1	92.0549	11.1872	19.7269	82.6928	11.0716	21.36	718.384	716.473
171.2	91.8256	11.1295	19.7153	77.8316	11.0355	21.4497	721.249	709.426
171.3	92.9148	11.0905	19.7751	73.9976	10.9968	21.5806	728.517	693.902
171.4	94.658	11.0638	19.8699	71.3768	10.9286	21.5814	724.024	683.081
171.5	93.0794	11.0141	19.9858	73.0702	10.8258	21.6401	703.9	683.146
171.6	89.3306	10.9381	20.0195	76.4404	10.6954	21.6782	679.494	692.172
171.7	89.3283	10.8283	20.0285	76.1539	10.5625	21.505	667.817	695.044
171.8	87.6758	10.6952	20.021	75.1745	10.4388	21.3204	671.08	699.74
171.9	87.067	10.564	19.908	76.1613	10.3335	21.0718	693.065	676.313
172	86.9367	10.4487	19.7188	78.0998	10.2382	20.8195	711.393	695.292
172.1	86.6843	10.3555	19.514	80.0963	10.1476	20.5045	717.417	699.511
172.2	87.4698	10.2614	19.2706	81.3521	10.0635	20.286	733.205	702.895
172.3	87.6077	10.1726	19.003	83.2529	9.99096	20.1626	731.822	737.104
172.4	89.4171	10.0921	18.7853	83.2009	9.94622	20.011	725.818	729.538
172.5	89.5332	10.034	18.6804	84.8203	9.93408	19.9646	731.619	713.944
172.6	90.6974	9.99817	18.582	88.3328	9.96606	20.0363	739.446	711.223
172.7	95.5836	9.99126	18.5595	93.9947	10.0221	20.1793	737.096	702.045
172.8	95.9557	10.0183	18.6746	93.8602	10.0868	20.4888	714.843	724.675
172.9	96.0474	10.0748	18.862	94.3731	10.169	20.8166	693.759	714.866
173	97.939	10.1531	19.061	96.0873	10.2464	21.1616	667.438	719.416
173.1	99.0306	10.2397	19.3106	94.8614	10.3187	21.4112	649.336	706.714
173.2	97.4393	10.3154	19.634	92.7076	10.3743	21.6725	658.642	703.907
173.3	96.9952	10.3758	19.8553	95.4971	10.4292	21.9262	672.013	722.65
173.4	95.6437	10.4268	20.0637	91.4897	10.4753	22.1702	676.565	746.066
173.5	90.1509	10.4703	20.3181	86.468	10.4941	22.3471	668.893	749.318
173.6	82.7667	10.5009	20.4785	83.4685	10.5046	22.4271	660.326	751.181
173.7	80.9633	10.5254	20.5435	85.3624	10.5188	22.5118	659.599	728.464
173.8	77.9888	10.5428	20.6017	80.7795	10.5332	22.5629	664.083	702.56
173.9	76.2826	10.5512	20.6504	81.7273	10.5736	22.6406	677.752	692.864
174	78.8961	10.5662	20.7229	90.3018	10.626	22.7643	681.513	680.088
174.1	82.2231	10.6039	20.6597	96.1861	10.7021	22.7948	650.652	640.025
174.2	84.8431	10.6685	20.7357	96.0335	10.7913	22.8316	632.561	604.449
174.3	88.7944	10.7448	20.762	98.0733	10.8848	22.836	611.038	585.449
174.4	93.7116	10.842	20.7794	104.061	11.0074	22.8096	594.184	575.017
174.5	97.3063	10.9616	20.7854	106.926	11.1258	22.7034	612.048	559.031
174.6	101.117	11.0735	20.7499	108.816	11.2304	22.4817	615.094	554.815
174.7	104.68	11.1755	20.7057	115.18	11.3134	22.1815	609.762	574.333
174.8	106.668	11.2703	20.5412	113.697	11.3729	21.7703	600.463	586.785
174.9	106.912	11.3465	20.2343	108.408	11.4024	21.2944	589.375	605.984

175	107.516	11.3994	19.9865	109.254	11.3981	20.8513	618.49	633.4
175.1	108.989	11.4111	19.556	109.642	11.3539	20.3492	635.637	647.28
175.2	106.532	11.3889	19.1308	114.218	11.2786	19.9247	659.329	655.658
175.3	104.247	11.3319	18.7175	116.413	11.1875	19.5796	649.197	665.412
175.4	104.453	11.2463	18.4179	118.028	11.0935	19.3698	631.075	665.715
175.5	105.336	11.1562	18.1839	122.38	11.0002	19.235	623.737	659.265
175.6	106.914	11.0681	17.9726	123.406	10.9052	19.2894	643.927	642.796
175.7	105.596	10.9838	17.9623	124.205	10.8042	19.4341	642.98	632.954
175.8	102.164	10.8887	18.0147	124.854	10.6992	19.6071	636.601	607.76
175.9	101.535	10.7806	18.1064	119.215	10.5734	19.8571	640.053	586.955
176	101.022	10.6694	18.3692	116.981	10.436	20.1632	620.168	582.331
176.1	107.252	10.533	18.5812	108.574	10.2934	20.4391	613.263	563.94
176.2	109.083	10.3921	18.8207	102.289	10.135	20.635	628.809	560.154
176.3	106.769	10.2395	18.9803	99.346	9.97933	20.826	612.613	574.771
176.4	106.492	10.0945	19.1711	95.4285	9.83611	20.9376	599.234	580.303
176.5	103.696	9.94166	19.2802	95.1445	9.71245	20.9261	590.398	579.201
176.6	100.768	9.79526	19.279	95.3262	9.60941	20.8287	574.261	573.263
176.7	103.679	9.68977	19.2162	95.0018	9.53844	20.6719	577.838	583.559
176.8	102.65	9.61324	19.1458	96.7808	9.52012	20.4941	571.823	585.023
176.9	98.2063	9.56179	18.9703	99.6984	9.54022	20.2664	570.241	580.173
177	94.726	9.56998	18.8201	103.389	9.59648	20.0909	584.003	581.021
177.1	98.6154	9.61082	18.626	103.36	9.69883	20.0059	589.89	589.36
177.2	104.582	9.68081	18.5078	104.438	9.83596	19.8052	597.64	586.567
177.3	107.599	9.7928	18.4171	105.557	9.99654	19.8016	593.326	586.703
177.4	112.107	9.93438	18.3754	104.59	10.1674	19.8131	590.875	593.21
177.5	117.212	10.1018	18.383	106.404	10.3591	19.9752	607.034	617.544
177.6	114.137	10.2805	18.4565	107.644	10.5594	20.1914	602.355	630.943
177.7	110.47	10.4748	18.5502	105.209	10.7361	20.2812	601.559	642.71
177.8	110.831	10.6796	18.7029	101.99	10.8823	20.5943	603.687	664.348
177.9	108.823	10.8542	18.9108	100.913	10.9922	20.8255	592.967	691.2
178	102.845	10.9869	19.1586	104.221	11.0479	21.0636	604.578	693.355
178.1	101.35	11.073	19.3843	101.331	11.0469	21.4286	607.776	699.61
178.2	98.6437	11.1008	19.5805	97.6624	10.9996	21.5147	611.265	686.232
178.3	98.6896	11.0899	19.7367	95.6038	10.917	21.6487	615.276	683.11
178.4	98.8134	11.0249	19.8885	93.3791	10.7783	21.5641	617.501	659.67
178.5	99.2369	10.9097	19.9602	94.6262	10.5867	21.492	623.122	659.835
178.6	101.486	10.7491	19.9487	94.2552	10.3658	21.3697	639.107	645.698
178.7	104.601	10.5359	19.9086	92.0852	10.159	21.048	654.89	632.672
178.8	105.04	10.3192	19.7419	92.1713	9.95934	20.685	657.896	627.31
178.9	104.747	10.1107	19.468	86.5803	9.79593	20.3216	650.508	626.963
179	101.506	9.9292	19.1381	88.0765	9.67512	19.9321	654.322	628.077
179.1	98.7432	9.78376	18.7952	88.7791	9.58942	19.7356	664.595	664.408
179.2	92.6851	9.67059	18.5337	89.1487	9.54215	19.5672	664.562	682.767
179.3	89.46	9.59538	18.3146	83.838	9.53576	19.5398	665.353	728.014
179.4	86.2772	9.56392	18.1894	86.1578	9.58874	19.5851	668.887	718.566
179.5	84.4229	9.58108	18.1449	89.2604	9.69701	19.7551	663.347	721.696
179.6	83.096	9.65606	18.1529	92.0729	9.82881	20.0791	652.707	726.91

179.7	82.4163	9.77637	18.3522	88.9878	10.0021	20.4133	644.62	737.642
179.8	83.1084	9.92766	18.6101	91.013	10.1569	20.8132	645.917	727.186
179.9	82.6676	10.0925	18.958	90.7377	10.2945	21.2238	654.472	726.348
180	82.6568	10.2442	19.3279	90.4513	10.4144	21.4918	655.941	708.233
180.1	84.4256	10.3765	19.6537	92.2009	10.4879	21.7519	669.66	688.931
180.2	83.762	10.4897	19.9741	99.1624	10.5394	22.0107	684.314	661.557
180.3	82.8628	10.5641	20.2357	93.2987	10.5543	22.1341	689.329	666.995
180.4	81.5858	10.601	20.376	96.2844	10.5355	22.1768	689.204	682.909
180.5	84.0992	10.6025	20.4953	98.5987	10.4853	22.1656	695.793	688.157
180.6	85.7059	10.5678	20.489	98.1546	10.399	22.1115	688.1	672.53
180.7	85.1337	10.5061	20.5213	94.8393	10.3079	21.945	683.066	673.899
180.8	86.0253	10.4245	20.429	92.0466	10.2157	21.7167	687.63	672.079
180.9	85.6879	10.331	20.2645	91.3507	10.1224	21.5313	682.723	677.98
181	82.4981	10.2284	20.0772	89.0211	10.0565	21.2639	663.106	685.482
181.1	81.5829	10.1338	19.8407	86.1348	9.99489	20.9914	654.475	689.578
181.2	86.5294	10.0617	19.6069	86.7804	9.95694	20.8361	645.557	695.273
181.3	90.8876	10.0089	19.4512	84.0933	9.93454	20.6775	647.519	685.544
181.4	88.6756	9.96733	19.2371	80.6236	9.9453	20.5366	659.755	676.624
181.5	85.7131	9.95781	19.162	85.0644	9.9816	20.4848	685.489	694.907
181.6	83.0625	9.98316	19.0379	86.744	10.0397	20.5566	682.16	703.315
181.7	82.2251	10.022	18.997	91.9976	10.1129	20.6646	666.696	711.116
181.8	86.0568	10.0884	19.0647	94.9656	10.1929	20.7919	672.515	709.733
181.9	93.3039	10.175	19.1741	90.746	10.2812	21.0455	691.932	699.667
182	98.5951	10.259	19.3324	88.3988	10.3701	21.3263	678.353	692.171
182.1	99.6208	10.3532	19.5595	90.2777	10.4558	21.6486	674.929	688.549
182.2	98.9483	10.4495	19.8451	87.5612	10.536	22.013	664.483	697.239
182.3	100.398	10.539	20.1314	88.4664	10.5875	22.3682	660.163	692.797
182.4	101.869	10.6058	20.4142	86.1162	10.6213	22.6028	684.017	671.602
182.5	101.778	10.6447	20.6393	87.3656	10.6392	22.78	694.666	653.594
182.6	98.6961	10.6781	20.9074	85.9631	10.6248	22.9531	737.601	632.497
182.7	95.3516	10.6806	21.1228	86.1509	10.5877	23.0637	733.51	622.833
182.8	91.5196	10.6603	21.2453	91.8044	10.5335	23.0956	721.123	623.534
182.9	88.645	10.632	21.3135	95.9798	10.4697	23.0902	723.238	636.844
183	85.6142	10.5707	21.3605	97.7288	10.3998	22.9543	722.176	643.346
183.1	83.7963	10.4979	21.3266	104.105	10.3314	22.8254	744.382	636.636
183.2	82.9533	10.4209	21.2314	108.312	10.2726	22.7871	729.207	626.063
183.3	85.3679	10.3524	21.1514	111.892	10.2257	22.8383	709.734	620.994
183.4	90.3136	10.3003	21.1516	109.541	10.1993	22.8471	703.095	621.254
183.5	97.0249	10.2635	21.1468	107.739	10.1982	23.0022	661.262	625.847
183.6	98.5084	10.2511	21.1335	107.559	10.2227	23.1242	651.048	637.938
183.7	100.074	10.2561	21.2405	104.47	10.2648	23.2277	646.027	635.721
183.8	104.576	10.281	21.3705	101.063	10.3168	23.4298	671.113	603.725
183.9	108.566	10.3173	21.538	99.2272	10.3819	23.6315	686.418	583.77
184	110.441	10.376	21.686	98.3632	10.4623	23.8519	667.626	588.253
184.1	115.709	10.4619	21.8858	96.9664	10.5646	23.9972	673.526	604.344
184.2	116.119	10.5474	22.0587	95.5004	10.6779	24.1396	674.242	614.68
184.3	115.77	10.6544	22.1579	97.0609	10.8043	24.1749	676.332	620.235

184.4	113.996	10.7651	22.2558	97.5715	10.9318	24.1091	678.193	620.267
184.5	113.23	10.8926	22.2781	98.4658	11.0393	24.1117	689.699	624.919
184.6	116.071	11.0326	22.2309	100.719	11.1424	24.2129	689.21	627.176
184.7	109.783	11.1453	22.2246	101.833	11.2355	24.2249	671.93	639.55
184.8	104.214	11.2478	22.2246	102.566	11.3007	24.3212	644.509	649.546
184.9	102.377	11.3343	22.2597	100.171	11.3384	24.3108	632.737	643.229
185	93.4014	11.3842	22.284	97.9847	11.3247	24.3052	627.625	642.267
185.1	87.5501	11.4023	22.2643	95.5532	11.2671	24.1912	619.024	644.105
185.2	87.5871	11.3768	22.1972	91.1271	11.1591	24.161	612.359	642.798
185.3	83.5433	11.3174	22.0835	87.9871	11.0117	23.9481	620.116	632.979
185.4	81.9969	11.1891	22.0122	85.0035	10.8396	23.5743	630.551	617.067
185.5	75.0147	11.0142	21.8526	83.1237	10.6235	23.0274	630.863	632.82
185.6	76.9732	10.8167	21.4728	80.3871	10.3984	22.4189	626.131	638.696
185.7	80.1719	10.6103	21.0112	76.1109	10.1767	21.7469	634.782	639.094
185.8	76.2798	10.3801	20.4802	73.118	9.96752	21.0323	639.653	650.153
185.9	78.4944	10.1648	19.9146	72.8653	9.80467	20.3785	637.974	645.401
186	83.5193	9.97581	19.4067	77.3222	9.67803	19.8349	637.688	636.463
186.1	81.2686	9.81348	18.9036	85.2663	9.60383	19.39	646.431	649.883
186.2	80.7308	9.69339	18.5076	86.3718	9.59234	19.2192	655.544	666.524
186.3	82.1669	9.64455	18.1937	86.6559	9.65985	19.3467	664.108	660.293
186.4	83.4245	9.66467	18.1577	87.6016	9.78659	19.7091	663.715	643.414
186.5	81.0278	9.74752	18.3353	90.5006	9.95908	20.2623	653.049	643.423
186.6	79.6233	9.88149	18.7123	92.9337	10.1802	21.0913	652.304	645.146
186.7	86.2227	10.0837	19.3232	96.1608	10.4421	22.0919	656.489	620.932
186.8	90.3179	10.3298	20.0459	98.1268	10.7087	23.0136	658.194	632.083
186.9	89.6876	10.5969	20.8782	93.3491	10.979	23.9948	658.33	620.402
187	88.3086	10.8692	21.6993	90.3855	11.2125	24.87	638.626	606.768
187.1	86.9332	11.1312	22.4892	90.5817	11.408	25.5941	608.535	596.363
187.2	87.8253	11.3569	23.193	93.4258	11.5377	26.1938	585.556	603.281
187.3	90.3545	11.5318	23.6765	92.0912	11.6174	26.5226	586.016	594.376
187.4	92.2741	11.65	24.0898	92.1937	11.6425	26.6449	602.052	598.679
187.5	93.4908	11.7034	24.3776	97.0743	11.6242	26.507	599.771	594.696
187.6	92.1499	11.7014	24.4018	98.9485	11.5576	26.1685	590.4	605.236
187.7	90.8245	11.6472	24.299	106.423	11.4492	25.8279	588.144	598.502
187.8	90.9096	11.5646	23.9333	113.4	11.3289	25.4191	599.009	620.995
187.9	94.8339	11.465	23.7007	114.743	11.2281	24.9653	626.142	631.001
188	99.0717	11.3551	23.3488	116.772	11.1412	24.444	637.668	634.589
188.1	97.8918	11.2554	23.008	119.625	11.0711	23.8825	650.042	637.208
188.2	94.1672	11.1719	22.6529	118.907	11.0413	23.3773	665.783	656.945
188.3	96.189	11.1156	22.1908	116.826	11.0315	22.8959	661.039	654.572
188.4	99.8287	11.0943	21.7286	114.556	11.0528	22.5097	663.444	650.006
188.5	100.947	11.1112	21.3526	115.244	11.1087	22.2298	683.084	654.192
188.6	100.757	11.1566	20.9794	112.339	11.1874	21.9435	679.962	652.933
188.7	100.622	11.2146	20.7363	107.435	11.2627	21.6816	674.204	640.328
188.8	100.078	11.2845	20.3982	104.804	11.3368	21.5196	670.512	649.521
188.9	97.5341	11.3563	20.1932	105.876	11.3955	21.489	687.217	656.706
189	100.81	11.4286	20.0584	100.647	11.4371	21.5126	662.395	639.982

189.1	104.933	11.4865	20.0055	102.272	11.4571	21.6261	640.685	621.247
189.2	99.9693	11.5273	20.0759	102.144	11.4431	21.7426	638.558	620.347
189.3	96.4967	11.542	20.1452	97.8286	11.3708	21.8282	645.95	620.53
189.4	94.4412	11.5153	20.2056	94.1608	11.2559	21.8029	625.199	615.532
189.5	93.3731	11.4286	20.2732	86.2493	11.1014	21.7185	632.134	615.688
189.6	93.2582	11.3005	20.3145	83.738	10.9018	21.5332	621.605	617.486
189.7	96.7144	11.126	20.2762	81.6917	10.6753	21.2262	601.048	599.631
189.8	99.4665	10.9112	20.0541	75.7256	10.4432	20.7466	576.59	580.541
189.9	96.5783	10.6771	19.7263	76.0326	10.2013	20.205	574.463	591.629
190	96.8005	10.4233	19.2805	75.4987	9.9565	19.6145	582.184	607.908
190.1	98.7128	10.1862	18.7754	78.1818	9.72227	19.0173	580.643	611.339
190.2	95.0109	9.93972	18.2316	80.2879	9.50841	18.3374	581.959	611.978
190.3	92.9094	9.6893	17.692	80.0821	9.30668	17.7651	569.721	621.365
190.4	92.5565	9.4776	17.1207	82.4302	9.14409	17.2273	566.804	621.406
190.5	90.4465	9.28301	16.5947	83.4793	9.0277	16.7976	575.823	630.701
190.6	89.8597	9.14563	16.1465	87.6095	8.94383	16.4223	577.242	649.154
190.7	90.018	9.04037	15.7729	92.7673	8.88689	16.122	579.563	662.812
190.8	91.6791	8.96292	15.458	97.2698	8.84878	15.908	587.212	654.388
190.9	88.4404	8.92298	15.226	99.6397	8.82953	15.6975	592.271	648.148
191	89.7185	8.89465	15.0307	101.017	8.82754	15.5214	616.278	655.802
191.1	96.7259	8.87924	14.8557	105.422	8.84046	15.439	619.156	665.652
191.2	95.4314	8.88024	14.7229	110.322	8.85903	15.3292	623.448	653.818
191.3	95.554	8.89858	14.6246	114.611	8.88201	15.2217	610.01	656.233
191.4	92.2834	8.92656	14.5206	116.542	8.90372	15.1249	610.649	627.106
191.5	88.8733	8.94076	14.4277	115.714	8.91498	15.0727	615.696	603.968
191.6	96.1051	8.96355	14.3862	113.967	8.91472	15.0768	625.765	606.281
191.7	96.9539	8.97477	14.3632	112.792	8.91109	14.9814	634.78	615.418
191.8	99.3261	8.97376	14.3166	114.344	8.91389	14.9033	638.869	616.659
191.9	97.305	8.97302	14.2739	114.166	8.91182	14.8585	629.105	616.718
192	93.9349	8.97752	14.231	110.056	8.90874	14.8095	624.91	603.8
192.1	94.6943	8.98661	14.1848	108.387	8.91948	14.7788	634.136	610.008
192.2	95.0825	8.9949	14.1518	105.637	8.92175	14.7703	638.502	619.039
192.3	100.666	9.00329	14.1523	105.155	8.91901	14.7184	637.535	659.474
192.4	95.7166	9.00861	14.1347	106.549	8.92026	14.6282	634.697	666.747
192.5	87.9923	9.00409	14.0513	106.387	8.93065	14.5424	631.885	678.732
192.6	85.3654	9.00234	13.9701	107.482	8.95178	14.4493	622.597	658.331
192.7	89.5032	9.02086	13.8802	103.84	8.97651	14.3957	608.268	638.28
192.8	88.9557	9.03565	13.7901	99.1942	9.0023	14.2577	611.576	630.614
192.9	91.6318	9.05953	13.6767	98.8377	9.02435	14.1155	613.243	639.416
193	97.3143	9.07773	13.5639	97.1349	9.03629	14.0088	608.31	633.781
193.1	97.6773	9.09523	13.4621	99.828	9.04819	13.88	602.543	623.605
193.2	99.7535	9.10092	13.342	99.6279	9.0595	13.8051	598.713	581.609
193.3	103.216	9.10807	13.2371	99.8423	9.07103	13.7415	598.827	593.795
193.4	104.288	9.12078	13.1873	99.1837	9.07274	13.6855	587.42	564.713
193.5	104.841	9.13586	13.1252	96.8922	9.06457	13.6309	582.346	600.38
193.6	101.554	9.13284	13.0863	101.557	9.02969	13.559	579.282	607.344
193.7	104.204	9.11454	13.0252	108.04	8.9876	13.4821	546.19	595.881

193.8	101.733	9.07687	12.9886	107.413	8.92569	13.3944	536.477	575.651
193.9	94.6905	9.01815	12.8996	109.824	8.84401	13.2882	538.095	560.376
194	92.7552	8.94632	12.7928	112.424	8.761	13.1743	539.98	561.255
194.1	91.1086	8.87086	12.6761	112.419	8.67416	13.0472	530.399	557.88
194.2	89.6918	8.78805	12.5758	111.683	8.58742	12.9467	524.907	539.296
194.3	87.9649	8.70188	12.4674	113.242	8.50763	12.8327	544.405	546.77
194.4	87.0698	8.61258	12.3733	112.523	8.43652	12.7244	560.418	539.148
194.5	86.0247	8.53611	12.2619	106.256	8.37862	12.6205	561.572	547.494
194.6	82.1637	8.46927	12.1647	102.999	8.33021	12.5441	577.163	558.864
194.7	81.53	8.41637	12.064	100.224	8.28761	12.4686	585.332	573.686
194.8	86.8758	8.37628	12.0134	99.6332	8.25128	12.3761	592.658	600.412
194.9	87.7588	8.33689	11.9395	96.8768	8.22351	12.2875	595.928	599.183
195	87.6558	8.30593	11.8709	97.3754	8.19979	12.1855	599.101	617.248
195.1	89.5386	8.2735	11.7699	99.9986	8.17901	12.0482	611.727	633.006
195.2	89.5511	8.24968	11.6645	98.3931	8.17269	11.8959	603.494	645.1
195.3	89.9902	8.23794	11.529	98.7787	8.15702	11.7504	599.246	641.982
195.4	94.8433	8.23133	11.3861	98.878	8.1334	11.6411	610.447	643.441
195.5	99.8019	8.22085	11.266	96.0144	8.10689	11.5593	619.436	643.782
195.6	99.106	8.19452	11.1637	95.8865	8.08817	11.5204	635.311	643.311
195.7	95.2884	8.17122	11.0953	95.2554	8.08357	11.5353	644.525	654.399
195.8	94.9906	8.14979	11.0701	97.4558	8.08343	11.6149	656.518	656.641
195.9	96.1556	8.13962	11.0973	96.5774	8.09973	11.7759	666.906	683.342
196	99.034	8.15486	11.1988	94.8814	8.12052	12.0451	676.835	699.765
196.1	102.781	8.17527	11.3657	96.9084	8.13355	12.3921	694.193	703.667
196.2	107.358	8.19188	11.6544	101.189	8.1442	12.7868	679.216	714.357
196.3	105.1	8.19929	12.0164	108.858	8.15765	13.1743	704.531	733.97
196.4	103.819	8.20746	12.3788	114.838	8.17263	13.5555	697.189	758.962
196.5	104.006	8.22041	12.7302	117.95	8.19066	13.956	684.122	761.543
196.6	105.622	8.2379	13.066	118.574	8.20895	14.3763	686.114	764.396
196.7	107.493	8.2635	13.4233	118.891	8.2274	14.7872	696.791	777.88
196.8	105.113	8.28775	13.7945	121.756	8.2479	15.1395	720.539	766.674
196.9	104.664	8.30736	14.1686	122.962	8.28569	15.4185	724.403	758.112
197	105.693	8.33024	14.4865	120.368	8.36497	15.7657	720.218	753.137
197.1	100.62	8.37686	14.7259	116.075	8.49156	16.1494	748.495	744.903
197.2	97.6588	8.47527	15.0136	109.088	8.66228	16.6688	739.289	729.698
197.3	95.3635	8.61292	15.3517	103.985	8.87345	17.2819	752.147	721.077
197.4	95.5653	8.79891	15.8406	99.01	9.11499	17.9237	759.773	729.128
197.5	93.8036	9.02946	16.3989	96.9538	9.38715	18.6739	757.833	732.908
197.6	92.7526	9.28819	17.0307	93.7697	9.69094	19.342	768.468	743.625
197.7	92.6052	9.57787	17.645	89.2207	9.99966	20.092	768.364	755.201
197.8	87.3314	9.90351	18.2313	86.4281	10.2858	20.8393	755.016	765.727
197.9	85.3331	10.2267	18.8715	85.3264	10.5112	21.4514	752.078	770.073
198	88.2414	10.4945	19.5276	82.1622	10.6551	21.9188	763.276	768.372
198.1	90.7231	10.6964	20.0169	81.3881	10.7238	22.2012	775.119	768.436
198.2	91.0242	10.8194	20.3806	82.4992	10.7285	22.2479	785.341	762.139
198.3	92.2869	10.8615	20.5028	80.5286	10.6885	22.0085	805.761	745.702
198.4	96.0951	10.8397	20.4489	77.5331	10.5987	21.583	788.771	741.897

198.5	94.4577	10.7691	20.1502	78.395	10.4511	21.1042	776.156	734.494
198.6	96.7079	10.6438	19.7565	80.8622	10.2708	20.5043	793.136	731.626
198.7	102.609	10.4674	19.3067	83.2657	10.0561	19.8408	807.123	735.5
198.8	102.434	10.2508	18.7538	84.9631	9.84353	19.1332	813.565	754.286
198.9	97.9642	10.0326	18.1639	88.662	9.65873	18.6016	799.456	773.444
199	96.2055	9.81609	17.6455	88.7379	9.51538	18.1346	791.486	772.697
199.1	96.56	9.64391	17.2315	93.8126	9.40349	17.941	783.979	792.286
199.2	93.5876	9.51254	16.9626	98.0823	9.30923	18.0023	768.284	804.806
199.3	89.087	9.41063	16.8789	97.6846	9.2347	18.1318	783.091	810.571
199.4	88.2154	9.3257	16.9701	96.7067	9.17621	18.4374	793.23	819.526
199.5	86.3232	9.25966	17.1372	94.7104	9.12974	18.7646	781.254	819.071
199.6	80.0035	9.20389	17.3834	93.6283	9.09751	19.0891	783.265	807.273
199.7	78.999	9.17094	17.6845	93.6699	9.07736	19.4463	798.7	811.919
199.8	82.7757	9.151	17.9879	93.1009	9.0684	19.7653	815.881	804.318
199.9	82.6316	9.13827	18.2626	93.9541	9.04722	19.9634	825.126	818.896
200	83.9519	9.12726	18.4956	88.7133	9.02798	20.0668	834.18	813.979
200.1	84.9367	9.10474	18.6504	89.9759	9.00012	20.1016	850.779	830.51
200.2	89.6239	9.07625	18.7341	93.5788	8.98063	20.1004	848.839	815.952
200.3	88.4559	9.05747	18.7668	91.2808	8.98361	20.0822	822.164	799.153
200.4	89.9429	9.04522	18.788	92.3337	9.0169	20.0551	811.46	797.862
200.5	89.9059	9.05559	18.7416	92.7446	9.09567	20.1286	800.665	807.843
200.6	90.5731	9.10938	18.7446	90.8464	9.2033	20.2354	776.744	789.277
200.7	87.0364	9.19986	18.7788	88.6177	9.34301	20.4559	751.929	803.819
200.8	87.825	9.32006	18.9044	90.8435	9.49973	20.7918	741.396	804.427
200.9	88.205	9.46636	19.1064	96.9261	9.65962	21.18	723.339	800.776
201	88.9553	9.62918	19.4113	95.9602	9.82418	21.6939	727.948	781.249
201.1	86.6282	9.79387	19.8054	92.8607	9.97882	22.1743	734.441	802.204
201.2	89.8439	9.94687	20.2256	96.163	10.1125	22.6284	739.853	809.24
201.3	93.3927	10.0984	20.6576	94.8467	10.2071	23.0672	744.484	798.851
201.4	95.8809	10.2268	21.0929	91.8109	10.2635	23.3709	772.301	793.22
201.5	95.6338	10.3054	21.3363	99.1398	10.2876	23.5148	783.486	776.685
201.6	95.8242	10.3446	21.6202	101.587	10.2367	23.4388	800.159	762.646
201.7	94.628	10.3329	21.6851	101.816	10.1446	23.2932	802.099	749.2
201.8	95.1309	10.2682	21.6059	92.7077	10.009	23.0792	809.016	768.215
201.9	97.4674	10.1579	21.4197	91.4094	9.85613	22.689	786.624	780.178
202	99.1991	10.0173	21.0895	90.1452	9.68815	22.2747	793.366	784.666
202.1	98.0086	9.8593	20.8026	87.4994	9.52134	21.8486	811.065	812.784
202.2	98.2457	9.68667	20.4417	91.198	9.35857	21.4442	807.884	809.535
202.3	99.268	9.51518	20.0603	91.4158	9.1968	21.105	788.247	834.6
202.4	100.245	9.3482	19.7869	87.7041	9.03734	20.7868	774.26	867.217
202.5	100.249	9.18766	19.4326	87.9802	8.91718	20.4888	793.438	885.184
202.6	99.7602	9.05247	19.2085	87.0117	8.8278	20.1815	806.882	893.852
202.7	97.7045	8.94104	19.0074	92.2277	8.76423	19.87	816.54	889.683
202.8	96.6018	8.86044	18.6987	94.1322	8.71833	19.6071	824.107	871.736
202.9	99.8342	8.80813	18.5074	96.8415	8.67993	19.4404	813.531	846.093
203	102.027	8.7698	18.2472	97.9727	8.6293	19.3081	792.695	837.934
203.1	101.805	8.72318	18.112	94.861	8.57701	19.1681	779.072	851.687

203.2	100.858	8.66899	18.0095	96.2599	8.53164	19.1073	777.245	834.987
203.3	98.546	8.61459	17.8791	94.7621	8.49084	19.0908	793.717	818.009
203.4	100.814	8.56803	17.8295	93.0371	8.44341	19.1028	767.334	795.853
203.5	100.905	8.51664	17.7827	90.0647	8.3925	19.0996	750.356	786.014
203.6	102.899	8.46761	17.7464	87.3885	8.33229	19.1485	736.225	779.155
203.7	102.041	8.4156	17.8223	88.7608	8.26548	19.1891	720.545	796.922
203.8	97.4186	8.34372	17.8446	90.4761	8.20391	19.1636	726.235	795.859
203.9	96.9951	8.27481	17.8642	90.1155	8.16633	19.1652	747.66	767.762
204	94.672	8.21994	17.8495	89.1421	8.15956	19.2372	753.375	752.506
204.1	93.8339	8.19198	17.8913	88.4652	8.17928	19.3237	754.97	740.089
204.2	94.2054	8.20117	17.9693	88.8435	8.2317	19.5217	760.897	733.255
204.3	92.855	8.23354	18.0875	89.6578	8.31661	19.8325	740.212	726.933
204.4	96.5491	8.29982	18.3031	92.1441	8.4443	20.3034	734.094	715.504
204.5	94.1341	8.39845	18.6685	91.5194	8.60307	20.6933	737.549	702.504
204.6	96.3893	8.5393	19.0546	86.9916	8.77987	21.1982	748.774	698.933
204.7	101.538	8.71354	19.5047	82.3927	8.97862	21.6811	729.84	706.031
204.8	101.079	8.90267	19.9441	83.112	9.18275	22.0861	717.148	701.318
204.9	104.755	9.11036	20.3044	85.2549	9.37447	22.271	705.933	700.732
205	109.446	9.3293	20.5645	85.9736	9.53929	22.2295	679.805	702.402
205.1	110.552	9.51108	20.684	86.1963	9.68213	22.062	650.707	702.033
205.2	106.431	9.67238	20.6055	84.0545	9.80897	21.7576	659.748	708.71
205.3	101.199	9.81416	20.437	84.8969	9.91966	21.4026	653.243	729.02
205.4	102.661	9.94352	20.1791	86.6396	10.0407	21.1887	646.828	751.168
205.5	105.095	10.06	19.9114	86.9824	10.1652	20.9657	643.114	749.329
205.6	99.9119	10.1844	19.6436	87.4656	10.3061	20.7846	657.75	748.222
205.7	95.1514	10.3187	19.4808	84.0293	10.4763	20.7791	669.254	758.383
205.8	93.5632	10.4724	19.4609	80.6229	10.6706	20.9038	687.023	764.934
205.9	93.3841	10.6526	19.5238	78.1318	10.8783	21.2846	708.526	755.414
206	90.997	10.872	19.7243	77.7297	11.0824	21.6839	744.552	774.906
206.1	91.7409	11.0955	20.0205	80.516	11.2398	22.0658	767.473	786.921
206.2	93.6963	11.2743	20.3258	80.0219	11.3611	22.4974	791.976	784.461
206.3	95.3778	11.43	20.6625	82.8184	11.494	22.7666	816.396	796.874
206.4	88.5761	11.5514	20.9522	87.1305	11.6753	22.9804	834.796	804.56
206.5	92.0759	11.7016	21.2142	86.1458	11.9392	23.2309	841.154	817.452
206.6	88.3484	11.9038	21.4196	87.0209	12.3326	23.3388	852.386	851.054
206.7	84.8522	12.1985	21.5643	85.9218	12.9519	23.5441	875.327	870.421
206.8	80.1474	12.6566	21.6962	84.8001	13.764	23.5101	885.947	907.531
206.9	80.9814	13.3418	21.8286	80.385	14.7578	23.468	879.37	938.223
207	83.9294	14.2176	21.9182	77.9566	15.971	23.3107	886.181	957.376
207.1	82.5563	15.3217	21.8288	76.3886	17.4769	22.9308	896.424	978.376
207.2	80.952	16.6914	21.6034	74.7555	19.1955	22.5577	916.176	988.219
207.3	84.8359	18.3271	21.2766	71.9784	20.9504	22.1331	948.986	1010.99
207.4	78.2279	20.1189	20.8846	74.798	22.5479	21.768	988.588	1046.39
207.5	78.2946	21.9276	20.4813	76.1164	23.7805	21.5776	1009.7	1071.6
207.6	78.6713	23.4679	20.2137	77.1697	24.3473	21.5869	1033.94	1096.01
207.7	81.5063	24.4981	20.0629	78.8403	24.328	21.8339	1063.77	1100.81
207.8	84.9306	24.8793	20.098	81.4395	23.8217	22.2441	1078.29	1092.13

207.9	81.7439	24.6729	20.3146	78.1842	22.9425	22.8234	1097.1	1095.16
208	79.0562	24.0063	20.7431	76.7806	21.6728	23.4848	1120.93	1087.81
208.1	74.0872	22.9332	21.2865	75.013	20.0574	24.1836	1119.7	1093.85
208.2	72.6002	21.5052	21.907	76.5559	18.3054	24.7994	1097.52	1081.89
208.3	78.9503	19.7931	22.4333	75.9746	16.5403	25.3004	1087.49	1072.89
208.4	82.1661	17.9455	23.0084	75.5679	14.9041	25.6525	1100.23	1054
208.5	83.0433	16.1824	23.3441	78.0783	13.6135	25.7547	1082.41	1030.3
208.6	82.9119	14.636	23.5582	75.9977	12.6451	25.643	1079.9	1023.2
208.7	85.1915	13.4455	23.5501	80.0806	11.9485	25.3757	1094.75	1008.23
208.8	87.245	12.5972	23.3546	81.563	11.4177	25.0664	1089.61	1017.84
208.9	87.6911	11.9511	23.1292	83.0578	10.9862	24.6971	1090.41	1017.79
209	88.8065	11.441	22.8228	82.2056	10.6284	24.3273	1100.31	1022.66
209.1	87.0334	11.0198	22.5209	79.6346	10.3097	24.0623	1113.14	1045.9
209.2	85.6812	10.6656	22.2458	81.0539	10.042	23.7899	1101.52	1048.35
209.3	84.4742	10.3523	21.8794	82.0749	9.85973	23.5056	1088.02	1057.79
209.4	84.4714	10.104	21.6918	79.7935	9.76728	23.3189	1087.92	1061.07
209.5	81.2274	9.95487	21.5315	83.4061	9.77464	23.2382	1075.5	1062.33
209.6	77.8646	9.87842	21.4006	78.4741	9.82946	23.1441	1083.3	1069.87
209.7	80.3136	9.88323	21.3231	79.0306	9.90684	23.0802	1082.31	1042.08
209.8	84.7921	9.94696	21.2565	78.9985	9.99673	23.0812	1062.66	1028.57
209.9	85.7837	10.0297	21.1083	76.8735	10.0929	22.9558	1042.84	1019.05
210	83.2077	10.1186	20.9888	76.7003	10.1979	22.7332	1055.77	1010.68
210.1	81.8669	10.2138	20.9774	74.0692	10.3152	22.5147	1076.28	1007.5
210.2	81.5978	10.3216	20.8327	72.1845	10.4323	22.1945	1074.36	1006.77
210.3	79.8707	10.439	20.6077	74.6163	10.5382	21.8292	1069.14	1021.29
210.4	83.6092	10.5551	20.3201	73.261	10.6121	21.4886	1066.33	1038.53
210.5	81.135	10.6646	20.0154	75.6885	10.6624	21.1825	1049.52	1060.09
210.6	79.7507	10.7327	19.7045	80.3429	10.6768	20.8283	1064.59	1082.71
210.7	77.9289	10.7631	19.4337	82.879	10.6558	20.4935	1091.6	1087
210.8	78.1157	10.7616	19.1654	84.6315	10.6173	20.3271	1114.31	1092.67
210.9	80.2599	10.735	18.9457	84.5581	10.5553	20.1248	1147.92	1108.38
211	86.5062	10.6903	18.7079	87.8992	10.4591	19.9043	1164.75	1095.17
211.1	89.0606	10.6236	18.5206	91.4145	10.3327	19.7184	1156.43	1078.81
211.2	90.6513	10.5141	18.3075	94.8384	10.1776	19.4473	1159.32	1076.68
211.3	85.5673	10.376	18.1167	97.6291	9.98768	19.0555	1192.77	1071.78
211.4	84.924	10.1933	17.8554	99.2018	9.7756	18.6597	1221.33	1064.3
211.5	83.0859	9.99103	17.5393	96.9398	9.56064	18.1753	1221.33	1076.88
211.6	84.2583	9.77228	17.1587	95.0215	9.3461	17.6483	1210.47	1087.73
211.7	86.555	9.55502	16.7792	94.2436	9.14094	17.0629	1200.02	1087.45
211.8	86.4101	9.34608	16.3118	95.3102	8.96036	16.4639	1175.28	1074.79
211.9	81.5005	9.14173	15.8099	94.1731	8.81634	15.844	1159.64	1079.87
212	84.6879	8.96939	15.2997	89.4555	8.71451	15.237	1159.81	1088.36
212.1	86.1902	8.83997	14.7668	84.6974	8.65981	14.6848	1175.62	1080.11
212.2	86.8309	8.74586	14.23	81.8091	8.65607	14.1661	1137.21	1045.9
212.3	90.6455	8.70921	13.7377	78.8126	8.69978	13.6729	1089.33	1023.08
212.4	91.8478	8.71926	13.2771	77.874	8.79335	13.2595	1071.62	997.685
212.5	92.4824	8.77899	12.8435	79.1748	8.94341	12.8748	1047.47	977.721

212.6	92.5175	8.88511	12.4683	80.1137	9.12323	12.5361	1019.41	936
212.7	95.1739	9.03753	12.1379	82.4433	9.30522	12.2367	979.328	902.577
212.8	92.3158	9.21268	11.8437	86.0651	9.47679	11.9918	956.308	885.195
212.9	90.0186	9.39667	11.5895	89.6069	9.61262	11.7351	938.218	844.186
213	87.5013	9.55325	11.3581	90.0081	9.70048	11.4822	890.171	819.29
213.1	90.9665	9.67879	11.1321	91.2748	9.71256	11.2169	860.823	785.312
213.2	91.0775	9.74155	10.8934	92.8555	9.64001	10.8986	830.478	766.825
213.3	92.3448	9.72554	10.6391	92.2141	9.48937	10.5455	784.586	749.539
213.4	90.8889	9.62969	10.3427	97.1514	9.26152	10.1341	748.815	713.033
213.5	90.0744	9.45436	9.99581	98.43	8.96769	9.67756	717.648	688.789
213.6	89.9829	9.20994	9.60453	93.3825	8.63138	9.19795	685.667	673.744
213.7	93.5397	8.90433	9.16571	91.7465	8.26524	8.724	646.481	670.069
213.8	93.1395	8.55379	8.71816	90.6894	7.89577	8.25516	631.608	652.605
213.9	90.6841	8.18948	8.27285	88.7281	7.53763	7.8186	623.122	656.059
214	91.2394	7.82261	7.84727	87.6213	7.21602	7.43219	612.71	676.051
214.1	95.4222	7.47748	7.45584	89.1042	6.94728	7.10528	631.488	669.306
214.2	97.1555	7.17436	7.10382	90.6817	6.72298	6.8341	655.518	656.576
214.3	100.659	6.91565	6.80752	83.1981	6.54279	6.63942	652.586	678.53
214.4	101.645	6.70607	6.5832	85.2647	6.40782	6.49965	665.979	686.994
214.5	100.138	6.53754	6.41709	83.9319	6.30583	6.4029	687.821	705.657
214.6	98.3103	6.4104	6.30305	81.2827	6.23976	6.33053	711.511	690.682
214.7	100.163	6.31683	6.21919	80.6543	6.19798	6.28519	724.348	715.011
214.8	103.564	6.25631	6.15517	81.2694	6.17676	6.26664	743.629	707.583
214.9	102.461	6.21774	6.12157	87.4029	6.1838	6.26801	765.243	714.043
215	99.3073	6.20161	6.10331	84.8186	6.21372	6.29884	759.211	753.976
215.1	96.3355	6.21544	6.11926	88.3796	6.25486	6.35067	758.332	778.244
215.2	92.1106	6.25084	6.15153	90.5381	6.3139	6.42702	780.117	788.639
215.3	89.8194	6.29858	6.20686	91.9298	6.39545	6.53981	766.832	806.989
215.4	88.4719	6.36577	6.28582	98.5522	6.49063	6.67686	770.333	815.946
215.5	89.1299	6.45395	6.39838	99.2783	6.59267	6.83579	756.983	848.311
215.6	88.0656	6.55278	6.53644	102.855	6.69047	7.0013	760.986	851.857
215.7	87.3588	6.6535	6.68736	104.391	6.78286	7.16986	776.123	864.874
215.8	88.6417	6.75337	6.85437	99.0893	6.86415	7.33732	777.105	863.469
215.9	90.4282	6.84587	7.01932	101.02	6.93196	7.47196	772.936	838.746
216	89.4071	6.9241	7.16822	95.6502	6.97864	7.57837	771.74	834.49
216.1	89.4588	6.98181	7.2945	100.726	7.00452	7.65546	776.126	834.053
216.2	91.2366	7.02476	7.3881	100.808	7.01186	7.69476	781.25	828.544
216.3	90.0686	7.04672	7.45263	99.1387	7.00876	7.70012	783.013	816.684
216.4	88.5687	7.05039	7.48406	96.8978	6.99045	7.6794	785.509	816.849
216.5	88.7968	7.04005	7.47781	97.1783	6.9677	7.6493	757.329	816.997
216.6	87.4357	7.01771	7.45392	100.887	6.94017	7.61155	752.056	818.66
216.7	82.2766	6.9893	7.40867	102.533	6.91297	7.57203	733.73	818.801
216.8	84.619	6.95581	7.36911	104.031	6.89748	7.54542	738.7	822.302
216.9	89.4521	6.92694	7.33089	106.131	6.90236	7.53212	733.123	818.146
217	89.2759	6.9165	7.31027	106.723	6.9249	7.53214	733.939	812.111
217.1	89.4519	6.92017	7.28938	103.164	6.95712	7.54608	743.718	813.994
217.2	91.6685	6.94049	7.29517	103.992	6.98845	7.58967	725.352	819.892

217.3	93.5296	6.97139	7.32317	109.672	7.01854	7.64207	733.913	820.255
217.4	92.0085	7.00108	7.363	109.464	7.04143	7.69411	764.684	828.169
217.5	94.6616	7.02668	7.41444	108.542	7.06035	7.74618	745.48	839.044
217.6	93.972	7.04881	7.46228	105.804	7.07648	7.78838	756.497	863.86
217.7	90.7248	7.07229	7.50702	101.066	7.08277	7.83418	755.496	877.901
217.8	86.7774	7.08362	7.54563	98.7701	7.07181	7.87192	762.033	883.91
217.9	86.0209	7.08402	7.58478	99.8729	7.03967	7.91339	766.768	889.739
218	90.1355	7.06926	7.62851	103.552	6.99242	7.9396	787.315	878.13
218.1	89.7463	7.03391	7.6537	99.5743	6.94459	7.93919	796.496	866.385
218.2	89.7617	6.98044	7.66145	93.0105	6.905	7.92171	786.535	850.007
218.3	90.647	6.9337	7.66653	89.4124	6.88342	7.88788	786.521	828.955
218.4	90.3482	6.89834	7.64918	87.4985	6.87314	7.84038	793.196	811.732
218.5	91.121	6.87885	7.6118	89.6785	6.85601	7.79623	801.435	779.035
218.6	89.9459	6.86561	7.57215	91.4175	6.82984	7.75504	801.967	763.452
218.7	92.7798	6.85406	7.53403	92.4295	6.80378	7.70584	793.439	772.442
218.8	95.848	6.82592	7.49412	92.8004	6.80494	7.64372	773.706	765.204
218.9	93.2952	6.80498	7.44402	93.6683	6.85538	7.56929	749.99	757.214
219	97.3197	6.8201	7.3839	95.8124	6.95418	7.50449	737.124	744.038
219.1	91.9934	6.89001	7.3186	98.5382	7.08159	7.48487	723.249	743.053
219.2	92.1214	7.00179	7.26742	103.649	7.21539	7.50575	704.191	741.499
219.3	94.0486	7.13522	7.25032	104.265	7.34823	7.55102	699.447	737.099
219.4	100.518	7.27677	7.27653	101.514	7.48572	7.61423	671.438	725.291
219.5	99.3454	7.41262	7.32308	103.82	7.63907	7.66349	659.778	718.687
219.6	98.0344	7.55336	7.37659	105.119	7.8211	7.75575	683.487	694.314
219.7	99.2354	7.71421	7.43978	103.026	8.00787	7.85127	690.811	694.981
219.8	101.185	7.89712	7.51788	100.309	8.15977	7.99251	694.371	696.066
219.9	102.267	8.07945	7.62538	102.446	8.23628	8.10682	715.247	688.295
220	107.498	8.21974	7.7433	101.648	8.23664	8.17217	727.682	668.486
220.1	110.762	8.28192	7.83296	96.2427	8.18511	8.18283	736.441	662.887
220.2	109.716	8.27142	7.88526	95.4812	8.11467	8.15272	748.252	639.092
220.3	105.665	8.21157	7.89012	98.7043	8.04883	8.1249	770.461	638.272
220.4	102.855	8.14467	7.87025	96.1688	7.98985	8.09411	772.155	638.284
220.5	107.268	8.08562	7.84018	91.6611	7.92584	8.04778	742.015	639.964
220.6	107.675	8.03187	7.80554	92.4691	7.85723	8.02286	718.382	642.156
220.7	101.001	7.97388	7.78588	94.9682	7.7808	8.00105	698.452	643.745
220.8	94.9701	7.90568	7.76502	94.5635	7.71675	8.01307	686.407	646.51
220.9	92.7808	7.82959	7.75495	95.2426	7.68252	8.06979	691.401	668.207
221	86.6585	7.77229	7.77948	93.612	7.68647	8.18656	689.522	683.748
221.1	83.6338	7.75041	7.85941	92.1296	7.71487	8.35248	692.191	708.731
221.2	81.8383	7.76497	7.98498	90.7774	7.74495	8.57109	696.611	743.769
221.3	81.002	7.79304	8.16304	89.7843	7.75783	8.87644	697.272	759.813
221.4	75.9189	7.81606	8.39699	88.365	7.73257	9.24465	721.17	771.61
221.5	72.9498	7.81707	8.71009	85.9557	7.68087	9.70439	760.33	783.763
221.6	74.7179	7.78516	9.08146	86.4589	7.63042	10.1625	783.569	824.51
221.7	75.6985	7.73299	9.50502	85.7348	7.59747	10.5993	784.824	844.782
221.8	75.0963	7.68999	9.93448	86.4554	7.5632	11.0359	779.622	853.213
221.9	78.1215	7.65466	10.3499	90.2549	7.5059	11.501	776.207	853.823

222	77.9393	7.60677	10.7448	92.4348	7.41215	11.9913	773.299	866.509
222.1	78.8805	7.53059	11.1642	90.5336	7.29088	12.4719	781.369	858.788
222.2	80.8372	7.42263	11.6166	95.1315	7.15919	12.9035	796.79	858.01
222.3	81.6118	7.2946	12.0546	98.1983	7.07646	13.2191	794.501	863.252
222.4	80.7863	7.17608	12.3909	98.4856	7.127	13.392	806.178	858.696
222.5	83.7716	7.13542	12.6448	92.5165	7.37312	13.5355	818.72	864.514
222.6	88.2486	7.25896	12.7887	92.074	7.77359	13.7265	824.407	876.795
222.7	91.1637	7.56919	12.8951	90.2323	8.229	14.0649	846.149	876.63
222.8	94.9556	8.00103	13.0817	89.6164	8.71243	14.5149	857.732	903.129
222.9	97.801	8.47396	13.4718	86.1769	9.29056	14.9805	862.559	921.067
223	97.6767	8.99296	13.9324	90.9846	10.1106	15.4104	882.661	911.441
223.1	97.3908	9.65461	14.2991	87.4967	11.35	15.8129	882.492	906.437
223.2	101.957	10.6028	14.6796	87.009	13.0408	16.1971	886.519	912.762
223.3	105.345	12.0139	15.0129	85.9865	14.9845	16.5009	847.932	921.173
223.4	99.9847	13.7752	15.3251	92.4118	16.7337	16.8274	840.383	901.631
223.5	96.726	15.6026	15.5229	96.4537	17.9515	17.2774	844.15	903.413
223.6	96.6387	17.1386	15.8801	100.373	18.4707	17.7165	820.262	901.809
223.7	95.8702	18.0633	16.3287	106.802	18.6794	18.0172	838.787	886.004
223.8	97.2418	18.4699	16.6617	107.104	18.7132	18.2974	833.325	883.853
223.9	99.8555	18.615	16.8853	105.041	18.484	18.5327	808.193	912.921
224	100.679	18.5798	17.1191	108.099	17.7848	18.797	804.783	919.743
224.1	97.6661	18.2473	17.3488	109.449	16.4692	19.1251	800.553	925.048
224.2	97.7547	17.3376	17.591	111.254	14.6925	19.4557	827.061	928.348
224.3	98.8185	15.8803	17.911	105.186	12.8867	19.6205	844.881	933.531
224.4	100.183	14.0972	18.2362	102.017	11.4954	19.4416	852.987	944.341
224.5	97.1768	12.4203	18.3048	101.667	10.6876	18.9667	887.227	960.265
224.6	96.2796	11.2709	18.0583	99.9817	10.1194	18.4334	911.726	958.402
224.7	95.0422	10.5691	17.5971	101.04	9.62409	17.9068	916.3	950.014
224.8	96.6142	10.0395	17.1391	98.5692	9.15261	17.5125	921.018	953.765
224.9	97.8212	9.55102	16.7271	93.6464	8.75909	17.1506	940.068	958.966
225	98.4422	9.0704	16.397	91.9992	8.52204	16.9236	968.841	952.638
225.1	99.2748	8.71127	16.1488	91.2091	8.44078	16.8995	947.47	958.62
225.2	100.848	8.52695	15.9947	95.6603	8.47779	17.1737	928.743	959.071
225.3	98.75	8.48854	16.0706	95.5759	8.59435	17.6366	931.467	938.563
225.4	101.01	8.56241	16.349	88.6876	8.7711	18.3526	894.414	914.462
225.5	105.738	8.70353	16.8408	86.1097	8.98787	19.1513	843.855	893.358
225.6	108.779	8.89556	17.4535	88.8825	9.22353	19.781	851.052	889.796
225.7	105.967	9.1396	18.1248	94.2308	9.45602	20.4073	834.865	875.341
225.8	105.674	9.36719	18.7344	98.4209	9.66259	20.9292	825.983	886.247
225.9	108.938	9.6099	19.2474	100.613	9.83845	21.297	814.415	889.151
226	108.904	9.80857	19.6706	101.978	9.98088	21.6359	842.56	875.255
226.1	113.182	9.99517	19.9361	98.5079	10.0692	21.6442	866.256	883.234
226.2	111.398	10.1364	20.1026	98.5742	10.1071	21.551	870.807	888.273
226.3	108.787	10.1956	20.128	101.761	10.1261	21.2545	879.747	914.711
226.4	102.856	10.2289	19.9808	100.705	10.15	20.9403	900.24	941.076
226.5	102.716	10.2475	19.7404	95.6296	10.1707	20.6485	913.298	963.013
226.6	106.262	10.2718	19.4158	89.7919	10.1701	20.3172	930.302	965.175

226.7	101.261	10.2959	19.1127	88.2049	10.1632	20.0756	921.863	943.106
226.8	97.5783	10.2872	18.8377	87.6555	10.1624	19.8798	912.166	936.388
226.9	102.58	10.2795	18.6517	87.7673	10.1609	19.7111	888.556	926.96
227	102.733	10.2717	18.5624	89.3268	10.1693	19.7664	864.597	935.1
227.1	102.241	10.2737	18.4672	89.2153	10.1875	19.9851	860.184	940.217
227.2	103.615	10.2865	18.5109	88.1186	10.1865	20.2811	866.306	921.774
227.3	107.058	10.2944	18.7191	87.7221	10.1335	20.7468	861.576	905.374
227.4	103.594	10.2776	19.0826	89.9124	10.0314	21.1759	850.833	866.647
227.5	100.472	10.1981	19.4645	93.1876	9.91955	21.537	838.282	838.116
227.6	106.49	10.085	19.7952	92.2684	9.79349	21.7052	832.033	846.152
227.7	103.127	9.95243	20.0859	88.7982	9.65532	21.861	840.616	850.468
227.8	96.965	9.81769	20.2736	88.2887	9.50571	21.9032	853.237	876.593
227.9	94.3767	9.67477	20.3455	88.8284	9.33905	21.679	864.872	840.933
228	95.9297	9.51702	20.3007	88.1573	9.15023	21.2344	878.692	844.727
228.1	95.8548	9.33527	20.0614	92.0367	8.96355	20.6826	873.78	838.543
228.2	92.7861	9.14616	19.6711	94.7767	8.81184	19.8846	867.792	838.553
228.3	93.1593	8.9718	19.0763	94.1425	8.70685	19.1362	863.767	850.304
228.4	94.4278	8.83549	18.445	93.2521	8.64501	18.4473	863.219	896.873
228.5	92.0984	8.74683	17.7799	93.7548	8.60592	17.8754	869.032	911.047
228.6	91.809	8.70114	17.1763	95.4229	8.59252	17.3698	873.561	899.348
228.7	90.2304	8.6738	16.6313	94.7983	8.61676	16.9965	883.593	879.334
228.8	91.2452	8.67194	16.2135	93.4935	8.68024	16.8283	879.827	878.672
228.9	92.2595	8.71143	15.9579	95.6003	8.7957	16.8605	871.918	859.49
229	92.6988	8.79869	15.8163	93.8727	8.96489	17.0436	865.357	886.552
229.1	91.442	8.93735	15.8886	94.7088	9.14846	17.3573	871.211	911.757
229.2	90.6878	9.11361	16.0695	98.9368	9.30826	17.7056	882.246	916.197
229.3	89.316	9.29649	16.3443	96.2868	9.44006	18.009	892.817	899.187
229.4	88.4757	9.45466	16.651	95.9304	9.52081	18.3081	893.763	888.061
229.5	89.4666	9.56717	16.9497	98.2674	9.52538	18.5674	877.727	891.091
229.6	88.8808	9.62157	17.2016	98.6868	9.50321	18.7827	880.067	924.945
229.7	88.3261	9.618	17.4228	95.6958	9.47386	18.9055	871.529	961.007
229.8	87.0476	9.59661	17.5956	95.3023	9.43444	18.8627	862.094	998.185
229.9	82.7197	9.56455	17.6795	92.704	9.3786	18.7566	903.025	1001.55
230	81.4596	9.51395	17.5677	89.6871	9.31472	18.7371	927.668	1013.01
230.1	80.7703	9.45094	17.5413	86.44	9.24548	18.7709	951.529	992.114
230.2	79.3017	9.37678	17.5509	88.7512	9.21225	18.8913	959.997	995.099
230.3	76.8715	9.31553	17.5888	89.7631	9.24465	19.0767	988.486	998.697
230.4	75.3368	9.30487	17.6798	84.9424	9.34093	19.2344	1011.41	1010.13
230.5	76.7515	9.35585	17.789	87.4936	9.46221	19.5348	1007.41	1018.93
230.6	75.9942	9.45153	17.9518	91.0982	9.62831	20.0657	1039.69	1014.65
230.7	76.2186	9.5945	18.2676	92.3253	9.83656	20.714	1032.16	995.579
230.8	78.8634	9.7964	18.8091	94.1366	10.0383	21.2779	997.32	975.274
230.9	78.5142	10.0029	19.3964	96.3624	10.2534	21.6897	966.63	951.636
231	78.6761	10.1956	19.738	97.3209	10.5261	22.1159	943.223	959.697
231.1	80.9599	10.4275	20.1165	97.2136	10.8673	22.5552	925.374	936.643
231.2	84.3528	10.7314	20.4465	94.8138	11.2418	22.9766	868.728	907.316
231.3	90.6084	11.107	20.8187	95.7719	11.6057	23.459	860.283	874.783

231.4	92.8612	11.4992	21.3089	91.926	11.9233	23.8851	832.008	842.631
231.5	93.8963	11.8667	21.6659	88.5809	12.2278	24.1263	814.135	826.704
231.6	93.3161	12.1791	21.9471	87.0439	12.5675	24.3152	822.309	808.213
231.7	95.0607	12.4947	22.1064	88.8573	12.9447	24.579	831.766	796.854
231.8	101.001	12.855	22.2759	89.9198	13.2733	24.87	835.321	777.095
231.9	104.309	13.2367	22.4947	90.052	13.4609	25.0174	823.237	761.276
232	101.801	13.5341	22.6514	90.7282	13.4678	24.9704	835.513	767.567
232.1	101.509	13.6659	22.7805	91.446	13.3329	24.8774	872.04	770.245
232.2	94.2703	13.5993	22.7459	90.1498	13.1288	24.5698	862.064	768.525
232.3	91.7198	13.4261	22.5679	90.7223	12.9009	24.1168	874.703	747.63
232.4	90.7153	13.2051	22.3169	94.2163	12.6007	23.6704	876.193	751.917
232.5	91.102	12.95	21.9668	97.9464	12.2035	23.297	867.525	767.698
232.6	86.786	12.6063	21.5589	96.405	11.7451	22.9372	864.65	782.08
232.7	81.5433	12.1932	21.2786	95.1689	11.2772	22.5582	847.201	810.114
232.8	78.1447	11.7184	21.0474	93.0702	10.8477	22.2039	872.195	827.711
232.9	80.3365	11.2458	20.7884	89.6869	10.4914	22.0072	879.65	847.216
233	77.4033	10.8316	20.5114	89.0806	10.2037	21.8351	869.03	874.194
233.1	77.4957	10.4989	20.312	90.4421	9.96774	21.8154	879.694	897.846
233.2	76.9555	10.24	20.1894	90.8795	9.74627	21.7353	874.981	932.095
233.3	75.1403	10.0156	20.1167	87.4764	9.51461	21.5933	874.147	921.678
233.4	72.3301	9.787	20.0532	82.5146	9.27294	21.3077	881.172	911.317
233.5	72.2002	9.54197	19.9099	80.4254	9.05109	20.9994	872.404	900.987
233.6	74.2421	9.28629	19.6397	80.5615	8.90047	20.713	872.191	896.662
233.7	73.5082	9.08606	19.3558	82.9389	8.82811	20.5629	867.503	899.27
233.8	70.93	8.95676	19.1067	86.263	8.81179	20.491	862.516	878.895
233.9	72.8908	8.90026	18.9504	87.6311	8.85697	20.5066	858.487	869.117
234	72.1795	8.90597	18.8969	88.6846	8.94767	20.6245	857.688	865.589
234.1	69.1098	8.95989	18.9586	90.8485	9.10653	20.8285	858.434	837.778
234.2	74.4528	9.06884	19.1026	92.1275	9.32752	21.1861	845.219	844.157
234.3	82.7279	9.24468	19.388	94.6219	9.59276	21.6999	832.2	849.266
234.4	87.6381	9.48283	19.7663	94.0249	9.89948	22.3307	825.461	849.024
234.5	91.6513	9.76386	20.2378	94.4719	10.2104	23.008	812.74	831.352
234.6	93.5669	10.0806	20.7889	96.9458	10.498	23.5185	791.167	812.101
234.7	97.822	10.3949	21.3126	98.7022	10.7557	23.989	783.683	802.664
234.8	96.9218	10.6817	21.7302	99.5375	10.9945	24.4422	773.861	799.893
234.9	102.685	10.944	22.068	99.5004	11.2056	24.739	755.931	782.382
235	105.142	11.1801	22.3852	99.1553	11.3685	25.1333	739.221	790.28
235.1	99.3617	11.3969	22.6407	100.937	11.4831	25.4684	738.72	786.852
235.2	93.95	11.5536	22.8183	102.35	11.5139	25.6454	757.831	772.542
235.3	92.8897	11.646	23.0199	103.043	11.4696	25.8028	772.84	771.788
235.4	87.7539	11.67	23.1402	99.5741	11.3671	25.8668	787.285	771.783
235.5	85.4698	11.6071	23.223	96.09	11.239	25.7929	794.754	785.248
235.6	83.4299	11.4937	23.305	97.1359	11.0825	25.4906	789.372	809.064
235.7	83.1157	11.3456	23.2505	96.4241	10.8768	24.9818	790.382	799.118
235.8	78.9885	11.1646	22.9625	93.7975	10.6518	24.4027	795.99	797.332
235.9	79.9271	10.9455	22.5086	92.3754	10.3799	23.5353	811.04	797.844
236	82.0704	10.6814	21.9279	92.0367	10.0657	22.5739	814.781	804.17

236.1	82.8326	10.3931	21.2253	88.5264	9.77181	21.5881	810.724	823.866
236.2	80.2577	10.0854	20.4284	89.7208	9.48117	20.4671	826.055	822.491
236.3	80.7351	9.77901	19.5336	94.5804	9.22801	19.3578	834.022	838.346
236.4	81.5039	9.49715	18.621	96.4529	8.99294	18.391	838.687	852.085
236.5	82.6356	9.2416	17.6279	89.8548	8.79636	17.543	855.213	863.986
236.6	82.7515	9.01549	16.856	95.6823	8.62617	16.8806	877.39	868.471
236.7	82.3222	8.81358	16.1878	96.2883	8.46666	16.3852	905.967	883.513
236.8	80.3126	8.63467	15.6789	95.8108	8.34182	16.0804	936.549	915.333
236.9	80.4124	8.49076	15.3035	95.7989	8.27665	15.9432	964.374	916.401
237	81.8262	8.38332	15.0864	96.876	8.2608	15.8919	999.533	916.31
237.1	83.4598	8.32715	14.9574	98.0852	8.30475	15.9865	1011.48	952.256
237.2	87.2344	8.32451	14.9664	93.4831	8.38881	16.2574	1025.35	974.428
237.3	89.1083	8.37831	15.1294	93.1968	8.49375	16.6564	1038.98	980.345
237.4	89.4229	8.47414	15.418	95.2621	8.59163	17.1311	1038.13	971.594
237.5	92.4704	8.58158	15.746	93.5879	8.70607	17.6022	1025.12	982.543
237.6	95.0861	8.69496	16.2172	93.5413	8.83674	18.0511	1015.91	982.355
237.7	101.692	8.81888	16.6559	94.1435	8.99725	18.514	1013.43	972.768
237.8	104.674	8.96172	17.0791	95.9884	9.18243	18.9936	998.153	992.871
237.9	104.453	9.13662	17.516	98.5832	9.38512	19.5255	996.915	1013.52
238	104.799	9.33206	17.916	96.9401	9.57214	19.9895	1005.91	1015.01
238.1	103.32	9.54011	18.3745	96.917	9.72578	20.3545	1027.51	1007.43
238.2	101.924	9.7225	18.7072	99.2248	9.85304	20.7167	1048.26	1000.62
238.3	105.176	9.8563	19.0225	99.6792	9.96711	21.0883	1056.52	1007.05
238.4	107.663	9.96975	19.345	97.3197	10.0776	21.4656	1057.8	1023.9
238.5	111.802	10.0876	19.6201	97.238	10.1944	21.9671	1060.7	1049.57
238.6	107.717	10.2039	19.9732	96.131	10.2977	22.5542	1036.76	1050.33
238.7	104.429	10.3103	20.3554	93.1124	10.3868	23.108	1030.36	1029.65
238.8	103.557	10.4171	20.7688	90.6831	10.4493	23.5845	986.381	1000.58
238.9	106.809	10.4962	21.2115	92.8342	10.4737	24.0635	961.358	973.128
239	107.879	10.5359	21.6402	94.0619	10.4738	24.5224	935.515	958.364
239.1	105.902	10.5551	22.0391	91.2291	10.4682	24.7834	909.533	953.166
239.2	100.702	10.5729	22.3486	89.0671	10.4533	24.8268	915.736	947.816
239.3	97.1939	10.5707	22.5401	86.5071	10.4187	24.6844	922.626	911.862
239.4	94.6273	10.5406	22.4943	87.3955	10.3705	24.3478	899.723	865.402
239.5	93.1909	10.5024	22.2786	85.2515	10.316	23.7674	898.921	840.554
239.6	96.9836	10.4595	21.9893	81.825	10.2465	23.1491	902.374	828.785
239.7	97.8843	10.3854	21.5435	81.9789	10.189	22.5366	905.028	811.041
239.8	95.8338	10.3311	21.0736	83.3279	10.1865	21.897	895.816	790.578
239.9	94.3572	10.2972	20.5328	84.1738	10.2466	21.3385	876.152	771.144
240	95.3289	10.2993	20.0264	85.5657	10.3674	20.9393	864.675	746.463
240.1	100.116	10.3738	19.6229	88.1789	10.5343	20.7402	829.498	714.804
240.2	96.1972	10.5145	19.3365	92.443	10.73	20.7915	796.521	704.641
240.3	91.7947	10.7041	19.2179	96.1346	10.9301	20.8655	792.99	703.721
240.4	93.0212	10.9114	19.2916	101.626	11.1096	21.1396	793.004	701.848
240.5	89.7909	11.1129	19.4378	108.84	11.2662	21.4388	785.185	693.904
240.6	88.4125	11.295	19.621	112.094	11.388	21.7213	759.224	697.306
240.7	83.8942	11.4421	19.7965	111.252	11.4636	21.9301	741.698	702.903

240.8	82.7412	11.5495	20.0082	111.541	11.4718	22.1412	735.169	695.628
240.9	85.4534	11.6139	20.2199	110.601	11.3916	22.1355	725.028	709.19
241	88.8833	11.5952	20.2994	112.05	11.2369	22.1208	727.193	725.348
241.1	93.8513	11.4943	20.3219	111.088	11.022	21.9566	718.26	711.016
241.2	97.5889	11.3056	20.2877	108.387	10.7825	21.7257	700.136	695.561
241.3	95.5768	11.0719	20.1002	104.415	10.5433	21.3683	665.494	693.22
241.4	94.6597	10.8208	19.8478	102.457	10.3171	20.9287	643.687	706.163
241.5	98.1684	10.5766	19.5712	98.115	10.1152	20.4438	647.182	688.066
241.6	102.25	10.346	19.2429	98.2988	9.93021	19.9348	634.142	699.715
241.7	104.517	10.1432	18.8202	99.4286	9.78192	19.4174	625.795	714.41
241.8	105.874	9.9706	18.365	98.0184	9.68546	18.9856	614.592	668.693
241.9	101.694	9.83455	17.9623	95.0071	9.64861	18.6082	608.088	653.265
242	98.8881	9.75217	17.6055	95.1313	9.655	18.2998	613.149	653.22
242.1	97.8659	9.73046	17.2916	96.5725	9.6965	18.1859	623.692	639.753
242.2	98.1875	9.75258	17.0973	96.4328	9.78163	18.2007	641.627	615.053
242.3	101.092	9.81034	17.0098	94.3905	9.88964	18.3537	634.809	576.368
242.4	99.7676	9.89881	17.063	96.5439	10.0093	18.6694	623.923	594.564
242.5	99.893	10.0108	17.2521	97.148	10.1113	19.1531	629.48	563.849
242.6	96.537	10.1188	17.5564	92.4268	10.1861	19.5628	630.461	549.791
242.7	93.4626	10.2112	17.8857	99.1755	10.2317	19.9688	627.552	574.123
242.8	93.6689	10.2872	18.2586	100.612	10.2409	20.2633	611.008	570.598
242.9	95.6285	10.3298	18.6144	103.651	10.211	20.508	591.523	597.659
243	99.4051	10.3328	18.8995	105.316	10.1548	20.649	582.694	598.329
243.1	99.0557	10.2964	19.0503	107.318	10.0735	20.6223	586.578	617.573
243.2	97.3775	10.2329	19.1183	107.016	9.96594	20.5111	593.765	643.463
243.3	96.0332	10.1424	19.0891	109.45	9.85165	20.2834	600.556	642.654
243.4	93.2797	10.0385	18.9426	112.989	9.76382	19.9613	601.041	667.257
243.5	96.6386	9.94112	18.6852	114.775	9.70705	19.7632	599.568	687.835
243.6	99.6229	9.85832	18.5048	114.114	9.69297	19.605	600.69	699.333
243.7	100.317	9.80694	18.3448	111.562	9.70174	19.5232	624.469	697.587
243.8	99.8502	9.78969	18.1805	109.136	9.74977	19.5049	643.598	688.332
243.9	97.257	9.81133	18.0914	102.145	9.81962	19.5778	649.211	708.545
244	98.3606	9.8665	18.0517	101.901	9.88238	19.7108	665.977	703.547
244.1	100.726	9.93674	18.131	101.263	9.94293	19.838	658.828	707.893
244.2	106.179	10.0142	18.2616	94.796	9.9706	19.9952	682	705.662
244.3	109.216	10.0659	18.3879	85.8759	9.96382	20.079	686.184	681.277
244.4	105.494	10.0903	18.5658	87.2108	9.9258	20.0615	686.368	668.023
244.5	102.054	10.0801	18.6274	81.5121	9.85353	20.0045	687.815	664.042
244.6	99.1626	10.027	18.5603	80.7445	9.76763	19.8818	698.894	669.594
244.7	97.7085	9.95009	18.4909	79.8474	9.66351	19.6928	686.761	666.883
244.8	98.1653	9.8474	18.3575	85.5932	9.56239	19.517	662.833	652.621
244.9	99.9731	9.73548	18.2896	85.3543	9.50023	19.3979	621.305	640.542
245	97.2562	9.6392	18.2031	85.4333	9.48891	19.3126	648.788	624.316
245.1	92.5281	9.57879	18.0683	89.5238	9.55996	19.3593	624.464	618.589
245.2	88.5073	9.58797	18.043	95.3128	9.72482	19.5825	618.715	626.078
245.3	87.1228	9.68064	18.1489	94.3672	9.97272	19.8627	612.605	609.398
245.4	88.5295	9.87742	18.3137	95.8247	10.3008	20.2396	611.238	602.987

245.5	89.072	10.1684	18.5937	95.4943	10.6784	20.6663	583.393	605.706
245.6	88.3082	10.5234	18.9017	91.59	11.1003	21.1635	594.222	600.284
245.7	87.6831	10.9352	19.3091	88.0739	11.5441	21.5207	593.56	605.893
245.8	88.489	11.3838	19.6042	85.6113	11.9821	21.8922	621.968	618.897
245.9	87.1242	11.8287	19.8821	87.258	12.3944	22.2255	610.21	624.465
246	86.7335	12.2758	20.1922	86.7838	12.739	22.4387	598.871	614.959
246.1	93.3439	12.6794	20.401	84.5958	12.9803	22.4838	615.647	617.679
246.2	95.0509	13.0093	20.5338	85.5047	13.095	22.5664	623.044	638.448
246.3	96.8857	13.1976	20.6092	84.5566	13.0759	22.5267	623.581	631.984
246.4	97.7475	13.2549	20.6149	88.0489	12.9502	22.3254	624.621	626.15
246.5	103.95	13.1989	20.5279	92.5319	12.7264	22.0679	644.266	638.429
246.6	103.642	13.0249	20.347	95.8679	12.4076	21.8318	648.873	644.647
246.7	105.26	12.7452	20.187	101.693	11.9963	21.5172	626.861	646.702
246.8	108.6	12.4027	19.9555	101.298	11.5073	21.146	634.201	666.283
246.9	108.621	11.9457	19.6637	97.2191	10.9764	20.7078	647.866	687.043
247	105.089	11.4373	19.3116	94.3987	10.4515	20.2967	640.229	689.797
247.1	108.354	10.8825	18.9218	95.4869	9.98024	19.7055	647.946	709.61
247.2	112.896	10.3818	18.5121	97.8374	9.58624	19.0548	667.641	743.357
247.3	113.596	9.94421	18.0373	93.9323	9.26463	18.5321	686.622	764.642
247.4	106.22	9.5688	17.5519	89.7949	8.99672	18.045	704.815	768.356
247.5	107.703	9.2678	17.094	87.2096	8.79391	17.6841	721.81	773.447
247.6	101.291	9.03303	16.7253	85.7104	8.67167	17.4451	737.625	768.883
247.7	97.9862	8.85524	16.4309	88.9233	8.63058	17.2589	743.292	767.554
247.8	99.1803	8.75917	16.2602	93.59	8.68524	17.2166	745.128	779.605
247.9	103.789	8.74177	16.2184	98.7366	8.83224	17.3466	730.07	788.947
248	102.207	8.82408	16.2353	97.2763	9.03739	17.552	716.224	775.783
248.1	94.1354	8.99294	16.417	97.104	9.25813	17.9905	718.453	768.798
248.2	94.7747	9.20614	16.6904	104.065	9.47029	18.3306	714.116	741.706
248.3	94.7664	9.43092	17.0225	111.682	9.68601	18.5665	703.454	734.515
248.4	95.4091	9.64886	17.3502	115.855	9.89121	18.7568	717.602	723.501
248.5	95.8573	9.85757	17.5944	113.852	10.0956	18.8987	723.58	724.883
248.6	98.1279	10.0626	17.7948	110.481	10.2813	19.0987	717.956	719.908
248.7	95.8107	10.2679	17.917	107.466	10.4146	19.2339	717.995	686.928
248.8	98.182	10.4418	18.0545	106.531	10.4674	19.3898	747.949	674.793
248.9	100.936	10.5605	18.2409	108.517	10.4568	19.5756	768.12	673.109
249	103.234	10.5864	18.3435	111.623	10.4127	19.7617	751.547	667.095
249.1	104.996	10.5498	18.5133	106.757	10.3604	20.1284	749.274	678.893
249.2	110.868	10.4934	18.7516	104.112	10.3002	20.6539	748.353	660.187
249.3	111.469	10.4358	19.0823	102.862	10.2316	21.2048	738.401	675.122
249.4	112.915	10.3767	19.5021	98.5081	10.1483	21.7243	729.057	683.538
249.5	112.515	10.298	20.0076	98.0819	10.0419	22.2598	723.965	687.165
249.6	113.346	10.2029	20.5314	104.413	9.94092	22.7586	719.591	708.536
249.7	108.693	10.0935	20.9712	102.903	9.85933	23.1557	690.554	708.87
249.8	104.704	9.98367	21.3916	100.411	9.79992	23.5275	674.303	702.062
249.9	103.241	9.89815	21.7532	98.0833	9.75897	23.7609	680.638	715.775
250	103.074	9.84491	22.0532	98.7669	9.76023	23.7964	674.273	722.91
250.1	100.283	9.82802	22.2124	100.472	9.80093	23.7204	656.614	742.124

250.2	96.7583	9.84489	22.2129	103.744	9.87875	23.569	635.762	747.252
250.3	93.3119	9.90014	22.137	108.184	9.98335	23.4096	634.063	739.146
250.4	92.8732	9.98913	21.9262	111.502	10.1434	23.1824	640.447	745.309
250.5	92.8403	10.1192	21.6961	108.619	10.3249	23.0057	659.666	746.049
250.6	95.4008	10.2881	21.5319	108.647	10.5254	22.8688	694.455	751.638
250.7	99.4042	10.4851	21.3723	110.963	10.7301	22.7888	704.214	753.422
250.8	101.215	10.7051	21.3047	113.13	10.965	22.8471	714.081	747.882
250.9	101.03	10.9318	21.3152	114.986	11.1678	23.0618	725.162	751.401
251	100.485	11.1563	21.338	110.94	11.343	23.416	751.826	-99999
251.1	103.035	11.3624	21.5918	105.067	11.485	23.8163	766.454	-99999
251.2	105.407	11.5381	21.8608	100.063	11.5605	24.1452	759.363	-99999
251.3	101.837	11.6603	22.2757	94.1385	11.5747	24.4689	730.549	-99999
251.4	98.2993	11.7231	22.6044	90.71	11.5318	24.6494	708.92	-99999
251.5	95.9129	11.7252	22.7592	88.2372	11.4678	24.691	671.083	-99999
251.6	92.1226	11.6754	22.8371	88.4185	11.3894	24.6318	674.512	-99999
251.7	88.3784	11.5996	22.8197	87.9136	11.2817	24.426	655.53	-99999
251.8	89.1867	11.5056	22.6427	89.5084	11.1796	24.0392	645.701	-99999
251.9	91.0592	11.3986	22.46	86.4797	11.0865	23.5594	613.341	-99999
252	89.4487	11.2892	22.1268	85.7901	10.9979	23.1361	597.947	-99999
252.1	90.3044	11.1906	21.78	88.1335	10.9374	22.7535	600.899	-99999
252.2	96.5715	11.1158	21.365	90.9594	10.9141	22.4196	642.819	-99999
252.3	98.9118	11.0569	21.1002	95.0692	10.9259	22.2594	657.185	-99999
252.4	98.2933	11.0397	20.9116	95.0937	10.9444	22.2318	672.905	-99999
252.5	101.875	11.0556	20.7519	92.7691	10.9939	22.2475	650.262	-99999
252.6	100.2	11.0992	20.7443	89.8005	11.0563	22.3914	635.774	-99999
252.7	96.7276	11.1523	20.8349	85.2326	11.1204	22.6473	630.357	-99999
252.8	94.3536	11.2194	20.9973	89.22	11.1985	22.7965	652.577	-99999
252.9	93.0982	11.2994	21.1431	93.6896	11.2967	22.9883	657.252	-99999
253	91.6223	11.3743	21.2931	94.9478	11.4017	23.1892	666.534	-99999
253.1	90.0056	11.4743	21.4343	94.645	11.5017	23.3256	644.063	-99999
253.2	92.2915	11.5843	21.5892	90.5431	11.5944	23.3549	640.77	-99999
253.3	93.3471	11.6929	21.6689	89.5553	11.676	23.282	637.442	-99999
253.4	89.7545	11.7891	21.6586	87.6484	11.7144	23.261	649.159	-99999
253.5	92.8014	11.8524	21.5869	85.461	11.7217	23.1075	695.797	-99999
253.6	95.7198	11.8858	21.5276	84.7988	11.7022	22.9927	713.27	-99999
253.7	95.1254	11.8843	21.4722	-99999	11.6461	22.8551	705.743	-99999
253.8	96.9434	11.8268	21.3152	-99999	11.5689	22.7081	724.162	-99999
253.9	96.6545	11.7579	21.1785	-99999	11.4949	22.5135	704.121	-99999
254	97.5018	11.681	21.0685	-99999	11.4427	22.3756	695.654	-99999
254.1	95.0618	11.5994	20.8978	-99999	11.4162	22.3495	684.952	-99999
254.2	96.0154	11.5413	20.8065	-99999	11.4342	22.3324	695.679	-99999
254.3	102.612	11.5317	20.8041	-99999	11.5226	22.397	697.214	-99999
254.4	100.723	11.5713	20.8316	-99999	11.6836	22.5429	671.698	-99999
254.5	95.5092	11.6773	20.8419	-99999	11.9408	22.6083	666.75	-99999
254.6	94.5258	11.8713	20.8618	-99999	12.2822	22.7964	658.012	-99999
254.7	96.7879	12.17	21.0101	-99999	12.7164	22.8938	654.551	-99999
254.8	96.9964	12.5649	21.1328	-99999	13.2393	22.9748	679.802	-99999

254.9	96.2991	13.0598	21.2187	-99999	13.8039	22.9211	689.851	-99999
255	94.9284	13.6312	21.2675	-99999	14.3559	22.9276	689.363	-99999
255.1	86.5634	14.2304	21.2436	-99999	14.8025	22.8578	683.147	-99999
255.2	81.3368	14.7521	21.1858	-99999	15.152	22.7585	683.446	-99999
255.3	82.3327	15.1813	21.1291	-99999	15.3685	22.5315	686.189	-99999
255.4	85.9068	15.4957	21.0286	-99999	15.4155	22.3632	671.922	-99999
255.5	89.6356	15.661	20.8936	-99999	15.2967	22.1321	672.741	-99999
255.6	86.736	15.6731	20.7171	-99999	15.0253	21.8884	673.992	-99999
255.7	87.3322	15.504	20.516	-99999	14.5786	21.658	668.738	-99999
255.8	81.5818	15.1474	20.2647	-99999	14.0089	21.4063	652.167	-99999
255.9	82.3235	14.6322	20.0369	-99999	13.3624	21.0988	635.963	-99999
256	91.5918	14.0054	19.825	-99999	12.7446	20.8422	630.036	-99999
256.1	91.4238	13.3639	19.618	-99999	12.138	20.5784	615.874	-99999
256.2	89.0552	12.7411	19.361	-99999	11.5876	20.4704	616.04	-99999
256.3	87.1309	12.15	19.1828	-99999	11.0997	20.3091	629.221	-99999
256.4	86.4449	11.6068	18.9969	-99999	10.6679	20.1338	638.583	-99999
256.5	85.4944	11.1147	18.8406	-99999	10.2671	19.9441	632.405	-99999
256.6	85.8252	10.6726	18.7061	-99999	9.9053	19.7841	623.456	-99999
256.7	90.4385	10.2741	18.5857	-99999	9.58416	19.5309	651.871	-99999
256.8	91.0589	9.92559	18.3847	-99999	9.32599	19.1691	668.29	-99999
256.9	88.2794	9.63052	18.1286	-99999	9.09122	18.6488	669.446	-99999
257	90.1521	9.37025	17.7545	-99999	8.87562	18.0264	681.818	-99999
257.1	94.4991	9.13074	17.2688	-99999	8.67566	17.3028	699.917	-99999
257.2	95.0453	8.91431	16.7127	-99999	8.49298	16.5928	701.32	-99999
257.3	94.7708	8.71855	16.1369	-99999	8.35401	15.9654	696.048	-99999
257.4	96.0694	8.54892	15.5285	-99999	8.26336	15.4025	713.906	-99999
257.5	96.1648	8.42387	14.9664	-99999	8.24309	15.03	749.247	-99999
257.6	97.7032	8.35919	14.4936	-99999	8.29685	14.922	760.963	-99999
257.7	97.6389	8.36287	14.3117	-99999	8.40082	15.1082	769.365	-99999
257.8	97.7766	8.42784	14.3313	-99999	8.52009	15.5979	807.773	-99999
257.9	99.1055	8.53802	14.576	-99999	8.67163	16.2325	818.276	-99999
258	97.4505	8.67479	15.0902	-99999	8.83628	16.9599	798.07	-99999
258.1	96.634	8.82887	15.6828	-99999	9.00721	17.7242	824.097	-99999
258.2	99.7928	8.99849	16.3534	-99999	9.18056	18.4777	844.316	-99999
258.3	102.686	9.17647	17.1218	-99999	9.34054	19.1841	853.156	-99999
258.4	105.752	9.35037	17.7571	-99999	9.46551	19.7691	846.765	-99999
258.5	106.386	9.49815	18.3552	-99999	-99999	20.1694	850.819	-99999
258.6	106.015	9.59408	18.7982	-99999	-99999	20.3772	885.852	-99999
258.7	106.108	9.62664	19.0604	-99999	-99999	20.3605	900.319	-99999
258.8	103.62	9.61639	19.2136	-99999	-99999	20.2757	912.703	-99999
258.9	102.842	9.58028	19.1058	-99999	-99999	20.1314	943.506	-99999
259	102.209	9.53298	19.0874	-99999	-99999	19.9373	921.857	-99999
259.1	96.5157	9.48167	18.9186	-99999	-99999	19.7437	927.088	-99999
259.2	91.257	9.44616	18.7269	-99999	-99999	19.5519	937.05	-99999
259.3	89.0349	9.4265	18.5556	-99999	-99999	19.3622	954.64	-99999
259.4	88.2262	9.43904	18.4293	-99999	-99999	-99999	945.665	-99999
259.5	89.3315	9.48825	18.3259	-99999	-99999	-99999	972.314	-99999

259.6	92.7124	9.56826	18.338	-99999	-99999	-99999	957.91	-99999
259.7	92.1872	9.67291	18.4303	-99999	-99999	-99999	983.452	-99999
259.8	91.7365	9.77801	18.5974	-99999	-99999	-99999	996.049	-99999
259.9	93.4569	9.88678	18.7394	-99999	-99999	-99999	1050.29	-99999
260	95.3137	9.99642	18.9462	-99999	-99999	-99999	1071.02	-99999
260.1	97.8414	10.1175	19.1188	-99999	-99999	-99999	1087.3	-99999
260.2	93.0595	10.2266	19.268	-99999	-99999	-99999	1080.58	-99999
260.3	91.4627	10.284	19.3643	-99999	-99999	-99999	1085.04	-99999
260.4	88.166	10.2935	19.404	-99999	-99999	-99999	1067.31	-99999
260.5	83.3583	10.2661	19.3983	-99999	-99999	-99999	1072.91	-99999
260.6	87.9465	10.1919	19.2976	-99999	-99999	-99999	1062.12	-99999
260.7	90.9604	10.0949	19.1853	-99999	-99999	-99999	1055.97	-99999
260.8	88.5906	9.96563	19.0413	-99999	-99999	-99999	1020.25	-99999
260.9	91.6263	9.85028	18.9208	-99999	-99999	-99999	1012.34	-99999
261	90.8559	9.67911	18.8427	-99999	-99999	-99999	1011.46	-99999
261.1	95.7031	9.51654	18.7958	-99999	-99999	-99999	1042.99	-99999
261.2	98.2931	9.37677	18.8153	-99999	-99999	-99999	1055.45	-99999
261.3	98.1082	9.23413	18.8331	-99999	-99999	-99999	1041.66	-99999
261.4	98.9623	9.10676	18.8237	-99999	-99999	-99999	1027.96	-99999
261.5	94.4702	9.01384	18.8483	-99999	-99999	-99999	1025.25	-99999
261.6	96.085	8.97734	18.8614	-99999	-99999	-99999	1012.77	-99999
261.7	99.0038	8.95932	18.8914	-99999	-99999	-99999	1008.38	-99999
261.8	93.5053	8.91644	18.8784	-99999	-99999	-99999	1005.61	-99999
261.9	95.2434	8.89737	18.8407	-99999	-99999	-99999	1001.97	-99999
262	91.4761	8.86453	18.7396	-99999	-99999	-99999	974.254	-99999
262.1	87.3054	8.84397	18.5464	-99999	-99999	-99999	944.072	-99999
262.2	88.4642	8.85746	18.3121	-99999	-99999	-99999	943.466	-99999
262.3	88.858	8.88003	18.011	-99999	-99999	-99999	947.161	-99999
262.4	90.6115	8.89911	17.7023	-99999	-99999	-99999	938.054	-99999
262.5	88.2249	8.90592	17.3389	-99999	-99999	-99999	945.428	-99999
262.6	87.103	8.91877	16.9141	-99999	-99999	-99999	958.832	-99999
262.7	87.2137	8.94907	16.4845	-99999	-99999	-99999	941.734	-99999
262.8	87.8577	8.98405	16.0929	-99999	-99999	-99999	910.312	-99999
262.9	89.1892	9.02597	15.7783	-99999	-99999	-99999	896.846	-99999
263	88.383	9.04623	15.5534	-99999	-99999	-99999	902.473	-99999
263.1	87.2886	9.04429	15.4225	-99999	-99999	-99999	912.324	-99999
263.2	85.2452	9.03129	15.3035	-99999	-99999	-99999	917.831	-99999
263.3	86.1849	9.00468	15.1711	-99999	-99999	-99999	927.801	-99999
263.4	85.906	8.95881	15.0412	-99999	-99999	-99999	934.939	-99999
263.5	87.0077	8.89089	14.9372	-99999	-99999	-99999	934.593	-99999
263.6	88.209	8.79817	14.8181	-99999	-99999	-99999	954.243	-99999
263.7	86.4327	8.67636	14.6159	-99999	-99999	-99999	980.547	-99999
263.8	87.1785	8.53895	14.3315	-99999	-99999	-99999	999.083	-99999
263.9	88.77	8.40713	13.9689	-99999	-99999	-99999	1015.08	-99999
264	89.0225	8.28373	13.605	-99999	-99999	-99999	1019.18	-99999
264.1	90.2709	8.17442	13.3555	-99999	-99999	-99999	1042.6	-99999
264.2	86.7396	8.08296	13.1459	-99999	-99999	-99999	1068.45	-99999

264.3	86.6903	8.00386	12.9841	-99999	-99999	-99999	1085.29	-99999
264.4	89.3905	7.92769	12.8904	-99999	-99999	-99999	1105.29	-99999
264.5	92.0077	7.86714	12.8322	-99999	-99999	-99999	1097.95	-99999
264.6	93.2041	7.86305	12.8252	-99999	-99999	-99999	1092.22	-99999
264.7	91.7397	7.91877	12.8453	-99999	-99999	-99999	1093.46	-99999
264.8	91.0198	8.01101	12.8375	-99999	-99999	-99999	1079.11	-99999
264.9	91.3806	8.12283	12.8255	-99999	-99999	-99999	1070.23	-99999
265	92.827	8.22853	12.7906	-99999	-99999	-99999	1043.92	-99999
265.1	94.6939	8.31115	12.7351	-99999	-99999	-99999	1013.27	-99999
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265.5	86.6984	8.68687	12.3619	-99999	-99999	-99999	946.199	-99999
265.6	87.3932	8.75114	12.2816	-99999	-99999	-99999	933.426	-99999
265.7	87.8168	8.75272	12.1926	-99999	-99999	-99999	938.062	-99999
265.8	86.4131	8.70626	12.0242	-99999	-99999	-99999	911.586	-99999
265.9	83.4443	8.64277	11.7487	-99999	-99999	-99999	893.701	-99999
266	81.6469	8.58218	11.3963	-99999	-99999	-99999	891.758	-99999
266.1	83.8391	8.52998	11.0003	-99999	-99999	-99999	886.683	-99999
266.2	82.0954	8.48414	10.5956	-99999	-99999	-99999	843.331	-99999
266.3	82.1655	8.39661	10.1971	-99999	-99999	-99999	832.375	-99999
266.4	83.5329	8.25373	9.76374	-99999	-99999	-99999	854.225	-99999
266.5	87.0696	8.08559	9.30672	-99999	-99999	-99999	849.972	-99999
266.6	89.8418	7.94283	8.86999	-99999	-99999	-99999	843.286	-99999
266.7	89.2752	7.82116	8.4566	-99999	-99999	-99999	841.716	-99999
266.8	89.4636	7.72096	8.1087	-99999	-99999	-99999	838.962	-99999
266.9	90.1834	7.62971	7.81863	-99999	-99999	-99999	844.202	-99999
267	89.9492	7.52122	7.53853	-99999	-99999	-99999	837.58	-99999
267.1	89.9801	7.39784	7.28125	-99999	-99999	-99999	834.99	-99999
267.2	94.1804	7.28513	7.03804	-99999	-99999	-99999	821.996	-99999
267.3	96.3203	7.19319	6.83487	-99999	-99999	-99999	792.262	-99999
267.4	97.7149	7.13051	6.66061	-99999	-99999	-99999	772.231	-99999
267.5	99.7074	7.08214	6.52611	-99999	-99999	-99999	754.807	-99999
267.6	103.446	7.02685	6.41299	-99999	-99999	-99999	738.545	-99999
267.7	104.046	6.95825	6.30345	-99999	-99999	-99999	718.606	-99999
267.8	106.992	6.88325	6.1889	-99999	-99999	-99999	687.269	-99999
267.9	112.269	6.80321	6.0727	-99999	-99999	-99999	674.98	-99999
268	114.665	6.71202	5.95217	-99999	-99999	-99999	662.021	-99999
268.1	112.139	6.62552	5.84163	-99999	-99999	-99999	652.509	-99999
268.2	108.582	6.52062	5.72489	-99999	-99999	-99999	663.172	-99999
268.3	102.939	6.39415	5.61041	-99999	-99999	-99999	678.089	-99999
268.4	98.2159	6.26077	5.50162	-99999	-99999	-99999	683.015	-99999
268.5	95.8935	6.13097	5.40582	-99999	-99999	-99999	698.051	-99999
268.6	93.0118	6.01358	5.33694	-99999	-99999	-99999	709.561	-99999
268.7	92.3759	5.91523	5.30054	-99999	-99999	-99999	722.189	-99999
268.8	89.4995	5.83533	5.29653	-99999	-99999	-99999	722.204	-99999
268.9	85.4374	5.78137	5.32121	-99999	-99999	-99999	733.608	-99999

269	84.5958	5.74361	5.37041	-99999	-99999	-99999	750.669	-99999
269.1	87.5951	5.72429	5.43726	-99999	-99999	-99999	747.137	-99999
269.2	92.5497	5.72383	5.51761	-99999	-99999	-99999	739.31	-99999
269.3	97.3098	5.73984	5.61438	-99999	-99999	-99999	740.03	-99999
269.4	100.914	5.77763	5.72574	-99999	-99999	-99999	742.807	-99999
269.5	105.775	5.84041	5.84286	-99999	-99999	-99999	746.488	-99999
269.6	104.484	5.9339	5.96258	-99999	-99999	-99999	762.497	-99999
269.7	105.672	6.06828	6.09395	-99999	-99999	-99999	788.018	-99999
269.8	107.881	6.23508	6.25155	-99999	-99999	-99999	791.063	-99999
269.9	106.782	6.43549	6.452	-99999	-99999	-99999	803.014	-99999
270	108.732	6.66885	6.71504	-99999	-99999	-99999	823.767	-99999
270.1	107.323	6.93425	7.03686	-99999	-99999	-99999	829.545	-99999
270.2	103.133	7.22572	7.41517	-99999	-99999	-99999	830.81	-99999
270.3	101.757	7.5313	7.85019	-99999	-99999	-99999	826.332	-99999
270.4	99.4231	7.83945	8.32532	-99999	-99999	-99999	822.764	-99999
270.5	102.053	8.12675	8.83956	-99999	-99999	-99999	820.679	-99999
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270.7	97.0427	8.51331	9.82748	-99999	-99999	-99999	845.868	-99999
270.8	95.1065	8.58277	10.2369	-99999	-99999	-99999	839.57	-99999
270.9	90.108	8.57498	10.555	-99999	-99999	-99999	842.378	-99999
271	89.7203	8.50834	10.7985	-99999	-99999	-99999	859.071	-99999
271.1	91.8797	8.39242	10.9411	-99999	-99999	-99999	880.863	-99999
271.2	93.2894	8.23701	11.0019	-99999	-99999	-99999	903.875	-99999
271.3	94.6685	8.05326	11.0083	-99999	-99999	-99999	906.849	-99999
271.4	94.479	7.8641	10.9463	-99999	-99999	-99999	910.87	-99999
271.5	95.6394	7.70299	10.8653	-99999	-99999	-99999	912.874	-99999
271.6	100.208	7.59257	10.7741	-99999	-99999	-99999	901.955	-99999
271.7	103.213	7.54392	10.6824	-99999	-99999	-99999	915.243	-99999
271.8	103.74	7.54988	10.6625	-99999	-99999	-99999	937.494	-99999
271.9	103.465	7.60209	10.6656	-99999	-99999	-99999	958.672	-99999
272	104.106	7.70158	10.8157	-99999	-99999	-99999	954.483	-99999
272.1	104.061	7.84497	11.0536	-99999	-99999	-99999	946.843	-99999
272.2	100.821	8.03272	11.4436	-99999	-99999	-99999	961.136	-99999
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272.4	100.216	8.49071	12.5319	-99999	-99999	-99999	979.649	-99999
272.5	98.8644	8.73278	13.2532	-99999	-99999	-99999	985.684	-99999
272.6	100.492	8.96641	13.9518	-99999	-99999	-99999	965.894	-99999
272.7	99.9064	9.18216	14.6558	-99999	-99999	-99999	983.963	-99999
272.8	99.2723	9.34816	15.2292	-99999	-99999	-99999	985.223	-99999
272.9	96.8875	9.4447	15.6857	-99999	-99999	-99999	995.576	-99999
273	98.9133	9.46035	16.0249	-99999	-99999	-99999	1008.91	-99999
273.1	101.321	9.39548	16.1031	-99999	-99999	-99999	999.615	-99999
273.2	99.9533	9.26405	16.0428	-99999	-99999	-99999	1007.38	-99999
273.3	102.902	9.09659	15.7849	-99999	-99999	-99999	1022.12	-99999
273.4	101.543	8.91961	15.4543	-99999	-99999	-99999	1029.75	-99999
273.5	101.944	8.77162	15.1739	-99999	-99999	-99999	1074.86	-99999
273.6	104.601	8.65286	14.9317	-99999	-99999	-99999	1029.63	-99999

273.7	104.461	8.58968	14.8156	-99999	-99999	-99999	1041.96	-99999
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273.9	107.815	8.70737	14.807	-99999	-99999	-99999	1069.98	-99999
274	106.979	8.88747	14.9635	-99999	-99999	-99999	1092.13	-99999
274.1	111.213	9.13463	15.1804	-99999	-99999	-99999	1061.73	-99999
274.2	108.666	9.41042	15.4577	-99999	-99999	-99999	1031.51	-99999
274.3	105.665	9.65119	15.7063	-99999	-99999	-99999	1033.88	-99999
274.4	104.413	9.83612	15.9039	-99999	-99999	-99999	1027.49	-99999
274.5	106.759	9.98869	15.9596	-99999	-99999	-99999	1016.81	-99999
274.6	106.139	10.1318	15.9138	-99999	-99999	-99999	980.184	-99999
274.7	106.424	10.268	15.7585	-99999	-99999	-99999	962.015	-99999
274.8	105.864	10.3827	15.5135	-99999	-99999	-99999	942.342	-99999
274.9	106.263	10.4485	15.283	-99999	-99999	-99999	929.613	-99999
275	97.0635	10.4435	15.0757	-99999	-99999	-99999	931.304	-99999
275.1	102.45	10.3616	14.8903	-99999	-99999	-99999	908.614	-99999
275.2	103.101	10.2815	14.7142	-99999	-99999	-99999	876.265	-99999
275.3	104.397	10.1867	14.5411	-99999	-99999	-99999	854.642	-99999
275.4	101.883	10.0845	14.4069	-99999	-99999	-99999	842.552	-99999
275.5	108.162	9.97167	14.2791	-99999	-99999	-99999	839.62	-99999
275.6	104.971	9.82853	14.1138	-99999	-99999	-99999	827.3	-99999
275.7	105.449	9.62638	13.8447	-99999	-99999	-99999	818.085	-99999
275.8	106.202	9.39243	13.4944	-99999	-99999	-99999	807.214	-99999
275.9	109.849	9.17184	13.1011	-99999	-99999	-99999	794.779	-99999
276	103.813	8.99604	12.7208	-99999	-99999	-99999	816.433	-99999
276.1	107.483	8.86108	12.3902	-99999	-99999	-99999	811.526	-99999
276.2	109.593	8.76868	12.1134	-99999	-99999	-99999	796.012	-99999
276.3	108.421	8.69457	11.9264	-99999	-99999	-99999	806.63	-99999
276.4	106.277	8.62869	11.8783	-99999	-99999	-99999	817.132	-99999
276.5	107.719	8.59156	12.0048	-99999	-99999	-99999	832.131	-99999
276.6	104.372	8.59184	12.2649	-99999	-99999	-99999	836.355	-99999
276.7	103.622	8.62501	12.5945	-99999	-99999	-99999	837.219	-99999
276.8	101.929	8.67426	13.0027	-99999	-99999	-99999	862.535	-99999
276.9	103.17	8.7364	13.4608	-99999	-99999	-99999	880.518	-99999
277	101.871	8.79175	13.9583	-99999	-99999	-99999	895.695	-99999
277.1	98.3455	8.83713	14.5394	-99999	-99999	-99999	913.324	-99999
277.2	93.3281	8.8796	15.1518	-99999	-99999	-99999	920.538	-99999
277.3	87.3891	8.92624	15.7725	-99999	-99999	-99999	927.123	-99999
277.4	85.1988	8.9727	16.4131	-99999	-99999	-99999	925.713	-99999
277.5	85.6658	9.04094	17.0558	-99999	-99999	-99999	933.622	-99999
277.6	85.1854	9.14026	17.7779	-99999	-99999	-99999	952.245	-99999
277.7	83.9337	9.26998	18.4152	-99999	-99999	-99999	957.749	-99999
277.8	81.1773	9.42625	19.0218	-99999	-99999	-99999	971.301	-99999
277.9	79.4661	9.62607	19.5586	-99999	-99999	-99999	983.884	-99999
278	79.167	9.87484	19.897	-99999	-99999	-99999	991.683	-99999
278.1	83.5035	10.1633	20.2215	-99999	-99999	-99999	1014.86	-99999
278.2	86.1361	10.4673	20.4649	-99999	-99999	-99999	1034.52	-99999
278.3	83.1679	10.7892	20.6997	-99999	-99999	-99999	1038.55	-99999

278.4	82.4596	11.1058	20.8742	-99999	-99999	-99999	1024.43	-99999
278.5	86.7046	11.4097	20.9074	-99999	-99999	-99999	1027.97	-99999
278.6	89.561	11.7051	20.9846	-99999	-99999	-99999	1045.24	-99999
278.7	89.2825	11.9692	21.0101	-99999	-99999	-99999	1024.36	-99999
278.8	88.6046	12.1807	20.9705	-99999	-99999	-99999	999.485	-99999
278.9	87.5529	12.2984	20.9236	-99999	-99999	-99999	1006.26	-99999
279	86.0016	12.3104	20.8614	-99999	-99999	-99999	998.729	-99999
279.1	86.2688	12.2129	20.7098	-99999	-99999	-99999	979.55	-99999
279.2	91.9507	12.0089	20.3587	-99999	-99999	-99999	983.165	-99999
279.3	95.8931	11.7383	20.0194	-99999	-99999	-99999	1005.18	-99999
279.4	92.856	11.3856	19.5848	-99999	-99999	-99999	1012.86	-99999
279.5	93.6967	10.9848	19.2068	-99999	-99999	-99999	1002.11	-99999
279.6	94.4549	10.5505	18.7215	-99999	-99999	-99999	1027.61	-99999
279.7	93.9179	10.1075	18.2509	-99999	-99999	-99999	1049.97	-99999
279.8	94.8293	9.70454	17.7577	-99999	-99999	-99999	1048.43	-99999
279.9	100.141	9.36316	17.1694	-99999	-99999	-99999	1013.72	-99999
280	101.663	9.11713	16.6518	-99999	-99999	-99999	1011.24	-99999
280.1	99.1423	8.93801	16.2569	-99999	-99999	-99999	1023.23	-99999
280.2	99.6573	8.81602	15.9759	-99999	-99999	-99999	1015.99	-99999
280.3	101.099	8.76373	15.8773	-99999	-99999	-99999	1003.43	-99999
280.4	100.214	8.77874	15.7478	-99999	-99999	-99999	975.209	-99999
280.5	101.281	8.85692	15.7328	-99999	-99999	-99999	966.677	-99999
280.6	105.903	8.99317	15.8433	-99999	-99999	-99999	959.455	-99999
280.7	109.785	9.1802	15.9985	-99999	-99999	-99999	938.359	-99999
280.8	109.467	9.40306	16.1834	-99999	-99999	-99999	953.264	-99999
280.9	109.673	9.62882	16.3261	-99999	-99999	-99999	920.476	-99999
281	113.011	9.82133	16.4196	-99999	-99999	-99999	903.669	-99999
281.1	113.669	9.97238	16.4261	-99999	-99999	-99999	896.407	-99999
281.2	116.92	10.0743	16.3356	-99999	-99999	-99999	893.975	-99999
281.3	119.264	10.1135	16.2077	-99999	-99999	-99999	890.588	-99999
281.4	120.74	10.082	16.0547	-99999	-99999	-99999	906.339	-99999
281.5	121.741	9.97313	15.853	-99999	-99999	-99999	880.631	-99999
281.6	118.668	9.78772	15.7215	-99999	-99999	-99999	861.568	-99999
281.7	113.038	9.53727	15.619	-99999	-99999	-99999	859.104	-99999
281.8	116.43	9.23775	15.553	-99999	-99999	-99999	866.453	-99999
281.9	114.664	8.93825	15.5187	-99999	-99999	-99999	857.876	-99999
282	114.226	8.66882	15.4555	-99999	-99999	-99999	836.496	-99999
282.1	116.751	8.4212	15.3613	-99999	-99999	-99999	807.713	-99999
282.2	120.875	8.16965	15.1844	-99999	-99999	-99999	803.623	-99999
282.3	125.634	7.92833	14.9168	-99999	-99999	-99999	784.758	-99999
282.4	127.847	7.6965	14.5739	-99999	-99999	-99999	809.591	-99999
282.5	134.711	7.48604	14.1152	-99999	-99999	-99999	821.947	-99999
282.6	136.776	7.30682	13.5908	-99999	-99999	-99999	811.748	-99999
282.7	137.312	7.18243	13.0373	-99999	-99999	-99999	819.897	-99999
282.8	137.416	7.14339	12.5056	-99999	-99999	-99999	841.274	-99999
282.9	136.737	7.18264	12.0641	-99999	-99999	-99999	858.351	-99999
283	133.192	7.31214	11.7918	-99999	-99999	-99999	873.449	-99999

283.1	128.085	7.53227	11.8188	-99999	-99999	-99999	888.109	-99999
283.2	124.811	7.82483	12.1756	-99999	-99999	-99999	912.366	-99999
283.3	118.044	8.19756	12.8573	-99999	-99999	-99999	914.479	-99999
283.4	116.384	8.63236	13.7602	-99999	-99999	-99999	915.389	-99999
283.5	116.211	9.10964	14.7913	-99999	-99999	-99999	930.754	-99999
283.6	110.146	9.61961	15.8773	-99999	-99999	-99999	924.56	-99999
283.7	109.46	10.0973	16.9207	-99999	-99999	-99999	915.374	-99999
283.8	108.735	10.4742	17.806	-99999	-99999	-99999	941.293	-99999
283.9	111.378	10.6829	18.4485	-99999	-99999	-99999	962.262	-99999
284	112.39	10.7452	18.7468	-99999	-99999	-99999	951.604	-99999
284.1	110.805	10.6803	18.6227	-99999	-99999	-99999	934.996	-99999
284.2	111.076	10.5019	18.1962	-99999	-99999	-99999	939.471	-99999
284.3	110.714	10.2361	17.631	-99999	-99999	-99999	950.669	-99999
284.4	110.747	9.89601	16.9985	-99999	-99999	-99999	956.97	-99999
284.5	113.628	9.50365	16.3617	-99999	-99999	-99999	978.108	-99999
284.6	115.051	9.10478	15.7691	-99999	-99999	-99999	990.047	-99999
284.7	114.486	8.75544	15.2636	-99999	-99999	-99999	969.072	-99999
284.8	113.104	8.50025	14.866	-99999	-99999	-99999	980.967	-99999
284.9	109.756	8.33466	14.6317	-99999	-99999	-99999	1000.2	-99999
285	109.143	8.24979	14.5737	-99999	-99999	-99999	1002.72	-99999
285.1	110.02	8.2211	14.5193	-99999	-99999	-99999	1008.99	-99999
285.2	109.282	8.22945	14.4786	-99999	-99999	-99999	1012.66	-99999
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285.5	102.931	8.42974	14.5185	-99999	-99999	-99999	972.641	-99999
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285.7	98.3492	8.59021	14.7613	-99999	-99999	-99999	933.368	-99999
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286.2	95.0659	8.88419	15.6109	-99999	-99999	-99999	890.473	-99999
286.3	102.424	8.89293	15.6471	-99999	-99999	-99999	875.547	-99999
286.4	110.078	8.87462	15.6423	-99999	-99999	-99999	876.761	-99999
286.5	112.604	8.83752	15.5191	-99999	-99999	-99999	894.267	-99999
286.6	112.772	8.79852	15.3834	-99999	-99999	-99999	883.921	-99999
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287.6	107.252	8.11357	14.3301	-99999	-99999	-99999	1009.74	-99999
287.7	107.718	8.08751	14.3484	-99999	-99999	-99999	1026.21	-99999

287.8	105.996	8.06795	14.3709	-99999	-99999	-99999	1025.81	-99999
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289.1	93.0096	9.62596	15.0015	-99999	-99999	-99999	1007.83	-99999
289.2	94.4694	9.84726	15.1751	-99999	-99999	-99999	1006.17	-99999
289.3	90.6076	9.99087	15.2778	-99999	-99999	-99999	978.957	-99999
289.4	89.9158	10.0482	15.2497	-99999	-99999	-99999	974.436	-99999
289.5	88.7179	10.0168	15.0862	-99999	-99999	-99999	957.836	-99999
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289.7	103.281	9.77324	14.3965	-99999	-99999	-99999	962.034	-99999
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289.9	103.914	9.30921	13.2341	-99999	-99999	-99999	982.963	-99999
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290.4	123.39	8.29075	10.9564	-99999	-99999	-99999	887.767	-99999
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290.8	108.25	8.17325	10.7606	-99999	-99999	-99999	844.449	-99999
290.9	105.078	8.15246	10.7658	-99999	-99999	-99999	831.482	-99999
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291.3	101.677	8.06787	10.4688	-99999	-99999	-99999	841.495	-99999
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293.8	76.6392	8.12828	11.0826	-99999	-99999	-99999	1223.66	-99999
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294.1	75.3764	8.53039	11.5883	-99999	-99999	-99999	1250.17	-99999
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294.7	74.8836	8.92987	11.636	-99999	-99999	-99999	1213.44	-99999
294.8	73.8818	8.86232	11.3874	-99999	-99999	-99999	1212.93	-99999
294.9	74.8564	8.75917	11.069	-99999	-99999	-99999	1208.67	-99999
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296.4	92.9542	6.6956	7.18166	-99999	-99999	-99999	773.774	-99999
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296.6	99.0591	6.41852	6.69124	-99999	-99999	-99999	779.096	-99999
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296.8	93.9762	6.23935	6.2862	-99999	-99999	-99999	781.913	-99999
296.9	94.0782	6.18936	6.14044	-99999	-99999	-99999	769.392	-99999
297	90.4079	6.16336	6.03036	-99999	-99999	-99999	773.914	-99999
297.1	89.4804	6.15402	5.94986	-99999	-99999	-99999	762.255	-99999

297.2	82.3994	6.16147	5.89326	-99999	-99999	-99999	739.726	-99999
297.3	85.2421	6.17813	5.85909	-99999	-99999	-99999	733.715	-99999
297.4	82.4178	6.20705	5.84645	-99999	-99999	-99999	725.181	-99999
297.5	80.5796	6.23842	5.83742	-99999	-99999	-99999	696.327	-99999
297.6	81.0171	6.26082	5.82791	-99999	-99999	-99999	669.751	-99999
297.7	80.148	6.27868	5.81761	-99999	-99999	-99999	670.054	-99999
297.8	81.9385	6.28116	5.79899	-99999	-99999	-99999	669.939	-99999
297.9	86.9553	6.27223	5.77946	-99999	-99999	-99999	657.295	-99999
298	86.794	6.24916	5.75679	-99999	-99999	-99999	652.992	-99999
298.1	87.3666	6.21464	5.728	-99999	-99999	-99999	653.829	-99999
298.2	87.927	6.17095	5.68765	-99999	-99999	-99999	669.395	-99999
298.3	88.4196	6.11521	5.63425	-99999	-99999	-99999	702.232	-99999
298.4	85.6063	6.05174	5.5759	-99999	-99999	-99999	729.565	-99999
298.5	86.2291	5.98566	5.51355	-99999	-99999	-99999	723.769	-99999
298.6	86.8001	5.91627	5.44526	-99999	-99999	-99999	707.937	-99999
298.7	85.4091	5.84654	5.37882	-99999	-99999	-99999	709.072	-99999
298.8	85.3028	5.77568	5.3121	-99999	-99999	-99999	702.405	-99999
298.9	88.1928	5.7106	5.25069	-99999	-99999	-99999	689.234	-99999
299	91.3406	5.65512	5.19713	-99999	-99999	-99999	680.86	-99999
299.1	91.6731	5.60972	5.15585	-99999	-99999	-99999	661.769	-99999
299.2	92.1244	5.57495	5.13472	-99999	-99999	-99999	637.549	-99999
299.3	94.8025	5.55052	5.12733	-99999	-99999	-99999	620.879	-99999
299.4	96.5829	5.53659	5.12984	-99999	-99999	-99999	631.969	-99999
299.5	100.14	5.53154	5.14585	-99999	-99999	-99999	645.015	-99999
299.6	99.2831	5.53355	5.16931	-99999	-99999	-99999	645.162	-99999
299.7	96.0457	5.54161	5.20389	-99999	-99999	-99999	661.307	-99999
299.8	95.4125	5.55217	5.24259	-99999	-99999	-99999	688.127	-99999
299.9	92.9229	5.56215	5.27952	-99999	-99999	-99999	710.107	-99999
300	92.7132	5.57248	5.32084	-99999	-99999	-99999	726.05	-99999
300.1	93.4313	5.58507	5.35397	-99999	-99999	-99999	727.999	-99999
300.2	92.7204	5.59395	5.38246	-99999	-99999	-99999	727.771	-99999
300.3	89.7157	5.59851	5.40379	-99999	-99999	-99999	732.76	-99999
300.4	86.5174	5.59857	5.42261	-99999	-99999	-99999	729.708	-99999
300.5	87.016	5.60145	5.43136	-99999	-99999	-99999	729.961	-99999
300.6	87.4696	5.60289	5.43254	-99999	-99999	-99999	734.459	-99999
300.7	84.213	5.60327	5.42365	-99999	-99999	-99999	720.748	-99999
300.8	82.5092	5.60459	5.40711	-99999	-99999	-99999	719.711	-99999
300.9	83.8512	5.60375	5.38869	-99999	-99999	-99999	724.252	-99999
301	87.397	5.59954	5.37207	-99999	-99999	-99999	754.55	-99999
301.1	86.5134	5.59898	5.34869	-99999	-99999	-99999	753.776	-99999
301.2	88.3876	5.59559	5.32077	-99999	-99999	-99999	741.535	-99999
301.3	88.3129	5.59436	5.29122	-99999	-99999	-99999	755.428	-99999
301.4	86.2346	5.58809	5.26311	-99999	-99999	-99999	765.236	-99999
301.5	84.8848	5.57866	5.22569	-99999	-99999	-99999	766.374	-99999
301.6	87.7976	5.56262	5.19059	-99999	-99999	-99999	756.624	-99999
301.7	88.489	5.54116	5.15228	-99999	-99999	-99999	736.388	-99999
301.8	84.8791	5.51202	5.10129	-99999	-99999	-99999	711.977	-99999

301.9	79.6393	5.48131	5.04685	-99999	-99999	-99999	676.873	-99999
302	80.1866	5.44361	4.9839	-99999	-99999	-99999	685.012	-99999
302.1	81.765	5.40378	4.91748	-99999	-99999	-99999	700.03	-99999
302.2	83.2676	5.35703	4.84678	-99999	-99999	-99999	692.53	-99999
302.3	88.8111	5.30936	4.77497	-99999	-99999	-99999	685.076	-99999
302.4	91.0543	5.26314	4.70601	-99999	-99999	-99999	663.918	-99999
302.5	88.389	5.22168	4.63545	-99999	-99999	-99999	671.498	-99999
302.6	88.8059	5.18367	4.5678	-99999	-99999	-99999	682.055	-99999
302.7	88.7351	5.15223	4.50751	-99999	-99999	-99999	705.511	-99999
302.8	94.7657	5.12778	4.45246	-99999	-99999	-99999	714.033	-99999
302.9	95.5718	5.10825	4.40902	-99999	-99999	-99999	719.084	-99999
303	95.093	5.1025	4.37013	-99999	-99999	-99999	706.25	-99999
303.1	95.479	5.10741	4.33664	-99999	-99999	-99999	694.841	-99999
303.2	92.9786	5.11521	4.31293	-99999	-99999	-99999	674.982	-99999
303.3	90.3686	5.13203	4.29687	-99999	-99999	-99999	701.897	-99999
303.4	92.4677	5.16299	4.29157	-99999	-99999	-99999	717.268	-99999
303.5	95.6276	5.20137	4.29501	-99999	-99999	-99999	708.637	-99999
303.6	93.9855	5.24507	4.30164	-99999	-99999	-99999	709.851	-99999
303.7	89.6881	5.29435	4.31445	-99999	-99999	-99999	716.397	-99999
303.8	92.4931	5.35089	4.33692	-99999	-99999	-99999	710.95	-99999
303.9	91.8394	5.40797	4.3692	-99999	-99999	-99999	703.982	-99999
304	94.8151	5.46384	4.4089	-99999	-99999	-99999	714.083	-99999
304.1	101.143	5.5191	4.45584	-99999	-99999	-99999	727.451	-99999
304.2	103.015	5.57271	4.51519	-99999	-99999	-99999	699.793	-99999
304.3	101.197	5.62124	4.58781	-99999	-99999	-99999	691.473	-99999
304.4	100.425	5.67073	4.67236	-99999	-99999	-99999	697.612	-99999
304.5	102.832	5.71081	4.76323	-99999	-99999	-99999	670.218	-99999
304.6	104.806	5.7495	4.86053	-99999	-99999	-99999	635.849	-99999
304.7	103.608	5.78377	4.96416	-99999	-99999	-99999	614.083	-99999
304.8	104.919	5.81896	5.07155	-99999	-99999	-99999	608.578	-99999
304.9	101.94	5.8581	5.18113	-99999	-99999	-99999	606.93	-99999
305	94.7573	5.90075	5.29658	-99999	-99999	-99999	605.79	-99999
305.1	95.2934	5.94892	5.42239	-99999	-99999	-99999	605.404	-99999
305.2	100.271	6.00372	5.56136	-99999	-99999	-99999	592.29	-99999
305.3	100.429	6.07718	5.72322	-99999	-99999	-99999	583.184	-99999
305.4	98.3321	6.18158	5.92269	-99999	-99999	-99999	590.723	-99999
305.5	96.1595	6.318	6.15388	-99999	-99999	-99999	604.461	-99999
305.6	90.3293	6.49	6.43429	-99999	-99999	-99999	615.29	-99999
305.7	86.5039	6.69471	6.754	-99999	-99999	-99999	626.561	-99999
305.8	87.2381	6.93024	7.12191	-99999	-99999	-99999	628.048	-99999
305.9	87.9758	7.19258	7.51704	-99999	-99999	-99999	624.674	-99999
306	86.3198	7.48077	7.92148	-99999	-99999	-99999	621.917	-99999
306.1	82.0572	7.79498	8.34333	-99999	-99999	-99999	615.828	-99999
306.2	80.9557	8.12735	8.76198	-99999	-99999	-99999	608.763	-99999
306.3	80.7787	8.46144	9.17229	-99999	-99999	-99999	625.96	-99999
306.4	81.4976	8.76363	9.54951	-99999	-99999	-99999	654.204	-99999
306.5	83.2311	9.00934	9.88752	-99999	-99999	-99999	688.4	-99999

306.6	82.3316	9.18695	10.1944	-99999	-99999	-99999	685.071	-99999
306.7	80.3553	9.29352	10.4444	-99999	-99999	-99999	699.9	-99999
306.8	80.94	9.34469	10.6448	-99999	-99999	-99999	717.623	-99999
306.9	81.805	9.35723	10.8129	-99999	-99999	-99999	741.743	-99999
307	82.7334	9.34229	10.9453	-99999	-99999	-99999	765.848	-99999
307.1	83.8447	9.29518	11.0372	-99999	-99999	-99999	804.076	-99999
307.2	83.0797	9.22457	11.1205	-99999	-99999	-99999	822.178	-99999
307.3	84.7482	9.17139	11.2635	-99999	-99999	-99999	846.334	-99999
307.4	89.6171	9.1555	11.4272	-99999	-99999	-99999	848.895	-99999
307.5	91.1504	9.21093	11.601	-99999	-99999	-99999	878.833	-99999
307.6	90.0448	9.36242	11.8358	-99999	-99999	-99999	899.675	-99999
307.7	91.5435	9.58094	12.1667	-99999	-99999	-99999	917.283	-99999
307.8	93.3939	9.87102	12.6157	-99999	-99999	-99999	941.639	-99999
307.9	94.4647	10.1882	13.1477	-99999	-99999	-99999	951.497	-99999
308	95.5821	10.489	13.8076	-99999	-99999	-99999	938.926	-99999
308.1	95.0382	10.7997	14.4882	-99999	-99999	-99999	940.007	-99999
308.2	91.1948	11.1512	15.1109	-99999	-99999	-99999	889.778	-99999
308.3	88.8837	11.5277	15.7472	-99999	-99999	-99999	875.521	-99999
308.4	91.9415	11.8582	16.4555	-99999	-99999	-99999	865.297	-99999
308.5	97.2695	12.1158	17.1218	-99999	-99999	-99999	822.763	-99999
308.6	95.1752	12.2873	17.7857	-99999	-99999	-99999	783.283	-99999
308.7	94.5853	12.3288	18.2707	-99999	-99999	-99999	753.685	-99999
308.8	90.6057	12.3215	18.6559	-99999	-99999	-99999	732.453	-99999
308.9	89.9806	12.3131	18.8576	-99999	-99999	-99999	711.088	-99999
309	90.9798	12.2745	18.9937	-99999	-99999	-99999	682.427	-99999
309.1	92.4943	12.1599	19.0154	-99999	-99999	-99999	691.997	-99999
309.2	91.3951	11.9512	18.9018	-99999	-99999	-99999	671.855	-99999
309.3	92.3049	11.6885	18.5932	-99999	-99999	-99999	665.818	-99999
309.4	91.4418	11.3823	18.1429	-99999	-99999	-99999	664.161	-99999
309.5	90.6364	11.1083	17.5988	-99999	-99999	-99999	664.764	-99999
309.6	86.7098	10.8958	17.0749	-99999	-99999	-99999	652.147	-99999
309.7	89.3199	10.6895	16.558	-99999	-99999	-99999	668.667	-99999
309.8	92.2531	10.4838	16.0999	-99999	-99999	-99999	689.039	-99999
309.9	95.7785	10.2535	15.6791	-99999	-99999	-99999	685.017	-99999
310	96.9365	10.0515	15.3498	-99999	-99999	-99999	668.563	-99999
310.1	93.6969	9.96621	15.1075	-99999	-99999	-99999	688.162	-99999
310.2	93.6237	9.98032	15.0288	-99999	-99999	-99999	684.544	-99999
310.3	89.6581	10.0765	15.1116	-99999	-99999	-99999	687.167	-99999
310.4	90.7209	10.2171	15.3222	-99999	-99999	-99999	689.942	-99999
310.5	91.7812	10.417	15.6101	-99999	-99999	-99999	692.001	-99999
310.6	91.171	10.6568	15.9254	-99999	-99999	-99999	684.285	-99999
310.7	89.0998	10.9738	16.2955	-99999	-99999	-99999	674.54	-99999
310.8	86.575	11.3625	16.7521	-99999	-99999	-99999	682.658	-99999
310.9	84.9328	11.7721	17.2723	-99999	-99999	-99999	704.072	-99999
311	86.658	12.1534	17.7947	-99999	-99999	-99999	703.673	-99999
311.1	80.6799	12.447	18.2324	-99999	-99999	-99999	696.749	-99999
311.2	80.7821	12.6307	18.6018	-99999	-99999	-99999	698.903	-99999

311.3	82.6393	12.7446	18.9109	-99999	-99999	-99999	703.478	-99999
311.4	86.7647	12.777	19.1722	-99999	-99999	-99999	698.863	-99999
311.5	85.5551	12.7077	19.4116	-99999	-99999	-99999	689.243	-99999
311.6	82.3333	12.5226	19.5239	-99999	-99999	-99999	692.377	-99999
311.7	83.3389	12.2243	19.4946	-99999	-99999	-99999	689.767	-99999
311.8	83.2744	11.8431	19.417	-99999	-99999	-99999	673.132	-99999
311.9	86.4624	11.397	19.2779	-99999	-99999	-99999	676.601	-99999
312	90.0648	10.9826	19.1366	-99999	-99999	-99999	687.66	-99999
312.1	88.9208	10.6251	18.9	-99999	-99999	-99999	686.317	-99999
312.2	83.1366	10.2873	18.6532	-99999	-99999	-99999	688.924	-99999
312.3	84.4036	9.98288	18.3959	-99999	-99999	-99999	687.677	-99999
312.4	88.9235	9.7604	18.1607	-99999	-99999	-99999	690.936	-99999
312.5	88.9856	9.6454	17.9993	-99999	-99999	-99999	679.904	-99999
312.6	88.1164	9.65805	17.8938	-99999	-99999	-99999	676.385	-99999
312.7	91.3116	9.80941	17.7963	-99999	-99999	-99999	682.918	-99999
312.8	89.4412	10.1098	17.7895	-99999	-99999	-99999	674.289	-99999
312.9	86.3265	10.5606	17.8522	-99999	-99999	-99999	681.828	-99999
313	87.6093	11.1738	17.9669	-99999	-99999	-99999	686.116	-99999
313.1	88.9095	11.9354	18.025	-99999	-99999	-99999	684.874	-99999
313.2	84.6488	12.8564	18.0872	-99999	-99999	-99999	706.779	-99999
313.3	79.2271	13.9385	18.1069	-99999	-99999	-99999	695.21	-99999
313.4	78.2192	15.1672	18.1426	-99999	-99999	-99999	692.498	-99999
313.5	76.0455	16.4437	18.0997	-99999	-99999	-99999	683.206	-99999
313.6	71.8637	17.6161	18.0883	-99999	-99999	-99999	670.61	-99999
313.7	70.6862	18.593	18.026	-99999	-99999	-99999	679.08	-99999
313.8	73.0927	19.2624	17.9568	-99999	-99999	-99999	668.052	-99999
313.9	75.0123	19.5806	17.8925	-99999	-99999	-99999	653.203	-99999
314	75.9046	19.5697	17.9036	-99999	-99999	-99999	656.573	-99999
314.1	78.8495	19.2281	17.988	-99999	-99999	-99999	655.14	-99999
314.2	81.1231	18.5578	18.0551	-99999	-99999	-99999	645.213	-99999
314.3	81.1714	17.6048	18.1318	-99999	-99999	-99999	642.473	-99999
314.4	82.0024	16.4421	18.1504	-99999	-99999	-99999	655.633	-99999
314.5	82.4925	15.2169	18.0722	-99999	-99999	-99999	645.741	-99999
314.6	83.8969	14.0348	17.9448	-99999	-99999	-99999	633.856	-99999
314.7	83.4535	13.0006	17.7532	-99999	-99999	-99999	628.592	-99999
314.8	85.4711	12.1611	17.5938	-99999	-99999	-99999	637.79	-99999
314.9	84.9123	11.4905	17.3704	-99999	-99999	-99999	624.801	-99999
315	83.3488	11.0035	17.1741	-99999	-99999	-99999	616.129	-99999
315.1	84.2022	10.6662	16.9989	-99999	-99999	-99999	642.795	-99999
315.2	84.6923	10.4358	16.9365	-99999	-99999	-99999	633.391	-99999
315.3	83.6245	10.3368	17.0271	-99999	-99999	-99999	615.378	-99999
315.4	83.6014	10.3212	17.1675	-99999	-99999	-99999	630.041	-99999
315.5	84.8156	10.3679	17.4173	-99999	-99999	-99999	626.425	-99999
315.6	84.4652	10.4487	17.7571	-99999	-99999	-99999	622.252	-99999
315.7	86.1117	10.5427	18.0204	-99999	-99999	-99999	629.003	-99999
315.8	85.0756	10.6222	18.2637	-99999	-99999	-99999	626.513	-99999
315.9	83.74	10.6964	18.3559	-99999	-99999	-99999	639.136	-99999

316	85.4987	10.7488	18.4092	-99999	-99999	-99999	630.388	-99999
316.1	87.483	10.7962	18.3231	-99999	-99999	-99999	636.719	-99999
316.2	92.3417	10.8165	18.1647	-99999	-99999	-99999	657.875	-99999
316.3	92.5884	10.8479	17.9886	-99999	-99999	-99999	658.277	-99999
316.4	90.6132	10.8592	17.7309	-99999	-99999	-99999	661.611	-99999
316.5	92.3327	10.8782	17.4927	-99999	-99999	-99999	655.219	-99999
316.6	88.9235	10.9243	17.312	-99999	-99999	-99999	642.579	-99999
316.7	94.7807	10.9868	17.1579	-99999	-99999	-99999	646.913	-99999
316.8	96.9128	11.0568	17.125	-99999	-99999	-99999	635.41	-99999
316.9	96.1953	11.1265	17.1557	-99999	-99999	-99999	641.979	-99999
317	95.3131	11.1977	17.26	-99999	-99999	-99999	641.853	-99999
317.1	89.0687	11.2668	17.4496	-99999	-99999	-99999	633.736	-99999
317.2	92.0323	11.3202	17.7158	-99999	-99999	-99999	635.228	-99999
317.3	92.6913	11.3704	18.0239	-99999	-99999	-99999	644.501	-99999
317.4	87.3033	11.384	18.2951	-99999	-99999	-99999	667.521	-99999
317.5	87.9178	11.3483	18.5688	-99999	-99999	-99999	699.831	-99999
317.6	84.3548	11.2879	18.838	-99999	-99999	-99999	714.241	-99999
317.7	86.5641	11.1823	19.0247	-99999	-99999	-99999	720.903	-99999
317.8	85.743	11.0356	19.1149	-99999	-99999	-99999	733.522	-99999
317.9	86.5863	10.8551	19.1123	-99999	-99999	-99999	747.275	-99999
318	94.5283	10.652	19.0195	-99999	-99999	-99999	754.795	-99999
318.1	97.223	10.4355	18.8159	-99999	-99999	-99999	757.988	-99999
318.2	100.73	10.2113	18.5667	-99999	-99999	-99999	755.285	-99999
318.3	103.471	9.9969	18.2976	-99999	-99999	-99999	755.52	-99999
318.4	107.751	9.8024	18.0021	-99999	-99999	-99999	745.262	-99999
318.5	109.578	9.62987	17.7102	-99999	-99999	-99999	740.827	-99999
318.6	107.157	9.49619	17.4582	-99999	-99999	-99999	741.93	-99999
318.7	108.873	9.40422	17.2556	-99999	-99999	-99999	748.763	-99999
318.8	108.35	9.35819	17.14	-99999	-99999	-99999	756.584	-99999
318.9	102.702	9.36117	17.0579	-99999	-99999	-99999	766.018	-99999
319	97.9053	9.40709	17.0747	-99999	-99999	-99999	778.09	-99999
319.1	93.7979	9.50144	17.1537	-99999	-99999	-99999	786.557	-99999
319.2	92.4654	9.64279	17.2798	-99999	-99999	-99999	786.866	-99999
319.3	89.5358	9.81308	17.4262	-99999	-99999	-99999	774.833	-99999
319.4	86.367	9.99254	17.6699	-99999	-99999	-99999	779.461	-99999
319.5	86.2882	10.1654	17.9102	-99999	-99999	-99999	783.57	-99999
319.6	86.8991	10.3286	18.1859	-99999	-99999	-99999	775.803	-99999
319.7	85.6199	10.4658	18.4356	-99999	-99999	-99999	783.426	-99999
319.8	86.2869	10.5604	18.6832	-99999	-99999	-99999	784.922	-99999
319.9	85.0994	10.6142	18.8866	-99999	-99999	-99999	771.17	-99999
320	86.4615	10.6228	18.983	-99999	-99999	-99999	770.045	-99999
320.1	88.9411	10.5859	19.0098	-99999	-99999	-99999	787.317	-99999
320.2	88.256	10.5069	19.0171	-99999	-99999	-99999	809.255	-99999
320.3	89.4742	10.4014	18.8586	-99999	-99999	-99999	814.257	-99999
320.4	85.9944	10.2885	18.7735	-99999	-99999	-99999	824.383	-99999
320.5	84.1839	10.1764	18.6092	-99999	-99999	-99999	823.094	-99999
320.6	83.2196	10.0714	18.4814	-99999	-99999	-99999	816.244	-99999

320.7	80.1722	9.98511	18.3653	-99999	-99999	-99999	809.818	-99999
320.8	81.4649	9.91759	18.2499	-99999	-99999	-99999	805.188	-99999
320.9	81.7302	9.86653	18.2957	-99999	-99999	-99999	796.018	-99999
321	79.1927	9.83941	18.352	-99999	-99999	-99999	780.884	-99999
321.1	75.3949	9.84029	18.3979	-99999	-99999	-99999	758.679	-99999
321.2	72.4635	9.86662	18.5153	-99999	-99999	-99999	763.432	-99999
321.3	71.4643	9.90924	18.5675	-99999	-99999	-99999	773.989	-99999
321.4	71.0144	9.9538	18.681	-99999	-99999	-99999	788.004	-99999
321.5	72.7945	10.0067	18.6905	-99999	-99999	-99999	794.907	-99999
321.6	76.5245	10.0534	18.6495	-99999	-99999	-99999	792.388	-99999
321.7	77.9429	10.1091	18.6472	-99999	-99999	-99999	823.544	-99999
321.8	76.9218	10.1774	18.5097	-99999	-99999	-99999	824.366	-99999
321.9	78.8423	10.2538	18.5225	-99999	-99999	-99999	836.557	-99999
322	81.2102	10.3497	18.558	-99999	-99999	-99999	872.356	-99999
322.1	83.2349	10.4542	18.5693	-99999	-99999	-99999	858.267	-99999
322.2	85.4667	10.5648	18.5447	-99999	-99999	-99999	844.1	-99999
322.3	84.1731	10.6897	18.5623	-99999	-99999	-99999	855.616	-99999
322.4	81.9956	10.8171	18.6381	-99999	-99999	-99999	831.755	-99999
322.5	81.2917	10.9694	18.7978	-99999	-99999	-99999	842.975	-99999
322.6	78.6017	11.1206	18.9737	-99999	-99999	-99999	815.186	-99999
322.7	78.1777	11.2474	19.1696	-99999	-99999	-99999	787.919	-99999
322.8	76.991	11.356	19.2901	-99999	-99999	-99999	767.528	-99999
322.9	78.2124	11.4058	19.451	-99999	-99999	-99999	724.405	-99999
323	78.8832	11.427	19.6393	-99999	-99999	-99999	696.477	-99999
323.1	76.7776	11.395	19.8321	-99999	-99999	-99999	660.289	-99999
323.2	79.1316	11.3228	19.9132	-99999	-99999	-99999	640.819	-99999
323.3	79.229	11.2075	19.9252	-99999	-99999	-99999	632.961	-99999
323.4	76.3367	11.0531	19.8497	-99999	-99999	-99999	614.108	-99999
323.5	74.539	10.8647	19.6521	-99999	-99999	-99999	611.976	-99999
323.6	72.5318	10.6576	19.4318	-99999	-99999	-99999	606.91	-99999
323.7	71.4621	10.4379	19.1642	-99999	-99999	-99999	606.914	-99999
323.8	67.6864	10.238	18.8305	-99999	-99999	-99999	617.977	-99999
323.9	67.4827	10.0483	18.4043	-99999	-99999	-99999	613.21	-99999
324	66.0391	9.88391	17.9416	-99999	-99999	-99999	607.92	-99999
324.1	62.0883	9.7301	17.5065	-99999	-99999	-99999	597.921	-99999
324.2	63.8625	9.60645	17.093	-99999	-99999	-99999	599.074	-99999
324.3	64.8701	9.49704	16.6769	-99999	-99999	-99999	597.873	-99999
324.4	70.52	9.41509	16.2785	-99999	-99999	-99999	595.269	-99999
324.5	70.0815	9.35542	15.8958	-99999	-99999	-99999	607.995	-99999
324.6	71.6831	9.30424	15.5128	-99999	-99999	-99999	621.312	-99999
324.7	72.3359	9.25973	15.1676	-99999	-99999	-99999	624.683	-99999
324.8	74.3514	9.21967	14.9065	-99999	-99999	-99999	639.585	-99999
324.9	77.645	9.18259	14.744	-99999	-99999	-99999	652.754	-99999
325	78.396	9.15675	14.664	-99999	-99999	-99999	652.916	-99999
325.1	76.7147	9.13459	14.6235	-99999	-99999	-99999	652.762	-99999
325.2	74.3527	9.11158	14.7069	-99999	-99999	-99999	665.294	-99999
325.3	74.5256	9.08863	14.8613	-99999	-99999	-99999	673.707	-99999

325.4	76.5981	9.06857	15.07	-99999	-99999	-99999	660.829	-99999
325.5	74.8093	9.05113	15.342	-99999	-99999	-99999	649.9	-99999
325.6	75.2853	9.03285	15.6401	-99999	-99999	-99999	662.303	-99999
325.7	75.0302	9.01702	15.9296	-99999	-99999	-99999	672.055	-99999
325.8	77.4185	9.01214	16.2091	-99999	-99999	-99999	685.339	-99999
325.9	77.846	9.0138	16.4442	-99999	-99999	-99999	709.073	-99999
326	79.71	9.01475	16.6916	-99999	-99999	-99999	728.112	-99999
326.1	80.3995	9.0238	16.8503	-99999	-99999	-99999	745.926	-99999
326.2	77.9384	9.04383	17.0028	-99999	-99999	-99999	765.058	-99999
326.3	75.6611	9.0788	17.1638	-99999	-99999	-99999	780.488	-99999
326.4	76.5862	9.13812	17.2937	-99999	-99999	-99999	797.083	-99999
326.5	75.3191	9.22044	17.4561	-99999	-99999	-99999	807.503	-99999
326.6	74.892	9.31757	17.6761	-99999	-99999	-99999	825.124	-99999
326.7	74.3032	9.42291	17.9193	-99999	-99999	-99999	830.606	-99999
326.8	75.3586	9.53917	18.19	-99999	-99999	-99999	821.461	-99999
326.9	75.6331	9.66566	18.4712	-99999	-99999	-99999	810.811	-99999
327	75.8758	9.80327	18.7374	-99999	-99999	-99999	801.001	-99999
327.1	74.6663	9.94468	19.0203	-99999	-99999	-99999	817.376	-99999
327.2	73.4651	10.0871	19.2055	-99999	-99999	-99999	842.345	-99999
327.3	71.5156	10.229	19.3147	-99999	-99999	-99999	844.131	-99999
327.4	68.6601	10.3586	19.359	-99999	-99999	-99999	842.132	-99999
327.5	66.562	10.4777	19.3057	-99999	-99999	-99999	843.238	-99999
327.6	67.5535	10.6047	19.2216	-99999	-99999	-99999	854.054	-99999
327.7	68.5787	10.7496	19.1499	-99999	-99999	-99999	865.815	-99999
327.8	68.7025	10.9188	19.008	-99999	-99999	-99999	874.94	-99999
327.9	71.1412	11.099	19.0345	-99999	-99999	-99999	889.684	-99999
328	76.7697	11.292	19.0066	-99999	-99999	-99999	892.932	-99999
328.1	81.8008	11.4948	19.1744	-99999	-99999	-99999	886.176	-99999
328.2	84.6967	11.682	19.4042	-99999	-99999	-99999	871.906	-99999
328.3	84.9467	11.8654	19.7307	-99999	-99999	-99999	846.327	-99999
328.4	82.8998	12.0354	20.1893	-99999	-99999	-99999	839.294	-99999
328.5	81.6852	12.1589	20.7092	-99999	-99999	-99999	836.941	-99999
328.6	83.9201	12.2185	21.2027	-99999	-99999	-99999	811.732	-99999
328.7	84.5779	12.2107	21.5565	-99999	-99999	-99999	780.79	-99999
328.8	80.821	12.1335	21.7662	-99999	-99999	-99999	743.416	-99999
328.9	75.6427	11.9877	21.7708	-99999	-99999	-99999	715.244	-99999
329	72.2242	11.78	21.5727	-99999	-99999	-99999	687.143	-99999
329.1	72.103	11.551	21.3142	-99999	-99999	-99999	684.895	-99999
329.2	73.1659	11.2828	20.86	-99999	-99999	-99999	695.58	-99999
329.3	73.1339	11.0071	20.2608	-99999	-99999	-99999	644.254	-99999
329.4	67.5174	10.7388	19.4921	-99999	-99999	-99999	621.35	-99999
329.5	63.8584	10.4943	18.7092	-99999	-99999	-99999	616.288	-99999
329.6	60.9756	10.277	18.0308	-99999	-99999	-99999	604.468	-99999
329.7	61.649	10.1126	17.4324	-99999	-99999	-99999	585.093	-99999
329.8	61.6486	9.99937	16.9778	-99999	-99999	-99999	567.534	-99999
329.9	61.6926	9.92445	16.571	-99999	-99999	-99999	553.589	-99999
330	62.4234	9.90005	16.2688	-99999	-99999	-99999	532.374	-99999

330.1	64.9693	9.92869	16.0842	-99999	-99999	-99999	514.04	-99999
330.2	66.6515	9.99931	15.954	-99999	-99999	-99999	514.878	-99999
330.3	70.6915	10.1137	15.882	-99999	-99999	-99999	493.836	-99999
330.4	72.1092	10.2792	15.8913	-99999	-99999	-99999	506.699	-99999
330.5	74.8045	10.474	15.9357	-99999	-99999	-99999	511.128	-99999
330.6	77.8962	10.7042	15.9751	-99999	-99999	-99999	525.741	-99999
330.7	80.0377	10.9517	16.1103	-99999	-99999	-99999	540.293	-99999
330.8	80.3576	11.2176	16.3244	-99999	-99999	-99999	558.452	-99999
330.9	80.4872	11.4563	16.5456	-99999	-99999	-99999	563.809	-99999
331	80.647	11.6868	16.8364	-99999	-99999	-99999	576.926	-99999
331.1	80.886	11.8823	17.2048	-99999	-99999	-99999	606.3	-99999
331.2	83.689	12.0491	17.6434	-99999	-99999	-99999	635.521	-99999
331.3	90.6864	12.1847	18.0553	-99999	-99999	-99999	637.057	-99999
331.4	94.1238	12.2846	18.4146	-99999	-99999	-99999	652.252	-99999
331.5	95.8317	12.326	18.7288	-99999	-99999	-99999	640.949	-99999
331.6	96.1413	12.3161	18.9189	-99999	-99999	-99999	616.811	-99999
331.7	97.6579	12.2573	19.0006	-99999	-99999	-99999	610.658	-99999
331.8	97.0674	12.1718	18.9444	-99999	-99999	-99999	630.948	-99999
331.9	95.9673	12.0658	18.7483	-99999	-99999	-99999	644.486	-99999
332	95.2431	11.9561	18.4965	-99999	-99999	-99999	643.171	-99999
332.1	96.656	11.8386	18.1576	-99999	-99999	-99999	649.647	-99999
332.2	90.9628	11.7196	17.8195	-99999	-99999	-99999	648.818	-99999
332.3	90.2749	11.6244	17.5517	-99999	-99999	-99999	650.839	-99999
332.4	89.9042	11.5662	17.3969	-99999	-99999	-99999	662.599	-99999
332.5	91.7911	11.5539	17.3094	-99999	-99999	-99999	668.481	-99999
332.6	94.747	11.5892	17.3262	-99999	-99999	-99999	667.128	-99999
332.7	91.6461	11.6553	17.5047	-99999	-99999	-99999	659.747	-99999
332.8	94.2485	11.7356	17.796	-99999	-99999	-99999	655.53	-99999
332.9	93.1019	11.8278	18.1634	-99999	-99999	-99999	644.758	-99999
333	87.1567	11.9129	18.6379	-99999	-99999	-99999	637.575	-99999
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333.2	89.6732	12.0272	19.4682	-99999	-99999	-99999	644.632	-99999
333.3	94.3861	12.0516	19.7578	-99999	-99999	-99999	649.649	-99999
333.4	92.6658	12.0264	20.0113	-99999	-99999	-99999	656.151	-99999
333.5	91.4805	11.9681	20.1272	-99999	-99999	-99999	645.799	-99999
333.6	95.2963	11.8834	20.1681	-99999	-99999	-99999	635.642	-99999
333.7	94.8453	11.7954	20.1286	-99999	-99999	-99999	646.747	-99999
333.8	97.7862	11.7092	20.0106	-99999	-99999	-99999	649.115	-99999
333.9	100.529	11.6503	19.8658	-99999	-99999	-99999	659.179	-99999
334	100.81	11.6293	19.7329	-99999	-99999	-99999	655.993	-99999
334.1	95.0506	11.618	19.6547	-99999	-99999	-99999	659.571	-99999
334.2	92.7976	11.6192	19.5972	-99999	-99999	-99999	668.216	-99999
334.3	93.0185	11.6364	19.6397	-99999	-99999	-99999	669.907	-99999
334.4	93.4627	11.6716	19.7589	-99999	-99999	-99999	693.502	-99999
334.5	92.2835	11.7213	19.8256	-99999	-99999	-99999	711.44	-99999
334.6	90.2434	11.7609	19.8973	-99999	-99999	-99999	697.185	-99999
334.7	86.9355	11.797	20.0059	-99999	-99999	-99999	704.565	-99999

334.8	87.6135	11.819	19.9588	-99999	-99999	-99999	689.206	-99999
334.9	90.2926	11.8053	19.9441	-99999	-99999	-99999	687.598	-99999
335	89.5628	11.7473	19.8845	-99999	-99999	-99999	670.057	-99999
335.1	90.6319	11.6654	19.7754	-99999	-99999	-99999	648.88	-99999
335.2	91.7924	11.5763	19.5455	-99999	-99999	-99999	675.27	-99999
335.3	91.3041	11.4757	19.3117	-99999	-99999	-99999	670.108	-99999
335.4	93.4064	11.361	19.1543	-99999	-99999	-99999	659.029	-99999
335.5	95.9394	11.2457	18.9847	-99999	-99999	-99999	654.739	-99999
335.6	98.4687	11.1212	18.7338	-99999	-99999	-99999	660.43	-99999
335.7	95.9071	10.98	18.5893	-99999	-99999	-99999	656.683	-99999
335.8	92.9062	10.8321	18.4949	-99999	-99999	-99999	650.431	-99999
335.9	89.627	10.6911	18.3946	-99999	-99999	-99999	670.766	-99999
336	83.5332	10.5617	18.3022	-99999	-99999	-99999	668.343	-99999
336.1	80.8481	10.4169	18.3677	-99999	-99999	-99999	650.347	-99999
336.2	80.6382	10.2676	18.3756	-99999	-99999	-99999	648.163	-99999
336.3	76.2688	10.1184	18.3665	-99999	-99999	-99999	646.053	-99999
336.4	77.6244	9.97295	18.3634	-99999	-99999	-99999	654.463	-99999
336.5	79.1961	9.82582	18.3431	-99999	-99999	-99999	621.862	-99999
336.6	80.4114	9.69829	18.3077	-99999	-99999	-99999	614.004	-99999
336.7	83.0897	9.60626	18.1712	-99999	-99999	-99999	616.52	-99999
336.8	86.8383	9.56573	17.9975	-99999	-99999	-99999	591.839	-99999
336.9	88.0417	9.57435	17.8275	-99999	-99999	-99999	595.397	-99999
337	87.9925	9.63685	17.5606	-99999	-99999	-99999	598.238	-99999
337.1	88.342	9.74973	17.3641	-99999	-99999	-99999	586.825	-99999
337.2	89.6709	9.91885	17.1546	-99999	-99999	-99999	575	-99999
337.3	86.5063	10.1666	16.9916	-99999	-99999	-99999	558.202	-99999
337.4	84.1678	10.4913	16.9011	-99999	-99999	-99999	565.733	-99999
337.5	86.5782	10.8965	16.8884	-99999	-99999	-99999	578.476	-99999
337.6	81.5178	11.3727	16.9965	-99999	-99999	-99999	594.632	-99999
337.7	85.0605	11.9039	17.2114	-99999	-99999	-99999	617.461	-99999
337.8	87.7746	12.4576	17.4755	-99999	-99999	-99999	620.303	-99999
337.9	89.9058	12.9766	17.8345	-99999	-99999	-99999	622.942	-99999
338	87.5878	13.4482	18.2906	-99999	-99999	-99999	615.856	-99999
338.1	90.5314	13.8321	18.8326	-99999	-99999	-99999	616.047	-99999
338.2	89.7169	14.0911	19.3893	-99999	-99999	-99999	624.479	-99999
338.3	90.8391	14.2165	19.9117	-99999	-99999	-99999	624.744	-99999
338.4	85.7947	14.1889	20.3757	-99999	-99999	-99999	609.725	-99999
338.5	95.4789	14.0072	20.7378	-99999	-99999	-99999	593.145	-99999
338.6	88.8	13.6609	20.9422	-99999	-99999	-99999	577.213	-99999
338.7	88.5188	13.1885	20.9806	-99999	-99999	-99999	565.088	-99999
338.8	89.1831	12.668	20.785	-99999	-99999	-99999	563.679	-99999
338.9	91.9079	12.1183	20.3538	-99999	-99999	-99999	572.909	-99999
339	88.7378	11.601	19.7348	-99999	-99999	-99999	586.837	-99999
339.1	91.186	11.1267	19.0249	-99999	-99999	-99999	592.564	-99999
339.2	93.0565	10.7157	18.2883	-99999	-99999	-99999	597.858	-99999
339.3	98.2123	10.3708	17.5519	-99999	-99999	-99999	607.11	-99999
339.4	94.2876	10.1084	16.8943	-99999	-99999	-99999	611.541	-99999

339.5	94.198	9.94714	16.4039	-99999	-99999	-99999	635.956	-99999
339.6	91.5869	9.87594	16.1177	-99999	-99999	-99999	654.86	-99999
339.7	93.7491	9.88166	16.0146	-99999	-99999	-99999	652.005	-99999
339.8	98.8072	9.95656	16.0952	-99999	-99999	-99999	652.451	-99999
339.9	100.981	10.0667	16.3702	-99999	-99999	-99999	656.276	-99999
340	100.01	10.2023	16.7109	-99999	-99999	-99999	668.809	-99999
340.1	96.3216	10.3462	17.1598	-99999	-99999	-99999	679.114	-99999
340.2	91.4034	10.4925	17.636	-99999	-99999	-99999	686.156	-99999
340.3	90.6913	10.6147	18.0801	-99999	-99999	-99999	718.471	-99999
340.4	95.4948	10.7078	18.4559	-99999	-99999	-99999	752.276	-99999
340.5	98.9829	10.767	18.8	-99999	-99999	-99999	758.349	-99999
340.6	92.9329	10.7803	19.141	-99999	-99999	-99999	769.769	-99999
340.7	89.734	10.7304	19.3597	-99999	-99999	-99999	785.142	-99999
340.8	91.4519	10.6197	19.4776	-99999	-99999	-99999	804.199	-99999
340.9	91.3351	10.4751	19.5555	-99999	-99999	-99999	816.252	-99999
341	91.1767	10.3162	19.501	-99999	-99999	-99999	817.9	-99999
341.1	90.9084	10.1464	19.3301	-99999	-99999	-99999	807.586	-99999
341.2	88.7186	9.9769	19.0761	-99999	-99999	-99999	779.375	-99999
341.3	85.558	9.80361	18.8828	-99999	-99999	-99999	754.22	-99999
341.4	83.5809	9.63677	18.6314	-99999	-99999	-99999	759.015	-99999
341.5	85.9721	9.50055	18.3331	-99999	-99999	-99999	765.48	-99999
341.6	87.3959	9.41097	18.1204	-99999	-99999	-99999	773.378	-99999
341.7	87.7171	9.38114	17.9293	-99999	-99999	-99999	770.225	-99999
341.8	90.9626	9.41072	17.8639	-99999	-99999	-99999	758.945	-99999
341.9	97.2472	9.49358	17.9199	-99999	-99999	-99999	779.868	-99999
342	103.434	9.62621	18.0874	-99999	-99999	-99999	809.118	-99999
342.1	104.386	9.79756	18.39	-99999	-99999	-99999	812.638	-99999
342.2	104.463	10.023	18.6883	-99999	-99999	-99999	801.386	-99999
342.3	108.255	10.3049	18.9973	-99999	-99999	-99999	815.458	-99999
342.4	109.948	10.6396	19.4893	-99999	-99999	-99999	795.239	-99999
342.5	107.385	10.9997	19.9558	-99999	-99999	-99999	778.365	-99999
342.6	107.555	11.3346	20.4889	-99999	-99999	-99999	751.572	-99999
342.7	107.702	11.6098	21.0005	-99999	-99999	-99999	750.346	-99999
342.8	104.516	11.8182	21.3602	-99999	-99999	-99999	735.203	-99999
342.9	101.019	11.9609	21.7073	-99999	-99999	-99999	718.146	-99999
343	100.253	12.0273	21.9006	-99999	-99999	-99999	727.964	-99999
343.1	97.8857	12.0065	21.956	-99999	-99999	-99999	707.815	-99999
343.2	93.88	11.8811	21.8563	-99999	-99999	-99999	687.555	-99999
343.3	92.4888	11.6469	21.5065	-99999	-99999	-99999	687.348	-99999
343.4	94.797	11.3339	21.0326	-99999	-99999	-99999	712.464	-99999
343.5	92.6935	10.9825	20.4084	-99999	-99999	-99999	723.136	-99999
343.6	89.6041	10.6293	19.7447	-99999	-99999	-99999	724.981	-99999
343.7	85.2941	10.2887	19.0873	-99999	-99999	-99999	725.904	-99999
343.8	83.7706	9.98267	18.4582	-99999	-99999	-99999	721.881	-99999
343.9	86.7223	9.73007	17.886	-99999	-99999	-99999	715.957	-99999
344	91.1858	9.53998	17.431	-99999	-99999	-99999	740.479	-99999
344.1	91.251	9.4125	17.0962	-99999	-99999	-99999	751.646	-99999

344.2	89.0673	9.3475	16.9007	-99999	-99999	-99999	773.273	-99999
344.3	88.3396	9.33361	16.8658	-99999	-99999	-99999	758.276	-99999
344.4	86.3246	9.37604	16.9215	-99999	-99999	-99999	760.79	-99999
344.5	84.3769	9.45505	17.0468	-99999	-99999	-99999	758.002	-99999
344.6	83.4739	9.58123	17.2327	-99999	-99999	-99999	763.329	-99999
344.7	82.2143	9.71917	17.4541	-99999	-99999	-99999	774.795	-99999
344.8	78.1999	9.87155	17.6829	-99999	-99999	-99999	781.213	-99999
344.9	74.3152	10.0054	17.9071	-99999	-99999	-99999	779.461	-99999
345	79.1835	10.1273	18.1656	-99999	-99999	-99999	769.488	-99999
345.1	79.0674	10.2058	18.3514	-99999	-99999	-99999	774.121	-99999
345.2	82.2052	10.2613	18.4761	-99999	-99999	-99999	791.659	-99999
345.3	87.1709	10.2739	18.5429	-99999	-99999	-99999	784.201	-99999
345.4	90.7797	10.2363	18.5742	-99999	-99999	-99999	774.425	-99999
345.5	96.1929	10.1276	18.5455	-99999	-99999	-99999	765.776	-99999
345.6	97.2387	9.98081	18.4509	-99999	-99999	-99999	761.731	-99999
345.7	102.905	9.79381	18.3396	-99999	-99999	-99999	751.912	-99999
345.8	104.067	9.5842	18.1493	-99999	-99999	-99999	747.635	-99999
345.9	101.897	9.35665	17.9535	-99999	-99999	-99999	746.932	-99999
346	101.202	9.13925	17.7644	-99999	-99999	-99999	721.844	-99999
346.1	99.3892	8.94997	17.6031	-99999	-99999	-99999	695.86	-99999
346.2	96.6693	8.79255	17.4656	-99999	-99999	-99999	699.81	-99999
346.3	99.3724	8.66233	17.3132	-99999	-99999	-99999	694.15	-99999
346.4	102.525	8.58212	17.2808	-99999	-99999	-99999	686.916	-99999
346.5	104.206	8.55112	17.3445	-99999	-99999	-99999	679.486	-99999
346.6	99.4998	8.571	17.4574	-99999	-99999	-99999	677.338	-99999
346.7	99.9516	8.64218	17.6672	-99999	-99999	-99999	671.812	-99999
346.8	98.7741	8.78084	17.9223	-99999	-99999	-99999	656.09	-99999
346.9	98.5689	8.98278	18.2392	-99999	-99999	-99999	655.885	-99999
347	97.7538	9.22659	18.5383	-99999	-99999	-99999	652.219	-99999
347.1	96.5049	9.51177	18.8429	-99999	-99999	-99999	646.193	-99999
347.2	91.8336	9.80989	19.1556	-99999	-99999	-99999	642.577	-99999
347.3	86.229	10.1152	19.3843	-99999	-99999	-99999	636.135	-99999
347.4	85.6225	10.4293	19.5921	-99999	-99999	-99999	645.904	-99999
347.5	84.0102	10.7552	19.7678	-99999	-99999	-99999	651.402	-99999
347.6	82.8013	11.1094	19.8478	-99999	-99999	-99999	672.253	-99999
347.7	82.4545	11.4843	19.9079	-99999	-99999	-99999	691.34	-99999
347.8	80.8474	11.8317	19.9306	-99999	-99999	-99999	707.393	-99999
347.9	76.9465	12.1159	20.0134	-99999	-99999	-99999	724.559	-99999
348	76.9759	12.3369	20.087	-99999	-99999	-99999	749.639	-99999
348.1	78.2778	12.5099	20.2064	-99999	-99999	-99999	760.786	-99999
348.2	77.5391	12.6206	20.2749	-99999	-99999	-99999	778.556	-99999
348.3	75.9441	12.6781	20.2559	-99999	-99999	-99999	760.09	-99999
348.4	73.495	12.691	20.3129	-99999	-99999	-99999	741.169	-99999
348.5	72.3961	12.6287	20.2675	-99999	-99999	-99999	713.787	-99999
348.6	73.9743	12.4753	20.2143	-99999	-99999	-99999	714.981	-99999
348.7	75.5529	12.2534	20.1574	-99999	-99999	-99999	729.606	-99999
348.8	76.9757	12.0172	19.9998	-99999	-99999	-99999	709.609	-99999

348.9	76.8735	11.7919	19.7658	-99999	-99999	-99999	673.146	-99999
349	76.5633	11.5768	19.425	-99999	-99999	-99999	689.017	-99999
349.1	75.1654	11.3847	19.2067	-99999	-99999	-99999	687.838	-99999
349.2	75.9334	11.2045	19.0102	-99999	-99999	-99999	700.036	-99999
349.3	79.1265	11.0337	18.7871	-99999	-99999	-99999	720.018	-99999
349.4	79.6131	10.8686	18.6455	-99999	-99999	-99999	728.636	-99999
349.5	82.0447	10.7268	18.537	-99999	-99999	-99999	726.573	-99999
349.6	85.9473	10.6425	18.4952	-99999	-99999	-99999	691.012	-99999
349.7	87.878	10.5821	18.4929	-99999	-99999	-99999	717.471	-99999
349.8	85.0676	10.5088	18.5472	-99999	-99999	-99999	746.025	-99999
349.9	81.8646	10.4161	18.6416	-99999	-99999	-99999	744.324	-99999
350	82.0334	10.3134	18.6852	-99999	-99999	-99999	747.828	-99999
350.1	81.3976	10.2042	18.7105	-99999	-99999	-99999	751.767	-99999
350.2	80.7554	10.0777	18.7501	-99999	-99999	-99999	741.761	-99999
350.3	78.4355	9.95947	18.8326	-99999	-99999	-99999	741.835	-99999
350.4	73.3205	9.85397	18.969	-99999	-99999	-99999	738.992	-99999
350.5	72.8298	9.76432	19.0552	-99999	-99999	-99999	746.499	-99999
350.6	71.2977	9.69507	19.1751	-99999	-99999	-99999	721.947	-99999
350.7	69.512	9.69155	19.3821	-99999	-99999	-99999	705.648	-99999
350.8	68.8098	9.78421	19.5018	-99999	-99999	-99999	705.006	-99999
350.9	68.8018	9.92517	19.6813	-99999	-99999	-99999	717.267	-99999
351	70.1097	10.1006	19.882	-99999	-99999	-99999	721.869	-99999
351.1	69.2152	10.287	20.0577	-99999	-99999	-99999	714.097	-99999
351.2	68.5408	10.4605	20.1663	-99999	-99999	-99999	719.234	-99999
351.3	68.4243	10.6213	20.212	-99999	-99999	-99999	714.918	-99999
351.4	64.3657	10.823	20.2827	-99999	-99999	-99999	719.301	-99999
351.5	66.038	11.1232	20.2585	-99999	-99999	-99999	742.494	-99999
351.6	66.8686	11.4713	20.1841	-99999	-99999	-99999	780.142	-99999
351.7	68.7798	11.7951	20.1931	-99999	-99999	-99999	774.021	-99999
351.8	67.9261	12.1515	20.2176	-99999	-99999	-99999	741.235	-99999
351.9	68.3218	12.5049	20.2792	-99999	-99999	-99999	739.843	-99999
352	70.1293	12.8534	20.3695	-99999	-99999	-99999	755.952	-99999
352.1	72.9377	13.2531	20.4689	-99999	-99999	-99999	771.127	-99999
352.2	70.9405	13.6554	20.4899	-99999	-99999	-99999	792.511	-99999
352.3	74.3857	14.0299	20.51	-99999	-99999	-99999	795.253	-99999
352.4	73.6134	14.2705	20.5801	-99999	-99999	-99999	793.044	-99999
352.5	75.8854	14.3616	20.6435	-99999	-99999	-99999	776.107	-99999
352.6	76.7768	14.2626	20.674	-99999	-99999	-99999	790.373	-99999
352.7	77.0511	13.9941	20.632	-99999	-99999	-99999	810.408	-99999
352.8	73.6666	13.6509	20.4925	-99999	-99999	-99999	822.8	-99999
352.9	74.8808	13.2402	20.2603	-99999	-99999	-99999	815.075	-99999
353	73.9456	12.7514	20.0173	-99999	-99999	-99999	795.466	-99999
353.1	73.4723	12.2336	19.7659	-99999	-99999	-99999	776.088	-99999
353.2	69.2845	11.6613	19.4742	-99999	-99999	-99999	757.896	-99999
353.3	67.5542	11.1065	19.1866	-99999	-99999	-99999	734.88	-99999
353.4	66.6975	10.6688	18.8769	-99999	-99999	-99999	716.628	-99999
353.5	66.4433	10.4163	18.5547	-99999	-99999	-99999	706.83	-99999

353.6	69.3765	10.2814	18.2434	-99999	-99999	-99999	690.397	-99999
353.7	72.7164	10.2139	18.0765	-99999	-99999	-99999	670.456	-99999
353.8	72.6488	10.2088	18.0225	-99999	-99999	-99999	679.726	-99999
353.9	74.1583	10.2405	17.984	-99999	-99999	-99999	679.551	-99999
354	74.2668	10.3042	17.9713	-99999	-99999	-99999	679.873	-99999
354.1	75.1639	10.3805	17.9151	-99999	-99999	-99999	691.155	-99999
354.2	78.033	10.4566	17.8508	-99999	-99999	-99999	707.762	-99999
354.3	79.7906	10.5031	17.8003	-99999	-99999	-99999	705.323	-99999
354.4	79.3723	10.4984	17.7334	-99999	-99999	-99999	689.098	-99999
354.5	76.82	10.434	17.5706	-99999	-99999	-99999	689.079	-99999
354.6	76.1608	10.3179	17.294	-99999	-99999	-99999	690.796	-99999
354.7	74.997	10.1832	16.9597	-99999	-99999	-99999	683.345	-99999
354.8	76.1662	10.0362	16.6719	-99999	-99999	-99999	686.893	-99999
354.9	78.9803	9.86345	16.4167	-99999	-99999	-99999	692.849	-99999
355	80.8537	9.67011	16.2011	-99999	-99999	-99999	707.352	-99999
355.1	81.9962	9.45772	15.8983	-99999	-99999	-99999	687.781	-99999
355.2	81.3833	9.23297	15.614	-99999	-99999	-99999	692.689	-99999
355.3	84.4412	9.01344	15.3262	-99999	-99999	-99999	705.417	-99999
355.4	90.3503	8.82427	15.1155	-99999	-99999	-99999	724.342	-99999
355.5	93.61	8.67939	14.9906	-99999	-99999	-99999	739.997	-99999
355.6	94.4139	8.56322	14.925	-99999	-99999	-99999	725.014	-99999
355.7	94.5685	8.46344	14.8718	-99999	-99999	-99999	735.975	-99999
355.8	96.4152	8.3829	14.8403	-99999	-99999	-99999	736.213	-99999
355.9	94.7994	8.32329	14.8619	-99999	-99999	-99999	720.667	-99999
356	92.8248	8.29992	15.0247	-99999	-99999	-99999	746.616	-99999
356.1	93.9279	8.30088	15.1557	-99999	-99999	-99999	773.79	-99999
356.2	91.324	8.31696	15.2703	-99999	-99999	-99999	794.877	-99999
356.3	89.3557	8.34586	15.4126	-99999	-99999	-99999	789.542	-99999
356.4	90.0689	8.40127	15.4875	-99999	-99999	-99999	818.834	-99999
356.5	90.9237	8.50105	15.5918	-99999	-99999	-99999	842.806	-99999
356.6	90.8174	8.6199	15.693	-99999	-99999	-99999	839.19	-99999
356.7	91.8965	8.74898	15.7328	-99999	-99999	-99999	860.036	-99999
356.8	94.9995	8.90921	15.9365	-99999	-99999	-99999	880.107	-99999
356.9	97.4148	9.11755	16.0739	-99999	-99999	-99999	893.764	-99999
357	98.7845	9.38091	16.2101	-99999	-99999	-99999	885.275	-99999
357.1	99.2435	9.65928	16.3387	-99999	-99999	-99999	873.328	-99999
357.2	96.2053	9.90888	16.4304	-99999	-99999	-99999	886.818	-99999
357.3	90.6409	10.1054	16.6255	-99999	-99999	-99999	856.001	-99999
357.4	89.5951	10.2133	16.7931	-99999	-99999	-99999	870.985	-99999
357.5	89.2076	10.2585	16.8949	-99999	-99999	-99999	899.045	-99999
357.6	85.9613	10.2472	16.951	-99999	-99999	-99999	893.234	-99999
357.7	85.0627	10.1803	16.888	-99999	-99999	-99999	918.769	-99999
357.8	87.3044	10.0561	16.8841	-99999	-99999	-99999	956.109	-99999
357.9	88.0273	9.88304	16.945	-99999	-99999	-99999	988.773	-99999
358	88.1864	9.69893	17.0029	-99999	-99999	-99999	1025.27	-99999
358.1	87.1705	9.53147	17.0394	-99999	-99999	-99999	1040.9	-99999
358.2	95.2845	9.37109	16.9772	-99999	-99999	-99999	1070.09	-99999

358.3	98.9785	9.23304	17.0164	-99999	-99999	-99999	1095.73	-99999
358.4	101.233	9.13238	17.1539	-99999	-99999	-99999	1099.65	-99999
358.5	100.389	9.08558	17.3769	-99999	-99999	-99999	1117.85	-99999
358.6	102.219	9.06274	17.5873	-99999	-99999	-99999	1126.03	-99999
358.7	96.3595	9.04614	17.8226	-99999	-99999	-99999	1125.58	-99999
358.8	92.4475	9.04868	18.1381	-99999	-99999	-99999	1143.31	-99999
358.9	92.9401	9.08908	18.5372	-99999	-99999	-99999	1164.1	-99999
359	96.1408	9.18054	19.0007	-99999	-99999	-99999	1192.39	-99999
359.1	91.5364	9.27595	19.4767	-99999	-99999	-99999	1215.06	-99999
359.2	88.237	9.39756	19.8547	-99999	-99999	-99999	1230.46	-99999
359.3	83.641	9.55922	20.1488	-99999	-99999	-99999	1273.35	-99999
359.4	86.6008	9.77891	20.3821	-99999	-99999	-99999	1307.41	-99999
359.5	85.3221	10.0645	20.6236	-99999	-99999	-99999	1348.5	-99999
359.6	88.98	10.4335	20.7924	-99999	-99999	-99999	1332.38	-99999
359.7	92.405	10.9358	20.8785	-99999	-99999	-99999	1297.91	-99999
359.8	93.4083	11.5705	20.9695	-99999	-99999	-99999	1295.46	-99999
359.9	90.7614	12.347	21.033	-99999	-99999	-99999	1314.73	-99999
360	92.9134	13.2652	21.0021	-99999	-99999	-99999	1337.64	-99999
360.1	93.1528	14.3242	20.9065	-99999	-99999	-99999	1347.24	-99999
360.2	92.7272	15.5332	20.7882	-99999	-99999	-99999	1335.75	-99999
360.3	90.9416	16.9564	20.5142	-99999	-99999	-99999	1321.05	-99999
360.4	87.6759	18.6347	20.0575	-99999	-99999	-99999	1316.89	-99999
360.5	88.5964	20.5116	19.5257	-99999	-99999	-99999	1352.62	-99999
360.6	87.8955	22.2068	18.9796	-99999	-99999	-99999	1361.4	-99999
360.7	88.088	23.4899	18.4684	-99999	-99999	-99999	1341.04	-99999
360.8	92.6806	24.2341	18.1273	-99999	-99999	-99999	1324.68	-99999
360.9	90.0172	24.4081	18.0349	-99999	-99999	-99999	1314.85	-99999
361	88.9692	24.0982	18.0735	-99999	-99999	-99999	1328.56	-99999
361.1	93.1801	23.3367	18.1247	-99999	-99999	-99999	1348.32	-99999
361.2	93.186	22.0893	18.2906	-99999	-99999	-99999	1351.54	-99999
361.3	91.5735	20.3487	18.4326	-99999	-99999	-99999	1335.64	-99999
361.4	90.2511	18.2236	18.4947	-99999	-99999	-99999	1332.6	-99999
361.5	91.8906	16.0727	18.4682	-99999	-99999	-99999	1364.76	-99999
361.6	89.5483	14.1438	18.2544	-99999	-99999	-99999	1396.92	-99999
361.7	85.3232	12.5727	17.8977	-99999	-99999	-99999	1397.3	-99999
361.8	86.1252	11.3918	17.3556	-99999	-99999	-99999	1383.64	-99999
361.9	88.1372	10.5	16.7737	-99999	-99999	-99999	1348.44	-99999
362	88.2042	9.82703	16.2508	-99999	-99999	-99999	1323.84	-99999
362.1	89.6331	9.32736	15.7592	-99999	-99999	-99999	1309.02	-99999
362.2	93.6802	8.95478	15.4111	-99999	-99999	-99999	1294.88	-99999
362.3	93.4854	8.686	15.2142	-99999	-99999	-99999	1289.93	-99999
362.4	93.0049	8.48087	15.1177	-99999	-99999	-99999	1273.2	-99999
362.5	96.1776	8.30666	15.0986	-99999	-99999	-99999	1235.32	-99999
362.6	97.9216	8.14776	15.0265	-99999	-99999	-99999	1227.57	-99999
362.7	95.883	7.9983	14.9259	-99999	-99999	-99999	1236.05	-99999
362.8	90.6228	7.87333	14.8073	-99999	-99999	-99999	1250.6	-99999
362.9	87.9504	7.77933	14.6373	-99999	-99999	-99999	1285.63	-99999

363	87.5074	7.717	14.4474	-99999	-99999	-99999	1288.54	-99999
363.1	86.647	7.67789	14.3098	-99999	-99999	-99999	1284.82	-99999
363.2	85.9121	7.65519	14.1937	-99999	-99999	-99999	1273.02	-99999
363.3	86.3073	7.67645	14.0623	-99999	-99999	-99999	1266.89	-99999
363.4	86.2697	7.75944	13.953	-99999	-99999	-99999	1268.43	-99999
363.5	86.1213	7.91525	13.9271	-99999	-99999	-99999	1266.45	-99999
363.6	89.1027	8.14104	14.0224	-99999	-99999	-99999	1261.49	-99999
363.7	91.4396	8.41493	14.2379	-99999	-99999	-99999	1262.37	-99999
363.8	93.6688	8.7289	14.6407	-99999	-99999	-99999	1201.79	-99999
363.9	93.3214	9.03807	15.1381	-99999	-99999	-99999	1240.91	-99999
364	91.1304	9.33244	15.6125	-99999	-99999	-99999	1260.83	-99999
364.1	90.0634	9.6159	16.0435	-99999	-99999	-99999	1253.85	-99999
364.2	84.9545	9.87926	16.4796	-99999	-99999	-99999	1268.48	-99999
364.3	79.9873	10.0961	16.8389	-99999	-99999	-99999	1280.76	-99999
364.4	77.3307	10.2209	17.0467	-99999	-99999	-99999	1275.39	-99999
364.5	74.862	10.226	17.021	-99999	-99999	-99999	1264.4	-99999
364.6	74.1756	10.1175	16.7901	-99999	-99999	-99999	1284.35	-99999
364.7	73.8631	9.90339	16.4058	-99999	-99999	-99999	1313.99	-99999
364.8	74.2003	9.64944	15.9708	-99999	-99999	-99999	1287.37	-99999
364.9	73.1632	9.38447	15.5849	-99999	-99999	-99999	1291.66	-99999
365	74.0868	9.1062	15.2489	-99999	-99999	-99999	1318.07	-99999
365.1	74.4387	8.81909	14.9814	-99999	-99999	-99999	1324.55	-99999
365.2	77.2802	8.52674	14.822	-99999	-99999	-99999	1309.89	-99999
365.3	79.6563	8.28145	14.7643	-99999	-99999	-99999	1322.59	-99999
365.4	82.2893	8.09942	14.8283	-99999	-99999	-99999	1315.41	-99999
365.5	84.5846	7.98918	14.9604	-99999	-99999	-99999	1316.3	-99999
365.6	85.1141	7.93282	15.0961	-99999	-99999	-99999	1307.28	-99999
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365.8	89.144	7.92861	15.2236	-99999	-99999	-99999	1295.81	-99999
365.9	89.7736	7.96672	15.2277	-99999	-99999	-99999	1299.68	-99999
366	92.8657	8.043	15.1784	-99999	-99999	-99999	1311.24	-99999
366.1	94.6516	8.17379	15.0367	-99999	-99999	-99999	1323.28	-99999
366.2	92.912	8.35122	14.9032	-99999	-99999	-99999	1312.44	-99999
366.3	91.1844	8.57344	14.8529	-99999	-99999	-99999	1326.37	-99999
366.4	90.4576	8.81696	14.9187	-99999	-99999	-99999	1308.73	-99999
366.5	88.9487	9.08424	15.0938	-99999	-99999	-99999	1298.12	-99999
366.6	87.636	9.32374	15.3612	-99999	-99999	-99999	1318.5	-99999
366.7	87.5497	9.5215	15.6743	-99999	-99999	-99999	1317.18	-99999
366.8	87.0754	9.72583	16.0439	-99999	-99999	-99999	1308.45	-99999
366.9	84.9281	9.92011	16.4914	-99999	-99999	-99999	1309.18	-99999
367	84.3422	10.0515	16.9365	-99999	-99999	-99999	1306.27	-99999
367.1	83.9642	10.0849	17.3561	-99999	-99999	-99999	1328.98	-99999
367.2	83.0935	10.0306	17.7239	-99999	-99999	-99999	1349.01	-99999
367.3	81.9375	9.89949	17.9513	-99999	-99999	-99999	1375.62	-99999
367.4	80.5233	9.71286	18.0541	-99999	-99999	-99999	1388.76	-99999
367.5	84.0278	9.53298	18.0645	-99999	-99999	-99999	1383.45	-99999
367.6	82.0651	9.37737	18.0093	-99999	-99999	-99999	1384.77	-99999

367.7	79.2548	9.21267	17.8905	-99999	-99999	-99999	1375.5	-99999
367.8	79.6162	9.04164	17.7413	-99999	-99999	-99999	1387.95	-99999
367.9	79.5665	8.88042	17.5876	-99999	-99999	-99999	1408.78	-99999
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368.1	78.3327	8.76756	17.36	-99999	-99999	-99999	1374.58	-99999
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369	83.952	11.0919	19.9362	-99999	-99999	-99999	1432.48	-99999
369.1	78.8641	11.2697	19.9875	-99999	-99999	-99999	1442.21	-99999
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370	61.2777	10.2747	17.2203	-99999	-99999	-99999	1407.46	-99999
370.1	59.7401	10.2013	17.3406	-99999	-99999	-99999	1434.65	-99999
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371	79.7082	8.93304	16.6005	-99999	-99999	-99999	1329.39	-99999
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371.2	83.3685	8.54146	15.3234	-99999	-99999	-99999	1307.56	-99999
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371.4	86.1451	8.16084	14.1795	-99999	-99999	-99999	1346.3	-99999
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371.9	95.4356	8.02301	14.1764	-99999	-99999	-99999	1311.26	-99999
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372.1	89.8264	8.09156	14.622	-99999	-99999	-99999	1333.83	-99999
372.2	89.6245	8.09722	14.8655	-99999	-99999	-99999	1305.49	-99999
372.3	89.7472	8.10817	15.1509	-99999	-99999	-99999	1293.65	-99999

372.4	88.4363	8.13693	15.3901	-99999	-99999	-99999	1296.01	-99999
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373	100.92	8.85463	17.1808	-99999	-99999	-99999	1283.67	-99999
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373.7	100.431	10.2586	19.4396	-99999	-99999	-99999	1372.45	-99999
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374.6	75.1602	10.5735	19.5073	-99999	-99999	-99999	1409.97	-99999
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374.8	79.1305	10.1967	18.6969	-99999	-99999	-99999	1390.44	-99999
374.9	80.3878	10.0079	18.2205	-99999	-99999	-99999	1396.45	-99999
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375.1	80.3091	9.76761	17.3883	-99999	-99999	-99999	1367.27	-99999
375.2	79.4166	9.69314	17.1665	-99999	-99999	-99999	1343.63	-99999
375.3	80.6566	9.60438	17.0526	-99999	-99999	-99999	1340.09	-99999
375.4	82.4644	9.48288	16.9532	-99999	-99999	-99999	1334.22	-99999
375.5	85.2037	9.32609	16.9257	-99999	-99999	-99999	1335.59	-99999
375.6	88.9607	9.15175	16.9453	-99999	-99999	-99999	1344.63	-99999
375.7	88.4034	8.98518	16.9514	-99999	-99999	-99999	1341.9	-99999
375.8	87.2125	8.85172	16.9309	-99999	-99999	-99999	1339.44	-99999
375.9	86.0936	8.75929	16.8342	-99999	-99999	-99999	1336.51	-99999
376	85.7722	8.6784	16.6907	-99999	-99999	-99999	1318.87	-99999
376.1	87.1216	8.6166	16.6262	-99999	-99999	-99999	1328.13	-99999
376.2	86.4624	8.60084	16.5916	-99999	-99999	-99999	1342.56	-99999
376.3	85.2847	8.64968	16.6571	-99999	-99999	-99999	1339.97	-99999
376.4	82.264	8.76834	16.7582	-99999	-99999	-99999	1326.93	-99999
376.5	79.1767	8.97284	16.9968	-99999	-99999	-99999	1310.15	-99999
376.6	79.0349	9.26753	17.3992	-99999	-99999	-99999	1298.94	-99999
376.7	80.7966	9.60658	17.9125	-99999	-99999	-99999	1301.84	-99999
376.8	82.5634	9.92844	18.5417	-99999	-99999	-99999	1306.35	-99999
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377	84.6664	10.4332	19.3649	-99999	-99999	-99999	1304.66	-99999

377.1	85.2373	10.6257	19.567	-99999	-99999	-99999	1320.79	-99999
377.2	87.1583	10.76	19.4754	-99999	-99999	-99999	1349.99	-99999
377.3	91.5047	10.8167	19.4054	-99999	-99999	-99999	1383.68	-99999
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377.5	92.0201	10.6252	18.9139	-99999	-99999	-99999	1418.07	-99999
377.6	92.5016	10.3884	18.4085	-99999	-99999	-99999	1432.06	-99999
377.7	96.0399	10.1122	17.8375	-99999	-99999	-99999	1454.4	-99999
377.8	95.1915	9.85013	17.368	-99999	-99999	-99999	1456.53	-99999
377.9	94.7385	9.60342	16.9299	-99999	-99999	-99999	1468.56	-99999
378	94.6513	9.3621	16.548	-99999	-99999	-99999	1436.37	-99999
378.1	97.6868	9.10086	16.173	-99999	-99999	-99999	1449.72	-99999
378.2	97.0283	8.8573	15.7102	-99999	-99999	-99999	1427.73	-99999
378.3	99.9881	8.65469	15.3	-99999	-99999	-99999	1419.57	-99999
378.4	101.02	8.48651	14.9301	-99999	-99999	-99999	1390.75	-99999
378.5	98.9387	8.36477	14.6907	-99999	-99999	-99999	1366.36	-99999
378.6	95.1496	8.28664	14.4518	-99999	-99999	-99999	1331.28	-99999
378.7	93.8706	8.26491	14.2953	-99999	-99999	-99999	1323.2	-99999
378.8	88.6238	8.24821	14.2164	-99999	-99999	-99999	1311.9	-99999
378.9	85.461	8.24258	14.1631	-99999	-99999	-99999	1308.84	-99999
379	81.7674	8.28972	14.1978	-99999	-99999	-99999	1267.11	-99999
379.1	80.4014	8.34181	14.2665	-99999	-99999	-99999	1276.68	-99999
379.2	77.0217	8.39404	14.3061	-99999	-99999	-99999	1290.7	-99999
379.3	75.8717	8.45124	14.3779	-99999	-99999	-99999	1317.65	-99999
379.4	76.0851	8.49752	14.456	-99999	-99999	-99999	1319.95	-99999
379.5	79.5911	8.51169	14.5269	-99999	-99999	-99999	1326.81	-99999
379.6	83.4305	8.48421	14.5479	-99999	-99999	-99999	1320.04	-99999
379.7	85.9955	8.47318	14.4709	-99999	-99999	-99999	1320.97	-99999
379.8	92.0937	8.46864	14.3959	-99999	-99999	-99999	1309.24	-99999
379.9	91.6818	8.48272	14.3485	-99999	-99999	-99999	1316.6	-99999
380	92.6099	8.51026	14.3379	-99999	-99999	-99999	1309.94	-99999
380.1	91.3607	8.5334	14.3779	-99999	-99999	-99999	1294.9	-99999
380.2	91.4453	8.55196	14.4568	-99999	-99999	-99999	1279.49	-99999
380.3	86.1667	8.56756	14.5759	-99999	-99999	-99999	1265.85	-99999
380.4	79.9356	8.60484	14.7028	-99999	-99999	-99999	1279.47	-99999
380.5	78.3628	8.67976	14.8613	-99999	-99999	-99999	1299.54	-99999
380.6	79.964	8.78924	15.083	-99999	-99999	-99999	1304.6	-99999
380.7	79.0193	8.92007	15.3082	-99999	-99999	-99999	1307.62	-99999
380.8	79.9599	9.01733	15.5163	-99999	-99999	-99999	1292.08	-99999
380.9	78.7741	9.10058	15.6864	-99999	-99999	-99999	1277.35	-99999
381	79.0093	9.17863	15.8229	-99999	-99999	-99999	1296.29	-99999
381.1	81.1212	9.25501	15.9277	-99999	-99999	-99999	1318.39	-99999
381.2	83.9759	9.34314	15.9825	-99999	-99999	-99999	1322.04	-99999
381.3	85.5195	9.43723	16.0428	-99999	-99999	-99999	1285.74	-99999
381.4	85.8704	9.505	16.082	-99999	-99999	-99999	1256.9	-99999
381.5	86.3283	9.51887	16.112	-99999	-99999	-99999	1252.92	-99999
381.6	80.5734	9.4969	16.112	-99999	-99999	-99999	1258.61	-99999
381.7	75.5379	9.46018	16.0288	-99999	-99999	-99999	1264.18	-99999

381.8	76.7362	9.41303	15.8882	-99999	-99999	-99999	1252.55	-99999
381.9	78.4077	9.36366	15.7332	-99999	-99999	-99999	1216.95	-99999
382	78.4979	9.32602	15.5503	-99999	-99999	-99999	1187.13	-99999
382.1	81.2519	9.28778	15.4308	-99999	-99999	-99999	1178.81	-99999
382.2	80.6414	9.23874	15.3045	-99999	-99999	-99999	1197.71	-99999
382.3	77.1627	9.18143	15.1997	-99999	-99999	-99999	1211.73	-99999
382.4	76.8098	9.13278	15.1162	-99999	-99999	-99999	1220.45	-99999
382.5	80.7874	9.1039	15.0664	-99999	-99999	-99999	1235.48	-99999
382.6	85.3688	9.08801	15.087	-99999	-99999	-99999	1249.93	-99999
382.7	86.8057	9.06536	15.1552	-99999	-99999	-99999	1254.26	-99999
382.8	86.7585	9.01513	15.2032	-99999	-99999	-99999	1275.33	-99999
382.9	84.7244	8.92335	15.1704	-99999	-99999	-99999	1290.73	-99999
383	82.6537	8.79987	14.9992	-99999	-99999	-99999	1291.86	-99999
383.1	82.5248	8.65992	14.7524	-99999	-99999	-99999	1298.99	-99999
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383.3	83.8318	8.35531	14.0063	-99999	-99999	-99999	1339.1	-99999
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383.6	76.7796	7.91013	12.7965	-99999	-99999	-99999	1343.11	-99999
383.7	73.5651	7.81041	12.4392	-99999	-99999	-99999	1332.91	-99999
383.8	71.8918	7.74863	12.2252	-99999	-99999	-99999	1339.21	-99999
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384	71.5523	7.72196	12.1	-99999	-99999	-99999	1327.05	-99999
384.1	69.7501	7.75957	12.1643	-99999	-99999	-99999	1313.98	-99999
384.2	69.8802	7.8177	12.2757	-99999	-99999	-99999	1282.97	-99999
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384.7	76.3234	8.07601	13.1001	-99999	-99999	-99999	1155.36	-99999
384.8	72.5256	8.09899	13.1848	-99999	-99999	-99999	1189.3	-99999
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385	74.0101	8.09962	13.3212	-99999	-99999	-99999	1165.84	-99999
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386	81.2625	8.22658	13.749	-99999	-99999	-99999	1152.01	-99999
386.1	80.4849	8.32815	14.0142	-99999	-99999	-99999	1145.26	-99999
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386.3	90.3675	8.63597	14.5331	-99999	-99999	-99999	1175.82	-99999
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386.5	101.363	8.92565	15.1149	-99999	-99999	-99999	1177.83	-99999
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387.4	84.9998	9.48287	16.0185	-99999	-99999	-99999	1062.19	-99999
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388.7	88.1731	8.544	15.4132	-99999	-99999	-99999	1296.52	-99999
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395.1	87.8091	9.05201	15.9062	-99999	-99999	-99999	1198.61	-99999
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395.7	92.7554	10.3646	18.6431	-99999	-99999	-99999	1408.79	-99999
395.8	86.8671	10.5462	19.0885	-99999	-99999	-99999	1438.57	-99999

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396.5	79.5335	10.4706	19.8239	-99999	-99999	-99999	1683.09	-99999
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397.5	79.4898	9.52128	18.6735	-99999	-99999	-99999	1885.18	-99999
397.6	79.8625	9.47777	18.5606	-99999	-99999	-99999	1901.52	-99999
397.7	80.9102	9.44494	18.5244	-99999	-99999	-99999	1886.56	-99999
397.8	79.9894	9.40311	18.4406	-99999	-99999	-99999	1877.68	-99999
397.9	79.9226	9.33919	18.3524	-99999	-99999	-99999	1887.54	-99999
398	81.081	9.26012	18.3228	-99999	-99999	-99999	1836.79	-99999
398.1	81.1886	9.1817	18.2031	-99999	-99999	-99999	1801.55	-99999
398.2	81.5606	9.10065	18.0826	-99999	-99999	-99999	1750.97	-99999
398.3	82.567	9.01401	17.9155	-99999	-99999	-99999	1696.48	-99999
398.4	82.7377	8.93234	17.6399	-99999	-99999	-99999	1628.15	-99999
398.5	81.2926	8.87606	17.4133	-99999	-99999	-99999	1586.17	-99999
398.6	81.9525	8.85653	17.1888	-99999	-99999	-99999	1546.51	-99999
398.7	83.377	8.86421	17.0084	-99999	-99999	-99999	1496.28	-99999
398.8	82.051	8.9026	16.8809	-99999	-99999	-99999	1440.56	-99999
398.9	80.2968	8.98332	16.8439	-99999	-99999	-99999	1428.58	-99999
399	81.8104	9.08577	16.9003	-99999	-99999	-99999	1425.73	-99999
399.1	82.678	9.20266	17.053	-99999	-99999	-99999	1446.96	-99999
399.2	79.7235	9.31459	17.2588	-99999	-99999	-99999	1418.96	-99999
399.3	79.8634	9.3979	17.5538	-99999	-99999	-99999	1421.48	-99999
399.4	82.1268	9.44774	17.8799	-99999	-99999	-99999	1427.66	-99999
399.5	83.2588	9.46049	18.1511	-99999	-99999	-99999	1452.3	-99999
399.6	86.9446	9.46098	18.3973	-99999	-99999	-99999	1476.85	-99999
399.7	85.6796	9.43886	18.553	-99999	-99999	-99999	1487.64	-99999
399.8	88.9731	9.37917	18.6631	-99999	-99999	-99999	1464.64	-99999
399.9	88.4525	9.27953	18.6892	-99999	-99999	-99999	1456.97	-99999
400	87.7369	9.17066	18.6762	-99999	-99999	-99999	1446.73	-99999
400.1	90.237	9.08431	18.5377	-99999	-99999	-99999	1458.21	-99999
400.2	90.3479	9.0273	18.335	-99999	-99999	-99999	1443.33	-99999
400.3	87.7284	8.99363	18.1082	-99999	-99999	-99999	1409.74	-99999
400.4	85.5557	8.99718	17.9967	-99999	-99999	-99999	1373.01	-99999
400.5	83.3487	9.02471	17.9337	-99999	-99999	-99999	1335.28	-99999

400.6	87.3335	9.08405	17.9174	-99999	-99999	-99999	1317.99	-99999
400.7	84.1074	9.16007	17.8381	-99999	-99999	-99999	1330.87	-99999
400.8	86.1138	9.29847	17.8168	-99999	-99999	-99999	1312.16	-99999
400.9	86.1189	9.4682	17.9112	-99999	-99999	-99999	1287.97	-99999
401	86.3874	9.64711	18.1559	-99999	-99999	-99999	1275.25	-99999
401.1	82.8369	9.83235	18.4786	-99999	-99999	-99999	1299.5	-99999
401.2	82.0803	10.0168	18.803	-99999	-99999	-99999	1318.99	-99999
401.3	74.4321	10.1911	19.063	-99999	-99999	-99999	1328.49	-99999
401.4	70.5894	10.3657	19.3622	-99999	-99999	-99999	1345.96	-99999
401.5	69.7279	10.5156	19.6594	-99999	-99999	-99999	1348.29	-99999
401.6	66.8555	10.629	19.9493	-99999	-99999	-99999	1322.15	-99999
401.7	64.3343	10.6895	20.1478	-99999	-99999	-99999	1330.17	-99999
401.8	65.2101	10.6946	20.1922	-99999	-99999	-99999	1356.63	-99999
401.9	66.4911	10.6533	20.1242	-99999	-99999	-99999	1371.87	-99999
402	70.5697	10.5736	19.9455	-99999	-99999	-99999	1367.79	-99999
402.1	75.7701	10.4957	19.787	-99999	-99999	-99999	1382.08	-99999
402.2	81.8395	10.3994	19.6201	-99999	-99999	-99999	1385.7	-99999
402.3	81.1497	10.2709	19.3564	-99999	-99999	-99999	1389.52	-99999
402.4	81.7199	10.1266	19.1009	-99999	-99999	-99999	1403.6	-99999
402.5	81.4808	10.0049	18.882	-99999	-99999	-99999	1421.18	-99999
402.6	80.4571	9.90292	18.7103	-99999	-99999	-99999	1416.24	-99999
402.7	83.063	9.83725	18.6138	-99999	-99999	-99999	1391.15	-99999
402.8	85.9544	9.81246	18.5707	-99999	-99999	-99999	1385.28	-99999
402.9	86.4772	9.82078	18.5428	-99999	-99999	-99999	1375.27	-99999
403	86.8069	9.82636	18.4961	-99999	-99999	-99999	1358.72	-99999
403.1	88.924	9.82749	18.449	-99999	-99999	-99999	1351.61	-99999
403.2	88.9694	9.82895	18.3951	-99999	-99999	-99999	1337.64	-99999
403.3	89.0022	9.8247	18.3477	-99999	-99999	-99999	1331.77	-99999
403.4	90.4406	9.80909	18.2895	-99999	-99999	-99999	1320.19	-99999
403.5	91.7948	9.78028	18.1881	-99999	-99999	-99999	1326.38	-99999
403.6	91.9642	9.7391	18.0617	-99999	-99999	-99999	1331.05	-99999
403.7	92.7445	9.68272	17.9825	-99999	-99999	-99999	1330.05	-99999
403.8	93.0285	9.59595	17.9003	-99999	-99999	-99999	1324.77	-99999
403.9	92.2919	9.4851	17.8148	-99999	-99999	-99999	1324.13	-99999
404	91.7939	9.37229	17.8077	-99999	-99999	-99999	1308.65	-99999
404.1	91.888	9.26637	17.8272	-99999	-99999	-99999	1298.16	-99999
404.2	93.0093	9.17615	17.8397	-99999	-99999	-99999	1280.31	-99999
404.3	93.4834	9.10519	17.8046	-99999	-99999	-99999	1244.07	-99999
404.4	89.728	9.059	17.7713	-99999	-99999	-99999	1191.87	-99999
404.5	84.5742	9.0379	17.7205	-99999	-99999	-99999	1172.21	-99999
404.6	81.7793	9.04194	17.6075	-99999	-99999	-99999	1133.88	-99999
404.7	81.0324	9.07829	17.5673	-99999	-99999	-99999	1092.36	-99999
404.8	80.822	9.14715	17.5748	-99999	-99999	-99999	1044.83	-99999
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405	80.0237	9.39681	17.554	-99999	-99999	-99999	988.913	-99999
405.1	77.7212	9.58087	17.6298	-99999	-99999	-99999	974.874	-99999
405.2	79.2463	9.81359	17.8912	-99999	-99999	-99999	963.307	-99999

405.3	84.3336	10.085	18.1534	-99999	-99999	-99999	941.739	-99999
405.4	87.8285	10.3815	18.5448	-99999	-99999	-99999	923.501	-99999
405.5	89.5043	10.6865	18.951	-99999	-99999	-99999	901.463	-99999
405.6	88.8625	11.01	19.3356	-99999	-99999	-99999	910.521	-99999
405.7	89.7913	11.3519	19.6935	-99999	-99999	-99999	908.404	-99999
405.8	89.945	11.6669	20.0521	-99999	-99999	-99999	899.698	-99999
405.9	92.6933	11.9418	20.3559	-99999	-99999	-99999	868.611	-99999
406	94.0733	12.1306	20.5919	-99999	-99999	-99999	841.951	-99999
406.1	93.1798	12.2157	20.7245	-99999	-99999	-99999	844.9	-99999
406.2	90.2222	12.1839	20.8113	-99999	-99999	-99999	846.411	-99999
406.3	87.388	12.0538	20.8003	-99999	-99999	-99999	823.227	-99999
406.4	85.5809	11.849	20.7812	-99999	-99999	-99999	832.949	-99999
406.5	82.5693	11.5681	20.7104	-99999	-99999	-99999	801.827	-99999
406.6	77.88	11.2258	20.5735	-99999	-99999	-99999	790.036	-99999
406.7	75.6703	10.8531	20.3698	-99999	-99999	-99999	787.042	-99999
406.8	75.8753	10.5038	20.2297	-99999	-99999	-99999	783.135	-99999
406.9	74.9275	10.1984	20.013	-99999	-99999	-99999	768.617	-99999
407	73.9215	9.95343	19.8524	-99999	-99999	-99999	754.741	-99999
407.1	73.9158	9.79493	19.7774	-99999	-99999	-99999	762.327	-99999
407.2	72.326	9.7122	19.7687	-99999	-99999	-99999	749.62	-99999
407.3	67.8774	9.7303	19.8069	-99999	-99999	-99999	730.05	-99999
407.4	68.2836	9.85058	19.8298	-99999	-99999	-99999	734.268	-99999
407.5	68.7248	10.0665	19.9	-99999	-99999	-99999	732.606	-99999
407.6	72.5951	10.3964	20.0495	-99999	-99999	-99999	729.35	-99999
407.7	70.7778	10.7958	20.1586	-99999	-99999	-99999	748.357	-99999
407.8	73.9651	11.2249	20.2915	-99999	-99999	-99999	758.91	-99999
407.9	74.3	11.6716	20.3686	-99999	-99999	-99999	769.002	-99999
408	80.5464	12.0889	20.408	-99999	-99999	-99999	756.756	-99999
408.1	80.7018	12.4657	20.2991	-99999	-99999	-99999	753.455	-99999
408.2	82.1159	12.7742	20.1774	-99999	-99999	-99999	749.616	-99999
408.3	89.0806	12.9624	20.084	-99999	-99999	-99999	748.982	-99999
408.4	86.8685	13.0143	19.926	-99999	-99999	-99999	747.08	-99999
408.5	87.5018	12.9067	19.6971	-99999	-99999	-99999	739.853	-99999
408.6	92.0717	12.6543	19.4439	-99999	-99999	-99999	718.339	-99999
408.7	87.8506	12.3172	19.1756	-99999	-99999	-99999	709.118	-99999
408.8	89.0954	11.9035	18.8343	-99999	-99999	-99999	707.456	-99999
408.9	81.8002	11.4633	18.4839	-99999	-99999	-99999	716.058	-99999
409	82.3397	11.0034	18.2002	-99999	-99999	-99999	716.815	-99999
409.1	85.8123	10.5422	17.8981	-99999	-99999	-99999	731.017	-99999
409.2	81.547	10.1287	17.5906	-99999	-99999	-99999	727.366	-99999
409.3	84.5928	9.79218	17.3314	-99999	-99999	-99999	721.748	-99999
409.4	81.3942	9.55082	17.1532	-99999	-99999	-99999	722.492	-99999
409.5	78.4034	9.4114	17.08	-99999	-99999	-99999	731.923	-99999
409.6	77.727	9.35699	17.1126	-99999	-99999	-99999	752.548	-99999
409.7	76.6938	9.37712	17.2862	-99999	-99999	-99999	763.266	-99999
409.8	78.2239	9.45193	17.5417	-99999	-99999	-99999	772.418	-99999
409.9	76.6045	9.59144	17.8573	-99999	-99999	-99999	777.969	-99999

410	75.738	9.78386	18.2628	-99999	-99999	-99999	783.177	-99999
410.1	76.113	10.0208	18.6963	-99999	-99999	-99999	798.457	-99999
410.2	73.9614	10.267	19.0815	-99999	-99999	-99999	800.245	-99999
410.3	75.2199	10.482	19.3873	-99999	-99999	-99999	809.048	-99999
410.4	75.3933	10.6347	19.5789	-99999	-99999	-99999	801.666	-99999
410.5	76.0828	10.7139	19.6195	-99999	-99999	-99999	784.14	-99999
410.6	75.2839	10.731	19.5648	-99999	-99999	-99999	779.761	-99999
410.7	76.321	10.6991	19.371	-99999	-99999	-99999	782.502	-99999
410.8	79.5466	10.6155	19.0499	-99999	-99999	-99999	813.564	-99999
410.9	78.0058	10.4834	18.6678	-99999	-99999	-99999	839.566	-99999
411	78.1216	10.2968	18.2393	-99999	-99999	-99999	856.19	-99999
411.1	78.2362	10.0725	17.8381	-99999	-99999	-99999	881.726	-99999
411.2	78.3537	9.84827	17.431	-99999	-99999	-99999	907.605	-99999
411.3	83.5447	9.6498	17.0887	-99999	-99999	-99999	957.064	-99999
411.4	85.1356	9.49332	16.8917	-99999	-99999	-99999	992.459	-99999
411.5	85.3088	9.39456	16.769	-99999	-99999	-99999	998.553	-99999
411.6	86.8995	9.35535	16.7953	-99999	-99999	-99999	1018.22	-99999
411.7	87.0935	9.36144	16.9227	-99999	-99999	-99999	1005.17	-99999
411.8	88.044	9.40835	17.0882	-99999	-99999	-99999	1003.33	-99999
411.9	89.3092	9.50952	17.3041	-99999	-99999	-99999	1027.99	-99999
412	90.2413	9.66223	17.6506	-99999	-99999	-99999	1049.82	-99999
412.1	90.4624	9.86386	18.074	-99999	-99999	-99999	1077.96	-99999
412.2	89.2737	10.1039	18.4957	-99999	-99999	-99999	1073.54	-99999
412.3	90.6469	10.3806	18.9421	-99999	-99999	-99999	1070.95	-99999
412.4	89.9582	10.6677	19.3208	-99999	-99999	-99999	1076.84	-99999
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412.7	86.3543	11.4211	20.763	-99999	-99999	-99999	1095.06	-99999
412.8	85.0381	11.6009	21.1975	-99999	-99999	-99999	1075.35	-99999
412.9	84.7494	11.7256	21.5199	-99999	-99999	-99999	1029.07	-99999
413	81.0197	11.7773	21.6857	-99999	-99999	-99999	975.891	-99999
413.1	78.8245	11.7671	21.7672	-99999	-99999	-99999	939.78	-99999
413.2	80.8913	11.6689	21.7092	-99999	-99999	-99999	887.164	-99999
413.3	81.0659	11.495	21.5187	-99999	-99999	-99999	858.104	-99999
413.4	82.0279	11.2645	21.1012	-99999	-99999	-99999	824.55	-99999
413.5	79.8421	10.9893	20.6118	-99999	-99999	-99999	770.031	-99999
413.6	79.0719	10.6862	19.9322	-99999	-99999	-99999	735.522	-99999
413.7	78.7052	10.3566	19.2144	-99999	-99999	-99999	701.274	-99999
413.8	75.0174	10.0387	18.4438	-99999	-99999	-99999	694.843	-99999
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414	75.9922	9.44559	16.9877	-99999	-99999	-99999	648.98	-99999
414.1	75.6464	9.21039	16.3209	-99999	-99999	-99999	656.217	-99999
414.2	77.7115	9.0116	15.8033	-99999	-99999	-99999	651.754	-99999
414.3	77.8514	8.85802	15.3724	-99999	-99999	-99999	645.543	-99999
414.4	80.7768	8.7537	15.0235	-99999	-99999	-99999	647.771	-99999
414.5	82.3046	8.69447	14.7934	-99999	-99999	-99999	641.172	-99999
414.6	82.7264	8.68633	14.7274	-99999	-99999	-99999	623.415	-99999

414.7	90.3931	8.71165	14.7606	-99999	-99999	-99999	632.453	-99999
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415	90.9385	8.98842	15.497	-99999	-99999	-99999	667.527	-99999
415.1	92.9672	9.12822	15.7916	-99999	-99999	-99999	682.177	-99999
415.2	93.5018	9.27785	16.1207	-99999	-99999	-99999	687.394	-99999
415.3	94.3784	9.41748	16.4435	-99999	-99999	-99999	701.472	-99999
415.4	91.9306	9.55091	16.6823	-99999	-99999	-99999	724.568	-99999
415.5	91.8819	9.66898	16.8915	-99999	-99999	-99999	762.575	-99999
415.6	89.5046	9.77801	17.0667	-99999	-99999	-99999	775.668	-99999
415.7	87.2133	9.87676	17.1845	-99999	-99999	-99999	787.121	-99999
415.8	87.9902	9.96113	17.2787	-99999	-99999	-99999	791.485	-99999
415.9	90.4698	10.0254	17.3713	-99999	-99999	-99999	802.183	-99999
416	91.0155	10.0808	17.497	-99999	-99999	-99999	816.116	-99999
416.1	86.5803	10.1225	17.6137	-99999	-99999	-99999	843.104	-99999
416.2	86.0291	10.1595	17.7161	-99999	-99999	-99999	871.208	-99999
416.3	86.2601	10.1986	17.8536	-99999	-99999	-99999	893.116	-99999
416.4	84.1454	10.2359	18.0211	-99999	-99999	-99999	919.015	-99999
416.5	82.4421	10.268	18.221	-99999	-99999	-99999	945.986	-99999
416.6	79.3794	10.2936	18.4006	-99999	-99999	-99999	975.696	-99999
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416.8	79.0402	10.3472	18.7731	-99999	-99999	-99999	1020.92	-99999
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417	77.3113	10.4371	19.1529	-99999	-99999	-99999	1018.54	-99999
417.1	76.4121	10.4846	19.3905	-99999	-99999	-99999	1021.96	-99999
417.2	77.3912	10.5242	19.5817	-99999	-99999	-99999	994.703	-99999
417.3	77.594	10.5527	19.6946	-99999	-99999	-99999	963.819	-99999
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417.5	76.4877	10.5964	19.7768	-99999	-99999	-99999	924.013	-99999
417.6	72.6695	10.6103	19.8118	-99999	-99999	-99999	901.061	-99999
417.7	69.1967	10.6113	19.7991	-99999	-99999	-99999	892.993	-99999
417.8	67.402	10.5909	19.7764	-99999	-99999	-99999	891.214	-99999
417.9	69.6967	10.559	19.7548	-99999	-99999	-99999	868.955	-99999
418	70.8815	10.5203	19.6411	-99999	-99999	-99999	833.514	-99999
418.1	70.4819	10.4751	19.5125	-99999	-99999	-99999	830.211	-99999
418.2	70.5651	10.4319	19.5017	-99999	-99999	-99999	833.564	-99999
418.3	69.2363	10.3799	19.5032	-99999	-99999	-99999	843.914	-99999
418.4	70.4632	10.3104	19.5173	-99999	-99999	-99999	838.855	-99999
418.5	73.7751	10.2239	19.4255	-99999	-99999	-99999	845.154	-99999
418.6	74.0131	10.1252	19.3712	-99999	-99999	-99999	831.019	-99999
418.7	76.1415	10.0221	19.2141	-99999	-99999	-99999	809.86	-99999
418.8	76.9418	9.91864	18.9924	-99999	-99999	-99999	810.83	-99999
418.9	76.3339	9.81518	18.8104	-99999	-99999	-99999	825.872	-99999
419	77.1475	9.72087	18.6496	-99999	-99999	-99999	809.324	-99999
419.1	77.7502	9.63272	18.3038	-99999	-99999	-99999	799.193	-99999
419.2	76.5993	9.5658	18.0245	-99999	-99999	-99999	805.928	-99999
419.3	73.5367	9.52679	17.7424	-99999	-99999	-99999	802.707	-99999

419.4	72.627	9.51018	17.5351	-99999	-99999	-99999	807.265	-99999
419.5	72.8661	9.52707	17.364	-99999	-99999	-99999	816.929	-99999
419.6	70.9042	9.5574	17.3116	-99999	-99999	-99999	824.537	-99999
419.7	69.4616	9.5976	17.3694	-99999	-99999	-99999	822.273	-99999
419.8	67.6463	9.64681	17.4929	-99999	-99999	-99999	823.772	-99999
419.9	65.1199	9.69164	17.655	-99999	-99999	-99999	825.003	-99999
420	64.6605	9.7289	17.8322	-99999	-99999	-99999	789.918	-99999
420.1	67.6505	9.74034	17.9579	-99999	-99999	-99999	761.111	-99999
420.2	69.663	9.73209	18.0796	-99999	-99999	-99999	742.173	-99999
420.3	68.6228	9.69829	18.1445	-99999	-99999	-99999	702.421	-99999
420.4	68.1624	9.63126	18.1604	-99999	-99999	-99999	700.878	-99999
420.5	66.7803	9.56139	18.0364	-99999	-99999	-99999	726.799	-99999
420.6	66.8133	9.47856	17.8429	-99999	-99999	-99999	721.398	-99999
420.7	65.8851	9.40269	17.5639	-99999	-99999	-99999	707.372	-99999
420.8	70.2156	9.33499	17.3028	-99999	-99999	-99999	718.923	-99999
420.9	69.9462	9.27771	17.0759	-99999	-99999	-99999	739.5	-99999
421	68.0408	9.25001	16.8948	-99999	-99999	-99999	763.575	-99999
421.1	65.3063	9.24077	16.7299	-99999	-99999	-99999	797.147	-99999
421.2	67.5865	9.25539	16.6405	-99999	-99999	-99999	822.919	-99999
421.3	72.2086	9.29145	16.6233	-99999	-99999	-99999	814.636	-99999
421.4	73.7017	9.34206	16.7143	-99999	-99999	-99999	775.161	-99999
421.5	73.3626	9.40716	16.8286	-99999	-99999	-99999	782.261	-99999
421.6	76.052	9.46176	17.0032	-99999	-99999	-99999	773.225	-99999
421.7	71.9961	9.5148	17.1552	-99999	-99999	-99999	763.853	-99999
421.8	73.4894	9.54972	17.2904	-99999	-99999	-99999	761.136	-99999
421.9	76.4653	9.56017	17.4121	-99999	-99999	-99999	734.584	-99999
422	79.4519	9.5585	17.4733	-99999	-99999	-99999	716.512	-99999
422.1	76.9984	9.53934	17.4987	-99999	-99999	-99999	717.115	-99999
422.2	69.7194	9.51249	17.4315	-99999	-99999	-99999	730.906	-99999
422.3	68.711	9.46214	17.3102	-99999	-99999	-99999	736.039	-99999
422.4	66.7263	9.4031	17.1583	-99999	-99999	-99999	736.066	-99999
422.5	65.333	9.3441	16.9592	-99999	-99999	-99999	755.428	-99999
422.6	65.6458	9.29038	16.7899	-99999	-99999	-99999	758.866	-99999
422.7	62.6481	9.26026	16.6069	-99999	-99999	-99999	758.25	-99999
422.8	61.0748	9.25211	16.4533	-99999	-99999	-99999	768.999	-99999
422.9	59.7343	9.25893	16.3697	-99999	-99999	-99999	777.532	-99999
423	64.8177	9.27149	16.2887	-99999	-99999	-99999	776.513	-99999
423.1	72.9972	9.29047	16.2405	-99999	-99999	-99999	786.253	-99999
423.2	77.3046	9.31801	16.1854	-99999	-99999	-99999	817.61	-99999
423.3	79.7362	9.35144	16.1575	-99999	-99999	-99999	837.985	-99999
423.4	79.6229	9.38094	16.131	-99999	-99999	-99999	859.674	-99999
423.5	81.3802	9.40989	16.1042	-99999	-99999	-99999	884.31	-99999
423.6	87.9481	9.42795	16.0971	-99999	-99999	-99999	903.45	-99999
423.7	88.771	9.43632	16.0688	-99999	-99999	-99999	916.787	-99999
423.8	88.1577	9.43882	15.999	-99999	-99999	-99999	934.933	-99999
423.9	82.4015	9.44682	15.9701	-99999	-99999	-99999	939.501	-99999
424	76.813	9.44088	15.9562	-99999	-99999	-99999	923.077	-99999

424.1	76.3318	9.42875	15.975	-99999	-99999	-99999	917.945	-99999
424.2	77.5811	9.41111	15.9821	-99999	-99999	-99999	906.701	-99999
424.3	81.2396	9.38283	16.0217	-99999	-99999	-99999	896.54	-99999
424.4	80.7583	9.33811	16.052	-99999	-99999	-99999	881.531	-99999
424.5	76.2652	9.28814	16.08	-99999	-99999	-99999	855.384	-99999
424.6	74.1529	9.2345	16.0989	-99999	-99999	-99999	812.205	-99999
424.7	74.5773	9.16995	16.1545	-99999	-99999	-99999	765.712	-99999
424.8	77.5779	9.1003	16.1558	-99999	-99999	-99999	759.7	-99999
424.9	83.3242	9.03438	16.1438	-99999	-99999	-99999	760.875	-99999
425	84.6402	8.97454	16.1668	-99999	-99999	-99999	734.731	-99999
425.1	84.0816	8.92577	16.234	-99999	-99999	-99999	730.176	-99999
425.2	81.4785	8.89305	16.2956	-99999	-99999	-99999	722.914	-99999
425.3	79.6861	8.88216	16.3503	-99999	-99999	-99999	715.446	-99999
425.4	79.3365	8.88439	16.5098	-99999	-99999	-99999	712.629	-99999
425.5	78.0694	8.89816	16.6508	-99999	-99999	-99999	738.642	-99999
425.6	77.8863	8.93745	16.7887	-99999	-99999	-99999	742.299	-99999
425.7	76.7929	8.99623	16.9605	-99999	-99999	-99999	739.647	-99999
425.8	74.6566	9.06483	17.1303	-99999	-99999	-99999	737.317	-99999
425.9	73.1148	9.13818	17.2554	-99999	-99999	-99999	735.648	-99999
426	72.8342	9.21572	17.2898	-99999	-99999	-99999	725.393	-99999
426.1	72.68	9.28879	17.3253	-99999	-99999	-99999	728.755	-99999
426.2	72.3065	9.35316	17.3928	-99999	-99999	-99999	728.894	-99999
426.3	75.2959	9.41964	17.3244	-99999	-99999	-99999	737.354	-99999
426.4	77.6842	9.49712	17.2956	-99999	-99999	-99999	735.164	-99999
426.5	77.7451	9.55871	17.1717	-99999	-99999	-99999	735.709	-99999
426.6	76.5691	9.60226	17.083	-99999	-99999	-99999	744.648	-99999
426.7	75.2691	9.64777	17.0184	-99999	-99999	-99999	763.558	-99999
426.8	77.5493	9.68099	16.9526	-99999	-99999	-99999	779.872	-99999
426.9	75.5156	9.70103	16.9842	-99999	-99999	-99999	776.574	-99999
427	76.308	9.71241	17.0545	-99999	-99999	-99999	767.447	-99999
427.1	76.7657	9.71064	17.1159	-99999	-99999	-99999	763.474	-99999
427.2	76.1773	9.68275	17.2229	-99999	-99999	-99999	746.468	-99999
427.3	77.8392	9.6245	17.3879	-99999	-99999	-99999	747.402	-99999
427.4	76.6469	9.55074	17.5892	-99999	-99999	-99999	751.746	-99999
427.5	77.9093	9.46153	17.755	-99999	-99999	-99999	751.042	-99999
427.6	75.397	9.34682	17.9144	-99999	-99999	-99999	727.481	-99999
427.7	71.615	9.23489	18.0584	-99999	-99999	-99999	719.293	-99999
427.8	71.9464	9.12395	18.1173	-99999	-99999	-99999	734.588	-99999
427.9	72.0209	9.02872	18.1687	-99999	-99999	-99999	736.245	-99999
428	78.1057	8.94891	18.1898	-99999	-99999	-99999	750.765	-99999
428.1	80.4012	8.90882	18.2742	-99999	-99999	-99999	770.791	-99999
428.2	79.6654	8.90699	18.3394	-99999	-99999	-99999	785.912	-99999
428.3	82.8465	8.95295	18.475	-99999	-99999	-99999	782.662	-99999
428.4	80.5939	9.04999	18.6774	-99999	-99999	-99999	773.102	-99999
428.5	81.8954	9.20788	18.9184	-99999	-99999	-99999	792.355	-99999
428.6	86.6034	9.40977	19.1977	-99999	-99999	-99999	780.23	-99999
428.7	86.5411	9.67567	19.5473	-99999	-99999	-99999	784.074	-99999

428.8	88.3714	9.96978	19.9131	-99999	-99999	-99999	795.205	-99999
428.9	81.2814	10.2943	20.2761	-99999	-99999	-99999	796.551	-99999
429	76.6706	10.63	20.4957	-99999	-99999	-99999	801.46	-99999
429.1	73.599	10.9681	20.7174	-99999	-99999	-99999	805.677	-99999
429.2	75.6627	11.3098	20.8508	-99999	-99999	-99999	810.729	-99999
429.3	74.1349	11.6511	20.8723	-99999	-99999	-99999	812.364	-99999
429.4	74.156	11.9271	20.8734	-99999	-99999	-99999	806.186	-99999
429.5	69.9432	12.1255	20.807	-99999	-99999	-99999	797.509	-99999
429.6	72.3174	12.2147	20.659	-99999	-99999	-99999	778.473	-99999
429.7	69.5892	12.205	20.4694	-99999	-99999	-99999	766.567	-99999
429.8	67.9697	12.0991	20.3101	-99999	-99999	-99999	746.695	-99999
429.9	69.6189	11.9019	20.1498	-99999	-99999	-99999	738.572	-99999
430	70.2066	11.631	19.891	-99999	-99999	-99999	753.011	-99999
430.1	66.7182	11.2846	19.6451	-99999	-99999	-99999	758.282	-99999
430.2	69.565	10.8774	19.3659	-99999	-99999	-99999	733.896	-99999
430.3	69.7239	10.4511	19.0155	-99999	-99999	-99999	726.566	-99999
430.4	70.221	10.0316	18.6232	-99999	-99999	-99999	732.728	-99999
430.5	70.1721	9.63619	18.2612	-99999	-99999	-99999	721.136	-99999
430.6	70.2066	9.28638	17.8916	-99999	-99999	-99999	718.789	-99999
430.7	70.6829	8.99253	17.5309	-99999	-99999	-99999	730.569	-99999
430.8	71.3277	8.76323	17.266	-99999	-99999	-99999	720.9	-99999
430.9	72.2386	8.59598	17.1076	-99999	-99999	-99999	699.76	-99999
431	70.7518	8.49778	17.0167	-99999	-99999	-99999	705.898	-99999
431.1	66.2711	8.45935	17.0399	-99999	-99999	-99999	721.825	-99999
431.2	63.5733	8.46759	17.1837	-99999	-99999	-99999	726.025	-99999
431.3	65.2189	8.52357	17.475	-99999	-99999	-99999	735.571	-99999
431.4	63.4941	8.63166	17.7865	-99999	-99999	-99999	744.132	-99999
431.5	64.7527	8.78082	18.1317	-99999	-99999	-99999	749.865	-99999
431.6	65.9783	8.96572	18.5077	-99999	-99999	-99999	744.147	-99999
431.7	65.8301	9.18646	18.8884	-99999	-99999	-99999	745.224	-99999
431.8	64.7082	9.42824	19.2475	-99999	-99999	-99999	742.452	-99999
431.9	64.9446	9.66802	19.5648	-99999	-99999	-99999	733.027	-99999
432	67.5263	9.91255	19.7844	-99999	-99999	-99999	742.965	-99999
432.1	68.4851	10.1596	19.933	-99999	-99999	-99999	739.281	-99999
432.2	66.966	10.4036	20.0635	-99999	-99999	-99999	721.478	-99999
432.3	68.7931	10.6477	20.1401	-99999	-99999	-99999	730.52	-99999
432.4	72.7654	10.8913	20.2162	-99999	-99999	-99999	735.624	-99999
432.5	76.0593	11.1199	20.2791	-99999	-99999	-99999	733.286	-99999
432.6	76.1595	11.3041	20.2899	-99999	-99999	-99999	731.173	-99999
432.7	75.8002	11.4309	20.2804	-99999	-99999	-99999	747.65	-99999
432.8	76.1815	11.5173	20.2746	-99999	-99999	-99999	757.129	-99999
432.9	77.0185	11.5694	20.3268	-99999	-99999	-99999	745.814	-99999
433	77.1212	11.6007	20.4032	-99999	-99999	-99999	738.412	-99999
433.1	76.7716	11.6039	20.3353	-99999	-99999	-99999	746.466	-99999
433.2	74.2138	11.5754	20.3999	-99999	-99999	-99999	726.906	-99999
433.3	68.0905	11.494	20.3326	-99999	-99999	-99999	724.661	-99999
433.4	64.6858	11.3696	20.2198	-99999	-99999	-99999	733.874	-99999

433.5	65.1262	11.2358	20.1101	-99999	-99999	-99999	727.314	-99999
433.6	64.5825	11.1127	19.9496	-99999	-99999	-99999	689.169	-99999
433.7	64.7388	10.9876	19.7183	-99999	-99999	-99999	689.543	-99999
433.8	65.4425	10.8704	19.4504	-99999	-99999	-99999	684.432	-99999
433.9	67.0098	10.7568	19.1713	-99999	-99999	-99999	704.681	-99999
434	69.4872	10.6516	18.9572	-99999	-99999	-99999	739.402	-99999
434.1	70.0712	10.5631	18.6739	-99999	-99999	-99999	765.632	-99999
434.2	71.8929	10.4983	18.4314	-99999	-99999	-99999	770.23	-99999
434.3	71.7566	10.4588	18.2678	-99999	-99999	-99999	782.302	-99999
434.4	70.3224	10.4224	18.1224	-99999	-99999	-99999	795.419	-99999
434.5	71.594	10.4	18.0775	-99999	-99999	-99999	810.381	-99999
434.6	70.2658	10.3783	18.0913	-99999	-99999	-99999	809.721	-99999
434.7	73.1337	10.3515	18.1406	-99999	-99999	-99999	811.744	-99999
434.8	74.9732	10.3204	18.1916	-99999	-99999	-99999	809.851	-99999
434.9	72.3566	10.2724	18.2253	-99999	-99999	-99999	777.9	-99999
435	73.7866	10.1967	18.2239	-99999	-99999	-99999	757.526	-99999
435.1	77.2079	10.1252	18.1805	-99999	-99999	-99999	756.208	-99999
435.2	81.5522	10.0326	18.0589	-99999	-99999	-99999	747.691	-99999
435.3	86.6723	9.93504	17.8744	-99999	-99999	-99999	760.25	-99999
435.4	88.0988	9.82393	17.6348	-99999	-99999	-99999	795.622	-99999
435.5	83.6378	9.71607	17.3569	-99999	-99999	-99999	837.399	-99999
435.6	82.0496	9.60865	17.0728	-99999	-99999	-99999	885.766	-99999
435.7	81.007	9.52414	16.8303	-99999	-99999	-99999	963.81	-99999
435.8	81.4701	9.45706	16.6198	-99999	-99999	-99999	1060.76	-99999
435.9	83.6572	9.42446	16.5169	-99999	-99999	-99999	1154.9	-99999
436	84.1901	9.39522	16.5144	-99999	-99999	-99999	1227.88	-99999
436.1	80.8512	9.38933	16.604	-99999	-99999	-99999	1321.08	-99999
436.2	79.7399	9.38553	16.7269	-99999	-99999	-99999	1396.95	-99999
436.3	80.9608	9.38865	16.9221	-99999	-99999	-99999	1436.72	-99999
436.4	89.368	9.40608	17.1658	-99999	-99999	-99999	1460.72	-99999
436.5	84.0013	9.41757	17.3984	-99999	-99999	-99999	1454.74	-99999
436.6	84.6596	9.42337	17.6333	-99999	-99999	-99999	1404.85	-99999
436.7	88.4343	9.41409	17.8408	-99999	-99999	-99999	1328.43	-99999
436.8	83.1427	9.38994	17.9733	-99999	-99999	-99999	1258.81	-99999
436.9	80.0925	9.35333	17.9938	-99999	-99999	-99999	1200.92	-99999
437	78.3206	9.30779	17.9648	-99999	-99999	-99999	1122.5	-99999
437.1	76.3036	9.26553	17.8998	-99999	-99999	-99999	1043.27	-99999
437.2	75.724	9.22406	17.7634	-99999	-99999	-99999	977.172	-99999
437.3	76.7361	9.18448	17.6105	-99999	-99999	-99999	924.065	-99999
437.4	81.2563	9.15548	17.45	-99999	-99999	-99999	881.881	-99999
437.5	81.4369	9.13482	17.2438	-99999	-99999	-99999	848.045	-99999
437.6	81.4035	9.12743	17.0303	-99999	-99999	-99999	837.789	-99999
437.7	82.9089	9.12053	16.8369	-99999	-99999	-99999	822.298	-99999
437.8	81.1588	9.11847	16.7136	-99999	-99999	-99999	792.737	-99999
437.9	80.2696	9.11835	16.6096	-99999	-99999	-99999	763.049	-99999
438	77.8117	9.12696	16.5235	-99999	-99999	-99999	741.41	-99999
438.1	75.6899	9.14415	16.4567	-99999	-99999	-99999	753.695	-99999

438.2	75.7386	9.16928	16.4526	-99999	-99999	-99999	759.598	-99999
438.3	73.2737	9.207	16.4441	-99999	-99999	-99999	774.59	-99999
438.4	73.118	9.25531	16.5477	-99999	-99999	-99999	781.814	-99999
438.5	72.0541	9.31189	16.6787	-99999	-99999	-99999	786.966	-99999
438.6	74.211	9.38131	16.864	-99999	-99999	-99999	800.785	-99999
438.7	75.6671	9.471	17.0836	-99999	-99999	-99999	818.677	-99999
438.8	76.9021	9.58647	17.2798	-99999	-99999	-99999	831.669	-99999
438.9	77.2907	9.71944	17.4358	-99999	-99999	-99999	869.989	-99999
439	75.12	9.8681	17.5404	-99999	-99999	-99999	881.707	-99999
439.1	71.3531	10.0289	17.5238	-99999	-99999	-99999	907.369	-99999
439.2	70.9225	10.1806	17.4368	-99999	-99999	-99999	927.583	-99999
439.3	70.5101	10.3096	17.2729	-99999	-99999	-99999	993.359	-99999
439.4	69.0143	10.4111	17.117	-99999	-99999	-99999	1025.97	-99999
439.5	67.4837	10.4823	17.0597	-99999	-99999	-99999	1054.18	-99999
439.6	68.7498	10.5306	17.0411	-99999	-99999	-99999	1101.01	-99999
439.7	70.4433	10.5398	17.1803	-99999	-99999	-99999	1155.68	-99999
439.8	71.4271	10.4977	17.4907	-99999	-99999	-99999	1190.82	-99999
439.9	72.5153	10.411	17.8535	-99999	-99999	-99999	1213.43	-99999
440	73.682	10.2736	18.236	-99999	-99999	-99999	1189.48	-99999
440.1	73.0343	10.1049	18.6293	-99999	-99999	-99999	1199.81	-99999
440.2	74.0514	9.92139	18.9375	-99999	-99999	-99999	1184.95	-99999
440.3	76.0885	9.74394	19.1613	-99999	-99999	-99999	1153.68	-99999
440.4	77.4184	9.57173	19.2257	-99999	-99999	-99999	1134.8	-99999
440.5	78.6745	9.40448	19.0531	-99999	-99999	-99999	1081.04	-99999
440.6	79.0503	9.26787	18.7707	-99999	-99999	-99999	1030.54	-99999
440.7	80.7163	9.18247	18.3334	-99999	-99999	-99999	968.652	-99999
440.8	80.8618	9.14955	17.8947	-99999	-99999	-99999	909.494	-99999
440.9	79.2254	9.17862	17.5088	-99999	-99999	-99999	900.857	-99999
441	77.722	9.27368	17.2838	-99999	-99999	-99999	839.704	-99999
441.1	74.1921	9.42494	17.1136	-99999	-99999	-99999	812.864	-99999
441.2	71.7747	9.62687	17.0658	-99999	-99999	-99999	808.295	-99999
441.3	67.5634	9.86514	17.1123	-99999	-99999	-99999	781.992	-99999
441.4	63.0418	10.1097	17.3185	-99999	-99999	-99999	781.076	-99999
441.5	62.9271	10.3448	17.5332	-99999	-99999	-99999	773.689	-99999
441.6	61.9889	10.5364	17.8299	-99999	-99999	-99999	781.618	-99999
441.7	63.0396	10.6802	18.1406	-99999	-99999	-99999	797.372	-99999
441.8	65.326	10.7507	18.3705	-99999	-99999	-99999	810.697	-99999
441.9	66.4425	10.7356	18.422	-99999	-99999	-99999	833.523	-99999
442	69.8217	10.6397	18.4116	-99999	-99999	-99999	815.667	-99999
442.1	68.3471	10.4638	18.2357	-99999	-99999	-99999	822.987	-99999
442.2	70.4581	10.2311	17.9659	-99999	-99999	-99999	818.248	-99999
442.3	72.5813	9.96161	17.6153	-99999	-99999	-99999	829.384	-99999
442.4	71.0471	9.68119	17.2157	-99999	-99999	-99999	831.478	-99999
442.5	70.3482	9.41461	16.7982	-99999	-99999	-99999	822.441	-99999
442.6	69.4863	9.17208	16.3875	-99999	-99999	-99999	802.489	-99999
442.7	69.4126	8.99537	16.1112	-99999	-99999	-99999	796.379	-99999
442.8	68.5397	8.88536	15.9378	-99999	-99999	-99999	786.394	-99999

442.9	70.681	8.84334	15.864	-99999	-99999	-99999	775.055	-99999
443	72.808	8.87561	15.9044	-99999	-99999	-99999	764.813	-99999
443.1	72.5944	8.95723	16.0358	-99999	-99999	-99999	771.339	-99999
443.2	74.4637	9.0808	16.2365	-99999	-99999	-99999	777.259	-99999
443.3	74.2342	9.23658	16.5106	-99999	-99999	-99999	792.41	-99999
443.4	74.4307	9.41292	16.7852	-99999	-99999	-99999	812.029	-99999
443.5	74.5746	9.60495	17.0385	-99999	-99999	-99999	821.944	-99999
443.6	75.4313	9.80896	17.252	-99999	-99999	-99999	818.1	-99999
443.7	77.4746	10.0013	17.444	-99999	-99999	-99999	803.58	-99999
443.8	72.1389	10.1622	17.6275	-99999	-99999	-99999	796.052	-99999
443.9	71.5127	10.2599	17.7585	-99999	-99999	-99999	785.809	-99999
444	73.6462	10.3313	17.8225	-99999	-99999	-99999	773.362	-99999
444.1	72.8254	10.3803	17.8272	-99999	-99999	-99999	752.555	-99999
444.2	74.4326	10.4081	17.7539	-99999	-99999	-99999	720.743	-99999
444.3	74.56	10.4278	17.6868	-99999	-99999	-99999	710.154	-99999
444.4	75.0977	10.4329	17.6166	-99999	-99999	-99999	717.582	-99999
444.5	71.9883	10.408	17.5548	-99999	-99999	-99999	726.696	-99999
444.6	71.7083	10.364	17.4578	-99999	-99999	-99999	742.543	-99999
444.7	72.1012	10.3101	17.3614	-99999	-99999	-99999	756.186	-99999
444.8	71.3616	10.2758	17.2565	-99999	-99999	-99999	771.117	-99999
444.9	68.832	10.2562	17.1918	-99999	-99999	-99999	757.611	-99999
445	69.5798	10.2538	17.1727	-99999	-99999	-99999	754.945	-99999
445.1	69.752	10.2642	17.1993	-99999	-99999	-99999	765.984	-99999
445.2	68.3126	10.267	17.2304	-99999	-99999	-99999	762.172	-99999
445.3	71.1739	10.2703	17.2334	-99999	-99999	-99999	771.085	-99999
445.4	75.0496	10.2804	17.2703	-99999	-99999	-99999	769.737	-99999
445.5	75.1513	10.3153	17.385	-99999	-99999	-99999	766.662	-99999
445.6	79.3004	10.3912	17.4919	-99999	-99999	-99999	766.459	-99999
445.7	82.2646	10.4829	17.6231	-99999	-99999	-99999	768.628	-99999
445.8	86.2536	10.5812	17.7683	-99999	-99999	-99999	775.734	-99999
445.9	86.6065	10.6763	17.9017	-99999	-99999	-99999	769.296	-99999
446	88.0567	10.7667	18.0191	-99999	-99999	-99999	751.076	-99999
446.1	90.2326	10.8525	18.1028	-99999	-99999	-99999	746.295	-99999
446.2	88.167	10.9253	18.176	-99999	-99999	-99999	745.879	-99999
446.3	86.9917	10.9965	18.235	-99999	-99999	-99999	749.508	-99999
446.4	87.5398	11.048	18.2611	-99999	-99999	-99999	756.013	-99999
446.5	88.4108	11.078	18.2732	-99999	-99999	-99999	737.219	-99999
446.6	88.9708	11.0816	18.2939	-99999	-99999	-99999	750.289	-99999
446.7	86.3701	11.0639	18.3229	-99999	-99999	-99999	778.322	-99999
446.8	86.0749	11.0476	18.4227	-99999	-99999	-99999	774.229	-99999
446.9	87.8305	11.0443	18.5428	-99999	-99999	-99999	789.182	-99999
447	87.9345	11.0581	18.7394	-99999	-99999	-99999	785.892	-99999
447.1	87.39	11.0849	18.9909	-99999	-99999	-99999	760.877	-99999
447.2	88.2829	11.1101	19.2016	-99999	-99999	-99999	729.189	-99999
447.3	85.3419	11.1375	19.3961	-99999	-99999	-99999	717.967	-99999
447.4	82.4644	11.1515	19.6041	-99999	-99999	-99999	711.97	-99999
447.5	83.521	11.1799	19.7387	-99999	-99999	-99999	678.579	-99999

447.6	81.9896	11.1994	19.8219	-99999	-99999	-99999	663.953	-99999
447.7	77.2048	11.1985	19.7739	-99999	-99999	-99999	682.362	-99999
447.8	73.5081	11.174	19.6632	-99999	-99999	-99999	673.664	-99999
447.9	74.0692	11.1336	19.4949	-99999	-99999	-99999	654.022	-99999
448	75.9229	11.074	19.3156	-99999	-99999	-99999	655.455	-99999
448.1	75.1592	11.0166	19.089	-99999	-99999	-99999	671.609	-99999
448.2	78.6597	10.9473	18.8595	-99999	-99999	-99999	658.461	-99999
448.3	76.2762	10.8996	18.6086	-99999	-99999	-99999	667.551	-99999
448.4	72.148	10.8387	18.339	-99999	-99999	-99999	666.355	-99999
448.5	73.8291	10.7822	18.0686	-99999	-99999	-99999	642.178	-99999
448.6	78.0517	10.7144	17.82	-99999	-99999	-99999	636.859	-99999
448.7	80.1571	10.637	17.5132	-99999	-99999	-99999	639.925	-99999
448.8	77.0564	10.5448	17.187	-99999	-99999	-99999	661.122	-99999
448.9	76.2277	10.4402	16.8263	-99999	-99999	-99999	679.057	-99999
449	75.6726	10.3294	16.4692	-99999	-99999	-99999	677.983	-99999
449.1	73.3821	10.2269	16.1045	-99999	-99999	-99999	698.173	-99999
449.2	75.1701	10.1134	15.8054	-99999	-99999	-99999	719.763	-99999
449.3	76.9663	10.0142	15.5815	-99999	-99999	-99999	712.137	-99999
449.4	74.5715	9.9217	15.4156	-99999	-99999	-99999	730.069	-99999
449.5	70.7627	9.8483	15.3611	-99999	-99999	-99999	707.068	-99999
449.6	70.0321	9.79255	15.4431	-99999	-99999	-99999	705.722	-99999
449.7	73.8974	9.76241	15.5499	-99999	-99999	-99999	693.868	-99999
449.8	69.9256	9.75176	15.7265	-99999	-99999	-99999	688.068	-99999
449.9	70.8216	9.74206	15.9523	-99999	-99999	-99999	699.728	-99999
450	74.3127	9.72626	16.174	-99999	-99999	-99999	701.702	-99999
450.1	77.8069	9.69224	16.3633	-99999	-99999	-99999	723.564	-99999
450.2	74.6176	9.65341	16.4582	-99999	-99999	-99999	760.197	-99999
450.3	78.0291	9.60847	16.4623	-99999	-99999	-99999	771.485	-99999
450.4	81.9249	9.58598	16.4164	-99999	-99999	-99999	788.291	-99999
450.5	85.1384	9.57658	16.3401	-99999	-99999	-99999	790.106	-99999
450.6	85.5945	9.58728	16.2857	-99999	-99999	-99999	803.796	-99999
450.7	89.5106	9.61967	16.2726	-99999	-99999	-99999	798.663	-99999
450.8	87.6981	9.66559	16.2777	-99999	-99999	-99999	776.154	-99999
450.9	85.8336	9.74334	16.3329	-99999	-99999	-99999	766.656	-99999
451	83.722	9.85443	16.434	-99999	-99999	-99999	742.043	-99999
451.1	85.9735	9.98339	16.6429	-99999	-99999	-99999	729.462	-99999
451.2	86.8878	10.1227	16.9184	-99999	-99999	-99999	739.443	-99999
451.3	87.325	10.2429	17.1589	-99999	-99999	-99999	751.759	-99999
451.4	85.0122	10.3171	17.3698	-99999	-99999	-99999	746.445	-99999
451.5	82.3907	10.3336	17.5295	-99999	-99999	-99999	742.119	-99999
451.6	83.4639	10.3041	17.6216	-99999	-99999	-99999	771.495	-99999
451.7	83.8259	10.2408	17.6373	-99999	-99999	-99999	800.177	-99999
451.8	81.2937	10.1451	17.5618	-99999	-99999	-99999	811.113	-99999
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452	75.066	9.89071	17.3054	-99999	-99999	-99999	814.79	-99999
452.1	73.4935	9.73115	17.1383	-99999	-99999	-99999	807.174	-99999
452.2	70.581	9.56688	16.9606	-99999	-99999	-99999	804.424	-99999

452.3	69.9719	9.42224	16.7872	-99999	-99999	-99999	805.983	-99999
452.4	68.6662	9.30426	16.6139	-99999	-99999	-99999	808.579	-99999
452.5	66.0356	9.21189	16.4744	-99999	-99999	-99999	808.653	-99999
452.6	65.5998	9.14897	16.3789	-99999	-99999	-99999	810.741	-99999
452.7	67.3253	9.10935	16.2893	-99999	-99999	-99999	817.861	-99999
452.8	70.7317	9.09105	16.2254	-99999	-99999	-99999	836.985	-99999
452.9	73.7614	9.1012	16.1708	-99999	-99999	-99999	843.378	-99999
453	76.6913	9.13434	16.1402	-99999	-99999	-99999	847.336	-99999
453.1	77.9001	9.18705	16.1233	-99999	-99999	-99999	858.528	-99999
453.2	77.3327	9.2564	16.2108	-99999	-99999	-99999	867.886	-99999
453.3	76.401	9.33817	16.3075	-99999	-99999	-99999	853.021	-99999
453.4	75.6697	9.42768	16.366	-99999	-99999	-99999	844.508	-99999
453.5	76.9495	9.51549	16.5039	-99999	-99999	-99999	835.034	-99999
453.6	75.0189	9.59004	16.6568	-99999	-99999	-99999	824.651	-99999
453.7	70.6651	9.6523	16.7755	-99999	-99999	-99999	832.834	-99999
453.8	66.3869	9.68529	16.8421	-99999	-99999	-99999	843.246	-99999
453.9	61.9811	9.69053	16.8355	-99999	-99999	-99999	865.26	-99999
454	61.1066	9.65781	16.8623	-99999	-99999	-99999	872.616	-99999
454.1	61.4036	9.59945	16.7806	-99999	-99999	-99999	896.015	-99999
454.2	61.0814	9.5301	16.7118	-99999	-99999	-99999	907.149	-99999
454.3	58.7704	9.44613	16.642	-99999	-99999	-99999	916.304	-99999
454.4	56.2608	9.3445	16.5208	-99999	-99999	-99999	920.191	-99999
454.5	58.4862	9.25429	16.4123	-99999	-99999	-99999	922.133	-99999
454.6	61.1452	9.16572	16.3679	-99999	-99999	-99999	926.097	-99999
454.7	63.4858	9.09728	16.3454	-99999	-99999	-99999	918.105	-99999
454.8	64.0038	9.05238	16.3462	-99999	-99999	-99999	890.786	-99999
454.9	63.5974	9.04151	16.31	-99999	-99999	-99999	892.399	-99999
455	62.7055	9.05158	16.3329	-99999	-99999	-99999	870.329	-99999
455.1	64.653	9.08691	16.3218	-99999	-99999	-99999	877.406	-99999
455.2	69.0835	9.13758	16.341	-99999	-99999	-99999	883.275	-99999
455.3	74.1692	9.20827	16.3682	-99999	-99999	-99999	893.132	-99999
455.4	72.0315	9.28286	16.3845	-99999	-99999	-99999	901.978	-99999
455.5	72.6434	9.36783	16.3764	-99999	-99999	-99999	903.468	-99999
455.6	72.018	9.44978	16.405	-99999	-99999	-99999	933.658	-99999
455.7	73.6455	9.52216	16.4509	-99999	-99999	-99999	957.452	-99999
455.8	73.7342	9.58885	16.4883	-99999	-99999	-99999	951.383	-99999
455.9	82.1532	9.6358	16.492	-99999	-99999	-99999	971.88	-99999
456	82.4282	9.64919	16.5621	-99999	-99999	-99999	990.268	-99999
456.1	81.3016	9.65389	16.6215	-99999	-99999	-99999	991.347	-99999
456.2	80.929	9.64256	16.6363	-99999	-99999	-99999	1013.26	-99999
456.3	85.7911	9.60462	16.6383	-99999	-99999	-99999	1016.21	-99999
456.4	87.9949	9.54244	16.6604	-99999	-99999	-99999	996.837	-99999
456.5	90.1852	9.46525	16.6482	-99999	-99999	-99999	997.774	-99999
456.6	92.4836	9.36696	16.6283	-99999	-99999	-99999	997.925	-99999
456.7	91.4301	9.24424	16.6327	-99999	-99999	-99999	985.909	-99999
456.8	83.0714	9.12794	16.6385	-99999	-99999	-99999	968.677	-99999
456.9	82.7007	9.01502	16.5614	-99999	-99999	-99999	968.852	-99999

457	85.8386	8.91714	16.4816	-99999	-99999	-99999	969.902	-99999
457.1	83.0727	8.83631	16.3984	-99999	-99999	-99999	964.622	-99999
457.2	79.107	8.7817	16.2928	-99999	-99999	-99999	968.088	-99999
457.3	78.008	8.74409	16.1939	-99999	-99999	-99999	981.985	-99999
457.4	72.9189	8.73558	16.1981	-99999	-99999	-99999	997.618	-99999
457.5	69.045	8.74716	16.2703	-99999	-99999	-99999	1020.15	-99999
457.6	72.4032	8.78959	16.3388	-99999	-99999	-99999	1059.59	-99999
457.7	74.462	8.84592	16.475	-99999	-99999	-99999	1078.04	-99999
457.8	76.997	8.93417	16.65	-99999	-99999	-99999	1083.41	-99999
457.9	70.5158	9.0613	16.7969	-99999	-99999	-99999	1110.89	-99999
458	74.8987	9.22184	16.9412	-99999	-99999	-99999	1122.32	-99999
458.1	76.8128	9.40186	17.0894	-99999	-99999	-99999	1127.9	-99999
458.2	78.417	9.59785	17.2325	-99999	-99999	-99999	1128.18	-99999
458.3	81.9511	9.80196	17.3025	-99999	-99999	-99999	1119.99	-99999
458.4	82.091	10.0167	17.3703	-99999	-99999	-99999	1100.99	-99999
458.5	82.3275	10.2321	17.4689	-99999	-99999	-99999	1091.27	-99999
458.6	82.0797	10.4574	17.6214	-99999	-99999	-99999	1105.76	-99999
458.7	81.7412	10.6595	17.8062	-99999	-99999	-99999	1103.71	-99999
458.8	84.4998	10.8054	18.0792	-99999	-99999	-99999	1088.58	-99999
458.9	80.0937	10.8825	18.4608	-99999	-99999	-99999	1089.03	-99999
459	80.1123	10.8839	18.8241	-99999	-99999	-99999	1095.57	-99999
459.1	80.4072	10.8275	19.1703	-99999	-99999	-99999	1093.69	-99999
459.2	79.3947	10.7224	19.5224	-99999	-99999	-99999	1095.56	-99999
459.3	81.4345	10.5924	19.8237	-99999	-99999	-99999	1126.23	-99999
459.4	81.5174	10.4382	20.0367	-99999	-99999	-99999	1140.28	-99999
459.5	85.3236	10.2529	20.0185	-99999	-99999	-99999	1148.23	-99999
459.6	89.2702	10.0483	19.8933	-99999	-99999	-99999	1154.04	-99999
459.7	87.9982	9.85059	19.6989	-99999	-99999	-99999	1160.03	-99999
459.8	88.1578	9.70175	19.4442	-99999	-99999	-99999	1159.92	-99999
459.9	87.2296	9.63347	19.1845	-99999	-99999	-99999	1160.79	-99999
460	87.0286	9.65909	18.8848	-99999	-99999	-99999	1148.85	-99999
460.1	87.2536	9.78899	18.668	-99999	-99999	-99999	1154.13	-99999
460.2	85.7546	10.0347	18.4873	-99999	-99999	-99999	1148.52	-99999
460.3	84.2296	10.3927	18.4138	-99999	-99999	-99999	1141.95	-99999
460.4	79.5553	10.8296	18.5427	-99999	-99999	-99999	1113.06	-99999
460.5	75.7949	11.3068	18.752	-99999	-99999	-99999	1104.53	-99999
460.6	75.6945	11.7806	18.9628	-99999	-99999	-99999	1099.02	-99999
460.7	74.8135	12.2319	19.1732	-99999	-99999	-99999	1100.16	-99999
460.8	74.4311	12.6087	19.3897	-99999	-99999	-99999	1105.04	-99999
460.9	75.1976	12.87	19.5911	-99999	-99999	-99999	1113.35	-99999
461	76.8885	12.9625	19.6445	-99999	-99999	-99999	1108.05	-99999
461.1	78.1859	12.8532	19.6166	-99999	-99999	-99999	1099.16	-99999
461.2	77.7343	12.5648	19.3696	-99999	-99999	-99999	1090.57	-99999
461.3	79.8145	12.1408	18.9111	-99999	-99999	-99999	1121.24	-99999
461.4	80.2957	11.6457	18.4069	-99999	-99999	-99999	1109.83	-99999
461.5	82.5724	11.1168	17.8327	-99999	-99999	-99999	1083.64	-99999
461.6	85.2379	10.5663	17.2261	-99999	-99999	-99999	1065.74	-99999

461.7	84.7331	10.0454	16.708	-99999	-99999	-99999	1041.86	-99999
461.8	83.5793	9.57964	16.2637	-99999	-99999	-99999	1046.88	-99999
461.9	82.8122	9.21424	15.8397	-99999	-99999	-99999	1029.68	-99999
462	80.7551	8.95453	15.5626	-99999	-99999	-99999	1042.91	-99999
462.1	83.0564	8.78994	15.4649	-99999	-99999	-99999	1023.6	-99999
462.2	80.9683	8.7076	15.4928	-99999	-99999	-99999	984.644	-99999
462.3	82.9789	8.68045	15.6075	-99999	-99999	-99999	981.868	-99999
462.4	86.3474	8.70155	15.8332	-99999	-99999	-99999	1010.24	-99999
462.5	87.852	8.74349	16.0797	-99999	-99999	-99999	1031.61	-99999
462.6	88.4875	8.80563	16.2938	-99999	-99999	-99999	1063.38	-99999
462.7	89.1101	8.87927	16.4538	-99999	-99999	-99999	1056.68	-99999
462.8	89.7547	8.96707	16.6293	-99999	-99999	-99999	1048.67	-99999
462.9	90.79	9.04791	16.7384	-99999	-99999	-99999	1025.24	-99999
463	85.6768	9.12093	16.816	-99999	-99999	-99999	1053.75	-99999
463.1	86.9949	9.19997	16.852	-99999	-99999	-99999	1070.55	-99999
463.2	86.669	9.28321	16.8677	-99999	-99999	-99999	1079.92	-99999
463.3	80.1359	9.36759	16.8694	-99999	-99999	-99999	1060.54	-99999
463.4	77.4576	9.47517	16.8658	-99999	-99999	-99999	1050.16	-99999
463.5	78.5357	9.58699	16.9067	-99999	-99999	-99999	1048.44	-99999
463.6	77.1149	9.72188	16.9151	-99999	-99999	-99999	1056.45	-99999
463.7	76.744	9.85159	16.9137	-99999	-99999	-99999	1058.27	-99999
463.8	76.9859	9.9978	16.9111	-99999	-99999	-99999	1084.7	-99999
463.9	82.4866	10.1479	16.9151	-99999	-99999	-99999	1075.34	-99999
464	84.216	10.2728	16.9278	-99999	-99999	-99999	1082.34	-99999
464.1	80.4713	10.3476	16.8675	-99999	-99999	-99999	1082.84	-99999
464.2	82.5527	10.4023	16.7562	-99999	-99999	-99999	1092.29	-99999
464.3	85.2002	10.427	16.6084	-99999	-99999	-99999	1088.26	-99999
464.4	81.6477	10.4135	16.3927	-99999	-99999	-99999	1084.03	-99999
464.5	82.8399	10.3669	16.1532	-99999	-99999	-99999	1091.76	-99999
464.6	88.2322	10.2989	15.8888	-99999	-99999	-99999	1095.15	-99999
464.7	91.5398	10.2045	15.6113	-99999	-99999	-99999	1083.43	-99999
464.8	86.8674	10.0857	15.3149	-99999	-99999	-99999	1098.55	-99999
464.9	85.9093	9.9533	15.0098	-99999	-99999	-99999	1087.87	-99999
465	87.8885	9.83063	14.7396	-99999	-99999	-99999	1075.59	-99999
465.1	85.7103	9.70906	14.4983	-99999	-99999	-99999	1062.49	-99999
465.2	85.1267	9.59192	14.2811	-99999	-99999	-99999	1051.27	-99999
465.3	85.5011	9.47287	14.1027	-99999	-99999	-99999	1047.01	-99999
465.4	83.2687	9.33994	13.9481	-99999	-99999	-99999	1050.65	-99999
465.5	75.203	9.20615	13.812	-99999	-99999	-99999	1049.96	-99999
465.6	70.6425	9.06485	13.6824	-99999	-99999	-99999	1024.96	-99999
465.7	74.4039	8.92866	13.5518	-99999	-99999	-99999	1022.45	-99999
465.8	74.7785	8.81323	13.4443	-99999	-99999	-99999	1048.18	-99999
465.9	73.1081	8.7169	13.3611	-99999	-99999	-99999	1058.27	-99999
466	73.5839	8.63266	13.3335	-99999	-99999	-99999	1072.57	-99999
466.1	75.5082	8.56175	13.308	-99999	-99999	-99999	1067.13	-99999
466.2	80.8855	8.51305	13.3126	-99999	-99999	-99999	1060.66	-99999
466.3	83.262	8.48544	13.3507	-99999	-99999	-99999	1067.91	-99999

466.4	87.509	8.4765	13.4144	-99999	-99999	-99999	1081.5	-99999
466.5	88.6058	8.49198	13.4653	-99999	-99999	-99999	1089.04	-99999
466.6	82.2269	8.52343	13.5445	-99999	-99999	-99999	1064.31	-99999
466.7	78.6301	8.55255	13.6367	-99999	-99999	-99999	1060.06	-99999
466.8	80.1192	8.56923	13.6942	-99999	-99999	-99999	1073.84	-99999
466.9	78.4542	8.56944	13.6611	-99999	-99999	-99999	1081.63	-99999
467	74.146	8.55987	13.6285	-99999	-99999	-99999	1103.19	-99999
467.1	69.5122	8.55266	13.567	-99999	-99999	-99999	1107.5	-99999
467.2	68.0018	8.55014	13.4677	-99999	-99999	-99999	1099.3	-99999
467.3	66.5618	8.55254	13.3216	-99999	-99999	-99999	1092.23	-99999
467.4	68.6871	8.55757	13.1922	-99999	-99999	-99999	1118.68	-99999
467.5	75.709	8.56603	13.0554	-99999	-99999	-99999	1122.33	-99999
467.6	79.2924	8.58273	12.8802	-99999	-99999	-99999	1104.67	-99999
467.7	79.916	8.61772	12.6698	-99999	-99999	-99999	1102.57	-99999
467.8	81.8093	8.68113	12.4624	-99999	-99999	-99999	1101.24	-99999
467.9	84.4327	8.76109	12.1961	-99999	-99999	-99999	1092.4	-99999
468	83.4935	8.85062	11.87	-99999	-99999	-99999	1061.56	-99999
468.1	80.1426	8.93285	11.5457	-99999	-99999	-99999	1028.24	-99999
468.2	78.9942	9.00143	11.2093	-99999	-99999	-99999	1001.07	-99999
468.3	77.7785	9.05789	10.8282	-99999	-99999	-99999	968.163	-99999
468.4	76.5349	9.11362	10.4205	-99999	-99999	-99999	929.041	-99999
468.5	76.072	9.17381	10.0157	-99999	-99999	-99999	912.834	-99999
468.6	74.5317	9.22754	9.65209	-99999	-99999	-99999	872.748	-99999
468.7	74.474	9.25402	9.29239	-99999	-99999	-99999	839.955	-99999
468.8	75.4487	9.25465	8.96193	-99999	-99999	-99999	812.48	-99999
468.9	79.3657	9.20716	8.66763	-99999	-99999	-99999	799.994	-99999
469	83.1544	9.12347	8.36227	-99999	-99999	-99999	799.198	-99999
469.1	89.657	8.99888	8.06237	-99999	-99999	-99999	785.109	-99999
469.2	90.6155	8.84137	7.75725	-99999	-99999	-99999	756.642	-99999
469.3	89.3645	8.63545	7.45786	-99999	-99999	-99999	776.695	-99999
469.4	91.0281	8.39236	7.15157	-99999	-99999	-99999	756.918	-99999
469.5	95.9103	8.11127	6.83082	-99999	-99999	-99999	743.151	-99999
469.6	96.9541	7.80467	6.51875	-99999	-99999	-99999	750.507	-99999
469.7	94.5933	7.48741	6.2023	-99999	-99999	-99999	757.662	-99999
469.8	93.3594	7.1879	5.89939	-99999	-99999	-99999	740.681	-99999
469.9	94.2693	6.90825	5.62766	-99999	-99999	-99999	732.666	-99999
470	86.8222	6.65569	5.38535	-99999	-99999	-99999	746.964	-99999
470.1	88.483	6.42944	5.1876	-99999	-99999	-99999	747.971	-99999
470.2	90.598	6.24125	5.02304	-99999	-99999	-99999	725.085	-99999
470.3	92.2555	6.08442	4.89161	-99999	-99999	-99999	717.814	-99999
470.4	85.4174	5.96783	4.794	-99999	-99999	-99999	719.297	-99999
470.5	83.6618	5.8895	4.72677	-99999	-99999	-99999	690.969	-99999
470.6	85.5408	5.84098	4.69337	-99999	-99999	-99999	674.966	-99999
470.7	90.8438	5.81109	4.68742	-99999	-99999	-99999	689.315	-99999
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470.9	88.5596	5.79249	4.72678	-99999	-99999	-99999	698.332	-99999
471	86.6713	5.798	4.7616	-99999	-99999	-99999	707.095	-99999

471.1	84.7561	5.81265	4.8137	-99999	-99999	-99999	736.089	-99999
471.2	84.3648	5.83686	4.88172	-99999	-99999	-99999	759.776	-99999
471.3	86.1986	5.86793	4.9633	-99999	-99999	-99999	780.054	-99999
471.4	89.3573	5.90518	5.05568	-99999	-99999	-99999	800.757	-99999
471.5	86.9335	5.9419	5.15018	-99999	-99999	-99999	820.682	-99999
471.6	83.5568	5.9792	5.25184	-99999	-99999	-99999	837.734	-99999
471.7	84.7504	6.02732	5.36572	-99999	-99999	-99999	836.052	-99999
471.8	90.142	6.08386	5.48648	-99999	-99999	-99999	845.312	-99999
471.9	94.2747	6.14166	5.61557	-99999	-99999	-99999	853.579	-99999
472	98.117	6.20733	5.74889	-99999	-99999	-99999	861.624	-99999
472.1	96.2864	6.27383	5.89626	-99999	-99999	-99999	877.533	-99999
472.2	97.4852	6.3439	6.05254	-99999	-99999	-99999	882.581	-99999
472.3	96.2725	6.42121	6.22251	-99999	-99999	-99999	900.065	-99999
472.4	96.5019	6.50727	6.4076	-99999	-99999	-99999	919.828	-99999
472.5	95.3002	6.59679	6.60062	-99999	-99999	-99999	933.245	-99999
472.6	93.6995	6.68605	6.80361	-99999	-99999	-99999	939.077	-99999
472.7	90.8811	6.77759	7.01908	-99999	-99999	-99999	941.818	-99999
472.8	87.5243	6.86604	7.24334	-99999	-99999	-99999	951.132	-99999
472.9	84.2003	6.94505	7.45901	-99999	-99999	-99999	952.888	-99999
473	87.4557	7.02996	7.64922	-99999	-99999	-99999	958.824	-99999
473.1	89.4601	7.1225	7.83922	-99999	-99999	-99999	980.321	-99999
473.2	88.2217	7.22048	8.00339	-99999	-99999	-99999	988.57	-99999
473.3	89.8743	7.32563	8.14779	-99999	-99999	-99999	981.51	-99999
473.4	90.9285	7.43853	8.2739	-99999	-99999	-99999	995.872	-99999
473.5	94.4511	7.55118	8.37932	-99999	-99999	-99999	1003.17	-99999
473.6	98.1041	7.66444	8.45934	-99999	-99999	-99999	998.094	-99999
473.7	99.5352	7.78502	8.53725	-99999	-99999	-99999	996.714	-99999
473.8	101.969	7.90825	8.62159	-99999	-99999	-99999	991.827	-99999
473.9	98.7899	8.02538	8.70737	-99999	-99999	-99999	975.083	-99999
474	98.3066	8.14317	8.79624	-99999	-99999	-99999	960.623	-99999
474.1	102.831	8.25715	8.89417	-99999	-99999	-99999	947.27	-99999
474.2	102.945	8.36404	8.98205	-99999	-99999	-99999	937.86	-99999
474.3	102.088	8.4541	9.06061	-99999	-99999	-99999	910.508	-99999
474.4	99.5929	8.52181	9.15518	-99999	-99999	-99999	915.245	-99999
474.5	96.5339	8.56592	9.24518	-99999	-99999	-99999	928.829	-99999
474.6	95.0504	8.57718	9.30353	-99999	-99999	-99999	933.558	-99999
474.7	93.7347	8.56015	9.35841	-99999	-99999	-99999	932.853	-99999
474.8	97.1799	8.5284	9.4135	-99999	-99999	-99999	964.014	-99999
474.9	96.8783	8.492	9.43225	-99999	-99999	-99999	960.729	-99999
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475.1	90.9118	8.40958	9.43918	-99999	-99999	-99999	1001.08	-99999
475.2	90.935	8.35633	9.45947	-99999	-99999	-99999	1049.66	-99999
475.3	92.4644	8.30816	9.44452	-99999	-99999	-99999	1080.01	-99999
475.4	96.5038	8.27189	9.43662	-99999	-99999	-99999	1079.41	-99999
475.5	97.628	8.26855	9.41843	-99999	-99999	-99999	1080.82	-99999
475.6	96.7994	8.31348	9.41104	-99999	-99999	-99999	1081.87	-99999
475.7	91.6601	8.39899	9.42083	-99999	-99999	-99999	1071.96	-99999

475.8	89.4117	8.50788	9.46969	-99999	-99999	-99999	1078.24	-99999
475.9	93.3411	8.60676	9.55405	-99999	-99999	-99999	1071.92	-99999
476	96.1853	8.70682	9.6372	-99999	-99999	-99999	1058.61	-99999
476.1	99.1924	8.82472	9.71302	-99999	-99999	-99999	1032.35	-99999
476.2	95.0169	8.95705	9.77415	-99999	-99999	-99999	1010.37	-99999
476.3	88.8296	9.10218	9.83761	-99999	-99999	-99999	986.931	-99999
476.4	85.9664	9.22883	9.89885	-99999	-99999	-99999	963.86	-99999
476.5	87.3142	9.29902	9.94442	-99999	-99999	-99999	942.636	-99999
476.6	89.4331	9.29878	9.95281	-99999	-99999	-99999	913.417	-99999
476.7	92.2453	9.23476	9.93909	-99999	-99999	-99999	908.202	-99999
476.8	88.7293	9.14683	9.89052	-99999	-99999	-99999	913.448	-99999
476.9	85.0825	9.04974	9.83669	-99999	-99999	-99999	907.128	-99999
477	82.2114	8.92534	9.77811	-99999	-99999	-99999	882.851	-99999
477.1	86.9905	8.78303	9.73275	-99999	-99999	-99999	888.957	-99999
477.2	90.5713	8.60114	9.68587	-99999	-99999	-99999	898.886	-99999
477.3	90.7763	8.39834	9.62751	-99999	-99999	-99999	926.278	-99999
477.4	88.5281	8.21018	9.55174	-99999	-99999	-99999	943.043	-99999
477.5	86.72	8.0594	9.47282	-99999	-99999	-99999	956.889	-99999
477.6	87.6272	7.95591	9.40016	-99999	-99999	-99999	947.111	-99999
477.7	88.6276	7.89623	9.34406	-99999	-99999	-99999	936.145	-99999
477.8	87.692	7.86288	9.31461	-99999	-99999	-99999	930.562	-99999
477.9	90.9503	7.85943	9.32236	-99999	-99999	-99999	929.607	-99999
478	89.638	7.88038	9.38759	-99999	-99999	-99999	929.158	-99999
478.1	91.539	7.96493	9.5064	-99999	-99999	-99999	941.458	-99999
478.2	93.4825	8.10738	9.71002	-99999	-99999	-99999	918.221	-99999
478.3	91.1513	8.30984	9.9974	-99999	-99999	-99999	907.743	-99999
478.4	91.0883	8.54306	10.3451	-99999	-99999	-99999	906.658	-99999
478.5	87.9418	8.78629	10.746	-99999	-99999	-99999	903.838	-99999
478.6	86.4433	9.03116	11.1489	-99999	-99999	-99999	896.458	-99999
478.7	84.5818	9.25651	11.5215	-99999	-99999	-99999	903.778	-99999
478.8	81.5288	9.44002	11.8492	-99999	-99999	-99999	906.206	-99999
478.9	80.092	9.58146	12.1041	-99999	-99999	-99999	909.398	-99999
479	77.2953	9.66885	12.2855	-99999	-99999	-99999	930.457	-99999
479.1	74.8885	9.69858	12.3793	-99999	-99999	-99999	956.75	-99999
479.2	75.3129	9.66876	12.4115	-99999	-99999	-99999	962.494	-99999
479.3	77.1085	9.5946	12.3934	-99999	-99999	-99999	970.552	-99999
479.4	75.5143	9.50458	12.3736	-99999	-99999	-99999	996.336	-99999
479.5	77.4305	9.43777	12.3926	-99999	-99999	-99999	1012.55	-99999
479.6	78.4882	9.42523	12.4739	-99999	-99999	-99999	1018.49	-99999
479.7	79.8125	9.46988	12.6603	-99999	-99999	-99999	1021	-99999
479.8	80.2782	9.57389	13.0009	-99999	-99999	-99999	1002.08	-99999
479.9	78.6664	9.72834	13.431	-99999	-99999	-99999	987.755	-99999
480	75.1837	9.91387	13.9155	-99999	-99999	-99999	978.934	-99999
480.1	72.5391	10.1115	14.4176	-99999	-99999	-99999	976.554	-99999
480.2	72.495	10.3009	14.8987	-99999	-99999	-99999	958.871	-99999
480.3	73.234	10.4569	15.2996	-99999	-99999	-99999	935.361	-99999
480.4	73.6064	10.5416	15.624	-99999	-99999	-99999	919.624	-99999

480.5	73.7805	10.5388	15.846	-99999	-99999	-99999	889.042	-99999
480.6	71.4353	10.4632	15.8794	-99999	-99999	-99999	862.509	-99999
480.7	68.5936	10.3277	15.7092	-99999	-99999	-99999	855.377	-99999
480.8	69.1485	10.1714	15.4686	-99999	-99999	-99999	837.716	-99999
480.9	74.5378	10.0114	15.1947	-99999	-99999	-99999	844.167	-99999
481	79.0652	9.848	14.9106	-99999	-99999	-99999	854.197	-99999
481.1	80.3388	9.6986	14.6921	-99999	-99999	-99999	866.965	-99999
481.2	80.3097	9.57809	14.4809	-99999	-99999	-99999	886.16	-99999
481.3	78.8238	9.50543	14.2999	-99999	-99999	-99999	881.632	-99999
481.4	75.9297	9.50311	14.1256	-99999	-99999	-99999	921.192	-99999
481.5	74.7504	9.58361	14.0831	-99999	-99999	-99999	970.291	-99999
481.6	77.1948	9.71892	14.1256	-99999	-99999	-99999	1002.96	-99999
481.7	78.9427	9.8538	14.1836	-99999	-99999	-99999	1026.57	-99999
481.8	78.6279	9.97858	14.2031	-99999	-99999	-99999	1043.85	-99999
481.9	76.551	10.1108	14.2417	-99999	-99999	-99999	1068.61	-99999
482	76.8901	10.2534	14.2521	-99999	-99999	-99999	1083.3	-99999
482.1	76.7665	10.4072	14.3381	-99999	-99999	-99999	1105.06	-99999
482.2	75.9907	10.5565	14.4418	-99999	-99999	-99999	1157.03	-99999
482.3	78.5024	10.692	14.6051	-99999	-99999	-99999	1160.78	-99999
482.4	80.3721	10.7809	14.7366	-99999	-99999	-99999	1181.24	-99999
482.5	79.6702	10.8172	14.8254	-99999	-99999	-99999	1188.45	-99999
482.6	79.1835	10.8263	14.9232	-99999	-99999	-99999	1214.45	-99999
482.7	80.8178	10.8235	15.0159	-99999	-99999	-99999	1243.06	-99999
482.8	83.2994	10.7969	15.0773	-99999	-99999	-99999	1246.98	-99999
482.9	81.8617	10.7228	15.0701	-99999	-99999	-99999	1263.74	-99999
483	80.9017	10.5912	14.9676	-99999	-99999	-99999	1252.37	-99999
483.1	78.5723	10.4137	14.8679	-99999	-99999	-99999	1252.95	-99999
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483.3	80.3184	9.94522	14.4925	-99999	-99999	-99999	1278.94	-99999
483.4	82.9534	9.69341	14.2603	-99999	-99999	-99999	1300.7	-99999
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483.7	78.2723	8.93236	13.4086	-99999	-99999	-99999	1317.43	-99999
483.8	77.2135	8.71152	13.0913	-99999	-99999	-99999	1335.14	-99999
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484.1	81.3097	8.26777	12.1071	-99999	-99999	-99999	1404.46	-99999
484.2	77.227	8.22216	11.9333	-99999	-99999	-99999	1392.66	-99999
484.3	71.5515	8.21645	11.8311	-99999	-99999	-99999	1386.1	-99999
484.4	70.7753	8.25203	11.8075	-99999	-99999	-99999	1371.13	-99999
484.5	72.1072	8.33321	11.875	-99999	-99999	-99999	1377.76	-99999
484.6	73.1867	8.46456	12.0485	-99999	-99999	-99999	1358.98	-99999
484.7	74.6062	8.6359	12.3538	-99999	-99999	-99999	1356.84	-99999
484.8	75.2091	8.82072	12.7797	-99999	-99999	-99999	1348.55	-99999
484.9	78.827	8.98158	13.2151	-99999	-99999	-99999	1338.07	-99999
485	83.4973	9.08646	13.6077	-99999	-99999	-99999	1303.91	-99999
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485.2	89.6822	9.18018	14.1852	-99999	-99999	-99999	1247.68	-99999
485.3	91.2869	9.18535	14.3181	-99999	-99999	-99999	1229.55	-99999
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485.9	80.1421	8.69442	13.8204	-99999	-99999	-99999	1164.1	-99999
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487.9	72.4763	13.3184	20.4149	-99999	-99999	-99999	1045.9	-99999
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488.1	72.9809	13.7821	20.4658	-99999	-99999	-99999	1014.92	-99999
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488.3	74.1495	13.9049	20.2807	-99999	-99999	-99999	979.31	-99999
488.4	76.2031	13.7346	20.0621	-99999	-99999	-99999	948.792	-99999
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489.7	69.1485	10.8509	16.7328	-99999	-99999	-99999	902.928	-99999
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489.9	74.4885	10.7781	17.0428	-99999	-99999	-99999	837.962	-99999
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490.1	72.1771	10.587	16.9948	-99999	-99999	-99999	823.545	-99999
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490.3	76.0463	10.2154	16.6364	-99999	-99999	-99999	789.094	-99999
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491.1	75.5657	9.18879	14.8823	-99999	-99999	-99999	785.522	-99999
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492.4	78.6764	11.8281	18.1403	-99999	-99999	-99999	809.895	-99999
492.5	79.9099	11.9272	18.2097	-99999	-99999	-99999	794.256	-99999
492.6	80.9612	11.9675	18.1347	-99999	-99999	-99999	797.448	-99999
492.7	88.3025	11.9565	17.9845	-99999	-99999	-99999	801.748	-99999
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496.7	61.8225	15.2332	23.3263	-99999	-99999	-99999	199.202	-99999
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497.1	63.6431	12.6578	27.3741	-99999	-99999	-99999	188.635	-99999
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498.1	64.8696	10.6512	14.5547	-99999	-99999	-99999	244.392	-99999
498.2	64.3834	10.7118	14.1699	-99999	-99999	-99999	240.051	-99999
498.3	58.7898	10.8272	14.1647	-99999	-99999	-99999	236.267	-99999
498.4	55.501	11.0188	14.2478	-99999	-99999	-99999	226.119	-99999
498.5	57.008	11.1376	14.3374	-99999	-99999	-99999	200.801	-99999
498.6	61.3392	11.2035	14.3526	-99999	-99999	-99999	183.414	-99999
498.7	64.339	11.2688	14.339	-99999	-99999	-99999	174.604	-99999
498.8	67.6572	11.3864	14.359	-99999	-99999	-99999	172.801	-99999
498.9	64.241	11.5737	14.3713	-99999	-99999	-99999	168.473	-99999
499	70.7168	11.7876	14.435	-99999	-99999	-99999	175.321	-99999
499.1	73.5388	11.9397	14.5239	-99999	-99999	-99999	178.609	-99999
499.2	73.9412	11.9826	14.5593	-99999	-99999	-99999	183.544	-99999

499.3	76.0658	11.9017	14.6338	-99999	-99999	-99999	184.404	-99999
499.4	75.3244	11.8551	14.7741	-99999	-99999	-99999	184.623	-99999
499.5	71.9819	11.883	14.9243	-99999	-99999	-99999	187.167	-99999
499.6	74.7088	11.9718	15.0812	-99999	-99999	-99999	186.17	-99999
499.7	75.4782	12.098	15.2101	-99999	-99999	-99999	184.497	-99999
499.8	75.295	12.2207	15.3666	-99999	-99999	-99999	181.86	-99999
499.9	73.8551	12.2915	15.5122	-99999	-99999	-99999	172.487	-99999
500	73.8636	12.2974	15.6003	-99999	-99999	-99999	168.37	-99999
500.1	76.6833	12.2807	15.6553	-99999	-99999	-99999	165.445	-99999
500.2	76.3343	12.2893	15.6498	-99999	-99999	-99999	160.874	-99999
500.3	78.2511	12.3309	15.6276	-99999	-99999	-99999	159.138	-99999
500.4	77.2918	12.395	15.5938	-99999	-99999	-99999	156.308	-99999
500.5	75.7825	12.4527	15.5434	-99999	-99999	-99999	151.232	-99999
500.6	74.0074	12.4507	15.4798	-99999	-99999	-99999	142.959	-99999
500.7	74.4246	12.4033	15.3735	-99999	-99999	-99999	146.349	-99999
500.8	76.8985	12.379	15.2479	-99999	-99999	-99999	156.432	-99999
500.9	77.3256	12.4343	15.1616	-99999	-99999	-99999	152.849	-99999
501	74.9636	12.5696	15.1251	-99999	-99999	-99999	152.455	-99999
501.1	71.4904	12.7488	15.0925	-99999	-99999	-99999	160.214	-99999
501.2	69.9365	12.9556	15.1122	-99999	-99999	-99999	165.499	-99999
501.3	68.9936	13.1439	15.154	-99999	-99999	-99999	166.394	-99999
501.4	66.476	13.2874	15.2244	-99999	-99999	-99999	167.992	-99999
501.5	67.16	13.3971	15.2949	-99999	-99999	-99999	170.725	-99999
501.6	66.3758	13.471	15.4186	-99999	-99999	-99999	167.519	-99999
501.7	62.828	13.5182	15.4895	-99999	-99999	-99999	162.227	-99999
501.8	61.1983	13.5178	15.5462	-99999	-99999	-99999	159.487	-99999
501.9	63.8679	13.4271	15.5331	-99999	-99999	-99999	157.398	-99999
502	67.7215	13.2595	15.5302	-99999	-99999	-99999	150.209	-99999
502.1	70.2096	13.0318	15.449	-99999	-99999	-99999	147.221	-99999
502.2	72.3127	12.7798	15.3236	-99999	-99999	-99999	147.011	-99999
502.3	74.1334	12.5445	15.1894	-99999	-99999	-99999	143.511	-99999
502.4	73.2603	12.3537	15.0632	-99999	-99999	-99999	141.238	-99999
502.5	71.5123	12.2242	14.8945	-99999	-99999	-99999	130.192	-99999
502.6	72.7209	12.1363	14.7833	-99999	-99999	-99999	124.914	-99999
502.7	75.4561	12.0535	14.673	-99999	-99999	-99999	135.131	-99999
502.8	78.5393	11.9852	14.5843	-99999	-99999	-99999	129.086	-99999
502.9	78.4915	11.9521	14.503	-99999	-99999	-99999	133.879	-99999
503	76.6281	11.9278	14.4772	-99999	-99999	-99999	125.295	-99999
503.1	77.5241	11.8839	14.4496	-99999	-99999	-99999	129.17	-99999
503.2	80.4158	11.8197	14.3982	-99999	-99999	-99999	131.573	-99999
503.3	83.3213	11.7338	14.3663	-99999	-99999	-99999	134.652	-99999
503.4	84.133	11.6219	14.3519	-99999	-99999	-99999	139.422	-99999
503.5	86.0719	11.4894	14.3133	-99999	-99999	-99999	142.73	-99999
503.6	87.0575	11.3686	14.2499	-99999	-99999	-99999	130.764	-99999
503.7	82.9747	11.2628	14.1888	-99999	-99999	-99999	135.965	-99999
503.8	81.1277	11.1604	14.1111	-99999	-99999	-99999	137.555	-99999
503.9	82.1729	11.0821	14.037	-99999	-99999	-99999	134.504	-99999

504	86.1208	11.0328	13.9956	-99999	-99999	-99999	135.407	-99999
504.1	85.9404	11.0225	13.9789	-99999	-99999	-99999	137.502	-99999
504.2	88.0334	11.0474	13.9512	-99999	-99999	-99999	134.121	-99999
504.3	91.9409	11.1211	13.9412	-99999	-99999	-99999	131.896	-99999
504.4	90.3762	11.2125	13.9338	-99999	-99999	-99999	130.415	-99999
504.5	87.0197	11.3024	13.9506	-99999	-99999	-99999	134.007	-99999
504.6	92.029	11.3877	13.9777	-99999	-99999	-99999	132.786	-99999
504.7	98.4256	11.4358	13.9954	-99999	-99999	-99999	124.401	-99999
504.8	98.9074	11.4475	13.9851	-99999	-99999	-99999	133.762	-99999
504.9	93.5064	11.4213	13.945	-99999	-99999	-99999	126.469	-99999
505	92.2447	11.3552	13.8955	-99999	-99999	-99999	135.561	-99999
505.1	92.5238	11.2607	13.8332	-99999	-99999	-99999	140.605	-99999
505.2	91.1285	11.1373	13.7116	-99999	-99999	-99999	144.386	-99999
505.3	86.3229	11.0022	13.5821	-99999	-99999	-99999	142.961	-99999
505.4	87.6874	10.8688	13.4525	-99999	-99999	-99999	145.222	-99999
505.5	82.7451	10.7555	13.3184	-99999	-99999	-99999	145.7	-99999
505.6	78.2584	10.6794	13.1947	-99999	-99999	-99999	155.509	-99999
505.7	81.1704	10.6223	13.105	-99999	-99999	-99999	158.93	-99999
505.8	80.7613	10.5955	13.0449	-99999	-99999	-99999	161.986	-99999
505.9	78.6704	10.5947	12.9801	-99999	-99999	-99999	151.055	-99999
506	79.8366	10.6208	12.9506	-99999	-99999	-99999	146.875	-99999
506.1	80.2068	10.6634	12.9751	-99999	-99999	-99999	144.576	-99999
506.2	83.6258	10.7159	13.0067	-99999	-99999	-99999	147.452	-99999
506.3	86.0046	10.774	13.0302	-99999	-99999	-99999	144.041	-99999
506.4	87.2327	10.8212	13.0517	-99999	-99999	-99999	144.732	-99999
506.5	85.1423	10.8441	13.0749	-99999	-99999	-99999	140.908	-99999
506.6	83.0213	10.8539	13.0791	-99999	-99999	-99999	137.861	-99999
506.7	84.5814	10.8498	13.048	-99999	-99999	-99999	135.866	-99999
506.8	89.4602	10.8221	12.998	-99999	-99999	-99999	137.181	-99999
506.9	87.2415	10.7717	12.9052	-99999	-99999	-99999	145.627	-99999
507	85.7228	10.6784	12.7914	-99999	-99999	-99999	149.832	-99999
507.1	85.9399	10.5529	12.668	-99999	-99999	-99999	149.541	-99999
507.2	81.692	10.407	12.523	-99999	-99999	-99999	153.636	-99999
507.3	82.3269	10.2629	12.364	-99999	-99999	-99999	158.038	-99999
507.4	87.8659	10.1531	12.163	-99999	-99999	-99999	158.958	-99999
507.5	90.9112	10.0698	11.9508	-99999	-99999	-99999	164.592	-99999
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507.7	89.8727	9.99179	11.4978	-99999	-99999	-99999	178.378	-99999
507.8	92.9811	9.99184	11.2575	-99999	-99999	-99999	187.423	-99999
507.9	97.3558	10.0271	10.9958	-99999	-99999	-99999	195.461	-99999
508	97.5105	10.0997	10.7171	-99999	-99999	-99999	200.014	-99999
508.1	100.345	10.2272	10.4324	-99999	-99999	-99999	201.27	-99999
508.2	102.064	10.4127	10.1533	-99999	-99999	-99999	203.93	-99999
508.3	99.6614	10.6344	9.88422	-99999	-99999	-99999	200.663	-99999
508.4	97.4514	10.8658	9.60527	-99999	-99999	-99999	193.277	-99999
508.5	96.7694	11.0886	9.34975	-99999	-99999	-99999	194.777	-99999
508.6	93.0566	11.2881	9.10402	-99999	-99999	-99999	189.497	-99999

508.7	90.373	11.4557	8.8645	-99999	-99999	-99999	180.352	-99999
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508.9	92.5394	11.6527	8.42702	-99999	-99999	-99999	174.539	-99999
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509.1	94.9418	11.499	8.02399	-99999	-99999	-99999	158.134	-99999
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509.5	100.634	10.0824	7.26174	-99999	-99999	-99999	136.24	-99999
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510	100.456	7.65416	6.22317	-99999	-99999	-99999	102.797	-99999
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510.7	102.674	6.8621	5.91856	-99999	-99999	-99999	127.613	-99999
510.8	101.904	7.01346	6.08245	-99999	-99999	-99999	128.801	-99999
510.9	101.818	7.20652	6.29322	-99999	-99999	-99999	130.209	-99999
511	98.6981	7.41725	6.54172	-99999	-99999	-99999	134.507	-99999
511.1	99.6853	7.63192	6.82209	-99999	-99999	-99999	134.436	-99999
511.2	102.5	7.83732	7.12068	-99999	-99999	-99999	134.613	-99999
511.3	102.118	8.02064	7.42762	-99999	-99999	-99999	142.99	-99999
511.4	101.45	8.18686	7.74881	-99999	-99999	-99999	141.792	-99999
511.5	97.9395	8.34099	8.05837	-99999	-99999	-99999	143.718	-99999
511.6	99.2594	8.46939	8.35316	-99999	-99999	-99999	147.706	-99999
511.7	96.3386	8.5744	8.62905	-99999	-99999	-99999	145.595	-99999
511.8	94.5953	8.6485	8.86142	-99999	-99999	-99999	147.404	-99999
511.9	95.4752	8.69127	9.07995	-99999	-99999	-99999	148.129	-99999
512	94.2152	8.71758	9.27851	-99999	-99999	-99999	143.223	-99999
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512.4	79.7784	9.07383	10.1264	-99999	-99999	-99999	127.815	-99999
512.5	78.3387	9.25613	10.38	-99999	-99999	-99999	138.236	-99999
512.6	78.9147	9.46471	10.6493	-99999	-99999	-99999	150.185	-99999
512.7	80.2133	9.7077	10.9506	-99999	-99999	-99999	153.309	-99999
512.8	83.0738	9.96367	11.2437	-99999	-99999	-99999	150.752	-99999
512.9	83.1503	10.2354	11.5279	-99999	-99999	-99999	154.71	-99999
513	85.6113	10.5109	11.7977	-99999	-99999	-99999	152.079	-99999
513.1	88.053	10.7539	12.0328	-99999	-99999	-99999	154.333	-99999
513.2	86.7029	10.9645	12.2262	-99999	-99999	-99999	158.96	-99999
513.3	89.1057	11.0944	12.3729	-99999	-99999	-99999	164.363	-99999

513.4	87.4277	11.1355	12.4669	-99999	-99999	-99999	156.036	-99999
513.5	87.1965	11.075	12.5032	-99999	-99999	-99999	144.17	-99999
513.6	87.5571	10.9277	12.4739	-99999	-99999	-99999	136.044	-99999
513.7	84.116	10.7341	12.393	-99999	-99999	-99999	142.258	-99999
513.8	84.4048	10.5123	12.2434	-99999	-99999	-99999	151.444	-99999
513.9	83.5219	10.2868	12.0379	-99999	-99999	-99999	165.818	-99999
514	78.9165	10.0809	11.8098	-99999	-99999	-99999	178.034	-99999
514.1	77.8375	9.88664	11.5855	-99999	-99999	-99999	180.399	-99999
514.2	76.2749	9.73558	11.4088	-99999	-99999	-99999	180.674	-99999
514.3	77.962	9.64355	11.271	-99999	-99999	-99999	186.543	-99999
514.4	76.8449	9.63091	11.2012	-99999	-99999	-99999	190.852	-99999
514.5	72.7454	9.70573	11.2239	-99999	-99999	-99999	197.36	-99999
514.6	68.2035	9.84801	11.351	-99999	-99999	-99999	202.094	-99999
514.7	64.3518	10.0284	11.6083	-99999	-99999	-99999	200.079	-99999
514.8	64.4297	10.2205	11.9114	-99999	-99999	-99999	194.843	-99999
514.9	67.8481	10.3904	12.2658	-99999	-99999	-99999	194.694	-99999
515	69.2227	10.5414	12.6051	-99999	-99999	-99999	200.037	-99999
515.1	67.202	10.6859	12.8807	-99999	-99999	-99999	195.976	-99999
515.2	65.0508	10.8212	13.1374	-99999	-99999	-99999	194.926	-99999
515.3	64.5869	10.9196	13.354	-99999	-99999	-99999	207.028	-99999
515.4	62.8403	10.9524	13.5253	-99999	-99999	-99999	208.265	-99999
515.5	62.1007	10.9204	13.6164	-99999	-99999	-99999	205.411	-99999
515.6	62.8937	10.8437	13.6684	-99999	-99999	-99999	211.163	-99999
515.7	59.949	10.7429	13.7174	-99999	-99999	-99999	211.283	-99999
515.8	57.0265	10.6512	13.742	-99999	-99999	-99999	207.4	-99999
515.9	55.5741	10.592	13.7815	-99999	-99999	-99999	200.241	-99999
516	54.5574	10.5464	13.8594	-99999	-99999	-99999	206.684	-99999
516.1	54.482	10.4866	13.9096	-99999	-99999	-99999	206.396	-99999
516.2	55.3477	10.4418	13.9909	-99999	-99999	-99999	202.265	-99999
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516.4	63.557	10.564	14.1658	-99999	-99999	-99999	225.987	-99999
516.5	66.1553	10.746	14.2436	-99999	-99999	-99999	220.93	-99999
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516.7	66.3582	11.2685	14.6347	-99999	-99999	-99999	209.582	-99999
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516.9	66.3383	11.8574	15.1064	-99999	-99999	-99999	217.477	-99999
517	65.261	12.1352	15.3951	-99999	-99999	-99999	218.089	-99999
517.1	64.9983	12.4038	15.5698	-99999	-99999	-99999	214.357	-99999
517.2	65.8689	12.6577	15.796	-99999	-99999	-99999	193.342	-99999
517.3	63.4573	12.8184	15.9764	-99999	-99999	-99999	175.684	-99999
517.4	63.5712	12.8519	16.0437	-99999	-99999	-99999	169.773	-99999
517.5	63.8111	12.7799	16.0104	-99999	-99999	-99999	177.526	-99999
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517.7	70.9947	12.3921	15.7224	-99999	-99999	-99999	154.197	-99999
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517.9	75.0314	11.9182	15.3531	-99999	-99999	-99999	156.354	-99999
518	77.4127	11.6658	15.1874	-99999	-99999	-99999	155.145	-99999

518.1	79.1781	11.3831	14.964	-99999	-99999	-99999	159.543	-99999
518.2	84.863	11.1347	14.8149	-99999	-99999	-99999	155.493	-99999
518.3	88.8201	10.9299	14.7107	-99999	-99999	-99999	159.49	-99999
518.4	91.4631	10.7715	14.6478	-99999	-99999	-99999	152.546	-99999
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518.6	90.9322	10.5754	14.4938	-99999	-99999	-99999	155.491	-99999
518.7	92.1264	10.5097	14.4242	-99999	-99999	-99999	154.856	-99999
518.8	92.0006	10.4677	14.3893	-99999	-99999	-99999	160.452	-99999
518.9	91.4569	10.4716	14.3557	-99999	-99999	-99999	155.71	-99999
519	91.2093	10.494	14.3424	-99999	-99999	-99999	162.27	-99999
519.1	85.1768	10.5563	14.3281	-99999	-99999	-99999	173.648	-99999
519.2	80.5448	10.6312	14.3286	-99999	-99999	-99999	180.556	-99999
519.3	78.6762	10.7082	14.3418	-99999	-99999	-99999	174.233	-99999
519.4	77.5439	10.7775	14.4173	-99999	-99999	-99999	167.094	-99999
519.5	83.3818	10.8268	14.4593	-99999	-99999	-99999	160.871	-99999
519.6	78.4173	10.8574	14.4645	-99999	-99999	-99999	162.307	-99999
519.7	76.6631	10.8608	14.4436	-99999	-99999	-99999	161.485	-99999
519.8	77.1016	10.8146	14.4009	-99999	-99999	-99999	173.558	-99999
519.9	74.3386	10.7293	14.3436	-99999	-99999	-99999	164.616	-99999
520	71.8072	10.6	14.228	-99999	-99999	-99999	155.348	-99999
520.1	70.9142	10.4727	14.0814	-99999	-99999	-99999	151.67	-99999
520.2	72.3767	10.3604	13.9058	-99999	-99999	-99999	161.051	-99999
520.3	73.9044	10.2631	13.7352	-99999	-99999	-99999	169.46	-99999
520.4	72.6351	10.1936	13.5993	-99999	-99999	-99999	178.267	-99999
520.5	78.056	10.144	13.512	-99999	-99999	-99999	181.452	-99999
520.6	76.2561	10.1166	13.4523	-99999	-99999	-99999	182.615	-99999
520.7	73.5783	10.0984	13.3872	-99999	-99999	-99999	179.986	-99999
520.8	79.6302	10.0965	13.3386	-99999	-99999	-99999	183.127	-99999
520.9	80.9188	10.1278	13.33	-99999	-99999	-99999	188.171	-99999
521	81.7937	10.1881	13.3245	-99999	-99999	-99999	195.156	-99999
521.1	82.3934	10.276	13.2983	-99999	-99999	-99999	196.399	-99999
521.2	79.1291	10.3609	13.2598	-99999	-99999	-99999	193.846	-99999
521.3	76.3015	10.4409	13.2214	-99999	-99999	-99999	198.489	-99999
521.4	75.6745	10.5377	13.1957	-99999	-99999	-99999	199.92	-99999
521.5	76.7658	10.6535	13.2254	-99999	-99999	-99999	195.825	-99999
521.6	75.2023	10.7961	13.292	-99999	-99999	-99999	197.303	-99999
521.7	71.2661	10.9712	13.4414	-99999	-99999	-99999	199.685	-99999
521.8	71.7615	11.1694	13.6572	-99999	-99999	-99999	193.847	-99999
521.9	71.5408	11.3804	13.939	-99999	-99999	-99999	189.311	-99999
522	71.0596	11.6322	14.2724	-99999	-99999	-99999	188.447	-99999
522.1	73.4904	11.9441	14.5904	-99999	-99999	-99999	183.811	-99999
522.2	70.9776	12.2733	14.8776	-99999	-99999	-99999	175.107	-99999
522.3	70.3839	12.5744	15.1442	-99999	-99999	-99999	176.339	-99999
522.4	72.4933	12.8289	15.4102	-99999	-99999	-99999	182.032	-99999
522.5	73.6746	13.0233	15.6647	-99999	-99999	-99999	187.77	-99999
522.6	73.7752	13.1166	15.8659	-99999	-99999	-99999	190.97	-99999
522.7	76.2462	13.1234	16.0118	-99999	-99999	-99999	188.57	-99999

522.8	78.4471	13.0694	16.0649	-99999	-99999	-99999	178.917	-99999
522.9	76.1713	12.9411	16.0789	-99999	-99999	-99999	182.87	-99999
523	73.8974	12.7261	16.0416	-99999	-99999	-99999	184.626	-99999
523.1	74.8777	12.4158	15.9402	-99999	-99999	-99999	182.91	-99999
523.2	73.308	12.0293	15.7638	-99999	-99999	-99999	172.092	-99999
523.3	70.944	11.5934	15.4669	-99999	-99999	-99999	167.253	-99999
523.4	70.7607	11.1559	15.1211	-99999	-99999	-99999	159.288	-99999
523.5	69.7797	10.759	14.6893	-99999	-99999	-99999	166.254	-99999
523.6	68.3987	10.3939	14.2415	-99999	-99999	-99999	181.355	-99999
523.7	71.3361	10.0441	13.8285	-99999	-99999	-99999	187.716	-99999
523.8	76.0271	9.70775	13.3959	-99999	-99999	-99999	185.208	-99999
523.9	78.3368	9.39651	12.9883	-99999	-99999	-99999	187.036	-99999
524	80.4733	9.14602	12.6575	-99999	-99999	-99999	194.837	-99999
524.1	82.5434	8.97953	12.3364	-99999	-99999	-99999	202.546	-99999
524.2	86.1836	8.90424	12.124	-99999	-99999	-99999	207.146	-99999
524.3	87.2323	8.90496	12.0159	-99999	-99999	-99999	207.574	-99999
524.4	88.926	8.97602	11.9822	-99999	-99999	-99999	203.512	-99999
524.5	89.2021	9.10501	12.044	-99999	-99999	-99999	197.961	-99999
524.6	84.6484	9.27409	12.1835	-99999	-99999	-99999	197.97	-99999
524.7	81.5576	9.47053	12.4003	-99999	-99999	-99999	201.498	-99999
524.8	80.6637	9.70057	12.7235	-99999	-99999	-99999	218.158	-99999
524.9	77.3509	9.94145	13.0542	-99999	-99999	-99999	211.673	-99999
525	74.8308	10.1741	13.4302	-99999	-99999	-99999	205.984	-99999
525.1	72.0938	10.3822	13.7799	-99999	-99999	-99999	210.509	-99999
525.2	70.4066	10.5715	14.0515	-99999	-99999	-99999	228.523	-99999
525.3	70.6247	10.7306	14.2648	-99999	-99999	-99999	229.184	-99999
525.4	69.1681	10.8317	14.3989	-99999	-99999	-99999	227.468	-99999
525.5	70.3912	10.8718	14.465	-99999	-99999	-99999	238.611	-99999
525.6	68.0756	10.8614	14.432	-99999	-99999	-99999	234.795	-99999
525.7	67.2775	10.8201	14.3157	-99999	-99999	-99999	224.719	-99999
525.8	67.6591	10.7617	14.1937	-99999	-99999	-99999	230.676	-99999
525.9	68.1202	10.7102	14.0525	-99999	-99999	-99999	236.074	-99999
526	67.0318	10.6935	13.9476	-99999	-99999	-99999	228.027	-99999
526.1	68.4551	10.684	13.8785	-99999	-99999	-99999	223.618	-99999
526.2	67.0982	10.678	13.8598	-99999	-99999	-99999	236.193	-99999
526.3	65.6632	10.6723	13.8583	-99999	-99999	-99999	243.362	-99999
526.4	64.2986	10.683	13.8874	-99999	-99999	-99999	240.507	-99999
526.5	63.3245	10.7075	13.9654	-99999	-99999	-99999	250.587	-99999
526.6	61.0877	10.7289	14.0703	-99999	-99999	-99999	255.731	-99999
526.7	61.4536	10.7647	14.1686	-99999	-99999	-99999	249.953	-99999
526.8	60.8091	10.7796	14.2527	-99999	-99999	-99999	246.192	-99999
526.9	60.4382	10.7547	14.2972	-99999	-99999	-99999	236.739	-99999
527	58.695	10.7033	14.322	-99999	-99999	-99999	226.045	-99999
527.1	59.9186	10.6402	14.2837	-99999	-99999	-99999	211.438	-99999
527.2	59.081	10.6016	14.2109	-99999	-99999	-99999	206.664	-99999
527.3	58.3941	10.5784	14.1085	-99999	-99999	-99999	200.848	-99999
527.4	62.877	10.5665	13.985	-99999	-99999	-99999	198.522	-99999

527.5	65.2135	10.5615	13.8918	-99999	-99999	-99999	202.781	-99999
527.6	65.2799	10.545	13.8384	-99999	-99999	-99999	202.846	-99999
527.7	66.113	10.5497	13.8442	-99999	-99999	-99999	201.703	-99999
527.8	66.4874	10.6017	13.875	-99999	-99999	-99999	207.529	-99999
527.9	66.2738	10.7059	13.9056	-99999	-99999	-99999	211.339	-99999
528	64.9947	10.8676	13.9913	-99999	-99999	-99999	209.254	-99999
528.1	63.1992	11.0868	14.1326	-99999	-99999	-99999	207.108	-99999
528.2	62.7441	11.3547	14.3131	-99999	-99999	-99999	216.872	-99999
528.3	60.2206	11.6285	14.5255	-99999	-99999	-99999	214.168	-99999
528.4	58.5891	11.8564	14.7165	-99999	-99999	-99999	210.662	-99999
528.5	59.9334	12.061	14.8652	-99999	-99999	-99999	219.489	-99999
528.6	58.2567	12.2736	14.9693	-99999	-99999	-99999	220.055	-99999
528.7	56.4986	12.4708	15.0618	-99999	-99999	-99999	214.81	-99999
528.8	57.5254	12.604	15.1365	-99999	-99999	-99999	206.001	-99999
528.9	60.0149	12.6095	15.1338	-99999	-99999	-99999	205.934	-99999
529	61.9973	12.4756	15.0664	-99999	-99999	-99999	203.362	-99999
529.1	61.6861	12.2375	14.9518	-99999	-99999	-99999	186.168	-99999
529.2	60.7013	11.9464	14.7619	-99999	-99999	-99999	179.473	-99999
529.3	63.253	11.6502	14.5486	-99999	-99999	-99999	173.662	-99999
529.4	65.3857	11.3725	14.3318	-99999	-99999	-99999	169.003	-99999
529.5	67.5861	11.0846	14.1324	-99999	-99999	-99999	171.799	-99999
529.6	70.2697	10.7753	13.9615	-99999	-99999	-99999	171.766	-99999
529.7	68.7844	10.4782	13.7986	-99999	-99999	-99999	176.261	-99999
529.8	67.424	10.2348	13.7162	-99999	-99999	-99999	176.846	-99999
529.9	67.4517	10.0503	13.6715	-99999	-99999	-99999	184.812	-99999
530	68.9778	9.91673	13.6649	-99999	-99999	-99999	191.752	-99999
530.1	69.9814	9.83673	13.7071	-99999	-99999	-99999	186.326	-99999
530.2	67.7495	9.80714	13.7387	-99999	-99999	-99999	177.203	-99999
530.3	65.7868	9.79205	13.7675	-99999	-99999	-99999	174.775	-99999
530.4	65.7421	9.77384	13.7489	-99999	-99999	-99999	174.633	-99999
530.5	66.5109	9.7719	13.6763	-99999	-99999	-99999	173.023	-99999
530.6	64.3524	9.79787	13.6099	-99999	-99999	-99999	166.369	-99999
530.7	64.2907	9.86077	13.5162	-99999	-99999	-99999	164.847	-99999
530.8	66.4938	9.96967	13.4003	-99999	-99999	-99999	157.084	-99999
530.9	67.0857	10.1139	13.3042	-99999	-99999	-99999	164.551	-99999
531	68.5139	10.309	13.2222	-99999	-99999	-99999	176.623	-99999
531.1	70.1138	10.557	13.2159	-99999	-99999	-99999	179.595	-99999
531.2	70.0826	10.8293	13.2448	-99999	-99999	-99999	178.61	-99999
531.3	68.7285	11.1259	13.3274	-99999	-99999	-99999	181.197	-99999
531.4	68.4803	11.4404	13.4261	-99999	-99999	-99999	184.452	-99999
531.5	71.63	11.7588	13.5698	-99999	-99999	-99999	200.196	-99999
531.6	71.8332	12.0388	13.6921	-99999	-99999	-99999	201.255	-99999
531.7	70.7825	12.2564	13.8531	-99999	-99999	-99999	195.393	-99999
531.8	70.4129	12.4019	13.9985	-99999	-99999	-99999	187.705	-99999
531.9	70.2744	12.4524	14.0965	-99999	-99999	-99999	178.132	-99999
532	66.7434	12.402	14.1338	-99999	-99999	-99999	196.368	-99999
532.1	66.3067	12.285	14.1162	-99999	-99999	-99999	193.016	-99999

532.2	65.4674	12.1136	14.0707	-99999	-99999	-99999	189.776	-99999
532.3	66.0547	11.8863	13.9893	-99999	-99999	-99999	187.658	-99999
532.4	62.9242	11.6171	13.8894	-99999	-99999	-99999	181.325	-99999
532.5	63.2978	11.3392	13.7815	-99999	-99999	-99999	178.424	-99999
532.6	61.7404	11.0646	13.6371	-99999	-99999	-99999	183.956	-99999
532.7	59.9814	10.8074	13.4834	-99999	-99999	-99999	190.006	-99999
532.8	61.3244	10.5867	13.3932	-99999	-99999	-99999	200.071	-99999
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533	62.4362	10.2923	13.2344	-99999	-99999	-99999	193.679	-99999
533.1	61.8969	10.2093	13.181	-99999	-99999	-99999	195.029	-99999
533.2	66.8745	10.1583	13.1644	-99999	-99999	-99999	193.283	-99999
533.3	74.604	10.1327	13.1241	-99999	-99999	-99999	183.84	-99999
533.4	72.3639	10.1269	13.1209	-99999	-99999	-99999	180.705	-99999
533.5	77.064	10.1216	13.1409	-99999	-99999	-99999	186.467	-99999
533.6	80.2864	10.1303	13.1634	-99999	-99999	-99999	188.754	-99999
533.7	79.4339	10.1366	13.1645	-99999	-99999	-99999	190.764	-99999
533.8	81.5775	10.1439	13.1794	-99999	-99999	-99999	204.378	-99999
533.9	79.7094	10.1458	13.1867	-99999	-99999	-99999	213.285	-99999
534	80.4238	10.1384	13.1778	-99999	-99999	-99999	223.571	-99999
534.1	73.9968	10.103	13.1696	-99999	-99999	-99999	232.057	-99999
534.2	68.2006	10.0533	13.1774	-99999	-99999	-99999	241.978	-99999
534.3	74.148	10.0029	13.1606	-99999	-99999	-99999	248.187	-99999
534.4	71.0484	9.9494	13.1398	-99999	-99999	-99999	240.62	-99999
534.5	69.7895	9.89841	13.1221	-99999	-99999	-99999	229.61	-99999
534.6	67.3511	9.85917	13.0925	-99999	-99999	-99999	221.666	-99999
534.7	71.3828	9.82277	13.0721	-99999	-99999	-99999	212.021	-99999
534.8	75.5607	9.78301	13.08	-99999	-99999	-99999	212.445	-99999
534.9	73.8361	9.74415	13.0785	-99999	-99999	-99999	206.771	-99999
535	73.812	9.73314	13.0637	-99999	-99999	-99999	199.028	-99999
535.1	75.6299	9.74719	13.0575	-99999	-99999	-99999	194.406	-99999
535.2	71.6961	9.79302	13.082	-99999	-99999	-99999	194.897	-99999
535.3	72.7143	9.8598	13.145	-99999	-99999	-99999	200.476	-99999
535.4	73.6364	9.94749	13.2367	-99999	-99999	-99999	207.332	-99999
535.5	74.0203	10.0536	13.3246	-99999	-99999	-99999	211.993	-99999
535.6	66.9745	10.177	13.4297	-99999	-99999	-99999	214.266	-99999
535.7	65.3146	10.3234	13.5481	-99999	-99999	-99999	212.195	-99999
535.8	67.3311	10.4701	13.6934	-99999	-99999	-99999	210.694	-99999
535.9	68.3928	10.6082	13.8655	-99999	-99999	-99999	212.634	-99999
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536.1	64.5131	10.8046	14.1885	-99999	-99999	-99999	211.477	-99999
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536.3	62.3928	10.9138	14.4057	-99999	-99999	-99999	194.923	-99999
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536.5	64.5632	10.9143	14.6714	-99999	-99999	-99999	185.823	-99999
536.6	63.7874	10.887	14.8025	-99999	-99999	-99999	184.657	-99999
536.7	64.3735	10.852	14.9228	-99999	-99999	-99999	186.325	-99999
536.8	66.0616	10.8081	15.075	-99999	-99999	-99999	186.904	-99999

536.9	67.1059	10.7777	15.243	-99999	-99999	-99999	188.765	-99999
537	65.2535	10.7712	15.4679	-99999	-99999	-99999	184.915	-99999
537.1	61.96	10.7677	15.6745	-99999	-99999	-99999	191.824	-99999
537.2	60.1007	10.7617	15.8802	-99999	-99999	-99999	193.582	-99999
537.3	58.5394	10.7598	16.0908	-99999	-99999	-99999	193.187	-99999
537.4	57.8842	10.7517	16.2466	-99999	-99999	-99999	182.955	-99999
537.5	56.6689	10.73	16.3514	-99999	-99999	-99999	169.869	-99999
537.6	51.9457	10.6994	16.4361	-99999	-99999	-99999	168.484	-99999
537.7	48.366	10.678	16.4506	-99999	-99999	-99999	171.339	-99999
537.8	49.439	10.6459	16.5006	-99999	-99999	-99999	171.875	-99999
537.9	51.8409	10.6139	16.4439	-99999	-99999	-99999	182.347	-99999
538	55.0607	10.5814	16.4164	-99999	-99999	-99999	184.503	-99999
538.1	57.1365	10.5648	16.3928	-99999	-99999	-99999	189.063	-99999
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538.3	57.9639	10.5658	16.3719	-99999	-99999	-99999	212.643	-99999
538.4	58.124	10.5828	16.4273	-99999	-99999	-99999	225.912	-99999
538.5	60.6045	10.5964	16.5081	-99999	-99999	-99999	234.66	-99999
538.6	60.4704	10.5985	16.583	-99999	-99999	-99999	239.959	-99999
538.7	58.7673	10.5912	16.5861	-99999	-99999	-99999	237.636	-99999
538.8	58.9056	10.5714	16.569	-99999	-99999	-99999	227.49	-99999
538.9	57.3835	10.5483	16.5275	-99999	-99999	-99999	221.477	-99999
539	56.5788	10.5083	16.4405	-99999	-99999	-99999	232.982	-99999
539.1	55.5071	10.4298	16.3469	-99999	-99999	-99999	235.621	-99999
539.2	55.7906	10.3368	16.2161	-99999	-99999	-99999	228.97	-99999
539.3	55.2763	10.2319	16.0888	-99999	-99999	-99999	220.073	-99999
539.4	57.2718	10.1475	15.9795	-99999	-99999	-99999	217.788	-99999
539.5	57.5686	10.0974	15.9012	-99999	-99999	-99999	213.477	-99999
539.6	58.6113	10.0971	15.9248	-99999	-99999	-99999	212.945	-99999
539.7	56.66	10.1189	16.0015	-99999	-99999	-99999	208.895	-99999
539.8	54.9596	10.1642	16.1057	-99999	-99999	-99999	208.424	-99999
539.9	57.3014	10.2129	16.2366	-99999	-99999	-99999	204.645	-99999
540	60.0172	10.2778	16.3535	-99999	-99999	-99999	204.07	-99999
540.1	57.9933	10.3475	16.4939	-99999	-99999	-99999	202.852	-99999
540.2	57.7889	10.4139	16.5786	-99999	-99999	-99999	208.488	-99999
540.3	52.2788	10.4774	16.6078	-99999	-99999	-99999	205.559	-99999
540.4	54.9123	10.5031	16.5771	-99999	-99999	-99999	204.514	-99999
540.5	55.8653	10.493	16.478	-99999	-99999	-99999	210.475	-99999
540.6	59.1235	10.4486	16.3509	-99999	-99999	-99999	213	-99999
540.7	60.2684	10.3853	16.2118	-99999	-99999	-99999	208.577	-99999
540.8	55.0641	10.3453	16.0613	-99999	-99999	-99999	201.69	-99999
540.9	53.3213	10.3309	15.9302	-99999	-99999	-99999	196.246	-99999
541	56.1567	10.3646	15.7927	-99999	-99999	-99999	190.73	-99999
541.1	55.1469	10.4228	15.7128	-99999	-99999	-99999	189.612	-99999
541.2	58.4432	10.5035	15.7108	-99999	-99999	-99999	190.675	-99999
541.3	57.2661	10.5951	15.7435	-99999	-99999	-99999	194.7	-99999
541.4	54.1807	10.6751	15.7864	-99999	-99999	-99999	192.013	-99999
541.5	51.3665	10.7488	15.8454	-99999	-99999	-99999	198.366	-99999

541.6	50.9867	10.8269	15.9123	-99999	-99999	-99999	201.121	-99999
541.7	51.923	10.9065	15.9607	-99999	-99999	-99999	198.623	-99999
541.8	52.064	10.9917	15.9556	-99999	-99999	-99999	197.45	-99999
541.9	49.2401	11.0442	15.9464	-99999	-99999	-99999	201.483	-99999
542	51.0344	11.0478	15.9158	-99999	-99999	-99999	202.957	-99999
542.1	51.2753	11.0159	15.8642	-99999	-99999	-99999	201.236	-99999
542.2	50.1783	10.9899	15.8134	-99999	-99999	-99999	201.067	-99999
542.3	50.9	10.9791	15.7769	-99999	-99999	-99999	203.751	-99999
542.4	52.694	10.9984	15.756	-99999	-99999	-99999	206.289	-99999
542.5	55.5327	11.053	15.7775	-99999	-99999	-99999	208.212	-99999
542.6	58.0479	11.1083	15.8342	-99999	-99999	-99999	209.643	-99999
542.7	60.7262	11.121	15.9345	-99999	-99999	-99999	209.051	-99999
542.8	62.5051	11.0864	16.0323	-99999	-99999	-99999	205.387	-99999
542.9	61.7413	11.0646	16.1319	-99999	-99999	-99999	207.317	-99999
543	60.0918	11.0718	16.1881	-99999	-99999	-99999	206.941	-99999
543.1	60.4896	11.0806	16.1874	-99999	-99999	-99999	203.412	-99999
543.2	58.6887	11.0853	16.1834	-99999	-99999	-99999	200.491	-99999
543.3	55.8798	11.0711	16.1759	-99999	-99999	-99999	205.599	-99999
543.4	56.4563	11.0292	16.1735	-99999	-99999	-99999	207.319	-99999
543.5	55.7276	10.9761	16.1257	-99999	-99999	-99999	205.984	-99999
543.6	53.0772	10.9439	16.0833	-99999	-99999	-99999	206.791	-99999
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543.9	45.4888	11.043	16.1814	-99999	-99999	-99999	201.418	-99999
544	47.0329	11.0415	16.2832	-99999	-99999	-99999	203.998	-99999
544.1	49.434	11.0316	16.3853	-99999	-99999	-99999	204.726	-99999
544.2	49.9352	11.0384	16.4612	-99999	-99999	-99999	189.129	-99999
544.3	46.8637	11.0417	16.4547	-99999	-99999	-99999	182.954	-99999
544.4	45.035	11.0408	16.4845	-99999	-99999	-99999	187.468	-99999
544.5	46.184	11.0366	16.5486	-99999	-99999	-99999	200.785	-99999
544.6	51.175	11.0312	16.572	-99999	-99999	-99999	207.492	-99999
544.7	55.5254	10.9842	16.5366	-99999	-99999	-99999	213.457	-99999
544.8	55.5238	10.9335	16.4574	-99999	-99999	-99999	214.906	-99999
544.9	53.3828	10.932	16.4189	-99999	-99999	-99999	217.469	-99999
545	51.7845	10.9489	16.3866	-99999	-99999	-99999	220.363	-99999
545.1	52.2398	10.9729	16.3821	-99999	-99999	-99999	224.465	-99999
545.2	53.9673	10.9811	16.428	-99999	-99999	-99999	228.989	-99999
545.3	52.8799	10.982	16.4272	-99999	-99999	-99999	226.379	-99999
545.4	51.6074	10.988	16.4078	-99999	-99999	-99999	206.537	-99999
545.5	49.1935	10.9956	16.3969	-99999	-99999	-99999	204.963	-99999
545.6	49.5363	11.0128	16.3747	-99999	-99999	-99999	210.068	-99999
545.7	51.4801	11.024	16.3866	-99999	-99999	-99999	215.393	-99999
545.8	52.3564	11.0274	16.3973	-99999	-99999	-99999	212.147	-99999
545.9	51.819	11.0113	16.4006	-99999	-99999	-99999	206.065	-99999
546	50.811	10.9756	16.4075	-99999	-99999	-99999	206.129	-99999
546.1	52.76	10.9628	16.3867	-99999	-99999	-99999	210.27	-99999
546.2	56.1391	10.9508	16.4374	-99999	-99999	-99999	215.275	-99999

546.3	57.0734	10.9421	16.4374	-99999	-99999	-99999	230.138	-99999
546.4	57.9107	10.922	16.4383	-99999	-99999	-99999	221.049	-99999
546.5	56.9858	10.8915	16.4465	-99999	-99999	-99999	212.457	-99999
546.6	53.7864	10.8725	16.4656	-99999	-99999	-99999	211.288	-99999
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546.8	54.1202	10.8153	16.4346	-99999	-99999	-99999	214.531	-99999
546.9	56.0097	10.7736	16.3793	-99999	-99999	-99999	209.434	-99999
547	52.6018	10.708	16.3293	-99999	-99999	-99999	203.281	-99999
547.1	52.6834	10.6395	16.2157	-99999	-99999	-99999	214.351	-99999
547.2	52.3766	10.5508	16.1081	-99999	-99999	-99999	210.77	-99999
547.3	48.9279	10.4668	16.006	-99999	-99999	-99999	216.728	-99999
547.4	47.1757	10.3778	15.8353	-99999	-99999	-99999	211.486	-99999
547.5	50.1468	10.2945	15.6335	-99999	-99999	-99999	215.082	-99999
547.6	49.6664	10.2152	15.4324	-99999	-99999	-99999	209.897	-99999
547.7	51.8405	10.1433	15.2141	-99999	-99999	-99999	207.949	-99999
547.8	49.3491	10.0794	15.0016	-99999	-99999	-99999	213.135	-99999
547.9	49.045	10.0377	14.808	-99999	-99999	-99999	219.357	-99999
548	46.8206	9.9957	14.6536	-99999	-99999	-99999	205.909	-99999
548.1	47.1669	9.97749	14.547	-99999	-99999	-99999	202.065	-99999
548.2	49.0406	9.96268	14.4625	-99999	-99999	-99999	207.852	-99999
548.3	50.5392	9.94569	14.4255	-99999	-99999	-99999	209.092	-99999
548.4	49.5454	9.91671	14.4135	-99999	-99999	-99999	210.945	-99999
548.5	50.0805	9.89043	14.3975	-99999	-99999	-99999	223.31	-99999
548.6	49.8786	9.85734	14.385	-99999	-99999	-99999	224.041	-99999
548.7	50.9926	9.80212	14.3476	-99999	-99999	-99999	220.354	-99999
548.8	52.3554	9.73402	14.2813	-99999	-99999	-99999	211.606	-99999
548.9	-99999	9.6623	14.1944	-99999	-99999	-99999	213.001	-99999
549	-99999	9.58009	14.0871	-99999	-99999	-99999	215.084	-99999
549.1	-99999	9.50055	13.96	-99999	-99999	-99999	208.418	-99999
549.2	-99999	9.43646	13.8284	-99999	-99999	-99999	204.622	-99999
549.3	-99999	9.38495	13.7238	-99999	-99999	-99999	195.922	-99999
549.4	-99999	9.33926	13.6681	-99999	-99999	-99999	183.056	-99999
549.5	-99999	9.31324	13.6333	-99999	-99999	-99999	180.759	-99999
549.6	-99999	9.3108	13.6314	-99999	-99999	-99999	184.238	-99999
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549.8	-99999	9.33115	13.6333	-99999	-99999	-99999	182.254	-99999
549.9	-99999	9.34839	13.6409	-99999	-99999	-99999	179.351	-99999
550	-99999	9.36407	13.6379	-99999	-99999	-99999	173.592	-99999
550.1	-99999	9.36986	13.6123	-99999	-99999	-99999	172.587	-99999
550.2	-99999	9.35775	13.5094	-99999	-99999	-99999	180.718	-99999
550.3	-99999	9.33489	13.3835	-99999	-99999	-99999	188.555	-99999
550.4	-99999	9.30639	13.2532	-99999	-99999	-99999	185.584	-99999
550.5	-99999	9.27919	13.0791	-99999	-99999	-99999	189.406	-99999
550.6	-99999	9.26758	12.9232	-99999	-99999	-99999	193.54	-99999
550.7	-99999	9.27285	12.764	-99999	-99999	-99999	189.844	-99999
550.8	-99999	9.28921	12.6015	-99999	-99999	-99999	192.19	-99999
550.9	-99999	9.31622	12.4658	-99999	-99999	-99999	207.106	-99999

551	-99999	9.35726	12.3443	-99999	-99999	-99999	211.295	-99999
551.1	-99999	9.40883	12.2473	-99999	-99999	-99999	207.983	-99999
551.2	-99999	9.45549	12.1541	-99999	-99999	-99999	206.429	-99999
551.3	-99999	9.47748	12.0681	-99999	-99999	-99999	215.165	-99999
551.4	-99999	9.46365	12.0093	-99999	-99999	-99999	210.272	-99999
551.5	-99999	9.41068	11.9589	-99999	-99999	-99999	210.051	-99999
551.6	-99999	9.31093	11.8586	-99999	-99999	-99999	210.967	-99999
551.7	-99999	9.17035	11.7136	-99999	-99999	-99999	209.151	-99999
551.8	-99999	9.00482	11.5372	-99999	-99999	-99999	197.481	-99999
551.9	-99999	8.82575	11.2923	-99999	-99999	-99999	197.306	-99999
552	-99999	8.64571	11.0625	-99999	-99999	-99999	206.818	-99999
552.1	-99999	8.4668	10.8156	-99999	-99999	-99999	213.349	-99999
552.2	-99999	8.30864	10.5907	-99999	-99999	-99999	207.785	-99999
552.3	-99999	8.18141	10.3988	-99999	-99999	-99999	202.712	-99999
552.4	-99999	8.09292	10.2498	-99999	-99999	-99999	210.137	-99999
552.5	-99999	8.06234	10.1624	-99999	-99999	-99999	211.678	-99999
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552.7	-99999	8.16643	10.0837	-99999	-99999	-99999	234.928	-99999
552.8	-99999	8.27082	10.1059	-99999	-99999	-99999	245.385	-99999
552.9	-99999	8.36868	10.1066	-99999	-99999	-99999	222.936	-99999
553	-99999	8.4547	10.0753	-99999	-99999	-99999	243.474	-99999
553.1	-99999	8.52601	9.97453	-99999	-99999	-99999	243.072	-99999
553.2	-99999	8.59037	9.82471	-99999	-99999	-99999	245.605	-99999
553.3	-99999	8.65436	9.62116	-99999	-99999	-99999	229.751	-99999
553.4	-99999	8.69833	9.4008	-99999	-99999	-99999	236.577	-99999
553.5	-99999	8.71304	9.16784	-99999	-99999	-99999	224.338	-99999
553.6	-99999	8.70025	8.94772	-99999	-99999	-99999	218.426	-99999
553.7	-99999	8.6602	8.72273	-99999	-99999	-99999	209.893	-99999
553.8	-99999	-99999	8.5237	-99999	-99999	-99999	205.506	-99999
553.9	-99999	-99999	8.35212	-99999	-99999	-99999	185.366	-99999
554	-99999	-99999	8.20574	-99999	-99999	-99999	186.635	-99999
554.1	-99999	-99999	8.06342	-99999	-99999	-99999	190.581	-99999
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554.3	-99999	-99999	7.8061	-99999	-99999	-99999	188.164	-99999
554.4	-99999	-99999	7.69876	-99999	-99999	-99999	185.19	-99999
554.5	-99999	-99999	7.59882	-99999	-99999	-99999	179.864	-99999
554.6	-99999	-99999	-99999	-99999	-99999	-99999	174.868	-99999
554.7	-99999	-99999	-99999	-99999	-99999	-99999	175.411	-99999
554.8	-99999	-99999	-99999	-99999	-99999	-99999	169.469	-99999
554.9	-99999	-99999	-99999	-99999	-99999	-99999	167.876	-99999
555	-99999	-99999	-99999	-99999	-99999	-99999	165.959	-99999
555.1	-99999	-99999	-99999	-99999	-99999	-99999	162.135	-99999
555.2	-99999	-99999	-99999	-99999	-99999	-99999	164.103	-99999

GAMMA	GAMMA_R	GAMMA 2_F	ShtRes_F	LngRes_F	Neu_F	Neu_R_F
-99999	-99999	0	0	0	0	0
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-99999	-99999	87.2866	0	0	0	0
-99999	-99999	87.4388	0	0	0	0
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-99999	-99999	87.495	0	0	0	0
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-99999	-99999	80.1577	0	0	0	0
-99999	-99999	80.9869	0	0	0	0
-99999	-99999	75.9287	0	0	0	0
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-99999	-99999	66.8624	0	0	0	0
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-99999	-99999	63.8807	0	0	0	0
-99999	-99999	57.3756	0	0	0	0
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62.9769	-99999	59.2248	0	0	0	0
64.0585	-99999	59.4318	0	0	0	0
64.8399	-99999	61.0263	0	0	0	0
66.3367	-99999	59.4318	0	0	0	0
67.8228	-99999	59.8422	0	0	0	0
68.4589	-99999	64.4908	0	0	0	0
70.5068	-99999	65.3369	0	0	0	0
70.6593	-99999	65.0781	0	0	0	0
72.0197	-99999	64.5123	0	0	0	0
74.2888	-99999	66.3169	0	0	0	0
75.4581	-99999	66.2681	0	0	0	0
75.1955	-99999	70.0619	0	0	0	0
75.1311	-99999	70.1695	0	0	0	0
77.383	-99999	66.8856	0	0	0	0
76.4237	-99999	68.0657	0	0	0	0
75.361	-99999	71.5492	0	0	0	0
74.5	-99999	74.4902	0	0	0	0
72.0296	-99999	75.5338	0	0	0	0
70.7171	-99999	74.8732	0	0	0	0
71.5673	-99999	77.5818	0	0	0	0
73.1734	-99999	76.5646	0	0	0	0

70.5706	-99999	76.9486	0	0	0	0
64.5006	-99999	78.8358	0	0	0	0
68.3328	-99999	80.6497	0	0	0	0
65.7707	-99999	80.3883	0	0	0	0
65.3629	-99999	78.2369	0	8.15977	0	0
65.3603	-99999	78.266	0	8.09429	0	0
67.1723	-99999	80.2428	0	8.02524	0	0
66.9486	-99999	81.8494	0	7.967	0	0
66.9512	-99999	83.6699	0	7.93404	0	0
71.4487	-99999	86.3795	0	7.96195	0	0
77.2839	-99999	87.4619	0	8.05826	0	0
73	-99999	84.6144	0	8.19529	0	0
74.646	-99999	84.2808	14.6573	8.36817	0	0
77.1949	-99999	86.4467	14.8081	8.60374	0	0
76.8642	-99999	89.3385	14.9986	8.9217	0	0
74.2644	-99999	90.8337	15.2144	9.33049	0	0
73.6868	-99999	88.9506	15.4651	9.78241	0	0
79.2043	-99999	88.491	15.73	10.2779	0	0
77.3606	-99999	89.184	16.0145	10.756	0	0
76.0058	-99999	91.5342	16.2599	11.1913	0	0
75.8791	-99999	95.0131	16.4467	11.5567	0	0
77.1406	-99999	94.4813	16.5734	11.8518	0	0
76.3035	-99999	94.6891	16.5724	12.0537	0	0
76.5191	-99999	92.8788	16.5021	12.1214	0	0
78.4668	-99999	91.1955	16.3656	12.0832	0	0
78.7552	-99999	90.0035	16.1994	11.9458	990.953	0
76.4541	-99999	90.8676	16.014	11.6683	1005.36	0
74.4693	-99999	89.8644	15.7685	11.3652	1009.36	0
73.2069	-99999	90.7041	15.5215	11.0321	1001.63	0
77.4534	-99999	87.4754	15.2658	10.7177	991.202	0
78.431	-99999	91.3312	15.0361	10.4234	998.824	0
78.9261	-99999	89.1903	14.8355	10.1242	998.667	0
79.0144	-99999	85.836	14.6522	9.84779	987.99	0
79.6852	-99999	84.5963	14.4785	9.54627	990.174	0
76.7069	-99999	82.532	14.241	9.28595	995.362	0
74.5547	-99999	86.2341	13.9245	9.06142	981.571	0
74.327	-99999	88.1717	13.5713	8.83571	974.493	0
75.0516	-99999	83.7102	13.2233	8.63915	973.855	0
75.3098	-99999	88.1103	12.8782	8.47724	971.996	0
79.8379	-99999	84.7851	12.5502	8.32969	950.054	0
83.9751	-99999	86.0694	12.259	8.21205	944.213	0
83.7413	-99999	90.1075	11.9869	8.13173	954.96	0
80.0345	-99999	91.0055	11.7775	8.09163	953.4	0
76.4115	-99999	98.9686	11.6884	8.08767	941.093	0
74.703	-99999	95.5417	11.7136	8.13587	934.204	0
76.5537	-99999	93.4871	11.7835	8.22065	938.716	0
78.4544	-99999	89.9554	11.8615	8.33675	968.437	0

75.1237	-99999	86.7872	11.9605	8.44198	982.558	0
69.4499	-99999	90.3259	12.0317	8.52725	984.247	0
65.4139	-99999	92.2069	12.0814	8.60347	975.669	0
64.6564	-99999	88.5563	12.1075	8.66472	959.452	0
69.9017	-99999	85.3038	12.0574	8.70351	953.729	0
75.1186	-99999	81.2109	11.9555	8.72534	954.575	0
75.5387	-99999	78.7238	11.8618	8.71478	958.313	0
73.7279	-99999	83.0555	11.8164	8.66208	951.048	0
74.1598	-99999	87.9374	11.8041	8.58322	911.382	0
76.7076	-99999	89.4222	11.7849	8.54059	893.073	0
76.2354	-99999	88.2368	11.7896	8.57696	886.198	0
79.262	-99999	89.841	11.8677	8.68998	873.835	0
80.3505	-99999	93.134	12.0832	8.85007	874.383	0
78.9155	-99999	95.141	12.4222	9.02858	864.327	0
79.3708	-99999	99.0908	12.856	9.2082	843.715	0
80.2389	-99999	100.22	13.3251	9.35778	820.92	0
82.3466	-99999	97.1471	13.7214	9.46341	797.738	0
81.5249	-99999	96.7265	14.0062	9.51932	796.359	0
77.8453	-99999	95.9616	14.2336	9.51141	788.146	0
79.756	-99999	93.9103	14.3699	9.42391	791.778	0
80.4323	-99999	92.2202	14.311	9.26355	772.333	0
79.6837	-99999	90.9494	13.964	9.05789	751.651	0
77.4212	-99999	90.1384	13.4751	8.83011	753.708	0
78.6703	-99999	86.5319	12.9449	8.61027	766.059	0
84.0553	-99999	86.5197	12.4431	8.45483	758.888	0
83.3781	-99999	90.718	12.1187	8.39389	758.518	0
81.9844	-99999	92.2828	11.9757	8.42894	756.611	0
81.7188	-99999	92.3181	12.0458	8.56067	747.804	0
80.6047	-99999	93.509	12.3073	8.78551	749.886	0
77.542	-99999	95.9662	12.7201	9.09966	767.046	0
77.0549	-99999	97.2462	13.3939	9.46504	774.957	0
77.3041	-99999	95.4187	14.0524	9.81293	765.496	0
78.7416	-99999	94.791	14.6489	10.1393	745.896	0
74.8663	-99999	93.1268	15.221	10.4562	754.827	0
75.9905	-99999	91.5514	15.5921	10.7397	770.024	0
79.0493	-99999	91.8758	15.857	10.9647	759.114	0
83.5956	-99999	90.3484	16.025	11.1177	756.45	0
82.0071	-99999	88.5272	16.0643	11.1954	736.071	0
83.7287	-99999	87.7509	16.1257	11.1832	708.758	0
89.8412	-99999	89.9495	16.1157	11.1254	686.834	0
88.2864	-99999	91.0429	16.141	11.1072	692.233	0
86.1505	-99999	92.5183	16.1356	11.1001	700.625	0
94.3964	-99999	94.8235	16.098	11.0663	686.678	0
89.6401	-99999	92.0826	16.1278	11.0215	670.914	0
90.027	-99999	91.6091	16.1641	10.9748	689.55	0
90.2583	-99999	94.5191	16.194	10.9459	669.031	0
95.0641	-99999	93.6105	16.267	10.9232	672.382	0

97.8949	-99999	94.5667	16.2983	10.9302	685.224	0
95.6328	-99999	94.7993	16.323	10.9622	705.55	0
98.1035	-99999	95.9998	16.4135	10.9849	701.727	0
97.3427	-99999	94.7615	16.5544	10.9874	700.329	0
90.6115	-99999	94.1641	16.6939	10.9892	722.841	0
94.0547	-99999	92.9223	16.8371	10.9892	704.341	0
93.071	-99999	87.351	16.9627	11.0619	706.003	0
89.5785	-99999	84.2678	17.0661	11.1822	718.4	0
84.8973	-99999	80.3518	17.1497	11.3889	727.951	0
87.0584	-99999	72.9338	17.2433	11.6195	739.024	0
88.8961	-99999	69.9219	17.3225	11.8781	734.821	0
88.5514	-99999	70.0988	17.3295	12.1124	743.624	0
88.7882	-99999	70.1123	17.2915	12.3678	761.217	0
87.9909	-99999	68.1042	17.2192	12.6398	752.25	0
87.2059	-99999	72.3499	17.177	12.9443	751.796	0
91.7884	-99999	76.6826	17.0954	13.1783	758.643	0
97.8783	-99999	78.3422	17.0102	13.347	763.622	0
100.281	-99999	84.1756	16.8995	13.3992	753.543	0
96.224	-99999	89.8856	16.7325	13.3678	736.492	0
95.1997	-99999	91.3217	16.5799	13.2558	728.973	0
94.7845	-99999	89.8868	16.4146	13.1211	719.938	0
94.4212	-99999	91.6736	16.2736	12.9385	713.923	0
97.0743	-99999	91.9011	16.1377	12.7226	719.355	0
97.2406	-99999	86.5305	15.9402	12.4718	726.379	0
93.7021	-99999	87.4265	15.7669	12.2177	720.442	0
92.0349	-99999	89.5582	15.6088	11.9378	709.092	0
91.6764	-99999	87.2341	15.45	11.6704	703.219	0
93.0795	-99999	84.3247	15.2977	11.4323	709.556	0
94.4732	-99999	85.8845	15.1353	11.2299	718.577	0
95.2002	-99999	88.2271	14.9905	11.0367	711.083	0
95.5975	-99999	90.7762	14.8238	10.8658	683.912	0
93.0432	-99999	92.0861	14.6357	10.6996	664.078	0
90.7241	-99999	95.5523	14.4894	10.5267	647.566	0
92.7584	-99999	96.4762	14.3232	10.3606	654.863	0
92.9835	-99999	96.3983	14.1359	10.2252	667.442	0
92.0729	-99999	97.9603	13.9746	10.1189	672.201	0
89.7112	-99999	100.073	13.8074	10.0346	657.3	0
88.2883	-99999	98.2711	13.6308	9.97471	644.549	0
87.271	-99999	98.4217	13.4168	9.94826	647.849	0
86.1246	-99999	95.7337	13.1883	9.9303	655.004	0
86.221	-99999	94.1549	12.9938	9.91494	663.741	0
86.7542	-99999	94.676	12.7605	9.92169	676.01	0
82.5006	-99999	97.1449	12.5501	9.95705	651.396	0
81.0704	-99999	97.0382	12.3339	10.0002	641.607	0
80.1065	-99999	97.0945	12.1363	10.0357	633.652	0
79.2962	-99999	97.4542	11.9765	10.0536	640.672	0
80.1734	-99999	97.2059	11.8166	10.0367	642.192	0

82.5042	-99999	96.7542	11.6986	9.9854	631.543	0
84.6528	-99999	96.6615	11.5679	9.91298	634.941	0
87.312	-99999	96.9255	11.4034	9.81434	625.127	0
91.9104	-99999	95.0605	11.2452	9.66013	603.148	0
91.4146	-99999	90.8969	11.0584	9.44657	612.652	0
91.9296	-99999	89.9037	10.8407	9.18986	625.58	0
96.0734	-99999	89.1508	10.5734	8.91316	660.943	0
99.4899	-99999	91.4961	10.2811	8.63957	672.251	0
100.944	-99999	95.6876	9.98388	8.38526	664.652	0
100.534	-99999	95.9256	9.6904	8.15284	648.929	0
97.3942	-99999	95.1153	9.44371	7.95132	626.87	0
99.8215	-99999	94.1985	9.20545	7.79134	634.948	0
96.7064	-99999	92.6525	9.0261	7.67654	645.218	0
100.152	-99999	94.821	8.85096	7.61711	625.95	0
98.8031	-99999	96.6157	8.71597	7.6107	618.5	0
95.2483	-99999	97.3327	8.64768	7.64424	580.024	0
91.3946	-99999	94.6967	8.58346	7.70306	578.07	0
87.9324	-99999	92.3774	8.55056	7.76818	590.476	0
83.8479	-99999	93.8782	8.51434	7.84631	618.854	0
87.0746	-99999	93.3825	8.5	7.91843	633.345	0
85.9439	-99999	95.8288	8.48832	7.98777	647.561	0
85.9925	-99999	92.6632	8.47935	8.04823	656.065	0
84.6438	-99999	88.518	8.5067	8.08915	678.649	0
89.1611	-99999	85.731	8.55267	8.11113	696.06	0
89.3762	-99999	82.5104	8.60184	8.11803	695.217	0
89.2172	-99999	78.314	8.65751	8.11441	690.388	0
90.9219	-99999	79.2846	8.72174	8.11427	689.184	0
97.5861	-99999	76.909	8.79847	8.0986	686.568	0
97.6783	-99999	78.3064	8.87135	8.08173	705.322	0
93.3415	-99999	78.5685	8.96543	8.05597	688.776	0
88.2146	-99999	86.4188	9.03954	8.02492	692.75	0
88.5336	-99999	89.6166	9.08083	7.9884	694.908	0
85.9785	-99999	94.0737	9.12408	7.95625	691.533	0
87.6743	-99999	99.7835	9.18637	7.94183	704.994	0
90.124	-99999	104.003	9.27003	7.93278	715.959	0
92.043	-99999	102.327	9.36327	7.94714	705.887	0
90.5654	-99999	108	9.47334	7.98443	713.835	0
91.2313	-99999	109.167	9.59149	8.04968	699.252	0
95.7654	-99999	104.098	9.71991	8.13873	698.722	0
100.694	-99999	101.555	9.87522	8.25569	696.984	0
101.84	-99999	104.152	10.048	8.38133	685.602	0
100.446	-99999	100.437	10.2149	8.52951	671.008	0
100.659	-99999	105.321	10.3587	8.6699	669.119	0
101.484	-99999	102.504	10.4964	8.79576	679.157	0
99.1617	-99999	102.393	10.6153	8.92066	685.452	0
97.6992	-99999	96.5831	10.6991	9.05136	672.924	0
98.0048	-99999	96.1505	10.774	9.17291	678.185	0

96.0126	-99999	101.923	10.8231	9.28034	679.312	0
94.1817	-99999	105.175	10.8633	9.37357	661.163	0
95.4733	-99999	101.346	10.9105	9.46452	653.238	0
95.4752	-99999	99.8699	10.9407	9.53208	662.718	0
93.8133	-99999	92.2403	10.9605	9.6005	660.03	0
90.6601	-99999	92.2822	10.9789	9.66989	649.476	0
87.5078	-99999	90.6659	11.0133	9.7221	655.692	0
84.7424	-99999	92.8426	11.0612	9.7726	658.926	0
80.713	-99999	91.4688	11.1217	9.80981	665.678	0
80.1556	-99999	86.7491	11.1717	9.83616	676.169	0
76.1234	-99999	81.8381	11.1997	9.82621	701.151	0
73.3595	-99999	82.8019	11.2282	9.7739	710.469	0
73.6172	-99999	87.7303	11.2651	9.74459	689.982	0
71.6013	-99999	91.6824	11.2643	9.73555	680.169	0
73.313	-99999	91.8987	11.1997	9.73041	677.047	0
74.7161	-99999	92.5596	11.1724	9.71363	674.133	0
74.6467	-99999	91.2667	11.2017	9.6795	685.221	0
74.0221	-99999	89.9243	11.1928	9.6451	670.342	0
74.0022	-99999	90.292	11.2119	9.60651	672.158	0
75.8849	-99999	93.1032	11.2132	9.59276	676.923	0
74.1095	-99999	91.2402	11.208	9.59726	692.006	0
76.7238	-99999	86.7659	11.2983	9.59562	692.587	0
81.6988	-99999	82.1222	11.4732	9.58232	704.838	0
82.8081	-99999	81.4058	11.5922	9.53774	704.033	0
82.7944	-99999	77.2181	11.6127	9.48922	693.153	0
83.784	-99999	75.805	11.6008	9.45357	684.457	0
85.4927	-99999	77.7346	11.6245	9.42456	693.297	0
85.9459	-99999	73.6656	11.6398	9.4037	693.215	0
85.2612	-99999	71.9883	11.6887	9.41104	681.296	0
88.817	-99999	74.137	11.7319	9.42234	699.894	0
84.3195	-99999	77.0761	11.6642	9.3951	718.912	0
81.0832	-99999	77.8868	11.6134	9.37725	706.187	0
81.1953	-99999	76.7716	11.6602	9.40635	702.443	0
83.4664	-99999	79.1478	11.7397	9.44597	710.572	0
82.7025	-99999	79.7179	11.8023	9.47845	714.652	0
83.354	-99999	81.9336	11.8519	9.52149	708.598	0
78.1713	-99999	87.7865	11.9207	9.56414	705.612	0
77.6601	-99999	90.6981	11.9743	9.58498	731.268	0
73.413	-99999	88.3774	12.0083	9.61036	727.063	0
71.7589	-99999	87.1853	12.022	9.66472	738.647	0
69.5332	-99999	88.6931	12.0305	9.70645	739.806	0
65.7998	-99999	91.0359	12.0914	9.75045	743.659	0
64.1371	-99999	90.8426	12.14	9.79071	750.83	0
64.096	-99999	89.9163	12.1879	9.83881	765.637	0
70.4462	-99999	87.5205	12.2179	9.88302	765.729	0
74.9846	-99999	87.0137	12.2315	9.93947	764.64	0
76.6867	-99999	83.3523	12.2399	9.99889	742.647	0

79.078	-99999	84.3451	12.2938	10.0542	720.708	0
82.8848	-99999	86.2001	12.3822	10.0901	733.261	0
86.9885	-99999	88.7037	12.4221	10.0999	722.972	0
91.7938	-99999	89.2799	12.4214	10.1059	731.494	0
92.8691	-99999	89.3304	12.4071	10.1128	712.843	0
90.6231	-99999	93.1299	12.4085	10.1067	705.586	0
87.5621	-99999	93.7797	12.4222	10.0703	701.536	0
90.2359	-99999	93.4585	12.4186	10.0154	704.829	0
91.598	-99999	91.5106	12.4212	9.9183	685.588	0
90.5207	-99999	88.9602	12.3826	9.82428	680.428	0
89.784	-99999	87.4012	12.3277	9.72161	656.748	0
89.277	-99999	90.1345	12.2841	9.63911	675.883	0
87.3598	-99999	87.7524	12.2109	9.52735	679.303	0
87.7487	-99999	91.0044	12.1167	9.44407	676.753	0
90.2547	-99999	86.8583	11.9865	9.37094	677.493	0
88.6481	-99999	88.0377	11.8468	9.32013	682.856	0
87.0645	-99999	85.5019	11.6902	9.27706	675.388	0
86.4009	-99999	90.43	11.5113	9.2835	681.281	0
85.9807	-99999	92.7944	11.3399	9.30031	695.128	0
89.1192	-99999	88.3436	11.1538	9.33716	698.107	0
93.8476	-99999	83.395	10.9618	9.39098	691.59	0
97.4924	-99999	86.7935	10.7911	9.46764	686.402	0
101.16	-99999	85.5794	10.6332	9.52408	676.525	0
100.912	-99999	84.7233	10.4788	9.57734	651.796	0
100.286	-99999	86.0021	10.3356	9.63173	638.351	0
100.336	-99999	88.1899	10.2198	9.67764	641.464	0
98.4766	-99999	88.9855	10.1171	9.6926	641.617	0
98.294	-99999	88.4976	10.0113	9.68663	626.497	0
94.148	-99999	91.4189	9.91015	9.64473	619.051	0
88.0211	-99999	87.6515	9.81484	9.57766	608.615	0
82.2858	-99999	84.1305	9.72068	9.47136	608.163	0
77.2043	-99999	80.8996	9.60074	9.33314	628.814	0
77.071	-99999	80.9371	9.47562	9.15835	639.83	0
75.629	-99999	79.4611	9.32847	8.95677	643.74	0
76.409	-99999	78.9073	9.15551	8.74497	637.96	0
80.9846	-99999	81.4345	8.95555	8.53585	632.386	0
82.5408	-99999	84.6159	8.74248	8.32775	642.906	0
84.7358	-99999	83.9495	8.54526	8.14412	641.576	0
85.2418	-99999	89.5046	8.34665	7.99211	631.549	0
88.5561	-99999	93.676	8.18838	7.8752	627.742	0
88.906	-99999	93.6713	8.07931	7.80452	613.926	0
88.8824	-99999	91.2499	8.023	7.78797	610.199	0
92.3039	-99999	88.7634	8.03433	7.8125	616.933	0
92.016	-99999	86.211	8.09992	7.88229	623.192	0
91.512	-99999	80.5448	8.21122	7.99889	611.83	0
90.1822	-99999	78.0878	8.40093	8.13952	610.115	0
86.2508	-99999	79.7907	8.60374	8.28021	624.75	0

86.6116	-99999	77.5966	8.83018	8.40946	643.285	0
85.481	-99999	75.4866	9.04471	8.52962	643.063	0
87.1103	-99999	77.1428	9.25124	8.62729	664.517	0
87.9149	-99999	79.3398	9.4283	8.70646	674.086	0
86.1119	-99999	81.2611	9.61528	8.78012	664.758	0
85.0866	-99999	82.1171	9.7962	8.8251	668.472	0
81.6251	-99999	80.0751	9.96698	8.83577	691.567	0
82.3454	-99999	76.1041	10.0929	8.83974	699.392	0
85.0502	-99999	74.8875	10.199	8.84272	702.772	0
86.4192	-99999	74.321	10.3427	8.85882	703.138	0
86.9232	-99999	73.8386	10.4431	8.8911	720.213	0
88.6068	-99999	76.4464	10.5542	8.94289	735.889	0
90.3266	-99999	79.524	10.6523	8.99032	749.486	0
88.2249	-99999	79.4899	10.7413	9.02792	761.14	0
84.3871	-99999	80.5502	10.799	9.06437	771.399	0
86.2401	-99999	82.4933	10.8743	9.11805	769.743	0
81.7188	-99999	84.5652	10.9309	9.17469	761.906	0
78.4294	-99999	84.5088	10.9763	9.25465	793.637	0
77.9348	-99999	87.2981	11.0222	9.3217	800.011	0
76.0338	-99999	84.8189	11.1288	9.38868	795.673	0
73.3463	-99999	82.9761	11.2058	9.4337	759.406	0
74.1346	-99999	81.5399	11.2832	9.47666	748.977	0
78.4982	-99999	83.6418	11.295	9.51416	740.644	0
84.5693	-99999	82.5726	11.2989	9.53931	741.582	0
89.0115	-99999	88.7878	11.2837	9.55323	745.92	0
96.6404	-99999	89.536	11.2449	9.51667	751.463	0
100.666	-99999	87.0483	11.1812	9.44613	724.273	0
103.311	-99999	86.2763	11.0621	9.34808	726.032	0
105.251	-99999	92.4272	10.9038	9.2353	718.542	0
105.3	-99999	94.8657	10.7468	9.14814	715.941	0
102.095	-99999	98.4625	10.5917	9.08558	723.561	0
100.946	-99999	95.8847	10.4647	9.04851	738.533	0
99.8045	-99999	95.1044	10.3588	9.01966	727.175	0
96.6259	-99999	94.0904	10.2665	8.9835	731.799	0
94.9003	-99999	91.4235	10.1998	8.99056	717.566	0
95.745	-99999	90.8171	10.1535	8.99713	707.652	0
93.9666	-99999	88.5306	10.1067	9.03088	710.827	0
91.1933	-99999	85.6175	10.0707	9.06313	712.666	0
89.8278	-99999	79.9347	10.0432	9.08199	725.078	0
90.2135	-99999	73.9217	9.98938	9.06448	718.065	0
87.8743	-99999	78.2444	9.90716	9.01001	703.508	0
85.8329	-99999	83.7534	9.7954	8.93976	689.637	0
85.4955	-99999	82.3385	9.66817	8.86039	678.834	0
86.29	-99999	88.864	9.54342	8.76595	669.438	0
84.6175	-99999	89.2923	9.4248	8.66603	665.036	0
82.9287	-99999	95.2479	9.31877	8.56923	657.861	0
85.6921	-99999	97.1253	9.20859	8.46208	658.909	0

88.6965	-99999	100.972	9.08922	8.34473	656.152	0
91.8929	-99999	103.423	8.99688	8.23543	646.737	0
94.5677	-99999	97.8249	8.922	8.14271	644.324	0
95.6753	-99999	92.8053	8.84764	8.04697	648.755	0
95.3728	-99999	92.2324	8.76119	7.95727	650.646	0
93.7717	-99999	89.9689	8.67005	7.87147	649.589	0
93.9084	-99999	90.3766	8.57637	7.78896	644.975	0
95.2854	-99999	86.6435	8.4839	7.70598	648.313	0
94.6977	-99999	84.4114	8.40137	7.6382	651.447	0
92.6696	-99999	82.6278	8.33356	7.59618	648.971	0
90.1358	-99999	83.9663	8.28753	7.57468	646.783	0
89.2336	-99999	86.6684	8.25607	7.58238	654.946	0
90.6679	-99999	87.8445	8.26008	7.62061	656.932	0
92.9502	-99999	87.8438	8.29822	7.68285	656.062	0
89.7937	-99999	90.8079	8.35682	7.77664	664.429	0
89.1538	-99999	92.7269	8.44378	7.89901	670.35	0
86.7011	-99999	89.8818	8.54613	8.03522	679.527	0
86.675	-99999	91.5623	8.64993	8.17122	689.239	0
87.3564	-99999	94.5485	8.7479	8.29444	712.435	0
87.7276	-99999	96.0078	8.85213	8.40546	714.599	0
88.3812	-99999	98.7231	8.94549	8.49661	716.032	0
85.7961	-99999	100.155	9.02493	8.56327	706.219	0
83.0506	-99999	98.3151	9.08178	8.61037	709.366	0
84.238	-99999	94.7898	9.1202	8.63163	721.831	0
83.1911	-99999	93.9898	9.12604	8.63364	725.185	0
86.1456	-99999	95.918	9.10601	8.60714	726.141	0
85.3713	-99999	96.2249	9.06485	8.57536	718.323	0
85.1685	-99999	95.6959	9.00715	8.53637	699.977	0
84.6873	-99999	93.2722	8.92938	8.48203	692.899	0
80.8074	-99999	90.0898	8.86385	8.43204	695.594	0
79.5675	-99999	89.3112	8.77543	8.39587	702.398	0
80.6117	-99999	88.9469	8.70614	8.36848	715.756	0
77.6625	-99999	86.4455	8.63244	8.34636	695.984	0
77.6404	-99999	85.6297	8.56941	8.32601	690.743	0
74.5681	-99999	83.014	8.51814	8.32325	670.416	0
74.593	-99999	77.9893	8.49873	8.31039	664.467	0
76.9211	-99999	71.8807	8.45054	8.31926	664.048	0
76.2285	-99999	69.1353	8.41421	8.33176	690.012	0
81.1763	-99999	66.8688	8.38915	8.34508	691.041	0
79.5361	-99999	65.8586	8.36355	8.35206	692.104	0
77.4179	-99999	67.3449	8.32974	8.34914	667.877	0
82.4522	-99999	70.672	8.2946	8.329	678.88	0
80.0971	-99999	69.5403	8.2644	8.30451	686.371	0
81.8792	-99999	71.1747	8.22409	8.27261	700.563	0
83.5805	-99999	73.9185	8.18867	8.23525	693.543	0
79.006	-99999	75.3144	8.17452	8.18859	685.859	0
79.823	-99999	78.0059	8.13785	8.14163	661.88	0

77.3815	-99999	78.684	8.1164	8.08687	656.404	0
79.3299	-99999	76.9101	8.10044	8.02775	657.504	0
78.1887	-99999	75.5105	8.07725	7.9611	686.218	0
79.6449	-99999	72.0405	8.06326	7.91502	673.553	0
82.6942	-99999	74.7897	8.04161	7.85137	671.117	0
82.9711	-99999	76.6696	8.01378	7.79123	658.261	0
80.108	-99999	79.9164	7.98726	7.73165	661.95	0
80.3446	-99999	82.2947	7.97324	7.69206	665.887	0
78.7871	-99999	79.6366	7.96318	7.63723	676.468	0
82.2145	-99999	78.9922	7.95421	7.6028	681.639	0
83.6168	-99999	80.7352	7.95272	7.57771	693.183	0
83.6866	-99999	87.349	7.97077	7.56857	674.446	0
79.8345	-99999	92.7139	7.99519	7.56109	682.782	0
79.5766	-99999	92.4966	8.04303	7.58536	686.203	0
84.7381	-99999	93.8013	8.11666	7.62352	689.624	0
88.3043	-99999	88.9582	8.19006	7.67698	699.919	0
88.7108	-99999	89.8683	8.27836	7.72365	722.201	0
88.49	-99999	94.9712	8.37164	7.79508	721.931	0
85.7001	-99999	99.9179	8.46103	7.85726	723.488	0
83.9373	-99999	102.904	8.54479	7.92339	730.695	0
84.5986	-99999	97.1783	8.62003	7.99051	742.774	0
89.3116	-99999	94.8288	8.69354	8.05448	732.893	0
89.8889	-99999	92.7787	8.75264	8.10011	716.995	0
86.25	-99999	90.2875	8.78964	8.14225	710.324	0
87.7562	-99999	97.1107	8.82409	8.1819	704.413	0
89.5348	-99999	99.9907	8.84597	8.20828	702.959	0
88.5212	-99999	96.836	8.85822	8.2274	715.268	0
89.2871	-99999	98.8981	8.86964	8.24542	706.296	0
90.5789	-99999	98.6048	8.88202	8.25857	693.278	0
93.8179	-99999	100.687	8.88698	8.26683	702.177	0
96.2537	-99999	101.114	8.87918	8.2717	710.911	0
94.839	-99999	103.212	8.86192	8.275	717.248	0
97.9782	-99999	104.986	8.84241	8.26995	720.127	0
98.8391	-99999	103.465	8.80404	8.25878	718.652	0
99.3745	-99999	103.964	8.76744	8.25395	705.895	0
103.95	-99999	101.012	8.73584	8.24182	677.708	0
106.314	-99999	97.9977	8.68834	8.22158	661.66	0
107.766	-99999	97.4137	8.64478	8.20513	645.019	0
103.694	-99999	100.014	8.5976	8.19403	641.232	0
97.3717	-99999	102.308	8.56004	8.19382	635.663	0
96.5884	-99999	103.894	8.521	8.198	621.771	0
95.3162	-99999	103.784	8.49962	8.20988	618.236	0
93.6379	-99999	100.926	8.48612	8.22684	603.063	0
93.7156	-99999	98.442	8.47431	8.25119	573.869	0
89.3552	-99999	98.6114	8.45386	8.28521	589.723	0
85.9834	-99999	94.7953	8.44762	8.32133	604.818	0
84.5559	-99999	91.6415	8.45058	8.35514	604.255	0

85.6618	-99999	88.1545	8.46935	8.37546	592.61	0
88.9792	-99999	87.1451	8.4923	8.39067	597.519	0
90.8571	-99999	89.5604	8.53326	8.40456	606.401	0
89.1844	-99999	90.541	8.56816	8.41716	599.171	0
88.862	-99999	89.7262	8.61478	8.42274	596.275	0
92.8945	-99999	88.8718	8.68837	8.41346	639.531	0
95.7708	-99999	90.574	8.76383	8.40164	624.956	0
100.111	-99999	95.1744	8.83682	8.38228	622.368	0
99.2535	-99999	97.6667	8.91422	8.36439	639.052	0
98.7231	-99999	100.633	8.98118	8.34672	657.651	0
98.657	-99999	101.229	9.04679	8.32405	658.247	0
104.748	-99999	101.099	9.10437	8.29994	672.52	0
104.252	-99999	100.156	9.17525	8.26198	676.075	0
107.557	-99999	101.815	9.25126	8.23276	690.301	0
105.418	-99999	106.249	9.31197	8.22328	676.76	0
104.03	-99999	106.751	9.40204	8.21879	688.288	0
106.502	-99999	106.773	9.51664	8.23727	678.804	0
108.289	-99999	109.397	9.63867	8.30685	676.923	0
105.891	-99999	107.584	9.8239	8.41411	668.811	0
103.024	-99999	106.554	10.0561	8.5532	673.424	0
95.9752	-99999	106.907	10.3169	8.70653	661.889	0
92.6068	-99999	110.869	10.5803	8.86086	653.392	0
93.3349	-99999	111.421	10.8762	8.97982	648.361	0
94.0232	-99999	109.247	11.1354	9.05875	643.455	0
95.6649	-99999	112.304	11.3493	9.09832	647.722	0
93.8327	-99999	109.788	11.5054	9.08796	663.774	0
94.8009	-99999	104.461	11.5461	9.01663	671.007	0
93.4224	-99999	106.977	11.4527	8.91021	680.893	0
93.4014	-99999	104.144	11.2699	8.75838	688.659	0
94.6013	-99999	101.158	11.0278	8.58543	700.525	0
93.3367	-99999	98.8468	10.7637	8.40871	729.119	0
89.8021	-99999	95.5562	10.4771	8.2716	748.981	0
85.3408	-99999	90.21	10.2369	8.1986	755.982	0
80.6371	-99999	87.8899	10.0689	8.1962	751.836	0
77.698	-99999	87.3801	10.0067	8.27357	742.933	0
77.9453	-99999	88.5445	10.0716	8.40039	734.384	0
79.7894	-99999	89.8755	10.2387	8.56185	719.407	0
81.6347	-99999	97.4559	10.4523	8.72036	713.356	0
80.8268	-99999	96.3688	10.6686	8.85929	705.99	0
81.2431	-99999	101.254	10.8647	9.02017	701.517	0
79.1514	-99999	106.216	11.0351	9.16413	686.101	0
77.9535	-99999	110.943	11.1795	9.2727	683.639	0
79.0741	-99999	105.737	11.2682	9.33992	693.114	0
77.3545	-99999	107.486	11.2951	9.33978	683.336	0
77.6749	-99999	110.849	11.2748	9.28381	675.32	0
79.1743	-99999	106.636	11.2268	9.20349	694.343	0
81.5688	-99999	100.621	11.1837	9.1177	718.568	0

86.2483	-99999	101.616	11.1637	9.0478	725.744	0
89.0247	-99999	93.4508	11.1417	8.97596	726.338	0
93.5588	-99999	87.3563	11.1235	8.91692	738.478	0
95.3472	-99999	88.4307	11.0743	8.86055	734.795	0
97.0701	-99999	94.4278	11.0388	8.80887	735.771	0
99.9038	-99999	91.7813	10.992	8.7575	768.24	0
98.9507	-99999	88.5925	10.9406	8.69735	778.558	0
99.2316	-99999	88.0356	10.8657	8.62755	762.222	0
98.3386	-99999	89.1895	10.7747	8.5676	767.178	0
95.4942	-99999	91.0693	10.6842	8.51542	786.065	0
94.0932	-99999	92.62	10.6249	8.47672	809.77	0
93.5843	-99999	96.8556	10.5577	8.43689	824.702	0
95.3566	-99999	96.545	10.5133	8.39306	849.508	0
97.0963	-99999	92.9931	10.4629	8.35458	854.496	0
99.0764	-99999	93.2409	10.4317	8.32613	834.406	0
98.1312	-99999	93.7842	10.4148	8.3177	840.292	0
95.3892	-99999	94.3047	10.4202	8.337	867.621	0
92.0599	-99999	92.6567	10.4791	8.38389	881.35	0
90.289	-99999	87.9919	10.5513	8.44259	886.892	0
87.7308	-99999	88.9984	10.6241	8.49859	886.835	0
86.4781	-99999	89.9413	10.7201	8.55227	884.921	0
85.6707	-99999	91.1094	10.8197	8.59968	877.083	0
82.5827	-99999	93.0762	10.8832	8.64169	887.434	0
79.912	-99999	93.1857	10.9861	8.68013	893.017	0
85.8427	-99999	93.7961	11.0606	8.70982	894.386	0
86.8253	-99999	97.3103	11.1309	8.72304	886.674	0
92.6096	-99999	99.5188	11.1465	8.70943	872.024	0
96.7605	-99999	101.126	11.1427	8.66728	858.583	0
98.5794	-99999	101.737	11.0929	8.61057	857.926	0
99.717	-99999	98.7841	11.0337	8.55862	860.851	0
102.845	-99999	95.2021	10.9746	8.52419	879.518	0
107.225	-99999	91.5728	10.9364	8.50438	887.877	0
106.977	-99999	88.9128	10.8603	8.49544	899.625	0
100.161	-99999	85.4174	10.8178	8.48679	924.686	0
99.5623	-99999	81.2429	10.7456	8.47313	925.022	0
94.7267	-99999	78.1129	10.7095	8.48047	919.841	0
90.6558	-99999	77.9212	10.6902	8.50383	914.295	0
94.6568	-99999	75.2405	10.6919	8.52245	913.646	0
95.0272	-99999	77.1763	10.7017	8.53382	915.984	0
88.7701	-99999	77.7712	10.6664	8.52763	906.807	0
84.2204	-99999	82.5405	10.6251	8.5049	881.495	0
82.7162	-99999	87.6514	10.5663	8.47118	885.6	0
86.544	-99999	90.6329	10.485	8.43983	866.627	0
88.0389	-99999	88.1029	10.419	8.41389	873.564	0
87.4511	-99999	89.5878	10.3407	8.38394	872.84	0
86.1022	-99999	90.0084	10.2351	8.34458	864.332	0
80.8457	-99999	91.196	10.1248	8.31199	854.832	0

80.666	-99999	89.1523	10.0173	8.28602	845.799	0
83.3702	-99999	86.7879	9.95903	8.25262	839.641	0
82.6905	-99999	82.5721	9.90801	8.21083	850.734	0
84.4076	-99999	83.741	9.85073	8.18181	842.864	0
81.3826	-99999	81.1169	9.80885	8.17134	831.261	0
79.7391	-99999	86.0685	9.75315	8.15313	808.251	0
80.8024	-99999	85.2046	9.68611	8.12981	818.436	0
88.3259	-99999	87.2336	9.63639	8.10662	836.412	0
91.7118	-99999	89.5568	9.61634	8.08778	835.828	0
90.1473	-99999	89.8876	9.60067	8.07372	842.875	0
90.6608	-99999	102.232	9.57626	8.06581	842.222	0
94.0583	-99999	100.71	9.55858	8.08922	847.097	0
94.84	-99999	97.1135	9.5773	8.11804	871.465	0
93.0871	-99999	94.6384	9.60492	8.15379	882.767	0
93.3407	-99999	97.3328	9.67105	8.19648	886.621	0
92.3179	-99999	101.714	9.75858	8.23115	861.139	0
87.2758	-99999	96.5765	9.84633	8.2733	839.708	0
86.1757	-99999	96.2914	9.94011	8.30637	833.571	0
85.1873	-99999	96.6557	10.031	8.33018	820.411	0
80.8419	-99999	89.3723	10.1147	8.34767	813.912	0
75.2741	-99999	91.6958	10.1857	8.35459	796.088	0
72.6469	-99999	91.122	10.2427	8.35063	776.077	0
76.3175	-99999	96.5158	10.2852	8.35153	772.492	0
79.6487	-99999	90.7012	10.2933	8.35751	762.199	0
78.7956	-99999	85.8159	10.2898	8.36732	778.048	0
76.9498	-99999	85.8288	10.2805	8.37992	773.628	0
79.3385	-99999	85.9703	10.2644	8.40331	758.689	0
86.2081	-99999	85.5453	10.2577	8.44	765.793	0
92.7588	-99999	88.1484	10.2549	8.49183	767.641	0
98.6542	-99999	91.4782	10.2534	8.54867	764.848	0
101.919	-99999	91.5709	10.2693	8.61426	749.291	0
101.726	-99999	89.0476	10.3098	8.67473	740.702	0
102.505	-99999	90.7241	10.3569	8.73095	733.169	0
105.019	-99999	90.762	10.3936	8.77716	727.948	0
106.762	-99999	93.1571	10.4629	8.80591	740.652	0
105.441	-99999	92.7238	10.5244	8.81198	760.15	0
102.104	-99999	92.4204	10.5793	8.8159	772.644	0
99.65	-99999	88.9963	10.6067	8.79592	793.919	0
98.903	-99999	86.5824	10.6108	8.73131	804.055	0
95.3231	-99999	88.3793	10.5661	8.6279	804.421	0
93.4372	-99999	87.2916	10.4491	8.49687	837.509	0
89.03	-99999	88.1202	10.2871	8.34912	858.209	0
88.693	-99999	90.1459	10.0918	8.18023	841.248	0
88.1787	-99999	90.4572	9.86891	8.00552	829.071	0
88.4398	-99999	93.228	9.6431	7.83309	814.944	0
87.1733	-99999	95.1671	9.42064	7.65614	779.645	0
89.6317	-99999	95.8453	9.21849	7.5018	748.48	0

89.1515	-99999	95.4736	9.07273	7.38104	752.944	0
96.5306	-99999	94.2666	8.9529	7.30658	748.71	0
98.4771	-99999	94.2025	8.90379	7.28683	715.871	0
98.01	-99999	98.0748	8.86581	7.31546	727.349	0
96.8209	-99999	98.9574	8.9178	7.38116	775.008	0
98.6112	-99999	97.2099	9.04638	7.47135	782.95	0
94.9775	-99999	95.4539	9.20245	7.58026	812.398	0
95.278	-99999	93.1824	9.4021	7.7084	833.787	0
93.1609	-99999	93.819	9.60546	7.8682	833.545	0
93.0531	-99999	92.0791	9.82724	8.06427	842.566	0
90.922	-99999	91.6119	10.1115	8.29999	839.911	0
89.3047	-99999	94.7045	10.4985	8.59124	837.954	0
91.1025	-99999	90.8082	10.8682	8.89085	815.401	0
93.8916	-99999	90.3016	11.1315	9.20416	793.435	0
93.4674	-99999	89.8209	11.3587	9.56153	807.234	0
92.4312	-99999	87.82	11.5268	9.96542	770.763	0
91.6896	-99999	89.3418	11.6837	10.4326	768.972	0
90.2665	-99999	92.6782	11.8282	10.9273	787.693	0
92.284	-99999	97.3591	11.8803	11.4208	777.492	0
89.5919	-99999	96.9263	11.8887	11.8734	785.372	0
88.6971	-99999	93.2259	11.8322	12.2276	780.955	0
87.055	-99999	93.6304	11.8445	12.5313	754.036	0
86.3068	-99999	92.9439	11.8934	12.7927	737.397	0
84.2787	-99999	93.1638	11.9463	12.9593	717.668	0
86.9248	-99999	96.7095	12.0236	13.0417	719.814	0
90.5556	-99999	94.9201	12.1169	13.0034	701.539	0
93.8333	-99999	91.0312	12.2338	12.9074	673.313	0
90.9485	-99999	84.6414	12.3532	12.7444	661.445	0
91.3565	-99999	87.3368	12.4674	12.4831	650.181	0
91.9707	-99999	86.2745	12.5449	12.1882	668.708	0
94.1106	-99999	86.1824	12.6063	11.8426	695.032	0
94.5692	-99999	88.2675	12.6154	11.4382	696.106	0
92.625	-99999	86.2882	12.5831	11.0084	698.766	0
91.7055	-99999	81.625	12.4993	10.5344	677.663	0
88.0066	-99999	84.7813	12.3802	10.0573	668.267	0
84.1578	-99999	83.8314	12.2767	9.56631	665.491	0
84.8145	-99999	88.8711	12.1902	9.11907	662.611	0
85.2603	-99999	89.5126	12.0947	8.76748	670.219	0
87.765	-99999	92.9316	12.004	8.49942	656.765	0
87.6168	-99999	88.9477	11.942	8.34134	638.486	0
87.7444	-99999	87.3947	11.9336	8.25484	627.842	0
89.1633	-99999	88.9054	11.9688	8.21911	639.674	0
88.7989	-99999	90.2026	12.0463	8.22713	660.378	0
90.6054	-99999	89.9679	12.1309	8.25663	651.346	0
92.4383	-99999	89.8733	12.2203	8.31167	646.95	0
92.9223	-99999	90.403	12.3003	8.36601	649.504	0
94.4752	-99999	88.6461	12.3756	8.4217	636.547	0

93.7449	-99999	86.1434	12.442	8.5163	635.937	0
91.6648	-99999	90.1841	12.455	8.67837	652.538	0
90.8132	-99999	91.1871	12.4197	8.91549	661.012	0
90.5063	-99999	93.8614	12.3775	9.23419	648.476	0
92.7224	-99999	94.3752	12.365	9.63852	649.463	0
92.8133	-99999	95.0675	12.3364	10.0995	678.95	0
90.0136	-99999	95.8051	12.2656	10.6027	691.928	0
87.5965	-99999	96.463	12.1714	11.1715	701.019	0
83.3425	-99999	99.764	12.0399	11.7577	708.163	0
80.6888	-99999	100.659	11.8854	12.3015	696.885	0
82.2096	-99999	101.121	11.7973	12.7824	690.549	0
84.736	-99999	103.015	11.7352	13.1442	694.665	0
87.1781	-99999	101.858	11.6571	13.3347	700.196	0
85.9136	-99999	103.504	11.5636	13.3541	689.631	0
84.025	-99999	100.518	11.4526	13.2497	671.616	0
87.6977	-99999	99.8156	11.3686	13.0496	650.733	0
90.7596	-99999	98.8748	11.2963	12.738	627.392	0
89.0651	-99999	96.4316	11.265	12.3364	623.321	0
90.4357	-99999	93.8122	11.2325	11.8602	626.85	0
89.0679	-99999	89.3948	11.1435	11.3371	624.339	0
86.6651	-99999	83.7035	11.0123	10.8254	605.167	0
81.0195	-99999	80.2745	10.8141	10.3549	594.601	0
77.1186	-99999	77.5877	10.5309	9.93695	601.367	0
78.2185	-99999	77.4353	10.2549	9.5637	618.597	0
79.235	-99999	78.1451	9.95437	9.21702	627.638	0
78.1166	-99999	76.5627	9.66521	8.89495	631.108	0
84.6705	-99999	76.9853	9.37263	8.60698	619.024	0
82.3617	-99999	78.1524	9.13328	8.3563	613.06	0
77.0968	-99999	80.8485	8.91904	8.14565	605.478	0
77.7445	-99999	87.4752	8.75746	7.99977	631.268	0
77.3599	-99999	89.8695	8.66665	7.93365	650.999	0
77.3693	-99999	91.8694	8.65769	7.93429	630.648	0
73.2217	-99999	92.8045	8.68322	7.96686	612.099	0
71.712	-99999	92.5178	8.70016	8.00091	621.246	0
72.007	-99999	92.2457	8.7628	8.02545	610.857	0
75.5438	-99999	89.9835	8.80837	8.03412	622.523	0
78.5677	-99999	90.4944	8.83035	8.02831	615.735	0
82.2329	-99999	89.2469	8.8559	8.0126	614.62	0
81.6207	-99999	82.8284	8.86723	7.99122	592.643	0
84.5351	-99999	85.3125	8.86326	7.9578	577.625	0
87.6931	-99999	89.0046	8.85749	7.91707	604.22	0
91.7179	-99999	90.3614	8.8484	7.87087	603.663	0
91.6067	-99999	89.9929	8.8612	7.84779	596.333	0
89.7998	-99999	91.4113	8.87326	7.84936	614.743	0
86.8306	-99999	94.2595	8.9071	7.87766	619.96	0
85.6507	-99999	94.2356	8.97357	7.9462	630.172	0
86.755	-99999	95.7297	9.04571	8.04295	643.717	0

87.0013	-99999	97.4214	9.12805	8.1583	632.522	0
91.1106	-99999	93.662	9.23242	8.28091	645.609	0
88.0334	-99999	89.5264	9.3454	8.4053	641.559	0
85.2872	-99999	89.9242	9.464	8.52603	657.085	0
85.2502	-99999	90.5342	9.57888	8.62691	661.682	0
85.6569	-99999	87.0818	9.6906	8.72813	667.612	0
83.1659	-99999	85.7833	9.82771	8.83019	679.638	0
82.117	-99999	85.2352	9.97409	8.90946	685.706	0
82.3151	-99999	85.4689	10.1393	8.95237	689.89	0
82.2183	-99999	82.8372	10.3261	8.96376	700.182	0
82.1412	-99999	82.0051	10.5117	8.94636	692.177	0
84.6069	-99999	78.3015	10.7049	8.89162	684.27	0
85.5315	-99999	76.9133	10.8835	8.81082	678.599	0
85.3161	-99999	73.7882	11.057	8.70129	707.635	0
84.3332	-99999	73.3679	11.2138	8.54934	704.769	0
82.0799	-99999	72.5231	11.3162	8.34905	701.192	0
80.3856	-99999	73.687	11.3754	8.12234	703.278	0
82.011	-99999	73.9738	11.3905	7.90432	698.024	0
83.6174	-99999	76.8154	11.3665	7.71269	702.556	0
81.151	-99999	74.5321	11.3256	7.5663	717.399	0
81.4598	-99999	76.1737	11.3202	7.48534	747.506	0
82.0395	-99999	74.4061	11.3721	7.46339	761.897	0
81.4884	-99999	77.3159	11.4796	7.4937	751.184	0
82.9586	-99999	82.9436	11.678	7.5857	760.246	0
86.9244	-99999	83.9285	11.9483	7.77118	766.839	0
89.8697	-99999	83.7982	12.2946	8.04083	767.559	0
87.6789	-99999	80.0414	12.6754	8.39668	767.066	0
86.808	-99999	81.5509	13.1018	8.82004	765.971	0
90.2818	-99999	84.1403	13.5356	9.28602	768.161	0
89.3677	-99999	85.9382	13.9112	9.82615	755.518	0
88.4935	-99999	86.8932	14.2814	10.4588	741.142	0
89.9908	-99999	85.2875	14.5939	11.207	733.892	0
89.2541	-99999	83.9645	14.9164	12.0482	727.708	0
87.5792	-99999	83.2246	15.2291	12.8929	737.55	0
86.1216	-99999	82.7442	15.5118	13.6384	748.334	0
85.3593	-99999	83.4045	15.7494	14.2314	760.667	0
84.5917	-99999	85.3761	16.0244	14.7074	767.731	0
85.7259	-99999	85.5972	16.2548	15.0533	749.497	0
86.752	-99999	87.907	16.5203	15.202	740.582	0
84.948	-99999	91.2812	16.8014	15.1233	749.918	0
82.3937	-99999	93.3104	17.0876	14.7856	755.513	0
85.3671	-99999	94.9874	17.2088	14.1761	737.7	0
83.6972	-99999	92.3734	17.3425	13.3819	721.991	0
87.5884	-99999	91.877	17.3962	12.5451	722.826	0
86.8452	-99999	90.5742	17.4349	11.7324	709.155	0
86.8666	-99999	86.2365	17.3704	10.9644	692.504	0
85.3592	-99999	86.1895	17.3132	10.2738	710.135	0

85.8073	-99999	85.9922	17.2658	9.68825	720.994	0
87.1843	-99999	86.2635	17.1719	9.24161	711.323	0
88.4336	-99999	86.4559	17.1258	9.017	707.109	0
86.2207	-99999	87.9275	17.1955	9.1855	714.052	0
87.8386	-99999	89.7928	17.2194	9.93644	699.701	0
83.0919	-99999	89.4738	17.2392	11.3582	701.715	0
91.4003	-99999	90.5743	17.0261	13.1607	701.466	0
90.1665	-99999	90.5328	16.478	14.5657	724.849	0
86.451	-99999	89.7539	15.7566	15.4134	711.513	0
88.3834	-99999	89.7163	14.8535	15.9751	707.83	0
91.3288	-99999	88.0654	13.8391	16.3293	690.663	0
90.6345	-99999	87.0198	12.6501	16.436	676.65	0
90.5522	-99999	85.6673	11.3398	16.1985	683.614	0
94.0955	-99999	88.6777	10.0471	15.5014	654.381	0
94.3448	-99999	90.7405	8.94875	14.3552	647.739	0
88.0201	-99999	90.642	8.31625	13.1987	645.817	0
91.7043	-99999	96.8054	8.18657	12.8982	624.767	0
92.2698	-99999	97.8162	8.4646	13.6379	611.773	0
88.5541	-99999	94.5154	9.1355	15.0384	597.664	0
84.8133	-99999	93.6113	10.1874	16.2733	597.453	0
85.7951	-99999	91.362	11.4453	17.0866	590.926	0
84.6705	-99999	90.231	12.7676	17.578	581.377	0
84.2901	-99999	89.4095	13.8967	17.7674	596.954	0
84.3497	-99999	87.6196	14.8084	17.6239	590.331	0
84.1978	-99999	87.6342	15.4376	17.0765	587.724	0
79.656	-99999	84.41	15.8674	16.1049	578.78	0
79.7223	-99999	82.2717	16.0936	14.5642	595.923	0
81.7093	-99999	85.3097	16.1078	12.6101	598.909	0
81.2888	-99999	85.1713	15.9807	11.1327	597.292	0
80.5057	-99999	85.7264	15.8615	10.2485	609.855	0
81.9939	-99999	83.8099	15.894	9.76619	618.719	0
83.9558	-99999	87.1514	16.1359	9.54016	630.28	0
84.8486	-99999	92.0251	16.5219	9.45127	635.661	0
86.1898	-99999	87.4296	17.0129	9.46004	645.428	0
88.4486	-99999	88.3404	17.5188	9.54753	666.213	0
88.0431	-99999	86.9448	17.9986	9.66538	661.829	0
87.6419	-99999	86.3157	18.3671	9.81437	681.256	0
88.018	-99999	88.2261	18.6064	9.9599	700.448	0
85.6521	-99999	91.8962	18.7388	10.1539	711.566	0
83.3163	-99999	90.8738	18.7788	10.3739	719.367	0
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82.9701	-99999	84.8177	18.8797	10.9198	735.107	0
84.0347	-99999	92.1445	18.9217	11.3287	751.043	0
84.5882	-99999	92.2584	18.9317	11.8784	761.553	0
85.4356	-99999	91.95	18.9232	12.5449	753.09	0
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86.067	-99999	85.5854	18.6612	14.5442	778.06	0
86.5966	-99999	89.7901	18.5322	15.0643	795.392	0
87.036	-99999	88.9691	18.3691	15.4164	803.217	0
85.9671	-99999	88.9975	18.1974	15.6358	804.768	0
85.2215	-99999	87.1447	17.9988	15.673	794.428	0
84.665	-99999	86.3887	17.7903	15.5094	787.235	0
85.5151	-99999	88.2419	17.5842	15.13	798.197	0
88.2937	-99999	86.2946	17.3751	14.6111	802.426	0
91.6238	-99999	85.9064	17.2002	14.085	797.547	0
92.493	-99999	86.854	16.9729	13.5796	781.058	0
90.5186	-99999	86.1719	16.6757	13.1373	756.906	0
89.8011	-99999	87.643	16.3011	12.8194	730.801	0
91.1129	-99999	86.35	15.8829	12.5745	691.346	0
89.6272	-99999	84.3083	15.4706	12.3653	679.024	0
88.9436	-99999	83.3524	15.0649	12.1912	675.711	0
86.9367	-99999	82.8592	14.6343	12.0992	667.504	0
86.6013	-99999	83.0473	14.312	12.0493	653.398	0
82.9952	-99999	84.2362	13.9539	11.9525	646.132	0
81.7991	-99999	87.7575	13.6061	11.775	648.613	0
82.3604	-99999	88.9666	13.2404	11.5273	659.001	0
81.28	-99999	88.3126	12.8416	11.2346	663.307	0
79.763	-99999	85.67	12.4078	10.8986	686.921	0
82.6226	-99999	82.5329	11.9816	10.5288	694.52	0
81.8756	-99999	80.7813	11.5324	10.1318	695.732	0
80.962	-99999	80.049	11.0814	9.71525	691.966	0
79.1147	-99999	79.6134	10.579	9.30942	686.006	0
80.3882	-99999	77.9845	10.1329	8.9736	652.9	0
81.4846	-99999	77.4599	9.7327	8.72659	630.234	0
79.5177	-99999	80.3278	9.4255	8.5477	623.001	0
87.4343	-99999	81.7751	9.18108	8.40652	640.607	0
87.8436	-99999	85.693	9.00969	8.30041	643.437	0
90.7041	-99999	94.1013	8.88149	8.24039	616.712	0
88.1589	-99999	98.4841	8.81549	8.2242	638.843	0
93.0967	-99999	101.578	8.79191	8.24786	635.277	0
92.8528	-99999	103.035	8.79664	8.29711	638.386	0
94.4389	-99999	103.117	8.82646	8.34878	657.76	0
93.1875	-99999	103.269	8.87321	8.36902	673.503	0
95.0871	-99999	103.328	8.9235	8.37212	649.066	0
84.636	-99999	104.026	9.01489	8.38036	620.97	0
84.5183	-99999	101.992	9.13561	8.41475	613.823	0
78.4154	-99999	95.1776	9.29438	8.46794	595.691	0
82.9479	-99999	96.429	9.49838	8.54314	578.652	0
80.398	-99999	93.7198	9.74982	8.64293	597.346	0
81.6506	-99999	93.7677	10.0553	8.77404	595.252	0
83.2752	-99999	93.8684	10.3803	8.89663	608.689	0
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86.9692	-99999	87.0244	11.4669	9.49835	652.973	0
86.0203	-99999	86.5022	11.8424	9.79454	666.133	0
88.6071	-99999	87.837	12.2371	10.1354	671.97	0
88.5718	-99999	83.5531	12.6363	10.4941	664.658	0
87.8397	-99999	87.5332	13.0371	10.8873	659.275	0
87.7886	-99999	82.9269	13.4267	11.2973	666.182	0
86.5261	-99999	83.5333	13.8374	11.7598	676.378	0
85.3044	-99999	81.1265	14.2469	12.2335	718.087	0
82.4268	-99999	84.8465	14.6496	12.6705	733.413	0
81.8255	-99999	88.3123	15.0089	13.0513	720.135	0
86.6126	-99999	90.0868	15.3359	13.3402	727.401	0
88.8903	-99999	93.0609	15.6007	13.5116	767.073	0
87.9941	-99999	90.4156	15.8362	13.5591	793.86	0
87.7515	-99999	88.1905	16.0347	13.504	811.911	0
87.6926	-99999	90.9424	16.1456	13.3386	820.561	0
91.9591	-99999	89.7703	16.1646	13.103	814.181	0
95.1451	-99999	85.8962	16.136	12.8077	792.965	0
98.7847	-99999	82.3802	16.081	12.4681	777.838	0
101.639	-99999	81.452	16.0198	12.122	776.478	0
99.0972	-99999	81.1011	15.9381	11.8086	771.83	0
96.5536	-99999	78.4015	15.8352	11.5443	754.184	0
96.5331	-99999	80.6151	15.6976	11.342	744.283	0
96.8258	-99999	84.9275	15.5837	11.1517	731.873	0
94.6193	-99999	87.1968	15.5113	10.9693	719.405	0
90.5045	-99999	92.4558	15.4661	10.7814	724.115	0
92.1909	-99999	96.8765	15.3454	10.6021	742.473	0
93.2243	-99999	99.9817	15.154	10.4382	765.29	0
88.0885	-99999	98.9866	14.9302	10.2595	775.305	0
85.3219	-99999	98.688	14.692	10.0632	772.83	0
84.0134	-99999	100.343	14.4207	9.87118	771.35	0
85.4206	-99999	102.019	14.1227	9.69526	772.461	0
86.0013	-99999	98.2533	13.7611	9.53589	789.26	0
85.0608	-99999	97.0791	13.4327	9.39908	794.091	0
86.7601	-99999	93.1582	13.1655	9.29346	779.815	0
85.9332	-99999	89.357	13.0277	9.22164	778.718	0
86.5904	-99999	87.26	12.9797	9.17953	770.988	0
90.8132	-99999	89.7222	12.8948	9.18202	780.989	0
90.6423	-99999	89.2972	12.8631	9.21449	810.789	0
91.0706	-99999	85.0471	12.8561	9.25385	823.061	0
90.2922	-99999	82.8886	12.8957	9.29365	823.195	0
90.0789	-99999	82.5955	12.9772	9.3242	820.449	0
89.2512	-99999	80.3312	13.0096	9.33887	837.015	0
83.6539	-99999	78.7368	12.9652	9.3512	844.603	0
82.1631	-99999	79.2235	12.8958	9.37605	842.718	0
78.8654	-99999	80.3884	12.8468	9.40516	840.202	0
74.5255	-99999	80.1025	12.8383	9.41422	832.625	0
73.4779	-99999	82.9757	12.7958	9.40601	838.706	0

70.4791	-99999	88.0708	12.7152	9.36521	845.824	0
68.0476	-99999	89.7375	12.598	9.30725	845.177	0
73.3986	-99999	91.2586	12.5146	9.27087	820.507	0
76.3553	-99999	93.2699	12.4016	9.26181	788.428	0
83.2862	-99999	96.2515	12.3456	9.24561	790.196	0
82.4314	-99999	96.752	12.2355	9.19802	777.404	0
86.0529	-99999	92.5638	12.0851	9.14251	778.954	0
91.663	-99999	89.5491	11.9697	9.09219	767.169	0
94.5419	-99999	89.0393	11.8265	9.04535	730.834	0
99.9585	-99999	85.5703	11.7754	9.02111	715.919	0
99.8823	-99999	85.7127	11.7077	9.00114	700.816	0
94.7788	-99999	87.5636	11.5986	8.97518	736.878	0
97.5488	-99999	86.8853	11.5281	8.95313	748.592	0
94.4388	-99999	91.3263	11.4202	8.93206	725.603	0
92.5355	-99999	90.9476	11.3325	8.92091	714.338	0
85.915	-99999	93.8979	11.2586	8.90728	703.454	0
79.8689	-99999	94.8159	11.1743	8.88718	719.58	0
78.6543	-99999	93.5849	11.0966	8.86042	719.999	0
77.8703	-99999	94.5912	11.0201	8.84274	711.476	0
80.0343	-99999	89.7215	10.9435	8.83132	736.261	0
82.2135	-99999	85.2855	10.8787	8.83085	722.585	0
80.7465	-99999	86.9141	10.8369	8.82542	715.622	0
80.0996	-99999	80.3337	10.7989	8.82017	722.638	0
80.9661	-99999	81.8116	10.7466	8.81868	749.569	0
84.6119	-99999	79.7712	10.686	8.81199	771.591	0
85.0297	-99999	83.3256	10.6351	8.81093	760.943	0
85.7213	-99999	85.165	10.5831	8.82129	769.344	0
82.5055	-99999	84.8054	10.5102	8.82068	776.332	0
79.88	-99999	87.8527	10.4417	8.80947	763.52	0
78.0868	-99999	88.6874	10.3848	8.77656	764.701	0
79.0123	-99999	88.2429	10.3018	8.74434	770.155	0
82.2244	-99999	90.4733	10.2111	8.71702	786.181	0
82.1156	-99999	94.5331	10.1393	8.68479	761.018	0
84.2068	-99999	96.969	10.0628	8.64403	740.588	0
85.9211	-99999	90.4111	9.9858	8.61661	730.493	0
85.2827	-99999	88.4841	9.92261	8.57597	719.329	0
89.4447	-99999	89.6176	9.85663	8.55077	709.229	0
91.3864	-99999	88.0624	9.79127	8.53429	708.045	0
88.9816	-99999	88.0051	9.7064	8.5445	700.152	0
86.6441	-99999	88.9921	9.63763	8.54836	690.894	0
83.9407	-99999	89.9313	9.5657	8.54392	674.996	0
81.7502	-99999	87.183	9.47917	8.52084	676.409	0
81.4367	-99999	86.1212	9.3998	8.48607	673.896	0
83.9141	-99999	84.7304	9.30788	8.43499	664.151	0
87.2921	-99999	88.2142	9.19577	8.38119	661.393	0
88.4013	-99999	88.5378	9.07636	8.33734	657.74	0
92.0237	-99999	91.5154	8.95619	8.32609	649.847	0

93.9035	-99999	93.2814	8.83804	8.31425	659.256	0
93.2577	-99999	91.3821	8.73139	8.30182	666.567	0
95.422	-99999	89.7708	8.66663	8.28952	673.267	0
98.9694	-99999	89.6596	8.61396	8.28925	672.906	0
99.0441	-99999	89.2579	8.5786	8.30529	671.49	0
98.1799	-99999	90.271	8.55297	8.34073	684.525	0
95.6259	-99999	86.7292	8.55274	8.38494	689.489	0
90.1245	-99999	86.5638	8.57631	8.41459	702.875	0
84.8107	-99999	85.5853	8.60079	8.40837	707.452	0
83.6429	-99999	84.3489	8.60587	8.35799	691.809	0
80.7301	-99999	84.4182	8.55732	8.28473	684.258	0
80.3581	-99999	82.6291	8.4811	8.20869	680.378	0
81.7664	-99999	80.0899	8.40119	8.14464	686.872	0
81.3835	-99999	79.8738	8.31997	8.07657	692.845	0
79.1309	-99999	80.6256	8.23822	8.00023	679.785	0
76.4783	-99999	79.1722	8.16118	7.92777	667.237	0
80.7929	-99999	76.848	8.07693	7.85203	650.091	0
83.6715	-99999	75.1798	8.02388	7.79628	653.443	0
84.1133	-99999	75.279	7.99416	7.78087	655.266	0
87.4234	-99999	74.3674	8.01168	7.79726	655.069	0
88.1134	-99999	74.3145	8.04535	7.82499	650.419	0
81.8697	-99999	77.0842	8.06583	7.8486	639.511	0
84.2963	-99999	77.5229	8.09252	7.87296	634.751	0
84.7648	-99999	75.7961	8.12417	7.89669	630.298	0
86.7941	-99999	76.1767	8.15955	7.91084	650.501	0
84.9602	-99999	78.6525	8.17974	7.92001	650.814	0
82.4525	-99999	81.723	8.17636	7.91468	638.754	0
81.207	-99999	80.2128	8.19634	7.8989	647.697	0
78.9171	-99999	79.8247	8.19173	7.87556	661.882	0
76.5693	-99999	78.9059	8.16189	7.85225	675.019	0
73.2459	-99999	76.6833	8.14944	7.82686	662.341	0
70.6539	-99999	77.5975	8.12044	7.80336	660.293	0
72.3856	-99999	79.1929	8.06798	7.77154	680.784	0
73.4718	-99999	83.0712	8.03006	7.74591	675.879	0
71.9758	-99999	84.8554	8.00479	7.72003	676.453	0
70.9634	-99999	82.6977	7.99016	7.7069	675.023	0
70.1841	-99999	82.9891	7.95994	7.70428	699.474	0
72.6945	-99999	83.9749	7.95994	7.70701	684.141	0
76.4938	-99999	87.4369	7.96268	7.71817	671.818	0
77.4847	-99999	89.7048	7.97479	7.72806	707.456	0
76.5365	-99999	89.8362	7.97712	7.72654	720.059	0
72.6054	-99999	92.2493	7.99769	7.73438	724.668	0
68.8744	-99999	88.6943	7.99701	7.73264	711.763	0
66.8448	-99999	84.3691	7.98981	7.72631	724.356	0
68.7931	-99999	86.1454	7.96948	7.71498	718.109	0
69.8785	-99999	89.3346	7.94175	7.69967	692.931	0
65.7493	-99999	88.6132	7.90729	7.68786	692.303	0

61.9184	-99999	83.4562	7.87158	7.6645	681.114	0
62.1757	-99999	81.6712	7.84457	7.63992	674.006	0
62.9241	-99999	80.1101	7.82166	7.62414	665.482	0
67.9866	-99999	77.8701	7.78334	7.59584	662.202	0
73.762	-99999	78.1449	7.75793	7.57279	673.949	0
77.1166	-99999	82.206	7.73009	7.55667	673.853	0
76.6759	-99999	78.7047	7.71589	7.53744	690.755	0
74.9355	-99999	77.9182	7.70846	7.51227	696.715	0
76.3247	-99999	76.371	7.69638	7.47235	699.595	0
80.2893	-99999	81.904	7.67209	7.42161	705.958	0
81.4851	-99999	82.6327	7.62519	7.37226	709.836	0
80.9324	-99999	83.8355	7.58013	7.33128	720.908	0
78.6523	-99999	86.5982	7.53224	7.30447	706.168	0
75.3415	-99999	86.9382	7.47902	7.28105	683.478	0
73.2496	-99999	82.1814	7.43119	7.26414	667.317	0
76.4583	-99999	84.4126	7.38589	7.24783	653.2	0
81.4625	-99999	84.6681	7.3416	7.24264	649.806	0
80.2782	-99999	85.1079	7.31167	7.26035	646.149	0
78.4415	-99999	83.9305	7.29703	7.31516	639.068	0
78.2259	-99999	81.9278	7.29298	7.39151	618.992	0
76.2377	-99999	84.4917	7.30884	7.47492	604.22	0
75.8518	-99999	87.1055	7.33341	7.55642	612.141	0
79.4896	-99999	87.4533	7.35362	7.6344	616.276	0
79.4956	-99999	93.4336	7.37096	7.69844	614.658	0
75.4803	-99999	89.3385	7.38498	7.75623	611.17	0
75.0444	-99999	86.2722	7.3989	7.80896	609.36	0
77.3751	-99999	87.403	7.39922	7.84404	613.488	0
78.3216	-99999	87.346	7.40067	7.85535	614.694	0
79.3735	-99999	87.5369	7.39091	7.8391	623.465	0
82.781	-99999	82.8429	7.36759	7.80257	626.12	0
86.1877	-99999	79.3423	7.33978	7.75228	626.937	0
86.0138	-99999	80.6475	7.32785	7.69664	629.518	0
90.5959	-99999	79.3081	7.31718	7.64515	635.98	0
91.7385	-99999	83.2078	7.30692	7.59705	644.691	0
91.3876	-99999	83.3063	7.29522	7.54839	657.575	0
90.6852	-99999	80.788	7.29544	7.49872	662.536	0
90.4857	-99999	80.3777	7.29111	7.44998	671.055	0
90.9331	-99999	82.6595	7.30292	7.41215	671.944	0
90.4875	-99999	85.1052	7.32445	7.38714	668.953	0
83.6322	-99999	84.9324	7.36309	7.3749	660.4	0
81.5705	-99999	82.3685	7.39663	7.36984	672.472	0
76.5095	-99999	83.7814	7.45678	7.36983	683.546	0
74.0382	-99999	87.1848	7.51212	7.37829	677.585	0
72.2965	-99999	91.2923	7.57211	7.39863	664.836	0
69.2894	-99999	95.0482	7.64472	7.43112	682.485	0
69.9026	-99999	93.3459	7.72516	7.47951	700.361	0
70.2085	-99999	91.6009	7.8191	7.53999	688.384	0

67.1643	-99999	90.6715	7.93114	7.6096	686.663	0
71.161	-99999	87.4396	8.02592	7.67132	700.591	0
69.3651	-99999	87.6908	8.15376	7.73143	705.519	0
68.6538	-99999	83.9723	8.24897	7.80264	683.681	0
70.7509	-99999	77.7112	8.37634	7.88034	688.796	0
71.9662	-99999	71.451	8.50726	7.95967	715.692	0
77.0161	-99999	67.9727	8.62627	8.0511	686.986	0
73.6256	-99999	71.352	8.74051	8.13633	678.357	0
72.5533	-99999	72.4117	8.84591	8.20681	690.76	0
74.6445	-99999	72.2622	8.94334	8.26315	675.767	0
72.444	-99999	74.3486	9.03795	8.3261	662.31	0
74.674	-99999	75.3309	9.1083	8.37351	668.089	0
74.9016	-99999	75.8828	9.18764	8.40488	673.018	0
76.2331	-99999	77.3713	9.25758	8.41438	686.293	0
73.6118	-99999	80.3917	9.33049	8.42763	644.493	0
76.8242	-99999	81.4294	9.36779	8.42672	648.258	0
76.4833	-99999	81.7405	9.39955	8.44057	618.347	0
77.3688	-99999	81.8936	9.42276	8.46672	616.774	0
76.5538	-99999	81.6025	9.44922	8.50333	632.529	0
74.645	-99999	78.9408	9.49411	8.54156	652.229	0
72.6113	-99999	82.2381	9.56207	8.60794	621.271	0
71.7636	-99999	83.9429	9.64046	8.68322	628.776	0
70.9682	-99999	86.5191	9.71169	8.7735	613.112	0
71.1957	-99999	85.8734	9.78106	8.86382	631.795	0
65.1571	-99999	83.627	9.89309	8.96081	640.416	0
67.6113	-99999	80.4992	10.0279	9.02517	667.268	0
69.5568	-99999	79.9713	10.1408	9.06553	663.393	0
71.412	-99999	84.8133	10.2224	9.07157	655.57	0
77.2325	-99999	88.5824	10.2693	9.07638	653.006	0
79.9302	-99999	81.5344	10.2905	9.08294	678.302	0
84.881	-99999	87.8616	10.29	9.09432	687.477	0
89.4272	-99999	87.8623	10.295	9.08808	694.237	0
92.6205	-99999	89.6294	10.3328	9.06793	685.628	0
95.5577	-99999	96.8513	10.3841	9.02676	681.417	0
94.3811	-99999	96.5032	10.4375	8.99372	690.27	0
96.2005	-99999	93.9266	10.5168	8.98649	706.994	0
101.321	-99999	91.2809	10.6313	9.01298	730.243	0
103.599	-99999	93.7394	10.7787	9.05492	734.806	0
107.109	-99999	95.3264	10.9424	9.08871	722.522	0
106.95	-99999	88.6469	11.0934	9.10783	721.298	0
104.245	-99999	89.1289	11.2152	9.12344	731.486	0
105.973	-99999	91.4217	11.2966	9.11896	740.625	0
107.773	-99999	85.7362	11.362	9.14581	738.607	0
107.567	-99999	86.8337	11.445	9.1726	734.717	0
103.482	-99999	88.2728	11.5375	9.19012	739.347	0
95.8928	-99999	87.1325	11.6235	9.20308	734.665	0
91.3422	-99999	85.0879	11.6665	9.20198	746.364	0

87.7336	-99999	83.1169	11.6893	9.19176	767.638	0
84.197	-99999	85.8964	11.7357	9.18457	779.977	0
82.4439	-99999	82.9575	11.7936	9.19367	803.466	0
79.0215	-99999	81.367	11.8599	9.21663	841.753	0
75.9906	-99999	82.8065	11.9161	9.21884	862.986	0
76.5844	-99999	84.458	11.9487	9.21751	856.449	0
78.9631	-99999	82.7751	11.9629	9.21827	841.433	0
80.0257	-99999	81.5697	12.0033	9.21687	838.622	0
79.1562	-99999	81.2819	12.0774	9.21577	841.781	0
77.4407	-99999	80.4363	12.1552	9.22642	855.626	0
78.5343	-99999	79.5552	12.2243	9.25446	849.974	0
79.226	-99999	79.8676	12.299	9.283	819.049	0
81.4949	-99999	78.899	12.3657	9.30655	780.396	0
82.7762	-99999	80.0521	12.3972	9.3367	765.498	0
80.8659	-99999	81.3065	12.4481	9.39687	790.105	0
77.7256	-99999	86.0895	12.4647	9.48205	805.158	0
81.6311	-99999	89.8042	12.4745	9.57604	803.831	0
83.7251	-99999	92.3097	12.48	9.67028	789.14	0
84.8814	-99999	94.9917	12.5222	9.7379	762.749	0
83.6575	-99999	94.3794	12.5517	9.77982	778.696	0
84.2432	-99999	93.6387	12.5449	9.81672	792.217	0
80.7234	-99999	91.6337	12.5304	9.85294	815.585	0
81.6615	-99999	89.8704	12.5112	9.88738	839.641	0
82.8343	-99999	90.5673	12.4659	9.89221	827.907	0
80.2276	-99999	88.213	12.4208	9.85135	829.559	0
77.3963	-99999	86.8081	12.32	9.76052	831.622	0
77.131	-99999	84.6142	12.2371	9.63564	821.123	0
78.6506	-99999	82.8374	12.0965	9.5076	808.88	0
81.8693	-99999	83.1492	12.0225	9.39039	787.813	0
80.7751	-99999	82.6302	11.9526	9.28438	767.476	0
82.901	-99999	84.0223	11.9145	9.18591	722.437	0
83.4905	-99999	86.0246	11.9117	9.08444	681.173	0
83.6977	-99999	84.0247	11.8828	8.98714	676.278	0
91.0392	-99999	84.7642	11.8691	8.893	672.692	0
91.6015	-99999	85.324	11.8585	8.82131	668.668	0
93.8136	-99999	89.9468	11.8181	8.76813	678.649	0
91.3363	-99999	92.6238	11.8138	8.71784	686.557	0
92.4591	-99999	90.5265	11.7886	8.68402	689.173	0
89.244	-99999	91.3088	11.7551	8.66694	704.204	0
87.6722	-99999	94.9773	11.6678	8.70185	720.459	0
86.1413	-99999	90.2754	11.6028	8.80782	716.708	0
85.7192	-99999	94.7785	11.5743	8.97347	714.121	0
85.988	-99999	94.2796	11.5695	9.21813	707.564	0
88.2777	-99999	92.4012	11.5927	9.4941	704.075	0
86.8134	-99999	88.1847	11.6514	9.80455	724.174	0
88.3514	-99999	83.0487	11.6859	10.1419	716.481	0
87.8603	-99999	87.3459	11.6906	10.5014	702.279	0

95.6544	-99999	86.047	11.7221	10.8777	697.106	0
101.055	-99999	85.217	11.7619	11.2005	704.624	0
104.803	-99999	89.4943	11.7869	11.3908	701.784	0
103.568	-99999	85.2201	11.7975	11.4683	689.295	0
98.7668	-99999	83.3496	11.7739	11.417	694.335	0
96.8814	-99999	83.7781	11.6944	11.3047	680.789	0
99.6225	-99999	87.4047	11.562	11.1456	664.266	0
102.162	-99999	91.2331	11.4181	10.9541	666.803	0
102.455	-99999	88.143	11.2878	10.685	668.382	0
100.194	-99999	93.9521	11.1681	10.3443	669.466	0
98.2156	-99999	88.2275	11.0472	9.97132	675.562	0
96.4722	-99999	84.2247	10.8949	9.63415	699.234	0
98.3014	-99999	83.1514	10.7223	9.3541	699.266	0
101.011	-99999	87.1636	10.5524	9.17974	692.755	0
99.5035	-99999	89.4625	10.3993	9.06616	694.441	0
94.4752	-99999	85.4335	10.2551	8.98271	703.142	0
90.3024	-99999	86.2648	10.1105	8.89239	699.923	0
88.0537	-99999	87.1599	9.95878	8.80594	695.031	0
85.7123	-99999	86.6045	9.79752	8.73657	690.718	0
83.0627	-99999	90.6947	9.64285	8.70724	676.899	0
82.3976	-99999	89.9381	9.51336	8.71873	668.671	0
78.9024	-99999	87.9983	9.41198	8.737	677.715	0
76.0096	-99999	84.5989	9.34315	8.7318	686.465	0
76.7498	-99999	81.0872	9.28165	8.71731	679.06	0
79.4819	-99999	76.4055	9.21271	8.68266	670.885	0
81.8236	-99999	71.2539	9.12565	8.64851	678.82	0
81.2479	-99999	70.8532	9.0268	8.62657	682.573	0
78.811	-99999	66.4537	8.92588	8.61518	689.758	0
80.3264	-99999	64.401	8.82106	8.59894	712.286	0
82.0073	-99999	67.0695	8.70144	8.55019	716.716	0
86.9788	-99999	67.7716	8.56867	8.46846	707.99	0
90.4612	-99999	69.1544	8.40887	8.35632	710.425	0
91.84	-99999	69.8738	8.24689	8.22703	717.807	0
90.2421	-99999	74.1842	8.11266	8.11383	699.292	0
90.0589	-99999	78.2993	7.99509	8.02113	684.722	0
91.5575	-99999	78.1547	7.87706	7.93127	690.406	0
94.1124	-99999	79.7843	7.76291	7.83367	687.765	0
94.4553	-99999	82.9514	7.66481	7.72904	675.625	0
94.5389	-99999	84.5556	7.56651	7.63477	655.134	0
91.3102	-99999	84.0234	7.48577	7.5545	664.596	0
89.332	-99999	84.1243	7.41904	7.48445	649.356	0
88.3488	-99999	87.9573	7.37218	7.42659	642.993	0
89.7493	-99999	89.4312	7.32125	7.38432	662.491	0
89.6351	-99999	88.5985	7.28504	7.35483	682.133	0
89.629	-99999	90.8003	7.2595	7.33379	685.279	0
91.2831	-99999	89.4558	7.23465	7.31025	661.807	0
89.372	-99999	83.9471	7.21265	7.28575	628.918	0

89.1203	-99999	85.2471	7.20015	7.26461	643.218	0
95.1911	-99999	87.9301	7.18874	7.26081	627.534	0
94.3233	-99999	85.6397	7.19315	7.27762	651.093	0
98.3183	-99999	81.7582	7.20406	7.31041	644.407	0
95.1063	-99999	80.5064	7.23942	7.3413	646.776	0
94.9713	-99999	82.6737	7.28223	7.37444	634.744	0
93.3807	-99999	82.4775	7.34048	7.42096	603.477	0
93.4516	-99999	84.6429	7.40845	7.48533	620.29	0
94.123	-99999	86.8706	7.48205	7.57349	652.087	0
94.0695	-99999	87.3846	7.56614	7.67593	658.86	0
92.9745	-99999	91.7169	7.64395	7.77964	690.703	0
90.3913	-99999	97.9596	7.71708	7.87715	684.899	0
88.2721	-99999	99.0693	7.77611	7.94588	721.495	0
90.5801	-99999	99.5239	7.81962	7.98345	714.292	0
91.6378	-99999	100.708	7.87265	7.99798	727.826	0
90.5886	-99999	103.205	7.9149	7.99876	755.367	0
89.8334	-99999	104.758	7.95847	7.98692	761.21	0
90.5766	-99999	105.136	8.01111	7.93653	767.243	0
87.2265	-99999	99.9542	8.08294	7.8584	757.588	0
85.2985	-99999	95.7244	8.16859	7.75527	733.667	0
87.1899	-99999	92.7622	8.25918	7.64298	738.568	0
86.0692	-99999	97.3973	8.33762	7.53817	709.829	0
84.1647	-99999	96.5441	8.41099	7.44398	718.145	0
83.9265	-99999	91.5178	8.46985	7.35012	721.393	0
82.5627	-99999	86.4487	8.51846	7.25012	711.9	0
80.7487	-99999	85.4522	8.53976	7.13789	704.013	0
79.6208	-99999	87.7905	8.50712	7.03478	701.597	0
80.8381	-99999	90.493	8.42545	6.95986	712.805	0
79.6139	-99999	92.7084	8.30639	6.92543	705.421	0
80.5041	-99999	96.1725	8.18281	6.92102	703.063	0
79.1787	-99999	93.7887	8.08339	6.95011	728.37	0
81.1859	-99999	96.2343	8.00677	7.03311	741.931	0
83.0183	-99999	102.407	7.94743	7.1877	744.278	0
87.1419	-99999	107.003	7.91481	7.40701	766.122	0
88.6709	-99999	108.814	7.93638	7.70249	779.395	0
89.4297	-99999	109.478	8.00968	8.0443	773.038	0
90.0666	-99999	108.046	8.11317	8.39691	780.568	0
89.3761	-99999	101.927	8.23103	8.74005	793.107	0
90.8528	-99999	95.8773	8.33881	9.05375	800.281	0
92.8828	-99999	93.4731	8.42257	9.31044	791.897	0
93.2562	-99999	94.1185	8.47685	9.49431	770.269	0
93.6631	-99999	88.0505	8.50958	9.58073	746.758	0
92.7975	-99999	86.5044	8.49904	9.5613	723.499	0
92.8659	-99999	85.7541	8.41989	9.42766	726.308	0
94.6123	-99999	80.7324	8.28234	9.20609	731.088	0
97.8742	-99999	82.8872	8.11715	8.91909	726.013	0
101.588	-99999	84.1969	7.93566	8.58923	721.632	0

100.729	-99999	85.6904	7.7562	8.25313	718.901	0
99.9071	-99999	82.0055	7.57558	7.93981	714.57	0
97.6626	-99999	75.7244	7.39674	7.65321	709.199	0
95.5421	-99999	75.7752	7.22144	7.40514	713.352	0
94.1904	-99999	77.1268	7.07106	7.20915	710.492	0
96.117	-99999	76.4405	6.95714	7.07363	697.798	0
94.6672	-99999	78.4798	6.88523	6.99108	693.403	0
92.0146	-99999	76.4664	6.8404	6.9438	685.832	0
88.7202	-99999	78.2135	6.81471	6.92559	672.382	0
88.9811	-99999	79.9489	6.80234	6.92521	648.327	0
90.7917	-99999	83.993	6.79518	6.93659	627.815	0
96.0783	-99999	86.7139	6.80047	6.95986	620.201	0
98.2145	-99999	85.826	6.82302	6.98627	616.66	0
99.8594	-99999	85.4044	6.8391	7.01179	612.094	0
99.035	-99999	85.5959	6.87021	7.03565	620.427	0
97.8689	-99999	84.2858	6.8887	7.05543	606.63	0
98.8122	-99999	82.1202	6.91689	7.07439	622.805	0
98.3687	-99999	81.9376	6.94801	7.09382	629.561	0
94.2703	-99999	83.0862	6.97507	7.11095	622.389	0
91.0035	-99999	84.4271	6.99828	7.11899	648.725	0
89.0961	-99999	88.0069	7.00611	7.11988	650.649	0
88.673	-99999	88.7087	6.996	7.11358	643.7	0
86.3109	-99999	86.243	6.99299	7.10179	641.557	0
84.7646	-99999	87.7903	6.97901	7.0832	638.889	0
83.9347	-99999	92.4883	6.96129	7.06214	644.958	0
86.3662	-99999	95.6628	6.93499	7.04038	623.339	0
83.7333	-99999	92.3318	6.9113	7.01942	629.074	0
85.2524	-99999	88.831	6.87463	7.0023	630.748	0
91.2425	-99999	87.9803	6.85556	6.99041	623.465	0
89.7284	-99999	86.8649	6.84397	6.97255	610.854	0
88.6392	-99999	88.6706	6.83122	6.95576	623.343	0
88.2763	-99999	93.2896	6.8206	6.94507	613.278	0
91.4332	-99999	87.8351	6.80502	6.94338	615.905	0
96.4347	-99999	80.6087	6.7973	6.95016	611.784	0
92.6393	-99999	79.3475	6.79102	6.96513	598.622	0
92.9226	-99999	83.5144	6.78851	6.98063	591.222	0
94.3453	-99999	82.753	6.79777	6.99581	610.797	0
92.0336	-99999	83.4956	6.80275	7.00359	607.093	0
91.8483	-99999	82.8831	6.79773	7.02005	619.609	0
95.3583	-99999	82.3302	6.8018	7.04364	602.746	0
95.0191	-99999	80.6779	6.80014	7.06419	600.857	0
91.4587	-99999	85.8922	6.81	7.08159	600.59	0
85.1775	-99999	93.5487	6.82563	7.09145	607.835	0
84.7218	-99999	96.7102	6.83772	7.08873	639.456	0
84.6891	-99999	93.589	6.83539	7.08313	657.338	0
86.1792	-99999	94.3685	6.83683	7.0759	640.042	0
86.0689	-99999	91.0736	6.83929	7.07765	651.406	0

83.865	-99999	92.0747	6.85366	7.07968	668.878	0
85.5213	-99999	94.5527	6.86852	7.0768	688.957	0
88.1637	-99999	92.8089	6.88271	7.07423	714.052	0
90.0114	-99999	93.695	6.89131	7.06506	693.939	0
93.9138	-99999	89.7505	6.89192	7.06001	684.857	0
98.3802	-99999	86.6852	6.8936	7.07065	671.203	0
101.665	-99999	86.204	6.90545	7.0772	651.713	0
100.652	-99999	88.4756	6.91365	7.08652	673.537	0
101.663	-99999	90.3791	6.92186	7.09438	670.351	0
103.517	-99999	90.5269	6.93017	7.09363	672.318	0
102.955	-99999	89.4365	6.94288	7.09753	667.887	0
102.728	-99999	90.9805	6.96195	7.09437	665.282	0
101.694	-99999	88.6805	6.98097	7.08708	700.248	0
101.216	-99999	87.5459	7.0116	7.07368	711.923	0
101.695	-99999	85.6182	7.05452	7.0631	719.661	0
104.002	-99999	92.5307	7.09136	7.06105	732.633	0
105.323	-99999	92.9244	7.12709	7.05769	728.815	0
104.09	-99999	94.4338	7.16438	7.05194	730.617	0
98.9157	-99999	95.7244	7.20163	7.05318	731.577	0
93.2023	-99999	97.6301	7.23456	7.05706	733.03	0
91.6723	-99999	98.915	7.26858	7.07791	723.222	0
92.7906	-99999	100.048	7.31044	7.10883	706.352	0
93.9724	-99999	104.694	7.34787	7.1444	709.625	0
92.1233	-99999	107.259	7.3817	7.17473	709.872	0
89.0044	-99999	101.245	7.42202	7.19885	697.915	0
87.6345	-99999	100.761	7.45713	7.22651	691.87	0
88.7357	-99999	97.3186	7.47923	7.25752	677.776	0
94.1418	-99999	97.724	7.49312	7.28962	667.911	0
97.688	-99999	99.1034	7.50341	7.31615	673.449	0
101.294	-99999	99.3934	7.50136	7.33637	666.465	0
100.553	-99999	98.5068	7.4977	7.35578	651.339	0
97.8131	-99999	98.4739	7.48996	7.37045	633.795	0
96.402	-99999	98.1218	7.47319	7.3742	627.718	0
96.2928	-99999	100.91	7.45911	7.3708	620.248	0
94.4453	-99999	102.336	7.44366	7.35977	621.455	0
94.9905	-99999	102.405	7.43577	7.33851	637.067	0
95.0322	-99999	101.036	7.41884	7.30518	631.989	0
98.6789	-99999	99.3234	7.40208	7.26609	610.483	0
98.9314	-99999	99.1029	7.37829	7.21575	601.792	0
99.2726	-99999	99.9925	7.33374	7.15217	621.226	0
101.931	-99999	100.639	7.28136	7.08487	641.492	0
101.65	-99999	103.387	7.22906	7.02276	651.292	0
100.564	-99999	106.4	7.15493	6.96452	665.22	0
102.888	-99999	107.406	7.09577	6.90928	665.757	0
103.034	-99999	108.972	7.02344	6.85683	659.614	0
101.906	-99999	106.258	6.9708	6.80881	663.727	0
93.5082	-99999	101.365	6.91778	6.76275	678.072	0

87.0396	-99999	101.707	6.86512	6.72612	692.389	0
86.5994	-99999	101.55	6.83456	6.69745	682.195	0
84.8098	-99999	100.439	6.80459	6.67505	684.991	0
84.6339	-99999	98.4101	6.76848	6.65148	677.997	0
85.8337	-99999	94.7343	6.74187	6.62693	693.197	0
79.6704	-99999	95.781	6.69159	6.59535	685.398	0
78.2216	-99999	98.3498	6.65846	6.56323	670.202	0
76.2375	86.7348	102.042	6.60599	6.53394	664.496	0
78.2678	84.8199	104.444	6.55032	6.50127	668.311	0
83.7231	84.5825	102.727	6.50229	6.46314	661.418	0
84.6108	83.5049	100.501	6.43336	6.4168	660.458	0
81.8136	81.3333	96.9651	6.3616	6.36523	645.156	0
82.947	82.6841	93.6068	6.28216	6.31227	630.736	0
84.2431	86.8741	94.145	6.19299	6.26006	613.696	0
89.7853	89.4014	94.7741	6.10662	6.21035	621.4	0
88.8884	92.056	89.7401	6.00229	6.16252	644.123	0
90.3848	94.9005	88.8318	5.90441	6.11677	644.011	0
91.2829	95.2484	84.367	5.80556	6.07362	652.916	0
87.9585	93.3596	82.4915	5.70307	6.042	680.929	0
86.6852	93.5797	83.5453	5.60919	6.02209	684.718	0
88.1986	91.8785	86.4752	5.52435	6.00884	663.856	0
90.1404	89.5248	88.1647	5.45398	6.00015	662.573	0
91.8784	90.704	85.9138	5.39762	5.9894	654.708	0
92.2683	89.6214	84.5383	5.35025	5.98355	641.094	0
93.4408	88.859	86.9816	5.31435	5.977	620.602	0
92.1652	88.1098	87.75	5.27922	5.96393	623.844	0
92.4789	88.3254	91.4595	5.24323	5.94747	606.513	0
96.3469	87.7318	97.023	5.21104	5.92037	575.294	0
99.0907	87.3542	101.709	5.17645	5.88852	554.1	0
98.8449	90.7007	103.572	5.13827	5.84861	549.435	0
94.7419	91.2918	104.369	5.09717	5.80514	551.541	0
93.8446	92.7597	106.135	5.06071	5.76728	555.401	0
92.5957	97.26	107.883	5.02627	5.72905	560.86	0
95.5295	98.2716	107.417	4.99434	5.6921	565.497	0
100.074	98.5217	108.191	4.97118	5.66755	556.481	0
100.712	97.7981	105.258	4.96208	5.65407	558.287	0
96.9894	101.721	101.216	4.96527	5.65019	570.644	0
93.1586	98.3491	97.9749	4.98096	5.65996	577.941	0
92.4026	99.6676	94.1056	5.01745	5.68216	590.774	0
93.0998	97.3236	91.7003	5.07395	5.71666	589.296	0
89.3018	89.6029	89.3036	5.14325	5.75989	580.495	0
84.518	93.1606	85.1661	5.22859	5.81412	575.848	0
79.2752	96.3272	84.3115	5.33485	5.88402	576.205	0
75.9048	96.2696	84.6515	5.45563	5.9642	591.641	0
74.9509	94.5966	89.7109	5.59042	6.05126	590.454	0
76.3886	92.3876	92.375	5.74193	6.14104	599.826	0
81.479	95.8482	90.0616	5.89586	6.23748	632.259	0

84.2765	93.1997	90.4941	6.0513	6.3297	662.249	0
84.2202	92.5062	94.4011	6.20685	6.41824	707.115	0
88.8224	96.2474	94.7565	6.35798	6.50715	730.389	0
93.9562	93.0917	93.7254	6.50214	6.59613	744.394	0
95.7137	88.8476	92.5419	6.63485	6.67702	760.626	0
93.6251	89.2356	88.0965	6.75644	6.75379	763.581	0
92.6932	90.9989	83.4143	6.86972	6.83251	772.778	696.189
91.1996	93.4254	81.3252	6.97193	6.90976	774.133	691.909
91.0813	94.9736	82.679	7.07134	6.98286	767.943	686.516
91.3417	92.5324	82.6268	7.15301	7.06162	753.575	692.78
89.7483	94.5007	81.5055	7.23249	7.14635	749.152	678.325
89.7618	91.0209	84.5517	7.31394	7.23283	739.638	674.696
90.4011	88.2638	85.4667	7.39057	7.32131	747.296	671.29
89.1551	89.3718	84.6959	7.45609	7.41624	761.78	673.145
89.1329	87.2503	84.8823	7.52706	7.51277	779.466	642.313
91.6361	91.7209	84.6725	7.58967	7.60543	781.788	649.164
91.8852	90.5617	82.9468	7.64605	7.69339	767.831	656.463
86.5268	93.0264	84.327	7.68991	7.78046	745.129	658.89
86.3224	99.2951	86.7381	7.75536	7.86455	721.974	648.172
87.5766	101.289	84.6151	7.79476	7.93871	677.768	655.423
84.9329	105.308	81.884	7.82655	8.00381	675.481	668.651
83.2611	105.419	81.1327	7.86532	8.05467	659.623	657.444
88.6572	102.777	81.8594	7.89329	8.08207	625.788	635.389
92.562	101.657	84.2635	7.91092	8.08541	605.544	645.639
87.0957	98.0437	87.7855	7.91405	8.06942	590.758	624.475
82.75	97.3774	88.6495	7.89981	8.03288	587.979	609.494
89.8401	93.0703	87.7758	7.88025	7.9831	604.863	611.863
86.755	90.5264	88.3867	7.82299	7.91878	629.303	622.846
90.2087	91.4074	86.3881	7.78085	7.85197	634.184	624.957
89.8269	90.1962	85.6219	7.72997	7.7649	632.593	624.698
91.5319	91.3149	85.7644	7.6571	7.67232	623.482	636.179
86.6233	94.6934	87.4265	7.59971	7.5812	643.189	632.586
82.9535	95.1314	83.7347	7.53825	7.49238	641.331	611.613
86.2866	93.5739	79.2238	7.47949	7.41697	647.657	607.2
87.8512	92.4444	79.7262	7.44598	7.35651	641.421	608.774
82.9773	93.9186	78.8022	7.41552	7.29333	630.509	604.866
83.7655	92.6161	79.0011	7.39652	7.24027	613.281	599.639
84.3119	91.681	83.2198	7.37649	7.18333	607.63	587.365
83.728	93.1811	83.7675	7.34492	7.14947	624.381	584.427
80.2974	93.1784	82.957	7.31725	7.12266	618.165	594.867
82.7029	91.2262	81.2033	7.28921	7.10386	610.948	611.892
87.8616	92.0917	87.9784	7.25902	7.09858	608.751	647.6
92.4967	93.9336	95.074	7.23479	7.09534	636.775	690.389
98.8695	96.5202	99.6338	7.20157	7.10121	666.508	729.472
100.029	95.2487	102.523	7.17693	7.11734	691.793	754.255
101.08	95.8294	103.736	7.15294	7.13246	733.635	794.758
100.772	94.1452	98.0378	7.14019	7.15099	772.142	846.107

102.169	94.2338	100.88	7.1441	7.1652	795.577	887.548
102.05	93.4418	108.729	7.15087	7.18281	841.195	924.969
102.069	95.5345	109.76	7.15177	7.20278	879.784	937.449
98.538	96.5714	105.736	7.14793	7.21645	911.768	953.571
96.3255	101.491	101.046	7.14527	7.22188	936.981	952.154
91.0268	103.182	107.228	7.13748	7.22385	937.25	920.263
91.1783	105.645	104.221	7.12746	7.2173	930.354	897.505
93.5433	104.763	109.285	7.11293	7.20477	914.535	852.203
95.4673	107.899	113.739	7.09038	7.19257	903.656	802.306
95.314	106.488	115.787	7.06458	7.18023	875.3	755.384
94.3309	107.635	109.386	7.04412	7.16976	838.769	709.211
91.3196	106.343	110.08	7.04094	7.15696	801.538	691.058
91.1544	103.558	111.376	7.04447	7.14345	752.248	645.553
89.3135	93.7924	112.312	7.04508	7.12686	708.802	620.639
89.354	87.7915	102.572	7.05135	7.10522	686.89	622.01
89.1262	83.2636	97.1824	7.06267	7.08839	664.137	619.032
86.6377	82.7165	92.7562	7.07226	7.07555	651.987	616.147
87.8295	82.3149	90.4836	7.08815	7.06702	658.925	616.903
91.2735	85.7275	84.3454	7.11098	7.0605	684.472	611.191
95.3088	86.6452	85.2613	7.12815	7.05375	685.387	618.398
98.7455	84.9379	84.4507	7.13936	7.05254	677.6	624.266
98.6636	86.4292	86.3277	7.15014	7.06084	674.619	632.248
101.216	85.3442	87.3299	7.17099	7.07897	662.278	640.162
103.661	93.5774	89.1917	7.19797	7.1026	658.661	632.468
104.648	95.3484	92.0456	7.2383	7.13639	665.872	630.403
102.37	93.0074	91.9421	7.28918	7.17808	654.417	641.139
99.9256	88.0559	92.8665	7.33627	7.22578	619.314	635.726
99.113	85.7476	94.0185	7.38857	7.28389	596.368	623.453
99.4416	89.1032	92.1245	7.45647	7.34551	594.922	603.028
99.699	93.0215	91.6526	7.52612	7.40998	604.649	616.167
99.8157	92.9181	88.114	7.59502	7.47291	626.602	613.74
97.5863	90.6213	82.4555	7.6486	7.53151	638.731	592.541
97.7566	83.7503	82.0546	7.70733	7.5942	655.625	603.408
99.9099	85.8949	80.7736	7.75469	7.65683	654.685	594.931
101.363	87.1057	81.9114	7.7934	7.71491	655.282	593.949
96.9726	87.2755	85.0387	7.8346	7.76008	662.39	611.888
98.0966	85.0216	88.759	7.8707	7.78963	668.524	623.544
96.8947	84.8627	91.4888	7.90098	7.81607	686.155	626.729
95.756	83.3477	89.4741	7.9373	7.83987	681.919	621.999
98.4151	86.3777	88.3541	7.95741	7.86503	662.004	633.326
97.988	91.2942	89.7739	8.00264	7.88372	671.048	636.783
96.2306	91.8334	90.3816	8.03849	7.89597	664.727	635.156
91.5162	92.1028	89.4979	8.07621	7.90971	666.038	650.281
92.9359	93.9692	88.7167	8.12105	7.92317	670.356	660.442
93.6266	93.5451	88.8759	8.14014	7.93647	671.808	662.391
84.8779	94.1509	87.637	8.18112	7.95507	668.136	661.976
83.2433	92.2105	88.5958	8.20743	7.97411	661.22	670.151

82.6527	93.4376	88.9972	8.23004	7.98875	673.086	664.767
78.3978	90.9179	89.3885	8.26671	7.99296	671.851	659.525
81.0331	87.8311	88.4607	8.27981	8.00181	652.328	660.763
78.4845	88.2864	87.2912	8.27929	8.01168	652.055	652.066
76.2418	86.8738	89.6597	8.29034	8.00748	631.084	638.376
72.7549	84.8192	89.7319	8.30211	8.00502	626.083	607.632
77.5113	85.207	87.3553	8.31871	7.99463	622.279	599.169
78.1933	83.5967	83.3369	8.31768	7.97458	617.474	604.015
78.6718	82.808	78.2306	8.3102	7.9456	601.037	591.553
77.5957	81.9831	81.1796	8.30583	7.92134	592.698	594.957
81.7166	81.4041	84.0994	8.29786	7.90936	601.498	610.514
82.8122	83.4822	87.9751	8.29126	7.90753	589.459	620.877
84.3789	85.3867	92.04	8.28458	7.90739	576.587	614.211
86.6411	88.022	93.9167	8.26802	7.93075	588.401	619.465
85.9391	90.7706	95.4351	8.26356	7.95001	589.832	636.875
83.7856	92.0371	93.9901	8.2717	7.97998	585.05	635.075
84.8482	94.8507	94.8964	8.29066	8.02328	583.037	638.885
84.1685	96.7786	101.024	8.31825	8.07214	580.292	656.051
82.0028	95.139	102.433	8.35411	8.12706	590.179	649.142
80.749	98.015	104.881	8.39382	8.18272	588.82	632.747
78.7094	99.149	104.16	8.43904	8.22939	591.036	626.898
76.8746	95.2115	98.678	8.48882	8.26753	598.837	639.663
74.7764	94.3982	90.1642	8.52461	8.2871	599.659	637.488
76.5229	92.0285	84.0237	8.55322	8.29639	603.055	638.396
76.1676	94.6475	88.2985	8.5793	8.29639	616.436	635.438
76.7726	95.1904	86.5854	8.5948	8.2961	617.022	632.074
76.5616	92.6628	78.1705	8.60854	8.2868	612.181	602.495
77.1936	94.6158	79.2401	8.61023	8.27664	608.062	593.589
75.1803	94.1565	74.4009	8.61263	8.25793	612.645	586.638
73.0022	95.3434	73.9277	8.62099	8.24467	626.093	593.678
74.4389	98.871	74.5105	8.63369	8.23942	617.31	575.168
78.1404	99.2156	77.3092	8.6522	8.23154	634.295	585.72
79.841	103.425	80.6895	8.67389	8.23903	641.871	606.201
80.7161	95.4877	81.6022	8.70626	8.26151	640.757	613.333
82.1487	94.8561	89.9991	8.74247	8.27722	642.231	608.577
86.0453	96.035	91.4638	8.78721	8.29969	638.397	632.043
88.7119	97.7096	87.894	8.85431	8.3196	626.505	639.31
89.5446	94.6189	88.8183	8.91941	8.34244	628.106	638.683
90.2057	93.2272	86.2782	8.98013	8.3624	632.379	644.262
90.0143	94.6878	86.9997	9.05401	8.3886	631.123	658.393
89.8689	91.7071	89.9962	9.12414	8.42136	607.58	656.605
88.4393	92.0976	93.7564	9.18896	8.45013	591.473	624.566
88.5768	95.7427	88.4338	9.24917	8.47921	583.289	643.563
89.4334	95.2438	85.8905	9.32103	8.50858	587.52	654.633
87.5723	96.7463	91.2507	9.3853	8.53668	613.355	663.877
87.6921	96.4247	94.1568	9.4434	8.56469	630.177	650.949
87.4117	100.084	93.9156	9.50472	8.59841	629.982	663.003

88.6793	95.121	94.6979	9.55459	8.61967	630.604	655.31
88.9387	94.1846	98.4135	9.59032	8.62313	639.389	683.379
87.0604	98.3462	96.5668	9.63633	8.62536	661.646	693.199
89.7554	92.3078	93.8998	9.67659	8.62703	671.305	724.728
93.2132	93.9919	95.2568	9.69482	8.62278	674.977	722.144
95.5866	98.8032	96.1228	9.69464	8.61846	679.068	719.629
97.2149	99.2713	90.6085	9.70326	8.61422	660.806	711.849
97.6843	96.4901	83.6304	9.69299	8.60768	656.169	707.802
100.958	95.5503	84.8952	9.70626	8.59823	650.19	715.393
99.9202	101.027	86.4245	9.71997	8.5939	653.81	707.005
99.9644	100.249	83.2267	9.74608	8.5948	664.477	670.514
102.137	98.6405	84.2059	9.77162	8.59817	665.95	639.006
98.9326	100.305	87.7015	9.8078	8.60971	658.243	619.382
95.181	96.1941	87.111	9.85583	8.62615	657.49	599.241
91.6898	89.0251	85.4833	9.91301	8.64243	646.467	600.771
89.8839	84.6631	89.5136	9.94531	8.65247	651.208	601.362
87.4525	83.445	91.7201	9.98608	8.65158	638.049	614.633
85.0546	81.3712	89.4122	9.9852	8.64928	633.642	612.396
88.4469	78.0244	87.1511	10.0052	8.64902	620.257	625.929
88.8554	76.3965	86.5888	9.98991	8.65164	591.216	624.244
89.2381	76.4699	85.5636	9.98132	8.65016	580.165	621.01
89.776	77.7094	83.5591	9.96443	8.63446	585.394	626.421
89.8609	79.3765	85.2129	9.95978	8.62031	587.236	645.882
87.8393	82.4902	84.4509	9.93039	8.61316	594.088	648.703
85.7719	87.1988	82.3943	9.91723	8.61934	596.637	661.504
87.0493	92.3897	84.274	9.90229	8.63817	622.762	658.604
91.6079	95.2131	85.8931	9.92248	8.65232	617.475	648.559
93.9073	95.1375	86.1249	9.92893	8.66314	616.812	651.592
92.3019	98.1969	86.1069	9.9571	8.67073	644.587	694.428
89.9395	101.791	82.8626	9.96957	8.67626	646.379	713.773
90.0769	104.898	80.8897	9.97425	8.67367	626.055	689.799
89.9154	105.318	83.933	9.95416	8.66834	631.542	670.045
92.7539	103.412	88.2472	9.93903	8.6469	616.484	662.718
89.9897	103.9	88.888	9.90512	8.60783	628.997	662.815
90.4427	102.358	89.3789	9.84519	8.54554	606.614	674.824
85.289	103.88	89.8341	9.76599	8.48073	632.531	680.444
83.1432	107.937	92.2439	9.66338	8.41258	658.281	675.863
86.3058	105.736	92.7758	9.55176	8.34697	641.94	669.134
87.8137	101.736	93.8369	9.44061	8.28729	639.533	680.819
90.6086	103.306	100.508	9.333	8.24208	660.452	696.631
92.5146	105.184	99.5833	9.25053	8.19789	659.101	703.65
91.8314	107.711	95.4828	9.18835	8.16325	684.451	707.639
94.0888	105.242	94.874	9.14754	8.14348	676.577	692.106
95.7176	101.289	93.4518	9.13028	8.1426	674.792	680.366
98.9056	98.6899	90.4086	9.11285	8.15601	668.258	674.81
96.1206	93.4747	91.1536	9.1157	8.17424	657.563	663.891
93.0271	90.1209	93.7238	9.12854	8.1928	661.314	645.011

92.2405	93.8613	93.5448	9.13949	8.21127	649.661	640.171
89.15	92.0419	89.6493	9.14596	8.22459	658.23	640.735
83.9156	90.194	87.6386	9.1289	8.22434	662.405	648.26
85.7048	88.6506	92.9394	9.08664	8.21943	651.47	648.38
90.3921	87.9062	94.153	9.03751	8.21065	651.765	645.094
88.9176	88.6213	94.3915	8.98131	8.20558	656.349	632.666
87.5617	89.7731	97.2168	8.92966	8.19529	652.666	626.224
90.4054	91.7092	95.7099	8.87076	8.17567	640.869	620.336
91.1712	94.7593	91.8838	8.80836	8.1478	641.043	615.416
90.859	88.0961	92.4325	8.74895	8.12059	643.834	599.184
94.2609	84.5145	90.6187	8.69286	8.09892	616.683	595.459
100.829	87.3754	85.1559	8.64313	8.08496	596.879	558.846
102.931	88.0722	85.2325	8.60003	8.07115	601.265	568.289
100.294	92.8093	88.6734	8.55958	8.05445	600.194	571.32
101.621	92.9142	88.7895	8.51811	8.02519	586.589	596.425
102.976	94.5934	87.3366	8.48103	7.98841	582.443	609.425
103.176	89.9395	89.3634	8.43075	7.95029	580.641	611.853
103.74	86.0462	88.1767	8.37982	7.91209	583.111	605.476
102.22	86.0576	86.9453	8.31945	7.86507	592.667	610.147
102.866	87.1568	94.212	8.25427	7.81698	611.268	613.275
99.9537	88.2004	99.1209	8.19553	7.76229	620.192	650.911
96.6042	87.0226	97.518	8.11951	7.69723	601.04	638.455
96.8169	83.9726	93.566	8.04388	7.63125	602.484	653.16
96.1393	88.3899	92.0129	7.96329	7.5733	602.233	639.373
96.3548	87.1976	89.7106	7.87883	7.5226	594.436	635.519
96.8956	89.8861	90.4373	7.80922	7.48404	600.417	641.773
95.1437	95.7592	95.1033	7.73478	7.45414	593.841	660.998
94.7175	93.1605	95.4539	7.65926	7.4353	591.215	656.078
92.7436	96.6351	90.141	7.5948	7.42072	594.451	633.875
94.3749	93.9611	88.6207	7.5412	7.41563	612.468	624.709
94.6124	91.2033	89.8416	7.49983	7.41918	627.132	627.073
92.9238	91.7129	91.9585	7.45483	7.4231	630.462	619.419
97.7103	91.0461	91.2095	7.41468	7.4303	643.79	614.276
99.1921	89.5323	92.193	7.36619	7.4337	660.03	599.128
96.6205	90.4268	92.8433	7.32163	7.43109	651.181	579.574
100.62	90.7454	93.1052	7.27789	7.42081	643.619	567.435
99.128	94.9678	93.9089	7.24591	7.40144	633.758	571.84
101.48	91.2849	93.5693	7.19224	7.37484	604.269	581.009
99.648	92.5283	95.4549	7.11831	7.33706	574.607	574.468
103.518	94.557	95.0675	7.04789	7.29533	578.849	582.352
104.584	95.5047	97.2505	6.97615	7.24792	568.457	598.92
100.074	93.8913	105.293	6.90531	7.19509	545.391	601.78
95.4024	97.2218	107.846	6.83446	7.13865	525.121	625.259
95.0119	100.337	106.073	6.7708	7.07355	534.713	632.248
95.9374	100.389	101.944	6.70357	7.01567	546.141	625.642
101.807	99.6321	100.139	6.63075	6.95999	540.95	629.281
95.6518	102.084	100.794	6.58794	6.90881	573.174	639.576

94.9042	101.182	98.9723	6.55239	6.87091	576.188	629.516
93.1911	99.8198	100.922	6.52632	6.84803	585.448	602.517
90.3958	102.345	100.836	6.50904	6.8321	598.519	592.203
85.945	102.935	98.1563	6.49577	6.82149	605.472	598.399
90.8009	99.7485	95.6605	6.49849	6.82312	606.96	588
91.6491	96.0502	95.352	6.5002	6.8383	586.342	589.541
87.2755	92.6417	99.9913	6.51589	6.8482	584.458	599.515
85.4055	89.3513	99.6942	6.53569	6.85234	562.983	597.634
88.5533	86.2623	96.2498	6.54177	6.88014	562.878	592.076
88.5424	87.9896	95.3819	6.53197	6.9228	560.06	607.294
85.4706	89.805	93.048	6.50904	6.96386	557.244	618.709
85.2757	86.1652	91.0464	6.4897	7.00332	545.63	605.776
88.0966	83.4165	87.7337	6.48771	7.04137	549.152	594.981
88.6342	85.7944	89.1182	6.49305	7.07846	555.491	598.824
89.7667	88.0634	91.3804	6.48541	7.10687	578.113	593.893
88.7111	92.265	87.9711	6.47611	7.13511	606.143	580.954
84.3178	95.1283	91.2539	6.47992	7.17197	634.801	584.652
81.0634	94.3622	91.3946	6.50722	7.19618	620.003	582.799
80.104	91.4457	87.4531	6.56504	7.22039	626.786	579.683
82.4185	86.0143	84.4706	6.61193	7.21537	602.202	576.404
82.2138	84.4444	87.0258	6.63163	7.19933	603.319	583.57
82.0548	85.0552	94.7205	6.64252	7.1929	608.343	587.669
79.9932	86.7696	90.8446	6.65539	7.1787	597.728	590.351
79.6872	88.5905	91.9791	6.67747	7.17163	591.099	613.046
82.6675	89.1465	95.336	6.70268	7.16822	572.936	622.563
85.2543	89.6239	91.8516	6.72719	7.16732	580.745	616.049
90.0859	92.374	96.179	6.75132	7.14163	588.756	613.014
92.1339	96.2044	102.337	6.78481	7.11089	586.526	613.426
91.9358	97.0728	104.533	6.85339	7.12163	599.398	612.341
92.6761	100.405	102.126	6.95006	7.16897	598.278	613.044
92.4699	100.379	95.0029	7.06368	7.2218	599.723	611.709
92.2901	94.0821	99.7259	7.20756	7.30559	595.526	605.434
94.3287	90.4168	95.3263	7.38222	7.40991	593.676	591.623
96.4907	85.9421	98.2909	7.59522	7.5403	603.69	602.529
98.4625	87.5319	100.4	7.84888	7.69235	602.239	620.724
97.6314	90.6378	98.1213	8.13882	7.89434	613.551	631.794
96.6465	88.3991	94.0192	8.45765	8.14046	613.145	612.772
94.703	92.2471	93.6466	8.81061	8.42094	608.292	627.77
92.3907	90.2934	92.7869	9.19461	8.70199	614.695	637.461
92.0321	92.6266	91.3854	9.59177	8.96549	622.256	634.824
93.5479	91.036	91.6689	10.0001	9.21303	632.296	652.518
95.199	92.4581	93.3845	10.3997	9.46866	619.64	657.368
95.952	94.3498	93.3292	10.7938	9.76794	611.382	662.719
94.6802	89.5675	91.0875	11.1976	10.1224	614.313	663.585
93.903	88.462	89.7956	11.6086	10.5022	594.569	677.943
100.06	86.9121	92.1468	12.0377	10.8999	590.466	680.046
106.616	86.7049	96.2775	12.4878	11.2888	607.426	672.059

108.919	89.9572	99.7325	12.9372	11.6652	617.526	654.707
110.009	89.1254	103.636	13.4147	12.0444	627.92	664.168
110.876	93.4018	106.91	13.9019	12.44	638.733	669.192
108.484	93.3287	105.029	14.3805	12.8532	653.796	678.171
105.497	95.9614	99.5295	14.8064	13.2256	659.497	666.835
104.376	99.056	102.376	15.2097	13.4978	652.592	653.309
102.686	96.184	105.539	15.5595	13.6301	668.464	628.672
99.2109	97.1224	105.508	15.8521	13.6167	674.578	633.986
94.9078	95.2689	101.126	16.0724	13.5052	664.397	633.457
92.857	93.1147	98.1642	16.2473	13.3502	650.274	649.812
93.3503	90.597	95.8456	16.3697	13.1749	634.896	655.081
91.5251	86.8003	93.144	16.4562	12.9426	631.767	635.571
87.3047	87.1417	94.6182	16.5285	12.6391	628.63	612.568
83.0248	88.1021	94.7804	16.6489	12.298	617.603	609.855
81.7727	86.9435	91.1235	16.7242	11.9732	617.131	619.142
79.6167	85.9586	87.397	16.7532	11.7022	608.982	630.769
78.638	83.2659	85.0633	16.8096	11.4782	617.357	632.492
84.4194	80.7473	83.6047	16.7918	11.2927	613.023	629.129
84.6689	83.1811	80.4258	16.7644	11.1113	621.829	620.41
83.0045	86.1539	81.4265	16.6624	10.9297	645.71	608.214
79.3286	86.5409	81.6357	16.5159	10.7525	644.664	620.191
81.0738	83.3512	79.0987	16.3381	10.5684	653.712	628.226
88.5393	81.6924	78.8007	16.1036	10.3785	662.535	623.656
90.3713	83.6446	83.6247	15.8051	10.1856	661.863	622.948
94.7463	87.9525	85.1584	15.5905	10.0147	660.589	611.692
96.9144	94.2847	85.1527	15.3155	9.88368	651.611	609.262
99.8601	95.8149	87.4603	15.1199	9.78997	645.391	609.321
106.342	92.4424	92.8075	14.9892	9.75013	659.018	611.35
106.751	93.817	90.8394	15.0165	9.76336	648.813	613.153
110.547	97.5491	88.2001	15.2275	9.83443	670.688	599.24
109.683	99.8515	90.0484	15.5685	9.96241	658.292	611.59
109.146	103.783	91.9826	15.9502	10.1186	648.292	627.672
110.09	107.744	86.394	16.556	10.2937	662.249	637.586
107.256	105.057	88.2519	17.2262	10.5027	663.206	647.857
102.56	101.364	92.9753	18.0203	10.7302	677.871	649.789
93.8421	105.53	93.2874	18.7332	10.9401	699.475	655.902
86.9273	109.562	92.9052	19.3214	11.0948	708.714	660.243
84.6625	108.524	93.5659	19.7668	11.2124	731.506	667.547
84.9458	110.033	94.983	20.0279	11.2777	718.544	670.048
83.5927	108.496	93.7599	20.2213	11.2772	736.833	657.913
80.1743	102.7	93.818	20.3452	11.2372	738.31	637.85
79.381	97.959	100.296	20.2932	11.1782	753.903	629.772
79.5466	98.5819	98.2939	20.1891	11.0828	769.314	616.171
80.3526	98.6191	94.1227	19.9892	10.9862	755.371	591.291
86.1493	95.2243	90.4627	19.8491	10.9448	746.082	579.168
88.5403	94.4357	85.2682	19.8112	10.9576	721.737	579.993
87.5422	95.8028	81.9898	19.8261	10.9755	698.498	589.323

86.8133	91.3281	83.4865	19.875	10.9825	703.418	600.94
91.0075	94.4582	81.7141	19.8477	10.9934	691.829	622.213
92.1016	93.2081	79.7982	19.8557	11.0153	692.912	639.725
91.1813	90.9496	75.8799	19.8411	11.0689	688.934	645.475
92.1718	91.1409	79.3951	19.8136	11.1436	701.226	668.984
93.9285	90.8963	79.9432	19.8187	11.2103	714.05	692.291
92.849	89.88	86.6229	19.7988	11.2467	716.306	701.407
92.6719	91.7785	90.0393	19.7704	11.2374	720.453	707.296
95.1363	89.2076	92.0549	19.7269	11.1872	718.384	716.473
98.6999	87.7431	91.8256	19.7153	11.1295	721.249	709.426
99.9388	85.4986	92.9148	19.7751	11.0905	728.517	693.902
99.4406	84.6758	94.658	19.8699	11.0638	724.024	683.081
98.9923	85.8546	93.0794	19.9858	11.0141	703.9	683.146
96.7815	83.0639	89.3306	20.0195	10.9381	679.494	692.172
92.584	88.5866	89.3283	20.0285	10.8283	667.817	695.044
92.2287	88.7017	87.6758	20.021	10.6952	671.08	699.74
94.1991	88.1118	87.067	19.908	10.564	693.065	676.313
93.7021	95.299	86.9367	19.7188	10.4487	711.393	695.292
90.4817	98.8841	86.6843	19.514	10.3555	717.417	699.511
88.0801	97.6139	87.4698	19.2706	10.2614	733.205	702.895
89.6597	105.566	87.6077	19.003	10.1726	731.822	737.104
93.2878	104.652	89.4171	18.7853	10.0921	725.818	729.538
93.9814	104.453	89.5332	18.6804	10.034	731.619	713.944
97.1511	101.252	90.6974	18.582	9.99817	739.446	711.223
100.325	99.8087	95.5836	18.5595	9.99126	737.096	702.045
99.8333	94.1667	95.9557	18.6746	10.0183	714.843	724.675
98.6194	89.2587	96.0474	18.862	10.0748	693.759	714.866
99.9136	88.804	97.939	19.061	10.1531	667.438	719.416
103.18	89.1736	99.0306	19.3106	10.2397	649.336	706.714
103.525	84.0838	97.4393	19.634	10.3154	658.642	703.907
99.8129	89.5922	96.9952	19.8553	10.3758	672.013	722.65
100.995	89.2295	95.6437	20.0637	10.4268	676.565	746.066
97.6392	87.9944	90.1509	20.3181	10.4703	668.893	749.318
94.0594	90.8048	82.7667	20.4785	10.5009	660.326	751.181
95.7474	91.5924	80.9633	20.5435	10.5254	659.599	728.464
97.6007	92.4588	77.9888	20.6017	10.5428	664.083	702.56
97.881	94.7143	76.2826	20.6504	10.5512	677.752	692.864
96.7716	95.8045	78.8961	20.7229	10.5662	681.513	680.088
98.8644	96.6649	82.2231	20.6597	10.6039	650.652	640.025
102.966	92.2806	84.8431	20.7357	10.6685	632.561	604.449
100.891	93.9462	88.7944	20.762	10.7448	611.038	585.449
97.9537	97.0568	93.7116	20.7794	10.842	594.184	575.017
97.0266	98.2925	97.3063	20.7854	10.9616	612.048	559.031
95.8342	99.3505	101.117	20.7499	11.0735	615.094	554.815
97.5678	99.5815	104.68	20.7057	11.1755	609.762	574.333
95.0915	99.5634	106.668	20.5412	11.2703	600.463	586.785
97.3106	99.6563	106.912	20.2343	11.3465	589.375	605.984

93.6299	102.896	107.516	19.9865	11.3994	618.49	633.4
97.1371	108.114	108.989	19.556	11.4111	635.637	647.28
105.033	109.434	106.532	19.1308	11.3889	659.329	655.658
109.268	106.372	104.247	18.7175	11.3319	649.197	665.412
106.297	106.355	104.453	18.4179	11.2463	631.075	665.715
108.063	106.774	105.336	18.1839	11.1562	623.737	659.265
106.813	104.23	106.914	17.9726	11.0681	643.927	642.796
105.577	102.791	105.596	17.9623	10.9838	642.98	632.954
104.429	100.237	102.164	18.0147	10.8887	636.601	607.76
105.555	98.4333	101.535	18.1064	10.7806	640.053	586.955
103.963	97.7445	101.022	18.3692	10.6694	620.168	582.331
99.5944	96.9428	107.252	18.5812	10.533	613.263	563.94
101.572	100.319	109.083	18.8207	10.3921	628.809	560.154
106.882	98.196	106.769	18.9803	10.2395	612.613	574.771
111.272	99.7926	106.492	19.1711	10.0945	599.234	580.303
113.601	102.442	103.696	19.2802	9.94166	590.398	579.201
114.798	102.543	100.768	19.279	9.79526	574.261	573.263
114.127	103.971	103.679	19.2162	9.68977	577.838	583.559
114.858	102.462	102.65	19.1458	9.61324	571.823	585.023
113.624	102.291	98.2063	18.9703	9.56179	570.241	580.173
117.24	104.569	94.726	18.8201	9.56998	584.003	581.021
117.09	100.818	98.6154	18.626	9.61082	589.89	589.36
118.021	101.28	104.582	18.5078	9.68081	597.64	586.567
114.471	98.9715	107.599	18.4171	9.7928	593.326	586.703
113.785	97.0186	112.107	18.3754	9.93438	590.875	593.21
115.509	98.0432	117.212	18.383	10.1018	607.034	617.544
117.403	99.9896	114.137	18.4565	10.2805	602.355	630.943
116.982	102.507	110.47	18.5502	10.4748	601.559	642.71
115.719	100.609	110.831	18.7029	10.6796	603.687	664.348
112.601	100.522	108.823	18.9108	10.8542	592.967	691.2
109.257	101.255	102.845	19.1586	10.9869	604.578	693.355
107.681	104.37	101.35	19.3843	11.073	607.776	699.61
106.61	105.25	98.6437	19.5805	11.1008	611.265	686.232
101.912	105.792	98.6896	19.7367	11.0899	615.276	683.11
98.7928	104.914	98.8134	19.8885	11.0249	617.501	659.67
95.9186	101.228	99.2369	19.9602	10.9097	623.122	659.835
93.5179	96.5957	101.486	19.9487	10.7491	639.107	645.698
89.9021	96.0866	104.601	19.9086	10.5359	654.89	632.672
88.2975	92.7157	105.04	19.7419	10.3192	657.896	627.31
89.7087	95.1491	104.747	19.468	10.1107	650.508	626.963
89.4027	89.176	101.506	19.1381	9.9292	654.322	628.077
88.8438	85.0839	98.7432	18.7952	9.78376	664.595	664.408
91.1395	89.1916	92.6851	18.5337	9.67059	664.562	682.767
89.3245	89.3919	89.46	18.3146	9.59538	665.353	728.014
87.602	91.5201	86.2772	18.1894	9.56392	668.887	718.566
88.5413	93.097	84.4229	18.1449	9.58108	663.347	721.696
87.8531	92.994	83.096	18.1529	9.65606	652.707	726.91

85.8444	90.9024	82.4163	18.3522	9.77637	644.62	737.642
79.482	85.6497	83.1084	18.6101	9.92766	645.917	727.186
71.0585	88.3879	82.6676	18.958	10.0925	654.472	726.348
70.9956	89.84	82.6568	19.3279	10.2442	655.941	708.233
71.2735	87.2473	84.4256	19.6537	10.3765	669.66	688.931
73.5111	87.1525	83.762	19.9741	10.4897	684.314	661.557
76.6745	85.4268	82.8628	20.2357	10.5641	689.329	666.995
78.6352	85.821	81.5858	20.376	10.601	689.204	682.909
85.7418	85.6386	84.0992	20.4953	10.6025	695.793	688.157
90.5153	89.0896	85.7059	20.489	10.5678	688.1	672.53
97.2841	91.2336	85.1337	20.5213	10.5061	683.066	673.899
102.598	91.4272	86.0253	20.429	10.4245	687.63	672.079
103.51	96.2962	85.6879	20.2645	10.331	682.723	677.98
103.691	98.0685	82.4981	20.0772	10.2284	663.106	685.482
102.526	99.1758	81.5829	19.8407	10.1338	654.475	689.578
98.6033	99.1759	86.5294	19.6069	10.0617	645.557	695.273
93.6434	98.1106	90.8876	19.4512	10.0089	647.519	685.544
90.1966	96.2533	88.6756	19.2371	9.96733	659.755	676.624
88.4514	94.7449	85.7131	19.162	9.95781	685.489	694.907
91.4411	91.4908	83.0625	19.0379	9.98316	682.16	703.315
90.1305	90.5838	82.2251	18.997	10.022	666.696	711.116
87.0546	89.4344	86.0568	19.0647	10.0884	672.515	709.733
88.1253	89.5568	93.3039	19.1741	10.175	691.932	699.667
89.4663	91.9177	98.5951	19.3324	10.259	678.353	692.171
90.1711	93.3077	99.6208	19.5595	10.3532	674.929	688.549
96.9495	91.4188	98.9483	19.8451	10.4495	664.483	697.239
98.27	89.7211	100.398	20.1314	10.539	660.163	692.797
97.334	88.2638	101.869	20.4142	10.6058	684.017	671.602
96.2067	88.1493	101.778	20.6393	10.6447	694.666	653.594
97.8229	84.2382	98.6961	20.9074	10.6781	737.601	632.497
100.717	79.1842	95.3516	21.1228	10.6806	733.51	622.833
102.317	77.0144	91.5196	21.2453	10.6603	721.123	623.534
101.167	73.5553	88.645	21.3135	10.632	723.238	636.844
103.073	71.945	85.6142	21.3605	10.5707	722.176	643.346
102.157	74.8558	83.7963	21.3266	10.4979	744.382	636.636
101.149	77.7395	82.9533	21.2314	10.4209	729.207	626.063
101.422	83.4049	85.3679	21.1514	10.3524	709.734	620.994
99.4136	89.1614	90.3136	21.1516	10.3003	703.095	621.254
100.472	93.154	97.0249	21.1468	10.2635	661.262	625.847
95.6623	93.324	98.5084	21.1335	10.2511	651.048	637.938
92.7369	94.2862	100.074	21.2405	10.2561	646.027	635.721
93.8455	96.8861	104.576	21.3705	10.281	671.113	603.725
97.3661	99.1242	108.566	21.538	10.3173	686.418	583.77
95.8131	97.9388	110.441	21.686	10.376	667.626	588.253
100.514	99.2816	115.709	21.8858	10.4619	673.526	604.344
105.468	95.4028	116.119	22.0587	10.5474	674.242	614.68
106.547	92.8488	115.77	22.1579	10.6544	676.332	620.235

107.456	92.3212	113.996	22.2558	10.7651	678.193	620.267
111.261	100.913	113.23	22.2781	10.8926	689.699	624.919
114.152	97.5427	116.071	22.2309	11.0326	689.21	627.176
111.942	94.4563	109.783	22.2246	11.1453	671.93	639.55
107.835	95.7897	104.214	22.2246	11.2478	644.509	649.546
109.917	98.1885	102.377	22.2597	11.3343	632.737	643.229
106.786	95.2454	93.4014	22.284	11.3842	627.625	642.267
101.633	98.1661	87.5501	22.2643	11.4023	619.024	644.105
100.196	96.5471	87.5871	22.1972	11.3768	612.359	642.798
99.0874	95.9349	83.5433	22.0835	11.3174	620.116	632.979
98.2377	85.1859	81.9969	22.0122	11.1891	630.551	617.067
97.5314	85.1637	75.0147	21.8526	11.0142	630.863	632.82
100.289	89.6098	76.9732	21.4728	10.8167	626.131	638.696
100.487	84.7722	80.1719	21.0112	10.6103	634.782	639.094
95.7206	83.5711	76.2798	20.4802	10.3801	639.653	650.153
95.8171	90.7982	78.4944	19.9146	10.1648	637.974	645.401
96.3331	87.4036	83.5193	19.4067	9.97581	637.688	636.463
96.1304	97.1594	81.2686	18.9036	9.81348	646.431	649.883
97.9571	94.8409	80.7308	18.5076	9.69339	655.544	666.524
96.6404	96.5555	82.1669	18.1937	9.64455	664.108	660.293
97.2794	99.0078	83.4245	18.1577	9.66467	663.715	643.414
97.9621	97.7144	81.0278	18.3353	9.74752	653.049	643.423
101.61	103.065	79.6233	18.7123	9.88149	652.304	645.146
104.573	101.416	86.2227	19.3232	10.0837	656.489	620.932
103.578	94.4606	90.3179	20.0459	10.3298	658.194	632.083
104.983	95.8767	89.6876	20.8782	10.5969	658.33	620.402
105.333	94.7964	88.3086	21.6993	10.8692	638.626	606.768
105.324	94.1081	86.9332	22.4892	11.1312	608.535	596.363
106.423	97.6646	87.8253	23.193	11.3569	585.556	603.281
104.538	100.665	90.3545	23.6765	11.5318	586.016	594.376
101.671	99.1252	92.2741	24.0898	11.65	602.052	598.679
95.5568	97.6144	93.4908	24.3776	11.7034	599.771	594.696
92.2395	101.869	92.1499	24.4018	11.7014	590.4	605.236
93.1357	103.994	90.8245	24.299	11.6472	588.144	598.502
93.308	103.827	90.9096	23.9333	11.5646	599.009	620.995
94.5371	101.841	94.8339	23.7007	11.465	626.142	631.001
92.2211	101.686	99.0717	23.3488	11.3551	637.668	634.589
87.3722	98.3228	97.8918	23.008	11.2554	650.042	637.208
90.4091	96.4209	94.1672	22.6529	11.1719	665.783	656.945
96.3889	99.1652	96.189	22.1908	11.1156	661.039	654.572
102.95	97.8817	99.8287	21.7286	11.0943	663.444	650.006
105.155	95.4167	100.947	21.3526	11.1112	683.084	654.192
107.378	100.608	100.757	20.9794	11.1566	679.962	652.933
109.25	104.823	100.622	20.7363	11.2146	674.204	640.328
105.58	106.462	100.078	20.3982	11.2845	670.512	649.521
106.142	110.089	97.5341	20.1932	11.3563	687.217	656.706
113.805	114.318	100.81	20.0584	11.4286	662.395	639.982

114.072	115.155	104.933	20.0055	11.4865	640.685	621.247
111.576	113.935	99.9693	20.0759	11.5273	638.558	620.347
110.681	116.848	96.4967	20.1452	11.542	645.95	620.53
108.591	114.859	94.4412	20.2056	11.5153	625.199	615.532
99.9776	106.351	93.3731	20.2732	11.4286	632.134	615.688
97.4916	103.854	93.2582	20.3145	11.3005	621.605	617.486
100.458	104.929	96.7144	20.2762	11.126	601.048	599.631
100.769	102.75	99.4665	20.0541	10.9112	576.59	580.541
100.219	101.238	96.5783	19.7263	10.6771	574.463	591.629
94.6365	102.054	96.8005	19.2805	10.4233	582.184	607.908
93.9292	99.479	98.7128	18.7754	10.1862	580.643	611.339
90.0642	98.0699	95.0109	18.2316	9.93972	581.959	611.978
90.2001	101.402	92.9094	17.692	9.6893	569.721	621.365
97.9093	104.545	92.5565	17.1207	9.4776	566.804	621.406
98.4957	100.138	90.4465	16.5947	9.28301	575.823	630.701
96.8971	96.4719	89.8597	16.1465	9.14563	577.242	649.154
96.4929	96.3526	90.018	15.7729	9.04037	579.563	662.812
98.5066	95.3525	91.6791	15.458	8.96292	587.212	654.388
100.135	91.9182	88.4404	15.226	8.92298	592.271	648.148
98.1907	93.0451	89.7185	15.0307	8.89465	616.278	655.802
100.197	92.0304	96.7259	14.8557	8.87924	619.156	665.652
101.521	90.6168	95.4314	14.7229	8.88024	623.448	653.818
100.562	89.3485	95.554	14.6246	8.89858	610.01	656.233
105.478	92.4606	92.2834	14.5206	8.92656	610.649	627.106
106.904	95.3717	88.8733	14.4277	8.94076	615.696	603.968
108.154	98.2242	96.1051	14.3862	8.96355	625.765	606.281
104.13	97.6877	96.9539	14.3632	8.97477	634.78	615.418
100.8	101.616	99.3261	14.3166	8.97376	638.869	616.659
101.081	101.14	97.305	14.2739	8.97302	629.105	616.718
101.84	100.464	93.9349	14.231	8.97752	624.91	603.8
105.156	100.147	94.6943	14.1848	8.98661	634.136	610.008
106.201	100.462	95.0825	14.1518	8.9949	638.502	619.039
102.86	98.8333	100.666	14.1523	9.00329	637.535	659.474
99.9468	98.3564	95.7166	14.1347	9.00861	634.697	666.747
101.75	97.5052	87.9923	14.0513	9.00409	631.885	678.732
106.184	98.5309	85.3654	13.9701	9.00234	622.597	658.331
107.54	96.3085	89.5032	13.8802	9.02086	608.268	638.28
108.001	94.1543	88.9557	13.7901	9.03565	611.576	630.614
106.325	96.9441	91.6318	13.6767	9.05953	613.243	639.416
102.395	94.2047	97.3143	13.5639	9.07773	608.31	633.781
97.7419	99.7376	97.6773	13.4621	9.09523	602.543	623.605
97.6785	102.023	99.7535	13.342	9.10092	598.713	581.609
101.101	101.453	103.216	13.2371	9.10807	598.827	593.795
100.965	97.3797	104.288	13.1873	9.12078	587.42	564.713
101.225	98.7392	104.841	13.1252	9.13586	582.346	600.38
102.801	101.2	101.554	13.0863	9.13284	579.282	607.344
103.863	101.932	104.204	13.0252	9.11454	546.19	595.881

102.89	97.3792	101.733	12.9886	9.07687	536.477	575.651
104.856	97.9677	94.6905	12.8996	9.01815	538.095	560.376
105.669	95.9126	92.7552	12.7928	8.94632	539.98	561.255
105.445	88.624	91.1086	12.6761	8.87086	530.399	557.88
103.589	88.5138	89.6918	12.5758	8.78805	524.907	539.296
103.136	89.9143	87.9649	12.4674	8.70188	544.405	546.77
101.76	86.4943	87.0698	12.3733	8.61258	560.418	539.148
99.0076	81.4723	86.0247	12.2619	8.53611	561.572	547.494
95.5899	80.0796	82.1637	12.1647	8.46927	577.163	558.864
96.0154	81.4953	81.53	12.064	8.41637	585.332	573.686
89.9844	81.1347	86.8758	12.0134	8.37628	592.658	600.412
84.7656	77.4823	87.7588	11.9395	8.33689	595.928	599.183
85.2509	81.5651	87.6558	11.8709	8.30593	599.101	617.248
86.2512	83.5426	89.5386	11.7699	8.2735	611.727	633.006
79.5478	84.6492	89.5511	11.6645	8.24968	603.494	645.1
80.7856	84.8131	89.9902	11.529	8.23794	599.246	641.982
77.9091	87.8083	94.8433	11.3861	8.23133	610.447	643.441
81.4969	90.7177	99.8019	11.266	8.22085	619.436	643.782
84.6395	92.5212	99.106	11.1637	8.19452	635.311	643.311
91.4275	92.6326	95.2884	11.0953	8.17122	644.525	654.399
99.0167	91.7003	94.9906	11.0701	8.14979	656.518	656.641
101.43	92.269	96.1556	11.0973	8.13962	666.906	683.342
98.2835	92.8072	99.034	11.1988	8.15486	676.835	699.765
102.747	90.9125	102.781	11.3657	8.17527	694.193	703.667
106.603	91.6489	107.358	11.6544	8.19188	679.216	714.357
112.671	91.6891	105.1	12.0164	8.19929	704.531	733.97
113.751	90.4981	103.819	12.3788	8.20746	697.189	758.962
110.653	91.4244	104.006	12.7302	8.22041	684.122	761.543
107.04	95.5022	105.622	13.066	8.2379	686.114	764.396
104.136	101.26	107.493	13.4233	8.2635	696.791	777.88
104.129	102.463	105.113	13.7945	8.28775	720.539	766.674
104.925	100.994	104.664	14.1686	8.30736	724.403	758.112
104.224	104.587	105.693	14.4865	8.33024	720.218	753.137
102.767	107.58	100.62	14.7259	8.37686	748.495	744.903
101.017	108.33	97.6588	15.0136	8.47527	739.289	729.698
102.153	107.013	95.3635	15.3517	8.61292	752.147	721.077
103.091	102.391	95.5653	15.8406	8.79891	759.773	729.128
100.665	96.7323	93.8036	16.3989	9.02946	757.833	732.908
96.4324	95.5164	92.7526	17.0307	9.28819	768.468	743.625
94.6969	96.9714	92.6052	17.645	9.57787	768.364	755.201
94.2016	100.612	87.3314	18.2313	9.90351	755.016	765.727
93.4954	98.3646	85.3331	18.8715	10.2267	752.078	770.073
90.7148	97.1336	88.2414	19.5276	10.4945	763.276	768.372
90.1794	96.5937	90.7231	20.0169	10.6964	775.119	768.436
87.8262	97.8045	91.0242	20.3806	10.8194	785.341	762.139
88.8982	100.433	92.2869	20.5028	10.8615	805.761	745.702
89.5258	102.842	96.0951	20.4489	10.8397	788.771	741.897

92.0537	97.673	94.4577	20.1502	10.7691	776.156	734.494
92.1371	94.73	96.7079	19.7565	10.6438	793.136	731.626
91.7055	92.2636	102.609	19.3067	10.4674	807.123	735.5
88.2736	94.4136	102.434	18.7538	10.2508	813.565	754.286
88.8944	91.3719	97.9642	18.1639	10.0326	799.456	773.444
90.4031	88.3347	96.2055	17.6455	9.81609	791.486	772.697
88.4488	90.298	96.56	17.2315	9.64391	783.979	792.286
85.9141	89.6783	93.5876	16.9626	9.51254	768.284	804.806
86.3612	89.0892	89.087	16.8789	9.41063	783.091	810.571
86.87	92.5195	88.2154	16.9701	9.3257	793.23	819.526
85.1793	89.6718	86.3232	17.1372	9.25966	781.254	819.071
84.732	89.4365	80.0035	17.3834	9.20389	783.265	807.273
87.8693	85.1091	78.999	17.6845	9.17094	798.7	811.919
89.9777	89.2041	82.7757	17.9879	9.151	815.881	804.318
92.7198	94.3099	82.6316	18.2626	9.13827	825.126	818.896
99.326	93.7883	83.9519	18.4956	9.12726	834.18	813.979
103.517	93.1095	84.9367	18.6504	9.10474	850.779	830.51
103.69	93.4445	89.6239	18.7341	9.07625	848.839	815.952
100.182	90.7336	88.4559	18.7668	9.05747	822.164	799.153
102.032	96.8183	89.9429	18.788	9.04522	811.46	797.862
103.835	95.599	89.9059	18.7416	9.05559	800.665	807.843
101.283	92.4492	90.5731	18.7446	9.10938	776.744	789.277
100.097	91.0668	87.0364	18.7788	9.19986	751.929	803.819
98.4748	91.064	87.825	18.9044	9.32006	741.396	804.427
96.2962	87.8854	88.205	19.1064	9.46636	723.339	800.776
95.6816	89.9602	88.9553	19.4113	9.62918	727.948	781.249
93.8371	90.8319	86.6282	19.8054	9.79387	734.441	802.204
94.945	88.7722	89.8439	20.2256	9.94687	739.853	809.24
95.4345	87.3224	93.3927	20.6576	10.0984	744.484	798.851
93.6896	89.6963	95.8809	21.0929	10.2268	772.301	793.22
98.5663	91.6644	95.6338	21.3363	10.3054	783.486	776.685
96.9305	89.1269	95.8242	21.6202	10.3446	800.159	762.646
95.3419	88.1166	94.628	21.6851	10.3329	802.099	749.2
92.3866	88.8848	95.1309	21.6059	10.2682	809.016	768.215
89.8303	87.4809	97.4674	21.4197	10.1579	786.624	780.178
94.4642	86.4942	99.1991	21.0895	10.0173	793.366	784.666
94.2139	91.0701	98.0086	20.8026	9.8593	811.065	812.784
96.6592	91.8321	98.2457	20.4417	9.68667	807.884	809.535
105.242	90.1332	99.268	20.0603	9.51518	788.247	834.6
102.361	92.6184	100.245	19.7869	9.3482	774.26	867.217
99.2253	94.9765	100.249	19.4326	9.18766	793.438	885.184
95.7399	96.0424	99.7602	19.2085	9.05247	806.882	893.852
92.7265	94.0991	97.7045	19.0074	8.94104	816.54	889.683
94.8891	94.7644	96.6018	18.6987	8.86044	824.107	871.736
90.2879	96.5366	99.8342	18.5074	8.80813	813.531	846.093
98.8052	93.6922	102.027	18.2472	8.7698	792.695	837.934
88.9117	92.0683	101.805	18.112	8.72318	779.072	851.687

79.9037	92.937	100.858	18.0095	8.66899	777.245	834.987
80.4886	93.7848	98.546	17.8791	8.61459	793.717	818.009
82.5756	93.0541	100.814	17.8295	8.56803	767.334	795.853
82.4472	93.7033	100.905	17.7827	8.51664	750.356	786.014
86.83	98.665	102.899	17.7464	8.46761	736.225	779.155
85.0942	100.485	102.041	17.8223	8.4156	720.545	796.922
88.5426	99.7318	97.4186	17.8446	8.34372	726.235	795.859
83.9207	99.3616	96.9951	17.8642	8.27481	747.66	767.762
91.5203	99.3921	94.672	17.8495	8.21994	753.375	752.506
90.2004	100.158	93.8339	17.8913	8.19198	754.97	740.089
91.84	98.1039	94.2054	17.9693	8.20117	760.897	733.255
91.018	98.5668	92.855	18.0875	8.23354	740.212	726.933
93.1811	100.527	96.5491	18.3031	8.29982	734.094	715.504
91.2805	98.3042	94.1341	18.6685	8.39845	737.549	702.504
96.3322	99.513	96.3893	19.0546	8.5393	748.774	698.933
93.6674	99.8022	101.538	19.5047	8.71354	729.84	706.031
91.7296	97.3086	101.079	19.9441	8.90267	717.148	701.318
89.2311	97.7772	104.755	20.3044	9.11036	705.933	700.732
91.9487	95.3582	109.446	20.5645	9.3293	679.805	702.402
92.3084	95.544	110.552	20.684	9.51108	650.707	702.033
91.8078	98.2995	106.431	20.6055	9.67238	659.748	708.71
91.1731	95.7855	101.199	20.437	9.81416	653.243	729.02
91.2885	95.2134	102.661	20.1791	9.94352	646.828	751.168
89.9172	90.6693	105.095	19.9114	10.06	643.114	749.329
92.0584	89.547	99.9119	19.6436	10.1844	657.75	748.222
92.6871	89.9694	95.1514	19.4808	10.3187	669.254	758.383
93.6451	91.3465	93.5632	19.4609	10.4724	687.023	764.934
93.1061	93.4023	93.3841	19.5238	10.6526	708.526	755.414
92.9043	91.7759	90.997	19.7243	10.872	744.552	774.906
94.1927	88.6919	91.7409	20.0205	11.0955	767.473	786.921
95.0155	88.1147	93.6963	20.3258	11.2743	791.976	784.461
94.3318	87.4152	95.3778	20.6625	11.43	816.396	796.874
91.8364	87.5542	88.5761	20.9522	11.5514	834.796	804.56
90.1172	85.8304	92.0759	21.2142	11.7016	841.154	817.452
90.6332	86.0061	88.3484	21.4196	11.9038	852.386	851.054
89.735	79.7165	84.8522	21.5643	12.1985	875.327	870.421
88.4423	77.1749	80.1474	21.6962	12.6566	885.947	907.531
86.0353	73.8596	80.9814	21.8286	13.3418	879.37	938.223
83.5404	68.0146	83.9294	21.9182	14.2176	886.181	957.376
81.0559	71.0016	82.5563	21.8288	15.3217	896.424	978.376
79.8195	68.5163	80.952	21.6034	16.6914	916.176	988.219
78.9584	71.3151	84.8359	21.2766	18.3271	948.986	1010.99
80.1961	73.0717	78.2279	20.8846	20.1189	988.588	1046.39
78.6262	72.755	78.2946	20.4813	21.9276	1009.7	1071.6
80.5442	72.1243	78.6713	20.2137	23.4679	1033.94	1096.01
79.2338	74.9104	81.5063	20.0629	24.4981	1063.77	1100.81
79.5274	80.5944	84.9306	20.098	24.8793	1078.29	1092.13

79.7845	85.6779	81.7439	20.3146	24.6729	1097.1	1095.16
79.9659	83.467	79.0562	20.7431	24.0063	1120.93	1087.81
83.1348	85.2981	74.0872	21.2865	22.9332	1119.7	1093.85
83.6941	81.4643	72.6002	21.907	21.5052	1097.52	1081.89
80.8616	81.0212	78.9503	22.4333	19.7931	1087.49	1072.89
79.2902	83.215	82.1661	23.0084	17.9455	1100.23	1054
74.4689	86.4518	83.0433	23.3441	16.1824	1082.41	1030.3
73.0411	83.4094	82.9119	23.5582	14.636	1079.9	1023.2
73.1297	80.9928	85.1915	23.5501	13.4455	1094.75	1008.23
74.6334	78.7267	87.245	23.3546	12.5972	1089.61	1017.84
75.7298	81.4639	87.6911	23.1292	11.9511	1090.41	1017.79
73.0563	87.3538	88.8065	22.8228	11.441	1100.31	1022.66
75.5453	93.7492	87.0334	22.5209	11.0198	1113.14	1045.9
76.5166	93.381	85.6812	22.2458	10.6656	1101.52	1048.35
79.1311	93.1247	84.4742	21.8794	10.3523	1088.02	1057.79
83.0209	93.7449	84.4714	21.6918	10.104	1087.92	1061.07
86.3496	95.8974	81.2274	21.5315	9.95487	1075.5	1062.33
86.0635	96.6725	77.8646	21.4006	9.87842	1083.3	1069.87
87.2949	96.3786	80.3136	21.3231	9.88323	1082.31	1042.08
84.8483	95.0382	84.7921	21.2565	9.94696	1062.66	1028.57
84.9144	91.0853	85.7837	21.1083	10.0297	1042.84	1019.05
81.1795	88.0728	83.2077	20.9888	10.1186	1055.77	1010.68
81.8752	89.0259	81.8669	20.9774	10.2138	1076.28	1007.5
83.4989	87.8458	81.5978	20.8327	10.3216	1074.36	1006.77
84.254	86.388	79.8707	20.6077	10.439	1069.14	1021.29
85.1619	85.7276	83.6092	20.3201	10.5551	1066.33	1038.53
90.4321	87.7327	81.135	20.0154	10.6646	1049.52	1060.09
87.2678	91.651	79.7507	19.7045	10.7327	1064.59	1082.71
87.1729	92.5659	77.9289	19.4337	10.7631	1091.6	1087
87.356	90.3205	78.1157	19.1654	10.7616	1114.31	1092.67
90.8398	88.0609	80.2599	18.9457	10.735	1147.92	1108.38
89.411	87.5824	86.5062	18.7079	10.6903	1164.75	1095.17
82.1189	87.8214	89.0606	18.5206	10.6236	1156.43	1078.81
80.8834	88.885	90.6513	18.3075	10.5141	1159.32	1076.68
80.3994	88.1726	85.5673	18.1167	10.376	1192.77	1071.78
80.0141	85.8843	84.924	17.8554	10.1933	1221.33	1064.3
84.0591	82.474	83.0859	17.5393	9.99103	1221.33	1076.88
84.0486	81.3133	84.2583	17.1587	9.77228	1210.47	1087.73
81.7614	81.9188	86.555	16.7792	9.55502	1200.02	1087.45
78.8016	84.0386	86.4101	16.3118	9.34608	1175.28	1074.79
80.3363	82.5827	81.5005	15.8099	9.14173	1159.64	1079.87
87.0291	82.4583	84.6879	15.2997	8.96939	1159.81	1088.36
85.8907	81.515	86.1902	14.7668	8.83997	1175.62	1080.11
82.4147	82.8249	86.8309	14.23	8.74586	1137.21	1045.9
81.2639	82.5667	90.6455	13.7377	8.70921	1089.33	1023.08
83.2844	84.8967	91.8478	13.2771	8.71926	1071.62	997.685
86.1178	83.4642	92.4824	12.8435	8.77899	1047.47	977.721

89.9216	86.4605	92.5175	12.4683	8.88511	1019.41	936
95.0779	88.3588	95.1739	12.1379	9.03753	979.328	902.577
93.7549	93.0258	92.3158	11.8437	9.21268	956.308	885.195
90.896	95.9999	90.0186	11.5895	9.39667	938.218	844.186
94.0656	99.4537	87.5013	11.3581	9.55325	890.171	819.29
97.5814	98.3976	90.9665	11.1321	9.67879	860.823	785.312
97.5178	97.2666	91.0775	10.8934	9.74155	830.478	766.825
96.8042	98.8073	92.3448	10.6391	9.72554	784.586	749.539
97.2418	96.9083	90.8889	10.3427	9.62969	748.815	713.033
95.7187	95.9972	90.0744	9.99581	9.45436	717.648	688.789
93.9362	96.2392	89.9829	9.60453	9.20994	685.667	673.744
96.356	98.0037	93.5397	9.16571	8.90433	646.481	670.069
98.4674	97.3708	93.1395	8.71816	8.55379	631.608	652.605
96.3248	94.5865	90.6841	8.27285	8.18948	623.122	656.059
93.5811	97.3542	91.2394	7.84727	7.82261	612.71	676.051
89.7268	101.313	95.4222	7.45584	7.47748	631.488	669.306
88.9596	95.0927	97.1555	7.10382	7.17436	655.518	656.576
89.283	97.2078	100.659	6.80752	6.91565	652.586	678.53
86.9084	97.9703	101.645	6.5832	6.70607	665.979	686.994
85.1625	97.1126	100.138	6.41709	6.53754	687.821	705.657
84.8157	94.5701	98.3103	6.30305	6.4104	711.511	690.682
84.3219	94.3034	100.163	6.21919	6.31683	724.348	715.011
85.0091	93.9672	103.564	6.15517	6.25631	743.629	707.583
87.4579	92.1775	102.461	6.12157	6.21774	765.243	714.043
89.1252	86.9092	99.3073	6.10331	6.20161	759.211	753.976
86.1263	88.8075	96.3355	6.11926	6.21544	758.332	778.244
89.5145	95.2797	92.1106	6.15153	6.25084	780.117	788.639
92.7248	93.0362	89.8194	6.20686	6.29858	766.832	806.989
93.1417	94.4709	88.4719	6.28582	6.36577	770.333	815.946
93.9447	98.27	89.1299	6.39838	6.45395	756.983	848.311
97.327	99.938	88.0656	6.53644	6.55278	760.986	851.857
100.083	99.7296	87.3588	6.68736	6.6535	776.123	864.874
101.278	101.184	88.6417	6.85437	6.75337	777.105	863.469
104.89	104.405	90.4282	7.01932	6.84587	772.936	838.746
111.582	102.711	89.4071	7.16822	6.9241	771.74	834.49
107.564	98.3953	89.4588	7.2945	6.98181	776.126	834.053
107.376	95.9952	91.2366	7.3881	7.02476	781.25	828.544
110.138	92.7815	90.0686	7.45263	7.04672	783.013	816.684
109.251	90.393	88.5687	7.48406	7.05039	785.509	816.849
105.332	89.6311	88.7968	7.47781	7.04005	757.329	816.997
104.431	89.348	87.4357	7.45392	7.01771	752.056	818.66
104.648	88.2904	82.2766	7.40867	6.9893	733.73	818.801
101.916	89.262	84.619	7.36911	6.95581	738.7	822.302
97.1271	91.539	89.4521	7.33089	6.92694	733.123	818.146
97.1227	95.0523	89.2759	7.31027	6.9165	733.939	812.111
97.5906	98.1989	89.4519	7.28938	6.92017	743.718	813.994
95.7906	97.5776	91.6685	7.29517	6.94049	725.352	819.892

93.667	93.6584	93.5296	7.32317	6.97139	733.913	820.255
94.7622	92.6559	92.0085	7.363	7.00108	764.684	828.169
95.3188	97.3491	94.6616	7.41444	7.02668	745.48	839.044
92.4485	100.718	93.972	7.46228	7.04881	756.497	863.86
90.7003	102.476	90.7248	7.50702	7.07229	755.496	877.901
90.1448	100.51	86.7774	7.54563	7.08362	762.033	883.91
89.8739	95.0311	86.0209	7.58478	7.08402	766.768	889.739
91.1564	93.8471	90.1355	7.62851	7.06926	787.315	878.13
91.592	97.8144	89.7463	7.6537	7.03391	796.496	866.385
96.1269	103.104	89.7617	7.66145	6.98044	786.535	850.007
92.9695	105.048	90.647	7.66653	6.9337	786.521	828.955
91.4477	102.764	90.3482	7.64918	6.89834	793.196	811.732
93.6374	101.262	91.121	7.6118	6.87885	801.435	779.035
98.0597	97.644	89.9459	7.57215	6.86561	801.967	763.452
97.3072	98.2439	92.7798	7.53403	6.85406	793.439	772.442
94.2083	105.002	95.848	7.49412	6.82592	773.706	765.204
90.8242	106.436	93.2952	7.44402	6.80498	749.99	757.214
85.5746	104.229	97.3197	7.3839	6.8201	737.124	744.038
82.7664	101.339	91.9934	7.3186	6.89001	723.249	743.053
84.0195	99.067	92.1214	7.26742	7.00179	704.191	741.499
82.6958	100.022	94.0486	7.25032	7.13522	699.447	737.099
77.9181	97.9071	100.518	7.27653	7.27677	671.438	725.291
71.6919	99.0548	99.3454	7.32308	7.41262	659.778	718.687
71.9458	98.7077	98.0344	7.37659	7.55336	683.487	694.314
76.9486	95.506	99.2354	7.43978	7.71421	690.811	694.981
82.3662	95.7037	101.185	7.51788	7.89712	694.371	696.066
88.8775	93.9648	102.267	7.62538	8.07945	715.247	688.295
89.6606	96.787	107.498	7.7433	8.21974	727.682	668.486
90.2571	96.5918	110.762	7.83296	8.28192	736.441	662.887
92.0502	93.4508	109.716	7.88526	8.27142	748.252	639.092
96.1557	94.1059	105.665	7.89012	8.21157	770.461	638.272
100.514	95.0055	102.855	7.87025	8.14467	772.155	638.284
98.746	95.4755	107.268	7.84018	8.08562	742.015	639.964
97.7902	96.3698	107.675	7.80554	8.03187	718.382	642.156
95.2066	95.4744	101.001	7.78588	7.97388	698.452	643.745
88.793	97.5149	94.9701	7.76502	7.90568	686.407	646.51
85.2697	97.0698	92.7808	7.75495	7.82959	691.401	668.207
82.5868	97.0763	86.6585	7.77948	7.77229	689.522	683.748
85.3522	95.029	83.6338	7.85941	7.75041	692.191	708.731
86.5884	93.9921	81.8383	7.98498	7.76497	696.611	743.769
88.0537	94.6326	81.002	8.16304	7.79304	697.272	759.813
89.4051	94.9234	75.9189	8.39699	7.81606	721.17	771.61
87.0549	92.1259	72.9498	8.71009	7.81707	760.33	783.763
87.2684	90.0425	74.7179	9.08146	7.78516	783.569	824.51
88.2503	90.7168	75.6985	9.50502	7.73299	784.824	844.782
94.5279	85.879	75.0963	9.93448	7.68999	779.622	853.213
99.8444	83.5614	78.1215	10.3499	7.65466	776.207	853.823

98.9	85.3613	77.9393	10.7448	7.60677	773.299	866.509
97.5108	89.3342	78.8805	11.1642	7.53059	781.369	858.788
95.4561	89.5905	80.8372	11.6166	7.42263	796.79	858.01
98.8662	88.3948	81.6118	12.0546	7.2946	794.501	863.252
100.025	91.3745	80.7863	12.3909	7.17608	806.178	858.696
102.389	92.8348	83.7716	12.6448	7.13542	818.72	864.514
105.569	93.0859	88.2486	12.7887	7.25896	824.407	876.795
102.653	97.0225	91.1637	12.8951	7.56919	846.149	876.63
101.821	99.8474	94.9556	13.0817	8.00103	857.732	903.129
103.065	101.042	97.801	13.4718	8.47396	862.559	921.067
103.546	98.2983	97.6767	13.9324	8.99296	882.661	911.441
103.967	96.9884	97.3908	14.2991	9.65461	882.492	906.437
103.151	96.9183	101.957	14.6796	10.6028	886.519	912.762
107.48	96.4222	105.345	15.0129	12.0139	847.932	921.173
104.582	95.7492	99.9847	15.3251	13.7752	840.383	901.631
105.831	94.6704	96.726	15.5229	15.6026	844.15	903.413
101.828	93.8269	96.6387	15.8801	17.1386	820.262	901.809
100.164	94.7557	95.8702	16.3287	18.0633	838.787	886.004
96.2306	98.1806	97.2418	16.6617	18.4699	833.325	883.853
94.8208	101.443	99.8555	16.8853	18.615	808.193	912.921
101.789	101.778	100.679	17.1191	18.5798	804.783	919.743
98.3337	105.228	97.6661	17.3488	18.2473	800.553	925.048
93.2337	105.64	97.7547	17.591	17.3376	827.061	928.348
93.0548	106.792	98.8185	17.911	15.8803	844.881	933.531
91.2202	108.8	100.183	18.2362	14.0972	852.987	944.341
90.0193	110.32	97.1768	18.3048	12.4203	887.227	960.265
89.8685	110.727	96.2796	18.0583	11.2709	911.726	958.402
86.4104	103.157	95.0422	17.5971	10.5691	916.3	950.014
84.0071	98.9102	96.6142	17.1391	10.0395	921.018	953.765
79.5879	96.8163	97.8212	16.7271	9.55102	940.068	958.966
77.3517	90.9995	98.4422	16.397	9.0704	968.841	952.638
81.301	87.5507	99.2748	16.1488	8.71127	947.47	958.62
85.8224	85.5536	100.848	15.9947	8.52695	928.743	959.071
88.5005	82.2515	98.75	16.0706	8.48854	931.467	938.563
93.3812	79.946	101.01	16.349	8.56241	894.414	914.462
95.6879	78.0521	105.738	16.8408	8.70353	843.855	893.358
101.561	81.3114	108.779	17.4535	8.89556	851.052	889.796
101.411	82.1515	105.967	18.1248	9.1396	834.865	875.341
101.355	81.7582	105.674	18.7344	9.36719	825.983	886.247
101.014	81.8447	108.938	19.2474	9.6099	814.415	889.151
97.8624	85.2493	108.904	19.6706	9.80857	842.56	875.255
97.9791	85.1969	113.182	19.9361	9.99517	866.256	883.234
98.1907	84.3163	111.398	20.1026	10.1364	870.807	888.273
98.5818	85.93	108.787	20.128	10.1956	879.747	914.711
98.6134	89.5361	102.856	19.9808	10.2289	900.24	941.076
100.955	93.0996	102.716	19.7404	10.2475	913.298	963.013
103.855	96.2467	106.262	19.4158	10.2718	930.302	965.175

105.812	98.8776	101.261	19.1127	10.2959	921.863	943.106
109.353	105.041	97.5783	18.8377	10.2872	912.166	936.388
109.115	107.973	102.58	18.6517	10.2795	888.556	926.96
106.268	108.904	102.733	18.5624	10.2717	864.597	935.1
103.287	110.956	102.241	18.4672	10.2737	860.184	940.217
100.331	112.441	103.615	18.5109	10.2865	866.306	921.774
97.8005	113.345	107.058	18.7191	10.2944	861.576	905.374
93.7736	109.692	103.594	19.0826	10.2776	850.833	866.647
93.7532	111.598	100.472	19.4645	10.1981	838.282	838.116
94.8465	110.291	106.49	19.7952	10.085	832.033	846.152
94.0704	105.762	103.127	20.0859	9.95243	840.616	850.468
93.9349	102.888	96.965	20.2736	9.81769	853.237	876.593
95.3861	100.355	94.3767	20.3455	9.67477	864.872	840.933
101.096	101.979	95.9297	20.3007	9.51702	878.692	844.727
101.893	96.9263	95.8548	20.0614	9.33527	873.78	838.543
99.1481	96.2704	92.7861	19.6711	9.14616	867.792	838.553
98.582	97.0231	93.1593	19.0763	8.9718	863.767	850.304
98.6438	89.6952	94.4278	18.445	8.83549	863.219	896.873
95.579	90.3287	92.0984	17.7799	8.74683	869.032	911.047
94.2809	90.4456	91.809	17.1763	8.70114	873.561	899.348
94.1987	90.4406	90.2304	16.6313	8.6738	883.593	879.334
92.1133	88.3383	91.2452	16.2135	8.67194	879.827	878.672
85.3097	87.9913	92.2595	15.9579	8.71143	871.918	859.49
86.5697	89.5391	92.6988	15.8163	8.79869	865.357	886.552
88.6284	88.6853	91.442	15.8886	8.93735	871.211	911.757
92.3069	87.4676	90.6878	16.0695	9.11361	882.246	916.197
89.8256	90.5743	89.316	16.3443	9.29649	892.817	899.187
89.2742	89.0607	88.4757	16.651	9.45466	893.763	888.061
88.8135	88.3942	89.4666	16.9497	9.56717	877.727	891.091
88.3836	89.4611	88.8808	17.2016	9.62157	880.067	924.945
93.3682	96.7588	88.3261	17.4228	9.618	871.529	961.007
97.1775	96.8962	87.0476	17.5956	9.59661	862.094	998.185
96.2933	96.4607	82.7197	17.6795	9.56455	903.025	1001.55
97.3568	93.6943	81.4596	17.5677	9.51395	927.668	1013.01
94.1352	91.1904	80.7703	17.5413	9.45094	951.529	992.114
98.1438	86.7774	79.3017	17.5509	9.37678	959.997	995.099
100.944	87.1577	76.8715	17.5888	9.31553	988.486	998.697
101.867	87.0385	75.3368	17.6798	9.30487	1011.41	1010.13
97.5554	84.7924	76.7515	17.789	9.35585	1007.41	1018.93
93.5519	83.0848	75.9942	17.9518	9.45153	1039.69	1014.65
91.8374	80.8734	76.2186	18.2676	9.5945	1032.16	995.579
90.8705	78.2536	78.8634	18.8091	9.7964	997.32	975.274
87.2251	81.109	78.5142	19.3964	10.0029	966.63	951.636
82.4033	85.9056	78.6761	19.738	10.1956	943.223	959.697
78.4811	89.4951	80.9599	20.1165	10.4275	925.374	936.643
76.441	90.9855	84.3528	20.4465	10.7314	868.728	907.316
79.9573	93.7016	90.6084	20.8187	11.107	860.283	874.783

79.4833	93.2933	92.8612	21.3089	11.4992	832.008	842.631
74.4432	93.0918	93.8963	21.6659	11.8667	814.135	826.704
77.1299	102.36	93.3161	21.9471	12.1791	822.309	808.213
75.3278	108.367	95.0607	22.1064	12.4947	831.766	796.854
77.5425	108.426	101.001	22.2759	12.855	835.321	777.095
83.6665	109.288	104.309	22.4947	13.2367	823.237	761.276
89.8368	108.475	101.801	22.6514	13.5341	835.513	767.567
93.9726	106.431	101.509	22.7805	13.6659	872.04	770.245
90.5879	105.749	94.2703	22.7459	13.5993	862.064	768.525
99.0757	105.891	91.7198	22.5679	13.4261	874.703	747.63
103.323	102.715	90.7153	22.3169	13.2051	876.193	751.917
102.963	95.31	91.102	21.9668	12.95	867.525	767.698
105.996	92.5368	86.786	21.5589	12.6063	864.65	782.08
107.375	89.4562	81.5433	21.2786	12.1932	847.201	810.114
103.239	83.6306	78.1447	21.0474	11.7184	872.195	827.711
97.52	83.9124	80.3365	20.7884	11.2458	879.65	847.216
93.2111	84.7352	77.4033	20.5114	10.8316	869.03	874.194
91.3796	81.6399	77.4957	20.312	10.4989	879.694	897.846
84.3842	81.3166	76.9555	20.1894	10.24	874.981	932.095
82.5064	84.6433	75.1403	20.1167	10.0156	874.147	921.678
82.0082	86.6526	72.3301	20.0532	9.787	881.172	911.317
80.3597	85.6541	72.2002	19.9099	9.54197	872.404	900.987
78.3919	88.2344	74.2421	19.6397	9.28629	872.191	896.662
79.9337	92.374	73.5082	19.3558	9.08606	867.503	899.27
83.8559	89.7265	70.93	19.1067	8.95676	862.516	878.895
83.6169	88.6705	72.8908	18.9504	8.90026	858.487	869.117
83.7462	87.226	72.1795	18.8969	8.90597	857.688	865.589
85.7524	88.6215	69.1098	18.9586	8.95989	858.434	837.778
86.1557	88.9286	74.4528	19.1026	9.06884	845.219	844.157
86.2074	88.0751	82.7279	19.388	9.24468	832.2	849.266
87.6334	87.9621	87.6381	19.7663	9.48283	825.461	849.024
91.6556	85.5652	91.6513	20.2378	9.76386	812.74	831.352
91.8986	86.4578	93.5669	20.7889	10.0806	791.167	812.101
89.63	88.1798	97.822	21.3126	10.3949	783.683	802.664
94.9016	90.2404	96.9218	21.7302	10.6817	773.861	799.893
99.135	93.4667	102.685	22.068	10.944	755.931	782.382
100.824	94.067	105.142	22.3852	11.1801	739.221	790.28
103.127	92.1612	99.3617	22.6407	11.3969	738.72	786.852
103.916	90.9681	93.95	22.8183	11.5536	757.831	772.542
104.37	88.7767	92.8897	23.0199	11.646	772.84	771.788
101.998	87.6533	87.7539	23.1402	11.67	787.285	771.783
96.8414	88.4662	85.4698	23.223	11.6071	794.754	785.248
94.7764	86.633	83.4299	23.305	11.4937	789.372	809.064
92.3949	84.3353	83.1157	23.2505	11.3456	790.382	799.118
91.6397	81.9605	78.9885	22.9625	11.1646	795.99	797.332
89.606	79.7313	79.9271	22.5086	10.9455	811.04	797.844
84.5472	78.6697	82.0704	21.9279	10.6814	814.781	804.17

81.9199	77.4642	82.8326	21.2253	10.3931	810.724	823.866
77.576	78.9571	80.2577	20.4284	10.0854	826.055	822.491
76.2871	79.6546	80.7351	19.5336	9.77901	834.022	838.346
80.0291	79.4332	81.5039	18.621	9.49715	838.687	852.085
81.0499	80.1278	82.6356	17.6279	9.2416	855.213	863.986
79.5951	79.1332	82.7515	16.856	9.01549	877.39	868.471
79.7416	81.5422	82.3222	16.1878	8.81358	905.967	883.513
77.57	82.6183	80.3126	15.6789	8.63467	936.549	915.333
81.3924	81.7251	80.4124	15.3035	8.49076	964.374	916.401
84.1231	85.7367	81.8262	15.0864	8.38332	999.533	916.31
90.019	85.7788	83.4598	14.9574	8.32715	1011.48	952.256
88.4728	85.4352	87.2344	14.9664	8.32451	1025.35	974.428
89.9539	85.3536	89.1083	15.1294	8.37831	1038.98	980.345
90.9235	86.79	89.4229	15.418	8.47414	1038.13	971.594
92.829	88.2245	92.4704	15.746	8.58158	1025.12	982.543
94.2162	85.5888	95.0861	16.2172	8.69496	1015.91	982.355
100.847	83.8071	101.692	16.6559	8.81888	1013.43	972.768
97.3908	83.9182	104.674	17.0791	8.96172	998.153	992.871
92.4824	84.8583	104.453	17.516	9.13662	996.915	1013.52
87.454	88.8658	104.799	17.916	9.33206	1005.91	1015.01
88.5508	90.4765	103.32	18.3745	9.54011	1027.51	1007.43
89.9225	91.5867	101.924	18.7072	9.7225	1048.26	1000.62
88.0869	92.3202	105.176	19.0225	9.8563	1056.52	1007.05
86.3896	93.762	107.663	19.345	9.96975	1057.8	1023.9
85.9332	97.9651	111.802	19.6201	10.0876	1060.7	1049.57
83.7894	101.287	107.717	19.9732	10.2039	1036.76	1050.33
85.1903	101.928	104.429	20.3554	10.3103	1030.36	1029.65
88.3113	100.727	103.557	20.7688	10.4171	986.381	1000.58
90.4689	100.792	106.809	21.2115	10.4962	961.358	973.128
94.1971	101.306	107.879	21.6402	10.5359	935.515	958.364
93.7329	101.197	105.902	22.0391	10.5551	909.533	953.166
95.1833	100.722	100.702	22.3486	10.5729	915.736	947.816
92.8772	99.206	97.1939	22.5401	10.5707	922.626	911.862
90.358	99.8301	94.6273	22.4943	10.5406	899.723	865.402
89.2987	97.7241	93.1909	22.2786	10.5024	898.921	840.554
89.6238	90.8914	96.9836	21.9893	10.4595	902.374	828.785
89.282	91.0013	97.8843	21.5435	10.3854	905.028	811.041
89.1692	89.165	95.8338	21.0736	10.3311	895.816	790.578
87.5197	89.3585	94.3572	20.5328	10.2972	876.152	771.144
84.769	87.8755	95.3289	20.0264	10.2993	864.675	746.463
87.1723	89.0572	100.116	19.6229	10.3738	829.498	714.804
90.8573	84.3684	96.1972	19.3365	10.5145	796.521	704.641
91.9554	78.846	91.7947	19.2179	10.7041	792.99	703.721
91.0786	80.0981	93.0212	19.2916	10.9114	793.004	701.848
90.359	86.3936	89.7909	19.4378	11.1129	785.185	693.904
87.6785	85.6652	88.4125	19.621	11.295	759.224	697.306
83.592	87.6519	83.8942	19.7965	11.4421	741.698	702.903

84.259	90.8052	82.7412	20.0082	11.5495	735.169	695.628
85.0207	92.5103	85.4534	20.2199	11.6139	725.028	709.19
82.6476	93.1258	88.8833	20.2994	11.5952	727.193	725.348
86.3988	101.597	93.8513	20.3219	11.4943	718.26	711.016
89.5093	102.631	97.5889	20.2877	11.3056	700.136	695.561
90.6944	101.263	95.5768	20.1002	11.0719	665.494	693.22
91.3979	101.294	94.6597	19.8478	10.8208	643.687	706.163
94.351	96.0119	98.1684	19.5712	10.5766	647.182	688.066
98.9685	93.0068	102.25	19.2429	10.346	634.142	699.715
101.293	88.4774	104.517	18.8202	10.1432	625.795	714.41
104.53	86.1633	105.874	18.365	9.9706	614.592	668.693
104.922	90.1785	101.694	17.9623	9.83455	608.088	653.265
99.4442	90.815	98.8881	17.6055	9.75217	613.149	653.22
96.2312	94.2008	97.8659	17.2916	9.73046	623.692	639.753
98.5485	94.4853	98.1875	17.0973	9.75258	641.627	615.053
103.792	93.3796	101.092	17.0098	9.81034	634.809	576.368
110.611	94.5879	99.7676	17.063	9.89881	623.923	594.564
111.733	96.0832	99.893	17.2521	10.0108	629.48	563.849
111.923	96.8241	96.537	17.5564	10.1188	630.461	549.791
112.31	98.0317	93.4626	17.8857	10.2112	627.552	574.123
112.131	95.7047	93.6689	18.2586	10.2872	611.008	570.598
112.384	91.5801	95.6285	18.6144	10.3298	591.523	597.659
114.235	87.3251	99.4051	18.8995	10.3328	582.694	598.329
115.499	86.1826	99.0557	19.0503	10.2964	586.578	617.573
112.644	84.5194	97.3775	19.1183	10.2329	593.765	643.463
103.961	88.2973	96.0332	19.0891	10.1424	600.556	642.654
101.66	88.1148	93.2797	18.9426	10.0385	601.041	667.257
102.674	89.9427	96.6386	18.6852	9.94112	599.568	687.835
102.038	89.441	99.6229	18.5048	9.85832	600.69	699.333
101.417	87.1587	100.317	18.3448	9.80694	624.469	697.587
100.899	90.2788	99.8502	18.1805	9.78969	643.598	688.332
99.8224	95.5218	97.257	18.0914	9.81133	649.211	708.545
95.3592	100.283	98.3606	18.0517	9.8665	665.977	703.547
94.1664	103.675	100.726	18.131	9.93674	658.828	707.893
96.5393	102.292	106.179	18.2616	10.0142	682	705.662
98.392	100.789	109.216	18.3879	10.0659	686.184	681.277
90.5225	100.137	105.494	18.5658	10.0903	686.368	668.023
90.9462	99.6697	102.054	18.6274	10.0801	687.815	664.042
91.4921	98.4245	99.1626	18.5603	10.027	698.894	669.594
94.8891	94.2474	97.7085	18.4909	9.95009	686.761	666.883
96.6357	90.6019	98.1653	18.3575	9.8474	662.833	652.621
97.1633	86.7269	99.9731	18.2896	9.73548	621.305	640.542
100.27	84.0678	97.2562	18.2031	9.6392	648.788	624.316
98.9735	85.4289	92.5281	18.0683	9.57879	624.464	618.589
94.1258	87.0317	88.5073	18.043	9.58797	618.715	626.078
96.1112	84.9124	87.1228	18.1489	9.68064	612.605	609.398
96.8771	82.2147	88.5295	18.3137	9.87742	611.238	602.987

92.7641	82.4059	89.072	18.5937	10.1684	583.393	605.706
92.0621	85.6052	88.3082	18.9017	10.5234	594.222	600.284
90.6305	89.6204	87.6831	19.3091	10.9352	593.56	605.893
89.8344	94.4443	88.489	19.6042	11.3838	621.968	618.897
85.839	96.6987	87.1242	19.8821	11.8287	610.21	624.465
87.0054	95.7052	86.7335	20.1922	12.2758	598.871	614.959
89.603	96.5165	93.3439	20.401	12.6794	615.647	617.679
89.6237	99.0373	95.0509	20.5338	13.0093	623.044	638.448
89.5364	103.273	96.8857	20.6092	13.1976	623.581	631.984
92.3613	-99999	97.7475	20.6149	13.2549	624.621	626.15
93.8322	-99999	103.95	20.5279	13.1989	644.266	638.429
92.6855	-99999	103.642	20.347	13.0249	648.873	644.647
89.5289	-99999	105.26	20.187	12.7452	626.861	646.702
89.6667	-99999	108.6	19.9555	12.4027	634.201	666.283
91.8735	-99999	108.621	19.6637	11.9457	647.866	687.043
92.3383	-99999	105.089	19.3116	11.4373	640.229	689.797
93.3285	-99999	108.354	18.9218	10.8825	647.946	709.61
92.5151	-99999	112.896	18.5121	10.3818	667.641	743.357
87.6762	-99999	113.596	18.0373	9.94421	686.622	764.642
82.8403	-99999	106.22	17.5519	9.5688	704.815	768.356
85.4155	-99999	107.703	17.094	9.2678	721.81	773.447
92.3172	-99999	101.291	16.7253	9.03303	737.625	768.883
94.2399	-99999	97.9862	16.4309	8.85524	743.292	767.554
90.8304	-99999	99.1803	16.2602	8.75917	745.128	779.605
88.0577	-99999	103.789	16.2184	8.74177	730.07	788.947
86.8391	-99999	102.207	16.2353	8.82408	716.224	775.783
88.3378	-99999	94.1354	16.417	8.99294	718.453	768.798
94.4143	-99999	94.7747	16.6904	9.20614	714.116	741.706
100.741	-99999	94.7664	17.0225	9.43092	703.454	734.515
99.7308	-99999	95.4091	17.3502	9.64886	717.602	723.501
96.2585	-99999	95.8573	17.5944	9.85757	723.58	724.883
95.6849	-99999	98.1279	17.7948	10.0626	717.956	719.908
98.8669	-99999	95.8107	17.917	10.2679	717.995	686.928
102.886	-99999	98.182	18.0545	10.4418	747.949	674.793
101.887	-99999	100.936	18.2409	10.5605	768.12	673.109
103.474	-99999	103.234	18.3435	10.5864	751.547	667.095
102.8	-99999	104.996	18.5133	10.5498	749.274	678.893
100.898	-99999	110.868	18.7516	10.4934	748.353	660.187
103.851	-99999	111.469	19.0823	10.4358	738.401	675.122
105.292	-99999	112.915	19.5021	10.3767	729.057	683.538
107.82	-99999	112.515	20.0076	10.298	723.965	687.165
108.83	-99999	113.346	20.5314	10.2029	719.591	708.536
106.099	-99999	108.693	20.9712	10.0935	690.554	708.87
106.507	-99999	104.704	21.3916	9.98367	674.303	702.062
103.595	-99999	103.241	21.7532	9.89815	680.638	715.775
105.225	-99999	103.074	22.0532	9.84491	674.273	722.91
106.926	-99999	100.283	22.2124	9.82802	656.614	742.124

104.649	-99999	96.7583	22.2129	9.84489	635.762	747.252
103.032	-99999	93.3119	22.137	9.90014	634.063	739.146
102.304	-99999	92.8732	21.9262	9.98913	640.447	745.309
104.385	-99999	92.8403	21.6961	10.1192	659.666	746.049
107.616	-99999	95.4008	21.5319	10.2881	694.455	751.638
110.301	-99999	99.4042	21.3723	10.4851	704.214	753.422
112.631	-99999	101.215	21.3047	10.7051	714.081	747.882
107.665	-99999	101.03	21.3152	10.9318	725.162	751.401
106.991	-99999	100.485	21.338	11.1563	751.826	0
104.761	-99999	103.035	21.5918	11.3624	766.454	0
106.989	-99999	105.407	21.8608	11.5381	759.363	0
107.968	-99999	101.837	22.2757	11.6603	730.549	0
105.118	-99999	98.2993	22.6044	11.7231	708.92	0
107.795	-99999	95.9129	22.7592	11.7252	671.083	0
108.047	-99999	92.1226	22.8371	11.6754	674.512	0
106.074	-99999	88.3784	22.8197	11.5996	655.53	0
112.634	-99999	89.1867	22.6427	11.5056	645.701	0
112.064	-99999	91.0592	22.46	11.3986	613.341	0
115.3	-99999	89.4487	22.1268	11.2892	597.947	0
111.281	-99999	90.3044	21.78	11.1906	600.899	0
107.874	-99999	96.5715	21.365	11.1158	642.819	0
110.292	-99999	98.9118	21.1002	11.0569	657.185	0
106.164	-99999	98.2933	20.9116	11.0397	672.905	0
104.535	-99999	101.875	20.7519	11.0556	650.262	0
101.321	-99999	100.2	20.7443	11.0992	635.774	0
91.8583	-99999	96.7276	20.8349	11.1523	630.357	0
89.2158	-99999	94.3536	20.9973	11.2194	652.577	0
92.0884	-99999	93.0982	21.1431	11.2994	657.252	0
94.9408	-99999	91.6223	21.2931	11.3743	666.534	0
96.5212	-99999	90.0056	21.4343	11.4743	644.063	0
92.5288	-99999	92.2915	21.5892	11.5843	640.77	0
93.1319	-99999	93.3471	21.6689	11.6929	637.442	0
93.716	-99999	89.7545	21.6586	11.7891	649.159	0
97.0837	-99999	92.8014	21.5869	11.8524	695.797	0
102.482	-99999	95.7198	21.5276	11.8858	713.27	0
102.574	-99999	95.1254	21.4722	11.8843	705.743	0
101.376	-99999	96.9434	21.3152	11.8268	724.162	0
100.108	-99999	96.6545	21.1785	11.7579	704.121	0
96.5752	-99999	97.5018	21.0685	11.681	695.654	0
96.2256	-99999	95.0618	20.8978	11.5994	684.952	0
97.9468	-99999	96.0154	20.8065	11.5413	695.679	0
98.3609	-99999	102.612	20.8041	11.5317	697.214	0
95.2726	-99999	100.723	20.8316	11.5713	671.698	0
93.0889	-99999	95.5092	20.8419	11.6773	666.75	0
88.6781	-99999	94.5258	20.8618	11.8713	658.012	0
85.2984	-99999	96.7879	21.0101	12.17	654.551	0
85.7038	-99999	96.9964	21.1328	12.5649	679.802	0

87.4453	-99999	96.2991	21.2187	13.0598	689.851	0
88.5043	-99999	94.9284	21.2675	13.6312	689.363	0
85.0231	-99999	86.5634	21.2436	14.2304	683.147	0
85.5492	-99999	81.3368	21.1858	14.7521	683.446	0
90.2	-99999	82.3327	21.1291	15.1813	686.189	0
94.2385	-99999	85.9068	21.0286	15.4957	671.922	0
99.6765	-99999	89.6356	20.8936	15.661	672.741	0
100.807	-99999	86.736	20.7171	15.6731	673.992	0
99.775	-99999	87.3322	20.516	15.504	668.738	0
99.2881	-99999	81.5818	20.2647	15.1474	652.167	0
99.2748	-99999	82.3235	20.0369	14.6322	635.963	0
100.638	-99999	91.5918	19.825	14.0054	630.036	0
98.551	-99999	91.4238	19.618	13.3639	615.874	0
96.0344	-99999	89.0552	19.361	12.7411	616.04	0
92.536	-99999	87.1309	19.1828	12.15	629.221	0
92.004	-99999	86.4449	18.9969	11.6068	638.583	0
92.6434	-99999	85.4944	18.8406	11.1147	632.405	0
95.4721	-99999	85.8252	18.7061	10.6726	623.456	0
95.0132	-99999	90.4385	18.5857	10.2741	651.871	0
95.6948	-99999	91.0589	18.3847	9.92559	668.29	0
94.3648	-99999	88.2794	18.1286	9.63052	669.446	0
94.3419	-99999	90.1521	17.7545	9.37025	681.818	0
93.9069	-99999	94.4991	17.2688	9.13074	699.917	0
95.056	-99999	95.0453	16.7127	8.91431	701.32	0
92.1171	-99999	94.7708	16.1369	8.71855	696.048	0
95.8139	-99999	96.0694	15.5285	8.54892	713.906	0
92.4704	-99999	96.1648	14.9664	8.42387	749.247	0
89.6514	-99999	97.7032	14.4936	8.35919	760.963	0
85.3214	-99999	97.6389	14.3117	8.36287	769.365	0
87.8834	-99999	97.7766	14.3313	8.42784	807.773	0
88.2223	-99999	99.1055	14.576	8.53802	818.276	0
87.2139	-99999	97.4505	15.0902	8.67479	798.07	0
88.0467	-99999	96.634	15.6828	8.82887	824.097	0
89.6811	-99999	99.7928	16.3534	8.99849	844.316	0
89.343	-99999	102.686	17.1218	9.17647	853.156	0
93.5143	-99999	105.752	17.7571	9.35037	846.765	0
96.9892	-99999	106.386	18.3552	9.49815	850.819	0
99.2501	-99999	106.015	18.7982	9.59408	885.852	0
96.5752	-99999	106.108	19.0604	9.62664	900.319	0
103.271	-99999	103.62	19.2136	9.61639	912.703	0
104.881	-99999	102.842	19.1058	9.58028	943.506	0
108.622	-99999	102.209	19.0874	9.53298	921.857	0
109.843	-99999	96.5157	18.9186	9.48167	927.088	0
100.542	-99999	91.257	18.7269	9.44616	937.05	0
100.921	-99999	89.0349	18.5556	9.4265	954.64	0
101.403	-99999	88.2262	18.4293	9.43904	945.665	0
102.805	-99999	89.3315	18.3259	9.48825	972.314	0

103.179	-99999	92.7124	18.338	9.56826	957.91	0
97.9398	-99999	92.1872	18.4303	9.67291	983.452	0
98.203	-99999	91.7365	18.5974	9.77801	996.049	0
93.5338	-99999	93.4569	18.7394	9.88678	1050.29	0
95.5132	-99999	95.3137	18.9462	9.99642	1071.02	0
100.608	-99999	97.8414	19.1188	10.1175	1087.3	0
97.4028	-99999	93.0595	19.268	10.2266	1080.58	0
94.6534	-99999	91.4627	19.3643	10.284	1085.04	0
93.6063	-99999	88.166	19.404	10.2935	1067.31	0
90.8498	-99999	83.3583	19.3983	10.2661	1072.91	0
86.2108	-99999	87.9465	19.2976	10.1919	1062.12	0
84.0767	-99999	90.9604	19.1853	10.0949	1055.97	0
84.094	-99999	88.5906	19.0413	9.96563	1020.25	0
78.3159	-99999	91.6263	18.9208	9.85028	1012.34	0
75.2274	-99999	90.8559	18.8427	9.67911	1011.46	0
75.046	-99999	95.7031	18.7958	9.51654	1042.99	0
76.148	-99999	98.2931	18.8153	9.37677	1055.45	0
75.5345	-99999	98.1082	18.8331	9.23413	1041.66	0
76.8944	-99999	98.9623	18.8237	9.10676	1027.96	0
81.0376	-99999	94.4702	18.8483	9.01384	1025.25	0
84.6623	-99999	96.085	18.8614	8.97734	1012.77	0
84.7752	-99999	99.0038	18.8914	8.95932	1008.38	0
88.5062	-99999	93.5053	18.8784	8.91644	1005.61	0
92.07	-99999	95.2434	18.8407	8.89737	1001.97	0
92.9419	-99999	91.4761	18.7396	8.86453	974.254	0
93.8054	-99999	87.3054	18.5464	8.84397	944.072	0
92.5437	-99999	88.4642	18.3121	8.85746	943.466	0
91.9496	-99999	88.858	18.011	8.88003	947.161	0
88.7615	-99999	90.6115	17.7023	8.89911	938.054	0
82.6889	-99999	88.2249	17.3389	8.90592	945.428	0
84.264	-99999	87.103	16.9141	8.91877	958.832	0
84.9175	-99999	87.2137	16.4845	8.94907	941.734	0
82.6525	-99999	87.8577	16.0929	8.98405	910.312	0
84.9054	-99999	89.1892	15.7783	9.02597	896.846	0
87.6183	-99999	88.383	15.5534	9.04623	902.473	0
89.0254	-99999	87.2886	15.4225	9.04429	912.324	0
89.0626	-99999	85.2452	15.3035	9.03129	917.831	0
90.0951	-99999	86.1849	15.1711	9.00468	927.801	0
92.233	-99999	85.906	15.0412	8.95881	934.939	0
89.0786	-99999	87.0077	14.9372	8.89089	934.593	0
87.6717	-99999	88.209	14.8181	8.79817	954.243	0
87.189	-99999	86.4327	14.6159	8.67636	980.547	0
82.6523	-99999	87.1785	14.3315	8.53895	999.083	0
79.4523	-99999	88.77	13.9689	8.40713	1015.08	0
79.1706	-99999	89.0225	13.605	8.28373	1019.18	0
82.8821	-99999	90.2709	13.3555	8.17442	1042.6	0
83.3471	-99999	86.7396	13.1459	8.08296	1068.45	0

91.8783	-99999	86.6903	12.9841	8.00386	1085.29	0
94.4574	-99999	89.3905	12.8904	7.92769	1105.29	0
92.2857	-99999	92.0077	12.8322	7.86714	1097.95	0
96.195	-99999	93.2041	12.8252	7.86305	1092.22	0
96.0149	-99999	91.7397	12.8453	7.91877	1093.46	0
97.3747	-99999	91.0198	12.8375	8.01101	1079.11	0
97.3775	-99999	91.3806	12.8255	8.12283	1070.23	0
94.314	-99999	92.827	12.7906	8.22853	1043.92	0
96.9548	-99999	94.6939	12.7351	8.31115	1013.27	0
89.8195	-99999	90.3597	12.723	8.39193	971.934	0
93.3772	-99999	88.8233	12.6289	8.48538	968.014	0
96.3919	-99999	88.6261	12.4805	8.59089	964.351	0
94.8181	-99999	86.6984	12.3619	8.68687	946.199	0
95.7365	-99999	87.3932	12.2816	8.75114	933.426	0
95.7286	-99999	87.8168	12.1926	8.75272	938.062	0
94.0446	-99999	86.4131	12.0242	8.70626	911.586	0
95.5325	-99999	83.4443	11.7487	8.64277	893.701	0
92.2099	-99999	81.6469	11.3963	8.58218	891.758	0
93.2	-99999	83.8391	11.0003	8.52998	886.683	0
91.2805	-99999	82.0954	10.5956	8.48414	843.331	0
92.2726	-99999	82.1655	10.1971	8.39661	832.375	0
91.909	-99999	83.5329	9.76374	8.25373	854.225	0
91.093	-99999	87.0696	9.30672	8.08559	849.972	0
93.9167	-99999	89.8418	8.86999	7.94283	843.286	0
100.997	-99999	89.2752	8.4566	7.82116	841.716	0
96.1108	-99999	89.4636	8.1087	7.72096	838.962	0
96.5163	-99999	90.1834	7.81863	7.62971	844.202	0
95.4411	-99999	89.9492	7.53853	7.52122	837.58	0
92.9804	-99999	89.9801	7.28125	7.39784	834.99	0
97.0834	-99999	94.1804	7.03804	7.28513	821.996	0
98.6125	-99999	96.3203	6.83487	7.19319	792.262	0
97.1857	-99999	97.7149	6.66061	7.13051	772.231	0
97.9126	-99999	99.7074	6.52611	7.08214	754.807	0
96.4414	-99999	103.446	6.41299	7.02685	738.545	0
101.303	-99999	104.046	6.30345	6.95825	718.606	0
104.954	-99999	106.992	6.1889	6.88325	687.269	0
104.382	-99999	112.269	6.0727	6.80321	674.98	0
105.024	-99999	114.665	5.95217	6.71202	662.021	0
101.71	-99999	112.139	5.84163	6.62552	652.509	0
101.345	-99999	108.582	5.72489	6.52062	663.172	0
101.34	-99999	102.939	5.61041	6.39415	678.089	0
97.519	-99999	98.2159	5.50162	6.26077	683.015	0
96.6786	-99999	95.8935	5.40582	6.13097	698.051	0
94.2058	-99999	93.0118	5.33694	6.01358	709.561	0
90.3949	-99999	92.3759	5.30054	5.91523	722.189	0
90.1013	-99999	89.4995	5.29653	5.83533	722.204	0
91.3653	-99999	85.4374	5.32121	5.78137	733.608	0

92.2179	-99999	84.5958	5.37041	5.74361	750.669	0
95.4126	-99999	87.5951	5.43726	5.72429	747.137	0
100.264	-99999	92.5497	5.51761	5.72383	739.31	0
102.678	-99999	97.3098	5.61438	5.73984	740.03	0
102.307	-99999	100.914	5.72574	5.77763	742.807	0
105.111	-99999	105.775	5.84286	5.84041	746.488	0
109.471	-99999	104.484	5.96258	5.9339	762.497	0
108.417	-99999	105.672	6.09395	6.06828	788.018	0
107.816	-99999	107.881	6.25155	6.23508	791.063	0
107.798	-99999	106.782	6.452	6.43549	803.014	0
103.995	-99999	108.732	6.71504	6.66885	823.767	0
99.5717	-99999	107.323	7.03686	6.93425	829.545	0
101.944	-99999	103.133	7.41517	7.22572	830.81	0
105.339	-99999	101.757	7.85019	7.5313	826.332	0
103.769	-99999	99.4231	8.32532	7.83945	822.764	0
99.8961	-99999	102.053	8.83956	8.12675	820.679	0
98.4692	-99999	99.2743	9.3612	8.35764	826.248	0
97.6017	-99999	97.0427	9.82748	8.51331	845.868	0
99.8291	-99999	95.1065	10.2369	8.58277	839.57	0
105.482	-99999	90.108	10.555	8.57498	842.378	0
109.246	-99999	89.7203	10.7985	8.50834	859.071	0
102.403	-99999	91.8797	10.9411	8.39242	880.863	0
97.7462	-99999	93.2894	11.0019	8.23701	903.875	0
96.2746	-99999	94.6685	11.0083	8.05326	906.849	0
99.5887	-99999	94.479	10.9463	7.8641	910.87	0
102.292	-99999	95.6394	10.8653	7.70299	912.874	0
99.6376	-99999	100.208	10.7741	7.59257	901.955	0
96.1699	-99999	103.213	10.6824	7.54392	915.243	0
92.9335	-99999	103.74	10.6625	7.54988	937.494	0
87.6697	-99999	103.465	10.6656	7.60209	958.672	0
90.2711	-99999	104.106	10.8157	7.70158	954.483	0
90.7702	-99999	104.061	11.0536	7.84497	946.843	0
92.7942	-99999	100.821	11.4436	8.03272	961.136	0
94.9534	-99999	100.9	11.9352	8.25462	969.908	0
91.5357	-99999	100.216	12.5319	8.49071	979.649	0
96.3331	-99999	98.8644	13.2532	8.73278	985.684	0
97.6478	-99999	100.492	13.9518	8.96641	965.894	0
92.3142	-99999	99.9064	14.6558	9.18216	983.963	0
93.7169	-99999	99.2723	15.2292	9.34816	985.223	0
96.4487	-99999	96.8875	15.6857	9.4447	995.576	0
101.298	-99999	98.9133	16.0249	9.46035	1008.91	0
101.505	-99999	101.321	16.1031	9.39548	999.615	0
99.2831	-99999	99.9533	16.0428	9.26405	1007.38	0
100.081	-99999	102.902	15.7849	9.09659	1022.12	0
98.3809	-99999	101.543	15.4543	8.91961	1029.75	0
96.7183	-99999	101.944	15.1739	8.77162	1074.86	0
106.454	-99999	104.601	14.9317	8.65286	1029.63	0

103.378	-99999	104.461	14.8156	8.58968	1041.96	0
98.2073	-99999	107.013	14.7546	8.60073	1060.19	0
95.2412	-99999	107.815	14.807	8.70737	1069.98	0
91.8714	-99999	106.979	14.9635	8.88747	1092.13	0
93.8936	-99999	111.213	15.1804	9.13463	1061.73	0
96.5911	-99999	108.666	15.4577	9.41042	1031.51	0
97.128	-99999	105.665	15.7063	9.65119	1033.88	0
96.1185	-99999	104.413	15.9039	9.83612	1027.49	0
95.5116	-99999	106.759	15.9596	9.98869	1016.81	0
97.856	-99999	106.139	15.9138	10.1318	980.184	0
98.6369	-99999	106.424	15.7585	10.268	962.015	0
93.6448	-99999	105.864	15.5135	10.3827	942.342	0
94.8162	-99999	106.263	15.283	10.4485	929.613	0
96.0533	-99999	97.0635	15.0757	10.4435	931.304	0
96.6879	-99999	102.45	14.8903	10.3616	908.614	0
97.0707	-99999	103.101	14.7142	10.2815	876.265	0
99.599	-99999	104.397	14.5411	10.1867	854.642	0
100.308	-99999	101.883	14.4069	10.0845	842.552	0
100.89	-99999	108.162	14.2791	9.97167	839.62	0
102.234	-99999	104.971	14.1138	9.82853	827.3	0
107.692	-99999	105.449	13.8447	9.62638	818.085	0
108.966	-99999	106.202	13.4944	9.39243	807.214	0
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105.375	-99999	103.813	12.7208	8.99604	816.433	0
104.398	-99999	107.483	12.3902	8.86108	811.526	0
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102.957	-99999	108.421	11.9264	8.69457	806.63	0
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106.314	-99999	107.719	12.0048	8.59156	832.131	0
102.998	-99999	104.372	12.2649	8.59184	836.355	0
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98.8855	-99999	103.17	13.4608	8.7364	880.518	0
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96.1183	-99999	98.3455	14.5394	8.83713	913.324	0
91.6371	-99999	93.3281	15.1518	8.8796	920.538	0
90.0258	-99999	87.3891	15.7725	8.92624	927.123	0
88.9168	-99999	85.1988	16.4131	8.9727	925.713	0
90.8664	-99999	85.6658	17.0558	9.04094	933.622	0
89.0227	-99999	85.1854	17.7779	9.14026	952.245	0
90.4188	-99999	83.9337	18.4152	9.26998	957.749	0
91.1145	-99999	81.1773	19.0218	9.42625	971.301	0
93.0996	-99999	79.4661	19.5586	9.62607	983.884	0
93.9616	-99999	79.167	19.897	9.87484	991.683	0
93.9799	-99999	83.5035	20.2215	10.1633	1014.86	0
89.8342	-99999	86.1361	20.4649	10.4673	1034.52	0
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90.4403	-99999	82.4596	20.8742	11.1058	1024.43	0
90.6082	-99999	86.7046	20.9074	11.4097	1027.97	0
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90.971	-99999	89.2825	21.0101	11.9692	1024.36	0
87.4576	-99999	88.6046	20.9705	12.1807	999.485	0
87.9197	-99999	87.5529	20.9236	12.2984	1006.26	0
91.3207	-99999	86.0016	20.8614	12.3104	998.729	0
93.4086	-99999	86.2688	20.7098	12.2129	979.55	0
89.8895	-99999	91.9507	20.3587	12.0089	983.165	0
93.8412	-99999	95.8931	20.0194	11.7383	1005.18	0
96.884	-99999	92.856	19.5848	11.3856	1012.86	0
97.2052	-99999	93.6967	19.2068	10.9848	1002.11	0
98.7552	-99999	94.4549	18.7215	10.5505	1027.61	0
105.896	-99999	93.9179	18.2509	10.1075	1049.97	0
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114.569	-99999	101.663	16.6518	9.11713	1011.24	0
120.015	-99999	99.1423	16.2569	8.93801	1023.23	0
122.705	-99999	99.6573	15.9759	8.81602	1015.99	0
128.241	-99999	101.099	15.8773	8.76373	1003.43	0
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127.009	-99999	105.903	15.8433	8.99317	959.455	0
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126.659	-99999	109.467	16.1834	9.40306	953.264	0
118.519	-99999	109.673	16.3261	9.62882	920.476	0
115.134	-99999	113.011	16.4196	9.82133	903.669	0
111.664	-99999	113.669	16.4261	9.97238	896.407	0
108.242	-99999	116.92	16.3356	10.0743	893.975	0
106.832	-99999	119.264	16.2077	10.1135	890.588	0
106.612	-99999	120.74	16.0547	10.082	906.339	0
110.093	-99999	121.741	15.853	9.97313	880.631	0
110.377	-99999	118.668	15.7215	9.78772	861.568	0
115.809	-99999	113.038	15.619	9.53727	859.104	0
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126.122	-99999	114.664	15.5187	8.93825	857.876	0
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126.483	-99999	116.751	15.3613	8.4212	807.713	0
130.168	-99999	120.875	15.1844	8.16965	803.623	0
130.659	-99999	125.634	14.9168	7.92833	784.758	0
125.576	-99999	127.847	14.5739	7.6965	809.591	0
123.176	-99999	134.711	14.1152	7.48604	821.947	0
117.992	-99999	136.776	13.5908	7.30682	811.748	0
114.872	-99999	137.312	13.0373	7.18243	819.897	0
116.78	-99999	137.416	12.5056	7.14339	841.274	0
121.809	-99999	136.737	12.0641	7.18264	858.351	0
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120.681	-99999	116.384	13.7602	8.63236	915.389	0
122.293	-99999	116.211	14.7913	9.10964	930.754	0
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114.356	-99999	109.46	16.9207	10.0973	915.374	0
109.595	-99999	108.735	17.806	10.4742	941.293	0
113.277	-99999	111.378	18.4485	10.6829	962.262	0
114.394	-99999	112.39	18.7468	10.7452	951.604	0
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113.814	-99999	111.076	18.1962	10.5019	939.471	0
113.688	-99999	110.714	17.631	10.2361	950.669	0
112.702	-99999	110.747	16.9985	9.89601	956.97	0
112.588	-99999	113.628	16.3617	9.50365	978.108	0
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108.253	-99999	109.756	14.6317	8.33466	1000.2	0
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103.721	-99999	110.02	14.5193	8.2211	1008.99	0
102.32	-99999	109.282	14.4786	8.22945	1012.66	0
101.507	-99999	110.379	14.4547	8.27255	1004.57	0
102.089	-99999	107.029	14.4604	8.34348	981.423	0
104.08	-99999	102.931	14.5185	8.42974	972.641	0
105.518	-99999	100.499	14.6169	8.51573	964.842	0
105.178	-99999	98.3492	14.7613	8.59021	933.368	0
103.771	-99999	98.5347	14.9256	8.657	902.702	0
102.154	-99999	97.2447	15.133	8.72435	902.329	0
107.96	-99999	96.998	15.3255	8.79213	891.904	0
109.953	-99999	95.1717	15.4913	8.84792	888.063	0
113.346	-99999	95.0659	15.6109	8.88419	890.473	0
110.201	-99999	102.424	15.6471	8.89293	875.547	0
105.868	-99999	110.078	15.6423	8.87462	876.761	0
100.265	-99999	112.604	15.5191	8.83752	894.267	0
104.354	-99999	112.772	15.3834	8.79852	883.921	0
104.366	-99999	116.527	15.1703	8.75786	887.368	0
106.54	-99999	119.372	14.9409	8.70094	883.816	0
102.883	-99999	119.1	14.7665	8.63468	896.971	0
100.334	-99999	121.114	14.6143	8.56428	890.554	0
101.162	-99999	121.431	14.4387	8.4842	893.976	0
103.046	-99999	114.504	14.3053	8.3895	973.704	0
101.494	-99999	109.24	14.2271	8.29386	971.259	0
103.494	-99999	108.334	14.2494	8.21631	973.582	0
94.4851	-99999	108.403	14.2881	8.15547	986.268	0
93.7651	-99999	107.252	14.3301	8.11357	1009.74	0
96.3042	-99999	107.718	14.3484	8.08751	1026.21	0

97.5044	-99999	105.996	14.3709	8.06795	1025.81	0
96.3869	-99999	105.355	14.4708	8.06121	1033.06	0
95.9395	-99999	100.245	14.5862	8.05252	1037.8	0
99.7786	-99999	96.4284	14.6284	8.05951	995.93	0
105.661	-99999	89.1136	14.5729	8.09389	993.676	0
106.056	-99999	85.421	14.51	8.15369	993.714	0
107.216	-99999	84.018	14.4446	8.25142	1024.41	0
106.259	-99999	81.3336	14.4105	8.37108	1020.77	0
102.022	-99999	79.3605	14.4201	8.52041	1034.02	0
97.4396	-99999	78.0081	14.4454	8.68343	1044.91	0
96.1941	-99999	74.8041	14.4667	8.87705	1040.26	0
90.1822	-99999	79.6448	14.572	9.11465	1016.61	0
87.1267	-99999	88.1852	14.7628	9.37552	1010.57	0
86.3121	-99999	93.0096	15.0015	9.62596	1007.83	0
84.8436	-99999	94.4694	15.1751	9.84726	1006.17	0
83.296	-99999	90.6076	15.2778	9.99087	978.957	0
82.2367	-99999	89.9158	15.2497	10.0482	974.436	0
85.4224	-99999	88.7179	15.0862	10.0168	957.836	0
87.1784	-99999	94.2505	14.8082	9.93028	951.338	0
88.1745	-99999	103.281	14.3965	9.77324	962.034	0
93.7486	-99999	104.91	13.8569	9.56232	980.215	0
93.8246	-99999	103.914	13.2341	9.30921	982.963	0
90.6653	-99999	107.264	12.6187	9.04526	981.974	0
92.7973	-99999	110.236	12.054	8.7755	961.75	0
97.2976	-99999	114.375	11.5734	8.55567	938.203	0
100.713	-99999	119.182	11.2186	8.39587	911.611	0
102.978	-99999	123.39	10.9564	8.29075	887.767	0
105.004	-99999	120.934	10.7873	8.2298	868.611	0
106.5	-99999	112.644	10.7111	8.20411	864.225	0
107.398	-99999	110.463	10.7234	8.1899	855.1	0
111.241	-99999	108.25	10.7606	8.17325	844.449	0
113.576	-99999	105.078	10.7658	8.15246	831.482	0
113.727	-99999	105.202	10.7275	8.13684	829.874	0
112.443	-99999	105.493	10.6457	8.11973	843.428	0
108.843	-99999	105.244	10.5497	8.09976	842.634	0
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106.796	-99999	105.15	10.3951	8.03254	822.334	0
105.253	-99999	109.681	10.3151	7.99617	794.913	0
100.974	-99999	107.694	10.2258	7.97904	787.794	0
95.9569	-99999	110.703	10.1559	7.99854	776.527	0
95.9852	-99999	111.034	10.1432	8.06782	780.127	0
90.9685	-99999	110.13	10.198	8.16447	775.064	0
87.9177	-99999	106.051	10.2746	8.24465	760.669	0
89.3484	-99999	101.171	10.3564	8.30914	761.697	0
87.4687	-99999	100.678	10.4284	8.3706	766.254	0
83.8932	-99999	95.8441	10.5013	8.42675	786.005	0
81.8868	-99999	89.4257	10.6118	8.46861	790.006	0

82.6456	-99999	85.8543	10.71	8.492	798.258	0
83.1857	-99999	80.3238	10.8729	8.49314	807.446	0
79.0615	-99999	77.3293	10.9674	8.45829	806.086	0
82.1612	-99999	77.8089	11.01	8.39075	819.449	0
82.1827	-99999	80.1741	11.0114	8.31012	847.449	0
80.9728	-99999	80.0117	11.0113	8.22491	891.601	0
80.2298	-99999	75.8749	11.0219	8.14275	910.943	0
79.998	-99999	72.9303	10.998	8.07294	942.693	0
79.2705	-99999	75.4559	10.9108	8.02315	982.1	0
76.2133	-99999	77.8633	10.8636	7.99335	1030.16	0
73.3774	-99999	80.3738	10.8105	7.98824	1072.76	0
76.3989	-99999	79.9838	10.8614	8.00602	1130.07	0
74.8395	-99999	77.209	10.9426	8.04959	1172.48	0
78.5064	-99999	76.6392	11.0826	8.12828	1223.66	0
78.7997	-99999	76.3903	11.2538	8.24511	1223.62	0
78.5731	-99999	73.9472	11.416	8.38106	1260.93	0
80.0918	-99999	75.3764	11.5883	8.53039	1250.17	0
80.9546	-99999	74.5365	11.8027	8.67793	1259.01	0
81.5481	-99999	74.4532	11.9421	8.80954	1249.78	0
84.0216	-99999	73.8225	11.9893	8.90346	1250.88	0
82.5596	-99999	76.2141	11.9291	8.95045	1269.99	0
82.1357	-99999	77.4106	11.8195	8.95804	1239.74	0
77.8158	-99999	74.8836	11.636	8.92987	1213.44	0
75.3284	-99999	73.8818	11.3874	8.86232	1212.93	0
78.4179	-99999	74.8564	11.069	8.75917	1208.67	0
77.9733	-99999	76.8546	10.7022	8.61959	1199.54	0
73.5529	-99999	75.862	10.3131	8.46947	1176.11	0
73.8586	-99999	74.5655	9.96353	8.31074	1156.08	0
72.6789	-99999	78.3959	9.64079	8.15627	1120.2	0
71.4552	-99999	75.6331	9.35699	8.01584	1046.92	0
70.5807	-99999	75.2509	9.09811	7.89202	1022.12	0
70.9906	-99999	79.6845	8.87041	7.78064	955.128	0
70.7098	-99999	80.2129	8.66402	7.67147	902.808	0
68.4667	-99999	86.5433	8.49287	7.56059	861.773	0
71.1792	-99999	85.4292	8.32539	7.43714	834.078	0
75.6126	-99999	87.1664	8.12643	7.30099	811.62	0
78.0934	-99999	88.605	7.89944	7.15101	773.17	0
80.6886	-99999	84.6218	7.6625	6.99907	772.089	0
82.7447	-99999	95.1355	7.42103	6.84417	781.295	0
84.0507	-99999	92.9542	7.18166	6.6956	773.774	0
87.6494	-99999	93.4744	6.93197	6.54788	776.153	0
87.3817	-99999	99.0591	6.69124	6.41852	779.096	0
88.1901	-99999	96.7868	6.47402	6.31568	785.51	0
86.7094	-99999	93.9762	6.2862	6.23935	781.913	0
87.118	-99999	94.0782	6.14044	6.18936	769.392	0
89.7207	-99999	90.4079	6.03036	6.16336	773.914	0
91.2822	-99999	89.4804	5.94986	6.15402	762.255	0

92.5651	-99999	82.3994	5.89326	6.16147	739.726	0
93.7216	-99999	85.2421	5.85909	6.17813	733.715	0
94.0158	-99999	82.4178	5.84645	6.20705	725.181	0
94.5195	-99999	80.5796	5.83742	6.23842	696.327	0
92.6582	-99999	81.0171	5.82791	6.26082	669.751	0
92.049	-99999	80.148	5.81761	6.27868	670.054	0
89.6138	-99999	81.9385	5.79899	6.28116	669.939	0
87.77	-99999	86.9553	5.77946	6.27223	657.295	0
87.4665	-99999	86.794	5.75679	6.24916	652.992	0
85.2086	-99999	87.3666	5.728	6.21464	653.829	0
83.3424	-99999	87.927	5.68765	6.17095	669.395	0
83.2698	-99999	88.4196	5.63425	6.11521	702.232	0
83.065	-99999	85.6063	5.5759	6.05174	729.565	0
85.3277	-99999	86.2291	5.51355	5.98566	723.769	0
89.5063	-99999	86.8001	5.44526	5.91627	707.937	0
93.9587	-99999	85.4091	5.37882	5.84654	709.072	0
92.9219	-99999	85.3028	5.3121	5.77568	702.405	0
94.7704	-99999	88.1928	5.25069	5.7106	689.234	0
102.769	-99999	91.3406	5.19713	5.65512	680.86	0
100.63	-99999	91.6731	5.15585	5.60972	661.769	0
100.756	-99999	92.1244	5.13472	5.57495	637.549	0
100.293	-99999	94.8025	5.12733	5.55052	620.879	0
97.7239	-99999	96.5829	5.12984	5.53659	631.969	0
93.9654	-99999	100.14	5.14585	5.53154	645.015	0
95.6146	-99999	99.2831	5.16931	5.53355	645.162	0
96.3063	-99999	96.0457	5.20389	5.54161	661.307	0
93.9354	-99999	95.4125	5.24259	5.55217	688.127	0
90.7957	-99999	92.9229	5.27952	5.56215	710.107	0
96.3001	-99999	92.7132	5.32084	5.57248	726.05	0
96.2544	-99999	93.4313	5.35397	5.58507	727.999	0
97.2321	-99999	92.7204	5.38246	5.59395	727.771	0
99.8927	-99999	89.7157	5.40379	5.59851	732.76	0
96.8675	-99999	86.5174	5.42261	5.59857	729.708	0
89.6922	-99999	87.016	5.43136	5.60145	729.961	0
84.8645	-99999	87.4696	5.43254	5.60289	734.459	0
86.7963	-99999	84.213	5.42365	5.60327	720.748	0
87.8823	-99999	82.5092	5.40711	5.60459	719.711	0
84.6067	-99999	83.8512	5.38869	5.60375	724.252	0
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83.0506	-99999	86.5134	5.34869	5.59898	753.776	0
81.3526	-99999	88.3876	5.32077	5.59559	741.535	0
81.0986	-99999	88.3129	5.29122	5.59436	755.428	0
84.1272	-99999	86.2346	5.26311	5.58809	765.236	0
87.6416	-99999	84.8848	5.22569	5.57866	766.374	0
84.8114	-99999	87.7976	5.19059	5.56262	756.624	0
78.3624	-99999	88.489	5.15228	5.54116	736.388	0
79.8001	-99999	84.8791	5.10129	5.51202	711.977	0

77.8679	-99999	79.6393	5.04685	5.48131	676.873	0
80.4434	-99999	80.1866	4.9839	5.44361	685.012	0
80.9989	-99999	81.765	4.91748	5.40378	700.03	0
84.1743	-99999	83.2676	4.84678	5.35703	692.53	0
81.3567	-99999	88.8111	4.77497	5.30936	685.076	0
81.9615	-99999	91.0543	4.70601	5.26314	663.918	0
85.4363	-99999	88.389	4.63545	5.22168	671.498	0
90.5629	-99999	88.8059	4.5678	5.18367	682.055	0
88.6304	-99999	88.7351	4.50751	5.15223	705.511	0
89.8713	-99999	94.7657	4.45246	5.12778	714.033	0
91.1258	-99999	95.5718	4.40902	5.10825	719.084	0
90.543	-99999	95.093	4.37013	5.1025	706.25	0
91.1938	-99999	95.479	4.33664	5.10741	694.841	0
94.2851	-99999	92.9786	4.31293	5.11521	674.982	0
92.388	-99999	90.3686	4.29687	5.13203	701.897	0
88.5345	-99999	92.4677	4.29157	5.16299	717.268	0
85.6608	-99999	95.6276	4.29501	5.20137	708.637	0
86.9188	-99999	93.9855	4.30164	5.24507	709.851	0
88.7654	-99999	89.6881	4.31445	5.29435	716.397	0
89.5526	-99999	92.4931	4.33692	5.35089	710.95	0
91.3687	-99999	91.8394	4.3692	5.40797	703.982	0
93.5085	-99999	94.8151	4.4089	5.46384	714.083	0
94.5474	-99999	101.143	4.45584	5.5191	727.451	0
97.5885	-99999	103.015	4.51519	5.57271	699.793	0
99.8902	-99999	101.197	4.58781	5.62124	691.473	0
103.41	-99999	100.425	4.67236	5.67073	697.612	0
103.669	-99999	102.832	4.76323	5.71081	670.218	0
100.316	-99999	104.806	4.86053	5.7495	635.849	0
99.9808	-99999	103.608	4.96416	5.78377	614.083	0
97.7785	-99999	104.919	5.07155	5.81896	608.578	0
92.9425	-99999	101.94	5.18113	5.8581	606.93	0
87.9602	-99999	94.7573	5.29658	5.90075	605.79	0
85.1646	-99999	95.2934	5.42239	5.94892	605.404	0
84.4897	-99999	100.271	5.56136	6.00372	592.29	0
80.623	-99999	100.429	5.72322	6.07718	583.184	0
79.4618	-99999	98.3321	5.92269	6.18158	590.723	0
79.9964	-99999	96.1595	6.15388	6.318	604.461	0
79.6373	-99999	90.3293	6.43429	6.49	615.29	0
76.5186	-99999	86.5039	6.754	6.69471	626.561	0
76.2986	-99999	87.2381	7.12191	6.93024	628.048	0
77.9601	-99999	87.9758	7.51704	7.19258	624.674	0
76.4986	-99999	86.3198	7.92148	7.48077	621.917	0
76.35	-99999	82.0572	8.34333	7.79498	615.828	0
76.6214	-99999	80.9557	8.76198	8.12735	608.763	0
78.5545	-99999	80.7787	9.17229	8.46144	625.96	0
75.8184	-99999	81.4976	9.54951	8.76363	654.204	0
74.286	-99999	83.2311	9.88752	9.00934	688.4	0

77.8439	-99999	82.3316	10.1944	9.18695	685.071	0
80.3353	-99999	80.3553	10.4444	9.29352	699.9	0
79.4037	-99999	80.94	10.6448	9.34469	717.623	0
80.253	-99999	81.805	10.8129	9.35723	741.743	0
80.3357	-99999	82.7334	10.9453	9.34229	765.848	0
81.6853	-99999	83.8447	11.0372	9.29518	804.076	0
81.7498	-99999	83.0797	11.1205	9.22457	822.178	0
87.5851	-99999	84.7482	11.2635	9.17139	846.334	0
87.4398	-99999	89.6171	11.4272	9.1555	848.895	0
87.2226	-99999	91.1504	11.601	9.21093	878.833	0
88.9951	-99999	90.0448	11.8358	9.36242	899.675	0
92.6625	-99999	91.5435	12.1667	9.58094	917.283	0
92.0392	-99999	93.3939	12.6157	9.87102	941.639	0
88.793	-99999	94.4647	13.1477	10.1882	951.497	0
88.2959	-99999	95.5821	13.8076	10.489	938.926	0
87.7427	-99999	95.0382	14.4882	10.7997	940.007	0
85.9426	-99999	91.1948	15.1109	11.1512	889.778	0
88.783	-99999	88.8837	15.7472	11.5277	875.521	0
91.6387	-99999	91.9415	16.4555	11.8582	865.297	0
88.803	-99999	97.2695	17.1218	12.1158	822.763	0
85.3495	-99999	95.1752	17.7857	12.2873	783.283	0
85.4466	-99999	94.5853	18.2707	12.3288	753.685	0
89.6683	-99999	90.6057	18.6559	12.3215	732.453	0
94.8249	-99999	89.9806	18.8576	12.3131	711.088	0
94.7573	-99999	90.9798	18.9937	12.2745	682.427	0
94.6186	-99999	92.4943	19.0154	12.1599	691.997	0
93.9137	-99999	91.3951	18.9018	11.9512	671.855	0
90.8388	-99999	92.3049	18.5932	11.6885	665.818	0
90.6909	-99999	91.4418	18.1429	11.3823	664.161	0
96.5509	-99999	90.6364	17.5988	11.1083	664.764	0
96.5702	-99999	86.7098	17.0749	10.8958	652.147	0
92.9143	-99999	89.3199	16.558	10.6895	668.667	0
87.467	-99999	92.2531	16.0999	10.4838	689.039	0
87.9214	-99999	95.7785	15.6791	10.2535	685.017	0
90.596	-99999	96.9365	15.3498	10.0515	668.563	0
91.6532	-99999	93.6969	15.1075	9.96621	688.162	0
93.102	-99999	93.6237	15.0288	9.98032	684.544	0
94.7529	-99999	89.6581	15.1116	10.0765	687.167	0
93.4985	-99999	90.7209	15.3222	10.2171	689.942	0
97.2435	-99999	91.7812	15.6101	10.417	692.001	0
103.16	-99999	91.171	15.9254	10.6568	684.285	0
106.72	-99999	89.0998	16.2955	10.9738	674.54	0
103.352	-99999	86.575	16.7521	11.3625	682.658	0
99.5864	-99999	84.9328	17.2723	11.7721	704.072	0
98.1669	-99999	86.658	17.7947	12.1534	703.673	0
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99.2727	-99999	80.7821	18.6018	12.6307	698.903	0

96.3986	-99999	82.6393	18.9109	12.7446	703.478	0
93.2468	-99999	86.7647	19.1722	12.777	698.863	0
88.5678	-99999	85.5551	19.4116	12.7077	689.243	0
91.1053	-99999	82.3333	19.5239	12.5226	692.377	0
95.6526	-99999	83.3389	19.4946	12.2243	689.767	0
96.296	-99999	83.2744	19.417	11.8431	673.132	0
96.9518	-99999	86.4624	19.2779	11.397	676.601	0
93.6191	-99999	90.0648	19.1366	10.9826	687.66	0
91.2935	-99999	88.9208	18.9	10.6251	686.317	0
90.6513	-99999	83.1366	18.6532	10.2873	688.924	0
93.1669	-99999	84.4036	18.3959	9.98288	687.677	0
93.1461	-99999	88.9235	18.1607	9.7604	690.936	0
89.0787	-99999	88.9856	17.9993	9.6454	679.904	0
86.1172	-99999	88.1164	17.8938	9.65805	676.385	0
85.8783	-99999	91.3116	17.7963	9.80941	682.918	0
88.0868	-99999	89.4412	17.7895	10.1098	674.289	0
87.717	-99999	86.3265	17.8522	10.5606	681.828	0
89.3217	-99999	87.6093	17.9669	11.1738	686.116	0
91.3511	-99999	88.9095	18.025	11.9354	684.874	0
84.7861	-99999	84.6488	18.0872	12.8564	706.779	0
83.9432	-99999	79.2271	18.1069	13.9385	695.21	0
84.2156	-99999	78.2192	18.1426	15.1672	692.498	0
85.8669	-99999	76.0455	18.0997	16.4437	683.206	0
83.9698	-99999	71.8637	18.0883	17.6161	670.61	0
83.3779	-99999	70.6862	18.026	18.593	679.08	0
89.9977	-99999	73.0927	17.9568	19.2624	668.052	0
90.6429	-99999	75.0123	17.8925	19.5806	653.203	0
89.9161	-99999	75.9046	17.9036	19.5697	656.573	0
100.067	-99999	78.8495	17.988	19.2281	655.14	0
98.2401	-99999	81.1231	18.0551	18.5578	645.213	0
97.0894	-99999	81.1714	18.1318	17.6048	642.473	0
97.946	-99999	82.0024	18.1504	16.4421	655.633	0
98.4818	-99999	82.4925	18.0722	15.2169	645.741	0
96.3284	-99999	83.8969	17.9448	14.0348	633.856	0
91.2085	-99999	83.4535	17.7532	13.0006	628.592	0
89.5542	-99999	85.4711	17.5938	12.1611	637.79	0
87.5201	-99999	84.9123	17.3704	11.4905	624.801	0
87.5195	-99999	83.3488	17.1741	11.0035	616.129	0
88.0653	-99999	84.2022	16.9989	10.6662	642.795	0
86.2846	-99999	84.6923	16.9365	10.4358	633.391	0
87.8907	-99999	83.6245	17.0271	10.3368	615.378	0
86.0239	-99999	83.6014	17.1675	10.3212	630.041	0
86.1171	-99999	84.8156	17.4173	10.3679	626.425	0
85.5048	-99999	84.4652	17.7571	10.4487	622.252	0
90.5602	-99999	86.1117	18.0204	10.5427	629.003	0
90.6038	-99999	85.0756	18.2637	10.6222	626.513	0
87.587	-99999	83.74	18.3559	10.6964	639.136	0

91.7574	-99999	85.4987	18.4092	10.7488	630.388	0
95.2631	-99999	87.483	18.3231	10.7962	636.719	0
91.2799	-99999	92.3417	18.1647	10.8165	657.875	0
96.1246	-99999	92.5884	17.9886	10.8479	658.277	0
98.8528	-99999	90.6132	17.7309	10.8592	661.611	0
99.9636	-99999	92.3327	17.4927	10.8782	655.219	0
97.3128	-99999	88.9235	17.312	10.9243	642.579	0
100.386	-99999	94.7807	17.1579	10.9868	646.913	0
98.7554	-99999	96.9128	17.125	11.0568	635.41	0
95.1972	-99999	96.1953	17.1557	11.1265	641.979	0
92.8219	-99999	95.3131	17.26	11.1977	641.853	0
97.9153	-99999	89.0687	17.4496	11.2668	633.736	0
97.6843	-99999	92.0323	17.7158	11.3202	635.228	0
95.1768	-99999	92.6913	18.0239	11.3704	644.501	0
92.9476	-99999	87.3033	18.2951	11.384	667.521	0
91.2254	-99999	87.9178	18.5688	11.3483	699.831	0
88.5585	-99999	84.3548	18.838	11.2879	714.241	0
88.6279	-99999	86.5641	19.0247	11.1823	720.903	0
91.685	-99999	85.743	19.1149	11.0356	733.522	0
93.5059	-99999	86.5863	19.1123	10.8551	747.275	0
91.02	-99999	94.5283	19.0195	10.652	754.795	0
88.6413	-99999	97.223	18.8159	10.4355	757.988	0
88.9493	-99999	100.73	18.5667	10.2113	755.285	0
92.0224	-99999	103.471	18.2976	9.9969	755.52	0
94.5319	-99999	107.751	18.0021	9.8024	745.262	0
94.9478	-99999	109.578	17.7102	9.62987	740.827	0
93.4184	-99999	107.157	17.4582	9.49619	741.93	0
91.3978	-99999	108.873	17.2556	9.40422	748.763	0
91.4377	-99999	108.35	17.14	9.35819	756.584	0
90.7467	-99999	102.702	17.0579	9.36117	766.018	0
92.2733	-99999	97.9053	17.0747	9.40709	778.09	0
96.2694	-99999	93.7979	17.1537	9.50144	786.557	0
93.4926	-99999	92.4654	17.2798	9.64279	786.866	0
91.0302	-99999	89.5358	17.4262	9.81308	774.833	0
94.5926	-99999	86.367	17.6699	9.99254	779.461	0
95.1025	-99999	86.2882	17.9102	10.1654	783.57	0
93.4484	-99999	86.8991	18.1859	10.3286	775.803	0
92.4357	-99999	85.6199	18.4356	10.4658	783.426	0
93.8063	-99999	86.2869	18.6832	10.5604	784.922	0
92.4711	-99999	85.0994	18.8866	10.6142	771.17	0
90.2669	-99999	86.4615	18.983	10.6228	770.045	0
91.5354	-99999	88.9411	19.0098	10.5859	787.317	0
90.1007	-99999	88.256	19.0171	10.5069	809.255	0
84.1054	-99999	89.4742	18.8586	10.4014	814.257	0
85.7106	-99999	85.9944	18.7735	10.2885	824.383	0
86.4319	-99999	84.1839	18.6092	10.1764	823.094	0
84.1008	-99999	83.2196	18.4814	10.0714	816.244	0

85.4762	-99999	80.1722	18.3653	9.98511	809.818	0
83.2797	-99999	81.4649	18.2499	9.91759	805.188	0
80.9029	-99999	81.7302	18.2957	9.86653	796.018	0
80.4724	-99999	79.1927	18.352	9.83941	780.884	0
80.8293	-99999	75.3949	18.3979	9.84029	758.679	0
85.2356	-99999	72.4635	18.5153	9.86662	763.432	0
84.0785	-99999	71.4643	18.5675	9.90924	773.989	0
83.357	-99999	71.0144	18.681	9.9538	788.004	0
81.8367	-99999	72.7945	18.6905	10.0067	794.907	0
77.0499	-99999	76.5245	18.6495	10.0534	792.388	0
76.9601	-99999	77.9429	18.6472	10.1091	823.544	0
77.0151	-99999	76.9218	18.5097	10.1774	824.366	0
77.0512	-99999	78.8423	18.5225	10.2538	836.557	0
73.1674	-99999	81.2102	18.558	10.3497	872.356	0
67.4247	-99999	83.2349	18.5693	10.4542	858.267	0
67.8292	-99999	85.4667	18.5447	10.5648	844.1	0
65.893	-99999	84.1731	18.5623	10.6897	855.616	0
67.0283	-99999	81.9956	18.6381	10.8171	831.755	0
68.2798	-99999	81.2917	18.7978	10.9694	842.975	0
70.8083	-99999	78.6017	18.9737	11.1206	815.186	0
67.5659	-99999	78.1777	19.1696	11.2474	787.919	0
69.8181	-99999	76.991	19.2901	11.356	767.528	0
75.8378	-99999	78.2124	19.451	11.4058	724.405	0
75.4655	-99999	78.8832	19.6393	11.427	696.477	0
74.986	-99999	76.7776	19.8321	11.395	660.289	0
78.5733	-99999	79.1316	19.9132	11.3228	640.819	0
76.1147	-99999	79.229	19.9252	11.2075	632.961	0
75.1727	-99999	76.3367	19.8497	11.0531	614.108	0
73.8768	-99999	74.539	19.6521	10.8647	611.976	0
74.0905	-99999	72.5318	19.4318	10.6576	606.91	0
73.0073	-99999	71.4621	19.1642	10.4379	606.914	0
72.0431	-99999	67.6864	18.8305	10.238	617.977	0
76.1873	-99999	67.4827	18.4043	10.0483	613.21	0
78.5991	-99999	66.0391	17.9416	9.88391	607.92	0
77.948	-99999	62.0883	17.5065	9.7301	597.921	0
81.6616	-99999	63.8625	17.093	9.60645	599.074	0
82.473	-99999	64.8701	16.6769	9.49704	597.873	0
80.8284	-99999	70.52	16.2785	9.41509	595.269	0
82.8264	-99999	70.0815	15.8958	9.35542	607.995	0
88.1664	-99999	71.6831	15.5128	9.30424	621.312	0
90.8954	-99999	72.3359	15.1676	9.25973	624.683	0
90.0976	-99999	74.3514	14.9065	9.21967	639.585	0
86.9684	-99999	77.645	14.744	9.18259	652.754	0
85.0877	-99999	78.396	14.664	9.15675	652.916	0
82.5334	-99999	76.7147	14.6235	9.13459	652.762	0
84.2272	-99999	74.3527	14.7069	9.11158	665.294	0
87.4793	-99999	74.5256	14.8613	9.08863	673.707	0

83.9672	-99999	76.5981	15.07	9.06857	660.829	0
77.7947	-99999	74.8093	15.342	9.05113	649.9	0
73.7963	-99999	75.2853	15.6401	9.03285	662.303	0
75.234	-99999	75.0302	15.9296	9.01702	672.055	0
77.76	-99999	77.4185	16.2091	9.01214	685.339	0
79.2313	-99999	77.846	16.4442	9.0138	709.073	0
82.7203	-99999	79.71	16.6916	9.01475	728.112	0
82.043	-99999	80.3995	16.8503	9.0238	745.926	0
81.3518	-99999	77.9384	17.0028	9.04383	765.058	0
83.8795	-99999	75.6611	17.1638	9.0788	780.488	0
86.1615	-99999	76.5862	17.2937	9.13812	797.083	0
86.0301	-99999	75.3191	17.4561	9.22044	807.503	0
81.9871	-99999	74.892	17.6761	9.31757	825.124	0
80.6799	-99999	74.3032	17.9193	9.42291	830.606	0
80.5518	-99999	75.3586	18.19	9.53917	821.461	0
75.2606	-99999	75.6331	18.4712	9.66566	810.811	0
75.3529	-99999	75.8758	18.7374	9.80327	801.001	0
73.9558	-99999	74.6663	19.0203	9.94468	817.376	0
70.3624	-99999	73.4651	19.2055	10.0871	842.345	0
70.1743	-99999	71.5156	19.3147	10.229	844.131	0
75.8513	-99999	68.6601	19.359	10.3586	842.132	0
76.7331	-99999	66.562	19.3057	10.4777	843.238	0
77.8685	-99999	67.5535	19.2216	10.6047	854.054	0
81.5199	-99999	68.5787	19.1499	10.7496	865.815	0
88.9124	-99999	68.7025	19.008	10.9188	874.94	0
90.7648	-99999	71.1412	19.0345	11.099	889.684	0
96.3961	-99999	76.7697	19.0066	11.292	892.932	0
98.9883	-99999	81.8008	19.1744	11.4948	886.176	0
98.7161	-99999	84.6967	19.4042	11.682	871.906	0
92.2048	-99999	84.9467	19.7307	11.8654	846.327	0
94.8245	-99999	82.8998	20.1893	12.0354	839.294	0
96.5536	-99999	81.6852	20.7092	12.1589	836.941	0
92.0875	-99999	83.9201	21.2027	12.2185	811.732	0
84.6362	-99999	84.5779	21.5565	12.2107	780.79	0
81.9804	-99999	80.821	21.7662	12.1335	743.416	0
75.7225	-99999	75.6427	21.7708	11.9877	715.244	0
78.1168	-99999	72.2242	21.5727	11.78	687.143	0
76.82	-99999	72.103	21.3142	11.551	684.895	0
78.0861	-99999	73.1659	20.86	11.2828	695.58	0
78.938	-99999	73.1339	20.2608	11.0071	644.254	0
74.7203	-99999	67.5174	19.4921	10.7388	621.35	0
76.3267	-99999	63.8584	18.7092	10.4943	616.288	0
81.3323	-99999	60.9756	18.0308	10.277	604.468	0
81.525	-99999	61.649	17.4324	10.1126	585.093	0
83.0391	-99999	61.6486	16.9778	9.99937	567.534	0
80.9075	-99999	61.6926	16.571	9.92445	553.589	0
81.1212	-99999	62.4234	16.2688	9.90005	532.374	0

83.9649	-99999	64.9693	16.0842	9.92869	514.04	0
81.8558	-99999	66.6515	15.954	9.99931	514.878	0
84.8869	-99999	70.6915	15.882	10.1137	493.836	0
84.5505	-99999	72.1092	15.8913	10.2792	506.699	0
81.5143	-99999	74.8045	15.9357	10.474	511.128	0
85.0266	-99999	77.8962	15.9751	10.7042	525.741	0
88.0752	-99999	80.0377	16.1103	10.9517	540.293	0
88.1747	-99999	80.3576	16.3244	11.2176	558.452	0
85.9185	-99999	80.4872	16.5456	11.4563	563.809	0
83.573	-99999	80.647	16.8364	11.6868	576.926	0
85.6836	-99999	80.886	17.2048	11.8823	606.3	0
84.6676	-99999	83.689	17.6434	12.0491	635.521	0
83.4506	-99999	90.6864	18.0553	12.1847	637.057	0
81.1979	-99999	94.1238	18.4146	12.2846	652.252	0
76.0165	-99999	95.8317	18.7288	12.326	640.949	0
76.4508	-99999	96.1413	18.9189	12.3161	616.811	0
79.8862	-99999	97.6579	19.0006	12.2573	610.658	0
82.7203	-99999	97.0674	18.9444	12.1718	630.948	0
84.2564	-99999	95.9673	18.7483	12.0658	644.486	0
83.2655	-99999	95.2431	18.4965	11.9561	643.171	0
84.3085	-99999	96.656	18.1576	11.8386	649.647	0
90.5126	-99999	90.9628	17.8195	11.7196	648.818	0
98.2951	-99999	90.2749	17.5517	11.6244	650.839	0
99.363	-99999	89.9042	17.3969	11.5662	662.599	0
94.581	-99999	91.7911	17.3094	11.5539	668.481	0
93.7821	-99999	94.747	17.3262	11.5892	667.128	0
94.5664	-99999	91.6461	17.5047	11.6553	659.747	0
92.6852	-99999	94.2485	17.796	11.7356	655.53	0
90.2798	-99999	93.1019	18.1634	11.8278	644.758	0
88.6265	-99999	87.1567	18.6379	11.9129	637.575	0
85.6167	-99999	85.3118	19.0851	11.976	645.248	0
82.2938	-99999	89.6732	19.4682	12.0272	644.632	0
83.5108	-99999	94.3861	19.7578	12.0516	649.649	0
85.4312	-99999	92.6658	20.0113	12.0264	656.151	0
82.3528	-99999	91.4805	20.1272	11.9681	645.799	0
81.9015	-99999	95.2963	20.1681	11.8834	635.642	0
85.7092	-99999	94.8453	20.1286	11.7954	646.747	0
89.1812	-99999	97.7862	20.0106	11.7092	649.115	0
92.9704	-99999	100.529	19.8658	11.6503	659.179	0
95.0599	-99999	100.81	19.7329	11.6293	655.993	0
95.8992	-99999	95.0506	19.6547	11.618	659.571	0
96.8556	-99999	92.7976	19.5972	11.6192	668.216	0
100.397	-99999	93.0185	19.6397	11.6364	669.907	0
102.072	-99999	93.4627	19.7589	11.6716	693.502	0
103.986	-99999	92.2835	19.8256	11.7213	711.44	0
103.737	-99999	90.2434	19.8973	11.7609	697.185	0
103.85	-99999	86.9355	20.0059	11.797	704.565	0

100.381	-99999	87.6135	19.9588	11.819	689.206	0
96.4711	-99999	90.2926	19.9441	11.8053	687.598	0
96.5343	-99999	89.5628	19.8845	11.7473	670.057	0
99.0447	-99999	90.6319	19.7754	11.6654	648.88	0
93.9861	-99999	91.7924	19.5455	11.5763	675.27	0
94.4333	-99999	91.3041	19.3117	11.4757	670.108	0
89.8727	-99999	93.4064	19.1543	11.361	659.029	0
85.9749	-99999	95.9394	18.9847	11.2457	654.739	0
85.809	-99999	98.4687	18.7338	11.1212	660.43	0
88.7141	-99999	95.9071	18.5893	10.98	656.683	0
89.2074	-99999	92.9062	18.4949	10.8321	650.431	0
90.0813	-99999	89.627	18.3946	10.6911	670.766	0
85.3851	-99999	83.5332	18.3022	10.5617	668.343	0
87.9347	-99999	80.8481	18.3677	10.4169	650.347	0
86.0464	-99999	80.6382	18.3756	10.2676	648.163	0
87.7168	-99999	76.2688	18.3665	10.1184	646.053	0
90.3933	-99999	77.6244	18.3634	9.97295	654.463	0
92.2246	-99999	79.1961	18.3431	9.82582	621.862	0
87.5497	-99999	80.4114	18.3077	9.69829	614.004	0
86.7097	-99999	83.0897	18.1712	9.60626	616.52	0
88.2318	-99999	86.8383	17.9975	9.56573	591.839	0
89.4294	-99999	88.0417	17.8275	9.57435	595.397	0
89.1493	-99999	87.9925	17.5606	9.63685	598.238	0
91.1119	-99999	88.342	17.3641	9.74973	586.825	0
92.9661	-99999	89.6709	17.1546	9.91885	575	0
92.6696	-99999	86.5063	16.9916	10.1666	558.202	0
89.1665	-99999	84.1678	16.9011	10.4913	565.733	0
94.6407	-99999	86.5782	16.8884	10.8965	578.476	0
99.1326	-99999	81.5178	16.9965	11.3727	594.632	0
97.7903	-99999	85.0605	17.2114	11.9039	617.461	0
94.4387	-99999	87.7746	17.4755	12.4576	620.303	0
92.3018	-99999	89.9058	17.8345	12.9766	622.942	0
93.3015	-99999	87.5878	18.2906	13.4482	615.856	0
94.6354	-99999	90.5314	18.8326	13.8321	616.047	0
95.3913	-99999	89.7169	19.3893	14.0911	624.479	0
95.6685	-99999	90.8391	19.9117	14.2165	624.744	0
91.372	-99999	85.7947	20.3757	14.1889	609.725	0
88.2481	-99999	95.4789	20.7378	14.0072	593.145	0
87.9569	-99999	88.8	20.9422	13.6609	577.213	0
91.4716	-99999	88.5188	20.9806	13.1885	565.088	0
93.565	-99999	89.1831	20.785	12.668	563.679	0
89.1627	-99999	91.9079	20.3538	12.1183	572.909	0
85.2502	-99999	88.7378	19.7348	11.601	586.837	0
87.7226	-99999	91.186	19.0249	11.1267	592.564	0
90.01	-99999	93.0565	18.2883	10.7157	597.858	0
89.1143	-99999	98.2123	17.5519	10.3708	607.11	0
87.4819	-99999	94.2876	16.8943	10.1084	611.541	0

86.3544	-99999	94.198	16.4039	9.94714	635.956	0
85.3102	-99999	91.5869	16.1177	9.87594	654.86	0
84.408	-99999	93.7491	16.0146	9.88166	652.005	0
85.9734	-99999	98.8072	16.0952	9.95656	652.451	0
84.3648	-99999	100.981	16.3702	10.0667	656.276	0
80.542	-99999	100.01	16.7109	10.2023	668.809	0
80.1061	-99999	96.3216	17.1598	10.3462	679.114	0
82.203	-99999	91.4034	17.636	10.4925	686.156	0
82.8108	-99999	90.6913	18.0801	10.6147	718.471	0
82.6494	-99999	95.4948	18.4559	10.7078	752.276	0
83.0096	-99999	98.9829	18.8	10.767	758.349	0
86.3474	-99999	92.9329	19.141	10.7803	769.769	0
86.6501	-99999	89.734	19.3597	10.7304	785.142	0
89.5441	-99999	91.4519	19.4776	10.6197	804.199	0
89.659	-99999	91.3351	19.5555	10.4751	816.252	0
89.9621	-99999	91.1767	19.501	10.3162	817.9	0
88.5242	-99999	90.9084	19.3301	10.1464	807.586	0
90.4934	-99999	88.7186	19.0761	9.9769	779.375	0
92.3339	-99999	85.558	18.8828	9.80361	754.22	0
93.7893	-99999	83.5809	18.6314	9.63677	759.015	0
95.5289	-99999	85.9721	18.3331	9.50055	765.48	0
98.3981	-99999	87.3959	18.1204	9.41097	773.378	0
98.4258	-99999	87.7171	17.9293	9.38114	770.225	0
100.158	-99999	90.9626	17.8639	9.41072	758.945	0
105.937	-99999	97.2472	17.9199	9.49358	779.868	0
108.164	-99999	103.434	18.0874	9.62621	809.118	0
111.604	-99999	104.386	18.39	9.79756	812.638	0
110.073	-99999	104.463	18.6883	10.023	801.386	0
108.051	-99999	108.255	18.9973	10.3049	815.458	0
108.617	-99999	109.948	19.4893	10.6396	795.239	0
107.963	-99999	107.385	19.9558	10.9997	778.365	0
106.661	-99999	107.555	20.4889	11.3346	751.572	0
104.748	-99999	107.702	21.0005	11.6098	750.346	0
95.4289	-99999	104.516	21.3602	11.8182	735.203	0
93.3618	-99999	101.019	21.7073	11.9609	718.146	0
86.8856	-99999	100.253	21.9006	12.0273	727.964	0
93.3849	-99999	97.8857	21.956	12.0065	707.815	0
97.2823	-99999	93.88	21.8563	11.8811	687.555	0
95.736	-99999	92.4888	21.5065	11.6469	687.348	0
96.9038	-99999	94.797	21.0326	11.3339	712.464	0
94.7761	-99999	92.6935	20.4084	10.9825	723.136	0
95.4478	-99999	89.6041	19.7447	10.6293	724.981	0
97.7675	-99999	85.2941	19.0873	10.2887	725.904	0
100.01	-99999	83.7706	18.4582	9.98267	721.881	0
102.238	-99999	86.7223	17.886	9.73007	715.957	0
96.2875	-99999	91.1858	17.431	9.53998	740.479	0
90.701	-99999	91.251	17.0962	9.4125	751.646	0

86.5134	-99999	89.0673	16.9007	9.3475	773.273	0
83.7369	-99999	88.3396	16.8658	9.33361	758.276	0
84.0565	-99999	86.3246	16.9215	9.37604	760.79	0
82.5631	-99999	84.3769	17.0468	9.45505	758.002	0
83.3039	-99999	83.4739	17.2327	9.58123	763.329	0
79.4821	-99999	82.2143	17.4541	9.71917	774.795	0
77.7166	-99999	78.1999	17.6829	9.87155	781.213	0
77.4756	-99999	74.3152	17.9071	10.0054	779.461	0
76.0076	-99999	79.1835	18.1656	10.1273	769.488	0
77.098	-99999	79.0674	18.3514	10.2058	774.121	0
80.3358	-99999	82.2052	18.4761	10.2613	791.659	0
82.269	-99999	87.1709	18.5429	10.2739	784.201	0
81.4217	-99999	90.7797	18.5742	10.2363	774.425	0
80.8033	-99999	96.1929	18.5455	10.1276	765.776	0
84.3263	-99999	97.2387	18.4509	9.98081	761.731	0
86.5633	-99999	102.905	18.3396	9.79381	751.912	0
86.6322	-99999	104.067	18.1493	9.5842	747.635	0
89.8395	-99999	101.897	17.9535	9.35665	746.932	0
89.3575	-99999	101.202	17.7644	9.13925	721.844	0
85.2157	-99999	99.3892	17.6031	8.94997	695.86	0
82.111	-99999	96.6693	17.4656	8.79255	699.81	0
82.4549	-99999	99.3724	17.3132	8.66233	694.15	0
85.5776	-99999	102.525	17.2808	8.58212	686.916	0
84.8389	-99999	104.206	17.3445	8.55112	679.486	0
84.4532	-99999	99.4998	17.4574	8.571	677.338	0
87.5401	-99999	99.9516	17.6672	8.64218	671.812	0
88.0499	-99999	98.7741	17.9223	8.78084	656.09	0
88.7507	-99999	98.5689	18.2392	8.98278	655.885	0
91.8897	-99999	97.7538	18.5383	9.22659	652.219	0
92.9047	-99999	96.5049	18.8429	9.51177	646.193	0
91.4408	-99999	91.8336	19.1556	9.80989	642.577	0
87.1844	-99999	86.229	19.3843	10.1152	636.135	0
83.8778	-99999	85.6225	19.5921	10.4293	645.904	0
83.3662	-99999	84.0102	19.7678	10.7552	651.402	0
78.5693	-99999	82.8013	19.8478	11.1094	672.253	0
75.1838	-99999	82.4545	19.9079	11.4843	691.34	0
71.4996	-99999	80.8474	19.9306	11.8317	707.393	0
64.7081	-99999	76.9465	20.0134	12.1159	724.559	0
65.826	-99999	76.9759	20.087	12.3369	749.639	0
64.3437	-99999	78.2778	20.2064	12.5099	760.786	0
64.5688	-99999	77.5391	20.2749	12.6206	778.556	0
64.7916	-99999	75.9441	20.2559	12.6781	760.09	0
61.9659	-99999	73.495	20.3129	12.691	741.169	0
61.7583	-99999	72.3961	20.2675	12.6287	713.787	0
61.0337	-99999	73.9743	20.2143	12.4753	714.981	0
63.7004	-99999	75.5529	20.1574	12.2534	729.606	0
67.913	-99999	76.9757	19.9998	12.0172	709.609	0

68.1615	-99999	76.8735	19.7658	11.7919	673.146	0
68.5885	-99999	76.5633	19.425	11.5768	689.017	0
68.3492	-99999	75.1654	19.2067	11.3847	687.838	0
67.3818	-99999	75.9334	19.0102	11.2045	700.036	0
70.9111	-99999	79.1265	18.7871	11.0337	720.018	0
72.7178	-99999	79.6131	18.6455	10.8686	728.636	0
74.9773	-99999	82.0447	18.537	10.7268	726.573	0
73.407	-99999	85.9473	18.4952	10.6425	691.012	0
79.5915	-99999	87.878	18.4929	10.5821	717.471	0
79.4583	-99999	85.0676	18.5472	10.5088	746.025	0
84.7139	-99999	81.8646	18.6416	10.4161	744.324	0
83.575	-99999	82.0334	18.6852	10.3134	747.828	0
85.3939	-99999	81.3976	18.7105	10.2042	751.767	0
81.8006	-99999	80.7554	18.7501	10.0777	741.761	0
85.2658	-99999	78.4355	18.8326	9.95947	741.835	0
86.2248	-99999	73.3205	18.969	9.85397	738.992	0
88.7935	-99999	72.8298	19.0552	9.76432	746.499	0
82.5831	-99999	71.2977	19.1751	9.69507	721.947	0
82.4554	-99999	69.512	19.3821	9.69155	705.648	0
79.1114	-99999	68.8098	19.5018	9.78421	705.006	0
80.878	-99999	68.8018	19.6813	9.92517	717.267	0
78.6449	-99999	70.1097	19.882	10.1006	721.869	0
78.0552	-99999	69.2152	20.0577	10.287	714.097	0
74.8487	-99999	68.5408	20.1663	10.4605	719.234	0
73.6564	-99999	68.4243	20.212	10.6213	714.918	0
72.4215	-99999	64.3657	20.2827	10.823	719.301	0
75.3972	-99999	66.038	20.2585	11.1232	742.494	0
77.8631	-99999	66.8686	20.1841	11.4713	780.142	0
78.5136	-99999	68.7798	20.1931	11.7951	774.021	0
79.3566	-99999	67.9261	20.2176	12.1515	741.235	0
81.1954	-99999	68.3218	20.2792	12.5049	739.843	0
81.6236	-99999	70.1293	20.3695	12.8534	755.952	0
80.7701	-99999	72.9377	20.4689	13.2531	771.127	0
78.7066	-99999	70.9405	20.4899	13.6554	792.511	0
76.6575	-99999	74.3857	20.51	14.0299	795.253	0
72.7764	-99999	73.6134	20.5801	14.2705	793.044	0
69.4805	-99999	75.8854	20.6435	14.3616	776.107	0
67.2167	-99999	76.7768	20.674	14.2626	790.373	0
69.6433	-99999	77.0511	20.632	13.9941	810.408	0
72.5951	-99999	73.6666	20.4925	13.6509	822.8	0
73.7538	-99999	74.8808	20.2603	13.2402	815.075	0
76.2573	-99999	73.9456	20.0173	12.7514	795.466	0
79.5581	-99999	73.4723	19.7659	12.2336	776.088	0
82.7514	-99999	69.2845	19.4742	11.6613	757.896	0
83.3222	-99999	67.5542	19.1866	11.1065	734.88	0
83.3534	-99999	66.6975	18.8769	10.6688	716.628	0
82.2476	-99999	66.4433	18.5547	10.4163	706.83	0

80.7973	-99999	69.3765	18.2434	10.2814	690.397	0
80.9395	-99999	72.7164	18.0765	10.2139	670.456	0
81.7651	-99999	72.6488	18.0225	10.2088	679.726	0
82.2514	-99999	74.1583	17.984	10.2405	679.551	0
81.272	-99999	74.2668	17.9713	10.3042	679.873	0
81.8312	-99999	75.1639	17.9151	10.3805	691.155	0
84.2893	-99999	78.033	17.8508	10.4566	707.762	0
87.2272	-99999	79.7906	17.8003	10.5031	705.323	0
89.6206	-99999	79.3723	17.7334	10.4984	689.098	0
90.5409	-99999	76.82	17.5706	10.434	689.079	0
91.7054	-99999	76.1608	17.294	10.3179	690.796	0
90.9166	-99999	74.997	16.9597	10.1832	683.345	0
89.1355	-99999	76.1662	16.6719	10.0362	686.893	0
89.321	-99999	78.9803	16.4167	9.86345	692.849	0
89.1422	-99999	80.8537	16.2011	9.67011	707.352	0
88.1424	-99999	81.9962	15.8983	9.45772	687.781	0
90.7888	-99999	81.3833	15.614	9.23297	692.689	0
90.8665	-99999	84.4412	15.3262	9.01344	705.417	0
86.399	-99999	90.3503	15.1155	8.82427	724.342	0
84.5143	-99999	93.61	14.9906	8.67939	739.997	0
82.2475	-99999	94.4139	14.925	8.56322	725.014	0
83.1906	-99999	94.5685	14.8718	8.46344	735.975	0
84.0904	-99999	96.4152	14.8403	8.3829	736.213	0
83.8355	-99999	94.7994	14.8619	8.32329	720.667	0
82.5484	-99999	92.8248	15.0247	8.29992	746.616	0
77.746	-99999	93.9279	15.1557	8.30088	773.79	0
78.811	-99999	91.324	15.2703	8.31696	794.877	0
82.1045	-99999	89.3557	15.4126	8.34586	789.542	0
84.5695	-99999	90.0689	15.4875	8.40127	818.834	0
88.3577	-99999	90.9237	15.5918	8.50105	842.806	0
89.6487	-99999	90.8174	15.693	8.6199	839.19	0
86.814	-99999	91.8965	15.7328	8.74898	860.036	0
97.2508	-99999	94.9995	15.9365	8.90921	880.107	0
95.9314	-99999	97.4148	16.0739	9.11755	893.764	0
95.8598	-99999	98.7845	16.2101	9.38091	885.275	0
94.8704	-99999	99.2435	16.3387	9.65928	873.328	0
97.5836	-99999	96.2053	16.4304	9.90888	886.818	0
94.3056	-99999	90.6409	16.6255	10.1054	856.001	0
93.1146	-99999	89.5951	16.7931	10.2133	870.985	0
91.8452	-99999	89.2076	16.8949	10.2585	899.045	0
92.7002	-99999	85.9613	16.951	10.2472	893.234	0
83.2653	-99999	85.0627	16.888	10.1803	918.769	0
85.4294	-99999	87.3044	16.8841	10.0561	956.109	0
86.8554	-99999	88.0273	16.945	9.88304	988.773	0
88.9134	-99999	88.1864	17.0029	9.69893	1025.27	0
86.173	-99999	87.1705	17.0394	9.53147	1040.9	0
88.7271	-99999	95.2845	16.9772	9.37109	1070.09	0

86.8176	-99999	98.9785	17.0164	9.23304	1095.73	0
87.3196	-99999	101.233	17.1539	9.13238	1099.65	0
86.3582	-99999	100.389	17.3769	9.08558	1117.85	0
87.0046	-99999	102.219	17.5873	9.06274	1126.03	0
84.9669	-99999	96.3595	17.8226	9.04614	1125.58	0
82.5497	-99999	92.4475	18.1381	9.04868	1143.31	0
79.1145	-99999	92.9401	18.5372	9.08908	1164.1	0
78.2843	-99999	96.1408	19.0007	9.18054	1192.39	0
76.5868	-99999	91.5364	19.4767	9.27595	1215.06	0
79.3896	-99999	88.237	19.8547	9.39756	1230.46	0
80.0298	-99999	83.641	20.1488	9.55922	1273.35	0
78.5476	-99999	86.6008	20.3821	9.77891	1307.41	0
77.2311	-99999	85.3221	20.6236	10.0645	1348.5	0
79.8327	-99999	88.98	20.7924	10.4335	1332.38	0
84.1741	-99999	92.405	20.8785	10.9358	1297.91	0
86.4823	-99999	93.4083	20.9695	11.5705	1295.46	0
86.8036	-99999	90.7614	21.033	12.347	1314.73	0
86.0398	-99999	92.9134	21.0021	13.2652	1337.64	0
83.5845	-99999	93.1528	20.9065	14.3242	1347.24	0
80.6975	-99999	92.7272	20.7882	15.5332	1335.75	0
81.6015	-99999	90.9416	20.5142	16.9564	1321.05	0
83.937	-99999	87.6759	20.0575	18.6347	1316.89	0
83.8982	-99999	88.5964	19.5257	20.5116	1352.62	0
82.4486	-99999	87.8955	18.9796	22.2068	1361.4	0
80.4845	-99999	88.088	18.4684	23.4899	1341.04	0
79.7069	-99999	92.6806	18.1273	24.2341	1324.68	0
81.2373	-99999	90.0172	18.0349	24.4081	1314.85	0
83.2801	-99999	88.9692	18.0735	24.0982	1328.56	0
84.982	-99999	93.1801	18.1247	23.3367	1348.32	0
85.5601	-99999	93.186	18.2906	22.0893	1351.54	0
85.3478	-99999	91.5735	18.4326	20.3487	1335.64	0
85.7805	-99999	90.2511	18.4947	18.2236	1332.6	0
85.9645	-99999	91.8906	18.4682	16.0727	1364.76	0
85.0558	-99999	89.5483	18.2544	14.1438	1396.92	0
88.0384	-99999	85.3232	17.8977	12.5727	1397.3	0
91.1801	-99999	86.1252	17.3556	11.3918	1383.64	0
92.122	-99999	88.1372	16.7737	10.5	1348.44	0
93.7574	-99999	88.2042	16.2508	9.82703	1323.84	0
91.785	-99999	89.6331	15.7592	9.32736	1309.02	0
98.2945	-99999	93.6802	15.4111	8.95478	1294.88	0
99.5166	-99999	93.4854	15.2142	8.686	1289.93	0
102.068	-99999	93.0049	15.1177	8.48087	1273.2	0
101.757	-99999	96.1776	15.0986	8.30666	1235.32	0
99.545	-99999	97.9216	15.0265	8.14776	1227.57	0
96.1978	-99999	95.883	14.9259	7.9983	1236.05	0
95.667	-99999	90.6228	14.8073	7.87333	1250.6	0
94.4678	-99999	87.9504	14.6373	7.77933	1285.63	0

93.9102	-99999	87.5074	14.4474	7.717	1288.54	0
87.7198	-99999	86.647	14.3098	7.67789	1284.82	0
87.8914	-99999	85.9121	14.1937	7.65519	1273.02	0
87.4231	-99999	86.3073	14.0623	7.67645	1266.89	0
94.1164	-99999	86.2697	13.953	7.75944	1268.43	0
90.8136	-99999	86.1213	13.9271	7.91525	1266.45	0
88.1081	-99999	89.1027	14.0224	8.14104	1261.49	0
87.874	-99999	91.4396	14.2379	8.41493	1262.37	0
85.9651	-99999	93.6688	14.6407	8.7289	1201.79	0
92.2057	-99999	93.3214	15.1381	9.03807	1240.91	0
89.6775	-99999	91.1304	15.6125	9.33244	1260.83	0
87.7151	-99999	90.0634	16.0435	9.6159	1253.85	0
84.2499	-99999	84.9545	16.4796	9.87926	1268.48	0
82.4223	-99999	79.9873	16.8389	10.0961	1280.76	0
84.4354	-99999	77.3307	17.0467	10.2209	1275.39	0
83.343	-99999	74.862	17.021	10.226	1264.4	0
85.3751	-99999	74.1756	16.7901	10.1175	1284.35	0
87.5414	-99999	73.8631	16.4058	9.90339	1313.99	0
84.7946	-99999	74.2003	15.9708	9.64944	1287.37	0
84.0668	-99999	73.1632	15.5849	9.38447	1291.66	0
84.3343	-99999	74.0868	15.2489	9.1062	1318.07	0
82.621	-99999	74.4387	14.9814	8.81909	1324.55	0
82.8766	-99999	77.2802	14.822	8.52674	1309.89	0
85.4607	-99999	79.6563	14.7643	8.28145	1322.59	0
86.539	-99999	82.2893	14.8283	8.09942	1315.41	0
87.0391	-99999	84.5846	14.9604	7.98918	1316.3	0
86.1857	-99999	85.1141	15.0961	7.93282	1307.28	0
83.3352	-99999	84.45	15.1877	7.91994	1291.58	0
81.9994	-99999	89.144	15.2236	7.92861	1295.81	0
83.4066	-99999	89.7736	15.2277	7.96672	1299.68	0
86.9705	-99999	92.8657	15.1784	8.043	1311.24	0
84.7341	-99999	94.6516	15.0367	8.17379	1323.28	0
81.6845	-99999	92.912	14.9032	8.35122	1312.44	0
78.9798	-99999	91.1844	14.8529	8.57344	1326.37	0
76.6055	-99999	90.4576	14.9187	8.81696	1308.73	0
75.3546	-99999	88.9487	15.0938	9.08424	1298.12	0
74.445	-99999	87.636	15.3612	9.32374	1318.5	0
73.8948	-99999	87.5497	15.6743	9.5215	1317.18	0
70.8861	-99999	87.0754	16.0439	9.72583	1308.45	0
69.3206	-99999	84.9281	16.4914	9.92011	1309.18	0
70.4281	-99999	84.3422	16.9365	10.0515	1306.27	0
71.907	-99999	83.9642	17.3561	10.0849	1328.98	0
73.8509	-99999	83.0935	17.7239	10.0306	1349.01	0
76.7282	-99999	81.9375	17.9513	9.89949	1375.62	0
81.5653	-99999	80.5233	18.0541	9.71286	1388.76	0
85.6147	-99999	84.0278	18.0645	9.53298	1383.45	0
87.0038	-99999	82.0651	18.0093	9.37737	1384.77	0

87.373	-99999	79.2548	17.8905	9.21267	1375.5	0
86.886	-99999	79.6162	17.7413	9.04164	1387.95	0
84.9098	-99999	79.5665	17.5876	8.88042	1408.78	0
84.3748	-99999	79.424	17.4489	8.77984	1396.11	0
84.356	-99999	78.3327	17.36	8.76756	1374.58	0
80.1957	-99999	80.5394	17.3719	8.84213	1370.09	0
78.193	-99999	82.4511	17.5739	9.00634	1378.74	0
80.6846	-99999	81.9325	17.9148	9.25102	1356.01	0
81.445	-99999	83.4789	18.2555	9.54692	1353.69	0
79.7927	-99999	85.9388	18.6358	9.86034	1374.8	0
77.5638	-99999	86.7418	18.9917	10.1793	1397.32	0
80.4472	-99999	83.2632	19.3954	10.5178	1416.2	0
83.8325	-99999	84.0675	19.7104	10.8363	1426.46	0
81.782	-99999	83.952	19.9362	11.0919	1432.48	0
81.6693	-99999	78.8641	19.9875	11.2697	1442.21	0
77.3952	-99999	75.5534	19.8372	11.3519	1434.3	0
72.7464	-99999	71.7524	19.5231	11.3212	1473.62	0
72.8925	-99999	67.9279	19.1965	11.1625	1486.42	0
76.3577	-99999	65.9544	18.7616	10.9366	1464.24	0
79.0558	-99999	65.7891	18.3279	10.7424	1418.22	0
77.2335	-99999	65.5097	17.8661	10.5975	1394.97	0
75.9857	-99999	61.4753	17.405	10.4717	1403.77	0
75.9351	-99999	60.7163	17.13	10.3597	1406.67	0
78.0254	-99999	61.2777	17.2203	10.2747	1407.46	0
80.2334	-99999	59.7401	17.3406	10.2013	1434.65	0
82.0593	-99999	62.0055	17.5048	10.1491	1431.95	0
81.1103	-99999	65.2725	17.7172	10.1545	1408.99	0
75.8878	-99999	65.1918	17.9159	10.1616	1407.4	0
72.4768	-99999	65.7038	18.1624	10.1106	1407.56	0
70.1316	-99999	67.7566	18.3325	9.96522	1400.48	0
70.5255	-99999	71.7196	18.3149	9.73291	1399.11	0
68.3189	-99999	72.3266	17.9177	9.45771	1371.28	0
70.3609	-99999	74.9396	17.262	9.17584	1362.3	0
72.0274	-99999	79.7082	16.6005	8.93304	1329.39	0
73.1602	-99999	81.1933	15.9604	8.72727	1298.93	0
76.0837	-99999	83.3685	15.3234	8.54146	1307.56	0
80.7364	-99999	86.0997	14.7384	8.3611	1334.66	0
81.9614	-99999	86.1451	14.1795	8.16084	1346.3	0
84.5285	-99999	89.9909	13.7956	8.01398	1330.56	0
85.346	-99999	94.1876	13.7015	7.96247	1304.51	0
91.1568	-99999	96.6828	13.7611	7.95638	1327.24	0
91.7971	-99999	97.3159	13.9258	7.97759	1285.65	0
88.9859	-99999	95.4356	14.1764	8.02301	1311.26	0
85.9744	-99999	93.4657	14.4234	8.0677	1338.05	0
84.7123	-99999	89.8264	14.622	8.09156	1333.83	0
86.3107	-99999	89.6245	14.8655	8.09722	1305.49	0
90.7357	-99999	89.7472	15.1509	8.10817	1293.65	0

88.0637	-99999	88.4363	15.3901	8.13693	1296.01	0
84.5356	-99999	88.6399	15.6125	8.20256	1273.94	0
81.7208	-99999	89.6005	15.8568	8.30208	1258.96	0
79.3699	-99999	89.8717	16.1267	8.43528	1277.7	0
83.3313	-99999	95.8006	16.4664	8.58013	1284.37	0
86.3794	-99999	96.4279	16.853	8.70687	1271.14	0
85.4821	-99999	100.92	17.1808	8.85463	1283.67	0
83.0846	-99999	100.813	17.4469	9.0373	1296.96	0
79.7155	-99999	102.945	17.7068	9.26025	1314.33	0
79.4434	-99999	100.797	18.0795	9.50601	1333.19	0
80.24	-99999	99.1148	18.4904	9.72698	1367.68	0
80.4281	-99999	102.236	18.8973	9.92886	1380.75	0
79.5171	-99999	102.11	19.2409	10.091	1378.6	0
78.0787	-99999	100.431	19.4396	10.2586	1372.45	0
76.7748	-99999	98.6745	19.6325	10.4771	1385.97	0
79.4698	-99999	91.8771	19.9079	10.7016	1394.51	0
81.0552	-99999	90.6667	20.1643	10.8756	1385.51	0
83.1904	-99999	89.2009	20.3674	10.9457	1382.37	0
86.7874	-99999	89.8834	20.4127	10.9434	1407.16	0
90.4117	-99999	87.0298	20.2786	10.8826	1427.3	0
94.5997	-99999	84.8115	20.0474	10.8013	1423.85	0
92.7834	-99999	80.5047	19.78	10.7094	1418.18	0
89.7531	-99999	75.1602	19.5073	10.5735	1409.97	0
87.8831	-99999	74.1491	19.1432	10.4027	1394.26	0
84.9568	-99999	79.1305	18.6969	10.1967	1390.44	0
85.7586	-99999	80.3878	18.2205	10.0079	1396.45	0
85.6475	-99999	80.4425	17.7528	9.86701	1390.38	0
84.2686	-99999	80.3091	17.3883	9.76761	1367.27	0
80.9705	-99999	79.4166	17.1665	9.69314	1343.63	0
80.4017	-99999	80.6566	17.0526	9.60438	1340.09	0
84.4175	-99999	82.4644	16.9532	9.48288	1334.22	0
86.403	-99999	85.2037	16.9257	9.32609	1335.59	0
89.0296	-99999	88.9607	16.9453	9.15175	1344.63	0
89.7295	-99999	88.4034	16.9514	8.98518	1341.9	0
87.5072	-99999	87.2125	16.9309	8.85172	1339.44	0
85.9578	-99999	86.0936	16.8342	8.75929	1336.51	0
86.4836	-99999	85.7722	16.6907	8.6784	1318.87	0
88.6362	-99999	87.1216	16.6262	8.6166	1328.13	0
85.9992	-99999	86.4624	16.5916	8.60084	1342.56	0
85.383	-99999	85.2847	16.6571	8.64968	1339.97	0
83.9174	-99999	82.264	16.7582	8.76834	1326.93	0
82.4275	-99999	79.1767	16.9968	8.97284	1310.15	0
83.0286	-99999	79.0349	17.3992	9.26753	1298.94	0
83.1943	-99999	80.7966	17.9125	9.60658	1301.84	0
82.9314	-99999	82.5634	18.5417	9.92844	1306.35	0
81.6816	-99999	84.0557	19.0424	10.1968	1317.35	0
79.4931	-99999	84.6664	19.3649	10.4332	1304.66	0

81.2007	-99999	85.2373	19.567	10.6257	1320.79	0
77.7221	-99999	87.1583	19.4754	10.76	1349.99	0
80.2827	-99999	91.5047	19.4054	10.8167	1383.68	0
81.0913	-99999	93.0109	19.2238	10.7724	1396.73	0
82.4368	-99999	92.0201	18.9139	10.6252	1418.07	0
88.3643	-99999	92.5016	18.4085	10.3884	1432.06	0
87.5585	-99999	96.0399	17.8375	10.1122	1454.4	0
86.6776	-99999	95.1915	17.368	9.85013	1456.53	0
86.5911	-99999	94.7385	16.9299	9.60342	1468.56	0
89.5485	-99999	94.6513	16.548	9.3621	1436.37	0
89.0602	-99999	97.6868	16.173	9.10086	1449.72	0
89.3788	-99999	97.0283	15.7102	8.8573	1427.73	0
87.8427	-99999	99.9881	15.3	8.65469	1419.57	0
84.4305	-99999	101.02	14.9301	8.48651	1390.75	0
77.429	-99999	98.9387	14.6907	8.36477	1366.36	0
79.4203	-99999	95.1496	14.4518	8.28664	1331.28	0
81.9895	-99999	93.8706	14.2953	8.26491	1323.2	0
79.1762	-99999	88.6238	14.2164	8.24821	1311.9	0
75.6683	-99999	85.461	14.1631	8.24258	1308.84	0
76.6757	-99999	81.7674	14.1978	8.28972	1267.11	0
74.5217	-99999	80.4014	14.2665	8.34181	1276.68	0
74.0254	-99999	77.0217	14.3061	8.39404	1290.7	0
76.0382	-99999	75.8717	14.3779	8.45124	1317.65	0
80.7478	-99999	76.0851	14.456	8.49752	1319.95	0
84.0459	-99999	79.5911	14.5269	8.51169	1326.81	0
86.1273	-99999	83.4305	14.5479	8.48421	1320.04	0
88.5349	-99999	85.9955	14.4709	8.47318	1320.97	0
92.4494	-99999	92.0937	14.3959	8.46864	1309.24	0
95.6499	-99999	91.6818	14.3485	8.48272	1316.6	0
94.877	-99999	92.6099	14.3379	8.51026	1309.94	0
96.6631	-99999	91.3607	14.3779	8.5334	1294.9	0
97.7107	-99999	91.4453	14.4568	8.55196	1279.49	0
93.0845	-99999	86.1667	14.5759	8.56756	1265.85	0
91.1377	-99999	79.9356	14.7028	8.60484	1279.47	0
91.9251	-99999	78.3628	14.8613	8.67976	1299.54	0
91.7578	-99999	79.964	15.083	8.78924	1304.6	0
88.1766	-99999	79.0193	15.3082	8.92007	1307.62	0
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93.0009	-99999	78.7741	15.6864	9.10058	1277.35	0
92.9557	-99999	79.0093	15.8229	9.17863	1296.29	0
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93.9676	-99999	83.9759	15.9825	9.34314	1322.04	0
95.3051	-99999	85.5195	16.0428	9.43723	1285.74	0
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95.5519	-99999	86.3283	16.112	9.51887	1252.92	0
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96.556	-99999	75.5379	16.0288	9.46018	1264.18	0

94.9257	-99999	76.7362	15.8882	9.41303	1252.55	0
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100.265	-99999	78.4979	15.5503	9.32602	1187.13	0
101.589	-99999	81.2519	15.4308	9.28778	1178.81	0
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94.1731	-99999	76.8098	15.1162	9.13278	1220.45	0
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90.0519	-99999	85.3688	15.087	9.08801	1249.93	0
90.3078	-99999	86.8057	15.1552	9.06536	1254.26	0
88.3399	-99999	86.7585	15.2032	9.01513	1275.33	0
85.0717	-99999	84.7244	15.1704	8.92335	1290.73	0
82.4867	-99999	82.6537	14.9992	8.79987	1291.86	0
80.907	-99999	82.5248	14.7524	8.65992	1298.99	0
84.1175	-99999	84.537	14.4219	8.51246	1309.46	0
83.1306	-99999	83.8318	14.0063	8.35531	1339.1	0
86.1816	-99999	81.7924	13.5889	8.19482	1341.53	0
85.8005	-99999	80.1576	13.2009	8.0431	1346.71	0
86.3278	-99999	76.7796	12.7965	7.91013	1343.11	0
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79.8868	-99999	72.1542	12.127	7.72006	1335.85	0
79.3093	-99999	71.5523	12.1	7.72196	1327.05	0
75.9833	-99999	69.7501	12.1643	7.75957	1313.98	0
79.6158	-99999	69.8802	12.2757	7.8177	1282.97	0
82.009	-99999	69.8504	12.4228	7.88064	1257.42	0
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78.7417	-99999	72.9575	12.7669	7.99317	1215.83	0
77.1751	-99999	75.7212	12.9495	8.04036	1176.57	0
75.6134	-99999	76.3234	13.1001	8.07601	1155.36	0
77.0688	-99999	72.5256	13.1848	8.09899	1189.3	0
80.5843	-99999	74.314	13.2488	8.11013	1152.86	0
78.7119	-99999	74.0101	13.3212	8.09962	1165.84	0
73.5851	-99999	75.3966	13.3814	8.07306	1153.27	0
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76.0144	-99999	75.2865	13.3604	7.99061	1171.6	0
75.4576	-99999	72.7776	13.332	7.96218	1186.97	0
76.9775	-99999	73.9084	13.2764	7.95057	1207.96	0
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77.707	-99999	76.6471	13.2833	8.02228	1163.3	0
76.0198	-99999	77.5377	13.3676	8.08923	1153.93	0
79.819	-99999	79.6043	13.5254	8.15585	1160.52	0
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90.3113	-99999	90.3675	14.5331	8.63597	1175.82	0
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91.7146	-99999	101.363	15.1149	8.92565	1177.83	0
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92.3563	-99999	104.65	15.5365	9.09612	1193.78	0
90.1734	-99999	102.588	15.5695	9.157	1178.36	0
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83.5038	-99999	105.136	15.6681	9.33509	1154.03	0
82.5455	-99999	98.7795	15.8176	9.4209	1116.73	0
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84.8909	-99999	91.1956	16.0019	9.48196	1085.23	0
87.4537	-99999	84.9998	16.0185	9.48287	1062.19	0
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89.7752	-99999	78.0166	16.0881	9.50358	1055.91	0
91.5124	-99999	80.0188	16.1867	9.50919	1063.08	0
91.5937	-99999	76.585	16.2343	9.47556	1079.05	0
92.4634	-99999	75.2023	16.1681	9.37477	1089.5	0
91.6953	-99999	75.4495	16.048	9.25025	1101.81	0
90.6082	-99999	75.3259	15.922	9.13565	1120.87	0
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90.6588	-99999	81.9663	15.714	8.93594	1187.75	0
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89.6198	-99999	83.7978	15.543	8.71568	1252.53	0
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91.4048	-99999	88.1731	15.4132	8.544	1296.52	0
91.9001	-99999	89.1218	15.3895	8.48958	1341.83	0
92.046	-99999	90.8187	15.3941	8.46076	1372.41	0
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93.4872	-99999	91.2745	15.5045	8.51502	1361.32	0
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94.4918	-99999	95.8832	15.7197	8.67954	1370.51	0
91.894	-99999	97.2945	15.8674	8.78802	1377.6	0
91.3279	-99999	96.9758	16.0547	8.91785	1344.89	0
86.7521	-99999	95.2572	16.2164	9.06994	1318.77	0
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81.0034	-99999	95.613	16.7019	9.45334	1334.98	0
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88.3405	-99999	91.1917	16.9009	9.49054	1248.58	0
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92.2794	-99999	97.4377	16.686	9.38015	1245.5	0
91.7077	-99999	99.5169	16.6147	9.29832	1246.68	0
94.176	-99999	97.4333	16.5159	9.20986	1256.3	0
94.5065	-99999	96.7386	16.4043	9.12077	1271.12	0
85.5721	-99999	94.7308	16.3218	9.07635	1302.16	0
87.562	-99999	95.6276	16.289	9.0576	1329.1	0

87.2957	-99999	97.5432	16.3199	9.05153	1326.53	0
83.2728	-99999	99.3186	16.3052	9.06027	1334.08	0
79.054	-99999	98.8985	16.3446	9.0607	1345.21	0
83.1882	-99999	97.3172	16.2936	9.05933	1347.15	0
86.2258	-99999	98.0283	16.2315	9.06987	1320.32	0
85.0619	-99999	96.7436	16.1648	9.09081	1281.72	0
84.9305	-99999	100.253	16.1174	9.11752	1236.01	0
88.3953	-99999	104.011	16.1538	9.1514	1199.95	0
86.1344	-99999	100.682	16.1646	9.20916	1150.36	0
88.5302	-99999	100.057	16.2615	9.27117	1179.75	0
90.5365	-99999	99.3888	16.4814	9.3277	1169.74	0
99.6425	-99999	100.511	16.6752	9.37981	1153.76	0
97.8746	-99999	96.8013	16.9102	9.44017	1156.42	0
101.011	-99999	95.0157	17.1818	9.52181	1143.2	0
103.341	-99999	94.0363	17.3813	9.62061	1178.08	0
103.885	-99999	90.4632	17.5713	9.72053	1203.98	0
101.92	-99999	92.1564	17.7236	9.79947	1215.25	0
100.428	-99999	95.8884	17.8448	9.86564	1231.76	0
102.036	-99999	94.1391	17.8528	9.90716	1219.16	0
96.6299	-99999	91.4473	17.8216	9.9467	1215.98	0
91.4367	-99999	92.6606	17.7916	9.99422	1220.56	0
91.5424	-99999	95.1338	17.8068	10.0248	1243.22	0
90.0496	-99999	95.9565	17.8585	10.0426	1266.37	0
89.5051	-99999	96.4916	17.9678	10.0651	1283.33	0
86.9164	-99999	98.4497	18.0638	10.0822	1294.89	0
90.6024	-99999	96.5504	18.1164	10.0888	1324.87	0
95.263	-99999	92.9408	18.1587	10.0715	1342.88	0
95.5795	-99999	95.8061	18.2164	10.0503	1387.1	0
99.0333	-99999	95.7761	18.2146	10.0226	1394.57	0
101.353	-99999	92.1181	18.1379	9.96241	1389.79	0
103.993	-99999	92.7975	17.9628	9.85876	1395.26	0
101.794	-99999	89.5563	17.7332	9.71968	1380.5	0
101.021	-99999	93.161	17.4928	9.54505	1342.18	0
105.214	-99999	91.3985	17.1876	9.37549	1305.45	0
104.285	-99999	93.3206	16.829	9.22361	1277.62	0
101.938	-99999	91.6693	16.4431	9.09811	1248.86	0
100.89	-99999	88.1154	16.1059	9.00767	1205.12	0
100.932	-99999	91.4051	15.9222	8.96185	1196.69	0
96.7632	-99999	90.0719	15.8729	8.97766	1198.52	0
90.31	-99999	87.8091	15.9062	9.05201	1198.61	0
94.113	-99999	91.768	16.0727	9.18757	1217.04	0
97.7989	-99999	91.8631	16.3774	9.38422	1246.64	0
95.5906	-99999	89.7551	16.8577	9.62057	1299.6	0
93.7404	-99999	88.0458	17.4682	9.86573	1340.85	0
91.1755	-99999	90.5836	18.103	10.1272	1372.29	0
89.5236	-99999	92.7554	18.6431	10.3646	1408.79	0
88.6514	-99999	86.8671	19.0885	10.5462	1438.57	0

91.2013	-99999	86.646	19.458	10.6832	1465.58	0
91.8854	-99999	85.4773	19.7986	10.7692	1505.59	0
86.0704	-99999	79.842	19.9505	10.7947	1555.05	0
82.69	-99999	78.5357	19.9813	10.7598	1593.28	0
82.6481	-99999	81.5697	19.9133	10.6907	1604.94	0
82.9749	-99999	82.6405	19.8371	10.5913	1642.24	0
85.8632	-99999	79.5335	19.8239	10.4706	1683.09	0
86.1946	-99999	79.0037	19.851	10.3486	1708.3	0
85.143	-99999	81.179	19.8107	10.2083	1731.82	0
86.2047	-99999	80.725	19.6931	10.0648	1765.38	0
88.66	-99999	83.2101	19.5646	9.94467	1782.86	0
91.3087	-99999	86.7782	19.4925	9.85522	1788.17	0
93.8801	-99999	86.6787	19.3736	9.7863	1826.04	0
96.4508	-99999	84.1616	19.2801	9.72615	1860.46	0
93.393	-99999	81.29	19.1108	9.66689	1856.53	0
92.3448	-99999	80.4772	18.8651	9.58925	1868.52	0
93.5748	-99999	79.4898	18.6735	9.52128	1885.18	0
97.0072	-99999	79.8625	18.5606	9.47777	1901.52	0
95.2554	-99999	80.9102	18.5244	9.44494	1886.56	0
93.0615	-99999	79.9894	18.4406	9.40311	1877.68	0
88.5794	-99999	79.9226	18.3524	9.33919	1887.54	0
83.7714	-99999	81.081	18.3228	9.26012	1836.79	0
81.3731	-99999	81.1886	18.2031	9.1817	1801.55	0
87.3133	-99999	81.5606	18.0826	9.10065	1750.97	0
85.7698	-99999	82.567	17.9155	9.01401	1696.48	0
82.5988	-99999	82.7377	17.6399	8.93234	1628.15	0
77.2482	-99999	81.2926	17.4133	8.87606	1586.17	0
78.237	-99999	81.9525	17.1888	8.85653	1546.51	0
77.714	-99999	83.377	17.0084	8.86421	1496.28	0
83.0743	-99999	82.051	16.8809	8.9026	1440.56	0
87.5352	-99999	80.2968	16.8439	8.98332	1428.58	0
87.0717	-99999	81.8104	16.9003	9.08577	1425.73	0
80.8417	-99999	82.678	17.053	9.20266	1446.96	0
83.6047	-99999	79.7235	17.2588	9.31459	1418.96	0
84.0497	-99999	79.8634	17.5538	9.3979	1421.48	0
85.6511	-99999	82.1268	17.8799	9.44774	1427.66	0
89.3105	-99999	83.2588	18.1511	9.46049	1452.3	0
90.5244	-99999	86.9446	18.3973	9.46098	1476.85	0
90.1586	-99999	85.6796	18.553	9.43886	1487.64	0
88.7513	-99999	88.9731	18.6631	9.37917	1464.64	0
89.1649	-99999	88.4525	18.6892	9.27953	1456.97	0
93.1182	-99999	87.7369	18.6762	9.17066	1446.73	0
91.4841	-99999	90.237	18.5377	9.08431	1458.21	0
93.963	-99999	90.3479	18.335	9.0273	1443.33	0
96.1933	-99999	87.7284	18.1082	8.99363	1409.74	0
94.2562	-99999	85.5557	17.9967	8.99718	1373.01	0
91.6886	-99999	83.3487	17.9337	9.02471	1335.28	0

88.1229	-99999	87.3335	17.9174	9.08405	1317.99	0
86.6363	-99999	84.1074	17.8381	9.16007	1330.87	0
86.2131	-99999	86.1138	17.8168	9.29847	1312.16	0
85.0713	-99999	86.1189	17.9112	9.4682	1287.97	0
82.9921	-99999	86.3874	18.1559	9.64711	1275.25	0
80.699	-99999	82.8369	18.4786	9.83235	1299.5	0
78.7005	-99999	82.0803	18.803	10.0168	1318.99	0
78.2205	-99999	74.4321	19.063	10.1911	1328.49	0
79.1662	-99999	70.5894	19.3622	10.3657	1345.96	0
77.9797	-99999	69.7279	19.6594	10.5156	1348.29	0
76.3136	-99999	66.8555	19.9493	10.629	1322.15	0
74.9199	-99999	64.3343	20.1478	10.6895	1330.17	0
75.7077	-99999	65.2101	20.1922	10.6946	1356.63	0
78.9527	-99999	66.4911	20.1242	10.6533	1371.87	0
80.7039	-99999	70.5697	19.9455	10.5736	1367.79	0
80.7514	-99999	75.7701	19.787	10.4957	1382.08	0
80.9981	-99999	81.8395	19.6201	10.3994	1385.7	0
80.8115	-99999	81.1497	19.3564	10.2709	1389.52	0
81.7203	-99999	81.7199	19.1009	10.1266	1403.6	0
82.685	-99999	81.4808	18.882	10.0049	1421.18	0
80.5495	-99999	80.4571	18.7103	9.90292	1416.24	0
77.52	-99999	83.063	18.6138	9.83725	1391.15	0
72.4614	-99999	85.9544	18.5707	9.81246	1385.28	0
68.7222	-99999	86.4772	18.5428	9.82078	1375.27	0
65.3532	-99999	86.8069	18.4961	9.82636	1358.72	0
62.8019	-99999	88.924	18.449	9.82749	1351.61	0
63.6973	-99999	88.9694	18.3951	9.82895	1337.64	0
67.4595	-99999	89.0022	18.3477	9.8247	1331.77	0
71.7291	-99999	90.4406	18.2895	9.80909	1320.19	0
78.4628	-99999	91.7948	18.1881	9.78028	1326.38	0
80.8353	-99999	91.9642	18.0617	9.7391	1331.05	0
84.8921	-99999	92.7445	17.9825	9.68272	1330.05	0
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92.9459	-99999	92.2919	17.8148	9.4851	1324.13	0
95.8483	-99999	91.7939	17.8077	9.37229	1308.65	0
96.2065	-99999	91.888	17.8272	9.26637	1298.16	0
93.2089	-99999	93.0093	17.8397	9.17615	1280.31	0
91.2082	-99999	93.4834	17.8046	9.10519	1244.07	0
88.2104	-99999	89.728	17.7713	9.059	1191.87	0
91.0751	-99999	84.5742	17.7205	9.0379	1172.21	0
91.8025	-99999	81.7793	17.6075	9.04194	1133.88	0
94.8102	-99999	81.0324	17.5673	9.07829	1092.36	0
91.2903	-99999	80.822	17.5748	9.14715	1044.83	0
91.9315	-99999	81.4465	17.5355	9.25433	1017.72	0
92.2605	-99999	80.0237	17.554	9.39681	988.913	0
95.3975	-99999	77.7212	17.6298	9.58087	974.874	0
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95.1312	-99999	84.3336	18.1534	10.085	941.739	0
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91.2198	-99999	88.8625	19.3356	11.01	910.521	0
94.4957	-99999	89.7913	19.6935	11.3519	908.404	0
91.7633	-99999	89.945	20.0521	11.6669	899.698	0
93.9372	-99999	92.6933	20.3559	11.9418	868.611	0
91.8484	-99999	94.0733	20.5919	12.1306	841.951	0
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86.0565	-99999	85.5809	20.7812	11.849	832.949	0
89.2941	-99999	82.5693	20.7104	11.5681	801.827	0
88.0425	-99999	77.88	20.5735	11.2258	790.036	0
86.1303	-99999	75.6703	20.3698	10.8531	787.042	0
82.6001	-99999	75.8753	20.2297	10.5038	783.135	0
80.8642	-99999	74.9275	20.013	10.1984	768.617	0
77.841	-99999	73.9215	19.8524	9.95343	754.741	0
75.0644	-99999	73.9158	19.7774	9.79493	762.327	0
80.4709	-99999	72.326	19.7687	9.7122	749.62	0
85.2859	-99999	67.8774	19.8069	9.7303	730.05	0
83.4318	-99999	68.2836	19.8298	9.85058	734.268	0
82.5236	-99999	68.7248	19.9	10.0665	732.606	0
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76.5591	-99999	89.0806	20.084	12.9624	748.982	0
75.3082	-99999	86.8685	19.926	13.0143	747.08	0
72.4043	-99999	87.5018	19.6971	12.9067	739.853	0
72.1368	-99999	92.0717	19.4439	12.6543	718.339	0
75.0445	-99999	87.8506	19.1756	12.3172	709.118	0
73.9158	-99999	89.0954	18.8343	11.9035	707.456	0
73.0588	-99999	81.8002	18.4839	11.4633	716.058	0
73.2733	-99999	82.3397	18.2002	11.0034	716.815	0
76.1941	-99999	85.8123	17.8981	10.5422	731.017	0
79.5637	-99999	81.547	17.5906	10.1287	727.366	0
80.1997	-99999	84.5928	17.3314	9.79218	721.748	0
81.44	-99999	81.3942	17.1532	9.55082	722.492	0
81.7048	-99999	78.4034	17.08	9.4114	731.923	0
79.4337	-99999	77.727	17.1126	9.35699	752.548	0
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78.6555	-99999	76.113	18.6963	10.0208	798.457	0
81.6967	-99999	73.9614	19.0815	10.267	800.245	0
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87.8939	-99999	75.2839	19.5648	10.731	779.761	0
89.2019	-99999	76.321	19.371	10.6991	782.502	0
83.9745	-99999	79.5466	19.0499	10.6155	813.564	0
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82.2064	-99999	78.1216	18.2393	10.2968	856.19	0
79.4062	-99999	78.2362	17.8381	10.0725	881.726	0
77.8385	-99999	78.3537	17.431	9.84827	907.605	0
76.4087	-99999	83.5447	17.0887	9.6498	957.064	0
76.695	-99999	85.1356	16.8917	9.49332	992.459	0
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72.0849	-99999	86.8995	16.7953	9.35535	1018.22	0
80.1419	-99999	87.0935	16.9227	9.36144	1005.17	0
78.1406	-99999	88.044	17.0882	9.40835	1003.33	0
76.1752	-99999	89.3092	17.3041	9.50952	1027.99	0
81.8422	-99999	90.2413	17.6506	9.66223	1049.82	0
82.9436	-99999	90.4624	18.074	9.86386	1077.96	0
88.4031	-99999	89.2737	18.4957	10.1039	1073.54	0
89.5457	-99999	90.6469	18.9421	10.3806	1070.95	0
94.0897	-99999	89.9582	19.3208	10.6677	1076.84	0
93.4535	-99999	87.0628	19.7969	10.9412	1084.88	0
87.9981	-99999	86.5629	20.2257	11.1977	1097.79	0
89.8092	-99999	86.3543	20.763	11.4211	1095.06	0
88.474	-99999	85.0381	21.1975	11.6009	1075.35	0
82.4073	-99999	84.7494	21.5199	11.7256	1029.07	0
83.1318	-99999	81.0197	21.6857	11.7773	975.891	0
80.3755	-99999	78.8245	21.7672	11.7671	939.78	0
78.6936	-99999	80.8913	21.7092	11.6689	887.164	0
76.0271	-99999	81.0659	21.5187	11.495	858.104	0
74.3505	-99999	82.0279	21.1012	11.2645	824.55	0
76.4196	-99999	79.8421	20.6118	10.9893	770.031	0
74.8156	-99999	79.0719	19.9322	10.6862	735.522	0
76.3739	-99999	78.7052	19.2144	10.3566	701.274	0
76.7178	-99999	75.0174	18.4438	10.0387	694.843	0
73.6746	-99999	74.9565	17.7139	9.73016	666.4	0
76.2841	-99999	75.9922	16.9877	9.44559	648.98	0
77.9611	-99999	75.6464	16.3209	9.21039	656.217	0
81.1681	-99999	77.7115	15.8033	9.0116	651.754	0
82.7467	-99999	77.8514	15.3724	8.85802	645.543	0
83.4956	-99999	80.7768	15.0235	8.7537	647.771	0
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82.8465	-99999	90.3931	14.7606	8.71165	632.453	0
84.5999	-99999	95.8729	14.9104	8.77797	641.339	0
82.1057	-99999	95.9317	15.1803	8.87148	660.881	0
81.5328	-99999	90.9385	15.497	8.98842	667.527	0
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80.6505	-99999	94.3784	16.4435	9.41748	701.472	0
78.4231	-99999	91.9306	16.6823	9.55091	724.568	0
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80.8259	-99999	89.5046	17.0667	9.77801	775.668	0
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81.0342	-99999	87.9902	17.2787	9.96113	791.485	0
78.3879	-99999	90.4698	17.3713	10.0254	802.183	0
77.1028	-99999	91.0155	17.497	10.0808	816.116	0
76.7551	-99999	86.5803	17.6137	10.1225	843.104	0
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82.5397	-99999	84.1454	18.0211	10.2359	919.015	0
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80.895	-99999	79.3794	18.4006	10.2936	975.696	0
81.904	-99999	77.8305	18.5898	10.3166	1006.56	0
83.4107	-99999	79.0402	18.7731	10.3472	1020.92	0
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82.9418	-99999	77.3113	19.1529	10.4371	1018.54	0
79.8115	-99999	76.4121	19.3905	10.4846	1021.96	0
77.5663	-99999	77.3912	19.5817	10.5242	994.703	0
76.8524	-99999	77.594	19.6946	10.5527	963.819	0
74.1391	-99999	76.8945	19.7442	10.5767	943.32	0
74.9798	-99999	76.4877	19.7768	10.5964	924.013	0
79.1968	-99999	72.6695	19.8118	10.6103	901.061	0
79.0979	-99999	69.1967	19.7991	10.6113	892.993	0
75.7594	-99999	67.402	19.7764	10.5909	891.214	0
73.6456	-99999	69.6967	19.7548	10.559	868.955	0
72.0173	-99999	70.8815	19.6411	10.5203	833.514	0
71.2945	-99999	70.4819	19.5125	10.4751	830.211	0
71.2566	-99999	70.5651	19.5017	10.4319	833.564	0
72.2465	-99999	69.2363	19.5032	10.3799	843.914	0
68.589	-99999	70.4632	19.5173	10.3104	838.855	0
67.4875	-99999	73.7751	19.4255	10.2239	845.154	0
69.9206	-99999	74.0131	19.3712	10.1252	831.019	0
71.8733	-99999	76.1415	19.2141	10.0221	809.86	0
73.186	-99999	76.9418	18.9924	9.91864	810.83	0
72.0307	-99999	76.3339	18.8104	9.81518	825.872	0
72.4204	-99999	77.1475	18.6496	9.72087	809.324	0
70.5864	-99999	77.7502	18.3038	9.63272	799.193	0
69.943	-99999	76.5993	18.0245	9.5658	805.928	0
69.4838	-99999	73.5367	17.7424	9.52679	802.707	0

68.3333	-99999	72.627	17.5351	9.51018	807.265	0
62.4785	-99999	72.8661	17.364	9.52707	816.929	0
62.2459	-99999	70.9042	17.3116	9.5574	824.537	0
60.5542	-99999	69.4616	17.3694	9.5976	822.273	0
65.7896	-99999	67.6463	17.4929	9.64681	823.772	0
61.5723	-99999	65.1199	17.655	9.69164	825.003	0
62.6482	-99999	64.6605	17.8322	9.7289	789.918	0
63.8429	-99999	67.6505	17.9579	9.74034	761.111	0
65.8316	-99999	69.663	18.0796	9.73209	742.173	0
65.2816	-99999	68.6228	18.1445	9.69829	702.421	0
68.2011	-99999	68.1624	18.1604	9.63126	700.878	0
71.9124	-99999	66.7803	18.0364	9.56139	726.799	0
73.434	-99999	66.8133	17.8429	9.47856	721.398	0
77.4362	-99999	65.8851	17.5639	9.40269	707.372	0
81.9064	-99999	70.2156	17.3028	9.33499	718.923	0
86.0094	-99999	69.9462	17.0759	9.27771	739.5	0
86.3999	-99999	68.0408	16.8948	9.25001	763.575	0
87.7126	-99999	65.3063	16.7299	9.24077	797.147	0
85.3907	-99999	67.5865	16.6405	9.25539	822.919	0
82.4537	-99999	72.2086	16.6233	9.29145	814.636	0
83.6239	-99999	73.7017	16.7143	9.34206	775.161	0
84.7354	-99999	73.3626	16.8286	9.40716	782.261	0
80.8778	-99999	76.052	17.0032	9.46176	773.225	0
78.4808	-99999	71.9961	17.1552	9.5148	763.853	0
75.2528	-99999	73.4894	17.2904	9.54972	761.136	0
72.9318	-99999	76.4653	17.4121	9.56017	734.584	0
70.0485	-99999	79.4519	17.4733	9.5585	716.512	0
72.1921	-99999	76.9984	17.4987	9.53934	717.115	0
72.8335	-99999	69.7194	17.4315	9.51249	730.906	0
66.2879	-99999	68.711	17.3102	9.46214	736.039	0
64.2918	-99999	66.7263	17.1583	9.4031	736.066	0
64.6519	-99999	65.333	16.9592	9.3441	755.428	0
64.3644	-99999	65.6458	16.7899	9.29038	758.866	0
64.7032	-99999	62.6481	16.6069	9.26026	758.25	0
64.6454	-99999	61.0748	16.4533	9.25211	768.999	0
65.9376	-99999	59.7343	16.3697	9.25893	777.532	0
64.3552	-99999	64.8177	16.2887	9.27149	776.513	0
63.8163	-99999	72.9972	16.2405	9.29047	786.253	0
67.2072	-99999	77.3046	16.1854	9.31801	817.61	0
69.2248	-99999	79.7362	16.1575	9.35144	837.985	0
72.9017	-99999	79.6229	16.131	9.38094	859.674	0
76.7876	-99999	81.3802	16.1042	9.40989	884.31	0
78.5333	-99999	87.9481	16.0971	9.42795	903.45	0
78.3824	-99999	88.771	16.0688	9.43632	916.787	0
77.0709	-99999	88.1577	15.999	9.43882	934.933	0
77.9278	-99999	82.4015	15.9701	9.44682	939.501	0
80.4038	-99999	76.813	15.9562	9.44088	923.077	0

79.9914	-99999	76.3318	15.975	9.42875	917.945	0
78.1194	-99999	77.5811	15.9821	9.41111	906.701	0
78.3943	-99999	81.2396	16.0217	9.38283	896.54	0
76.3316	-99999	80.7583	16.052	9.33811	881.531	0
73.6071	-99999	76.2652	16.08	9.28814	855.384	0
74.8584	-99999	74.1529	16.0989	9.2345	812.205	0
77.2244	-99999	74.5773	16.1545	9.16995	765.712	0
76.6737	-99999	77.5779	16.1558	9.1003	759.7	0
74.2922	-99999	83.3242	16.1438	9.03438	760.875	0
72.857	-99999	84.6402	16.1668	8.97454	734.731	0
72.1969	-99999	84.0816	16.234	8.92577	730.176	0
70.071	-99999	81.4785	16.2956	8.89305	722.914	0
72.947	-99999	79.6861	16.3503	8.88216	715.446	0
79.5008	-99999	79.3365	16.5098	8.88439	712.629	0
84.6879	-99999	78.0694	16.6508	8.89816	738.642	0
87.6659	-99999	77.8863	16.7887	8.93745	742.299	0
88.8696	-99999	76.7929	16.9605	8.99623	739.647	0
89.2699	-99999	74.6566	17.1303	9.06483	737.317	0
87.7374	-99999	73.1148	17.2554	9.13818	735.648	0
85.5391	-99999	72.8342	17.2898	9.21572	725.393	0
85.549	-99999	72.68	17.3253	9.28879	728.755	0
84.3335	-99999	72.3065	17.3928	9.35316	728.894	0
79.5294	-99999	75.2959	17.3244	9.41964	737.354	0
76.5331	-99999	77.6842	17.2956	9.49712	735.164	0
75.7417	-99999	77.7451	17.1717	9.55871	735.709	0
75.6888	-99999	76.5691	17.083	9.60226	744.648	0
74.6633	-99999	75.2691	17.0184	9.64777	763.558	0
78.9613	-99999	77.5493	16.9526	9.68099	779.872	0
83.4665	-99999	75.5156	16.9842	9.70103	776.574	0
78.4941	-99999	76.308	17.0545	9.71241	767.447	0
80.7409	-99999	76.7657	17.1159	9.71064	763.474	0
81.7273	-99999	76.1773	17.2229	9.68275	746.468	0
80.2828	-99999	77.8392	17.3879	9.6245	747.402	0
74.8907	-99999	76.6469	17.5892	9.55074	751.746	0
73.538	-99999	77.9093	17.755	9.46153	751.042	0
77.2757	-99999	75.397	17.9144	9.34682	727.481	0
78.6812	-99999	71.615	18.0584	9.23489	719.293	0
81.1954	-99999	71.9464	18.1173	9.12395	734.588	0
85.3987	-99999	72.0209	18.1687	9.02872	736.245	0
83.8359	-99999	78.1057	18.1898	8.94891	750.765	0
86.5202	-99999	80.4012	18.2742	8.90882	770.791	0
88.6419	-99999	79.6654	18.3394	8.90699	785.912	0
93.2206	-99999	82.8465	18.475	8.95295	782.662	0
94.991	-99999	80.5939	18.6774	9.04999	773.102	0
91.19	-99999	81.8954	18.9184	9.20788	792.355	0
85.2498	-99999	86.6034	19.1977	9.40977	780.23	0
79.6555	-99999	86.5411	19.5473	9.67567	784.074	0

75.4101	-99999	88.3714	19.9131	9.96978	795.205	0
73.7181	-99999	81.2814	20.2761	10.2943	796.551	0
70.1329	-99999	76.6706	20.4957	10.63	801.46	0
66.8923	-99999	73.599	20.7174	10.9681	805.677	0
65.8097	-99999	75.6627	20.8508	11.3098	810.729	0
64.0537	-99999	74.1349	20.8723	11.6511	812.364	0
65.1427	-99999	74.156	20.8734	11.9271	806.186	0
67.0304	-99999	69.9432	20.807	12.1255	797.509	0
69.4991	-99999	72.3174	20.659	12.2147	778.473	0
71.341	-99999	69.5892	20.4694	12.205	766.567	0
72.4042	-99999	67.9697	20.3101	12.0991	746.695	0
74.4955	-99999	69.6189	20.1498	11.9019	738.572	0
76.8948	-99999	70.2066	19.891	11.631	753.011	0
79.2303	-99999	66.7182	19.6451	11.2846	758.282	0
78.0378	-99999	69.565	19.3659	10.8774	733.896	0
78.0443	-99999	69.7239	19.0155	10.4511	726.566	0
79.6298	-99999	70.221	18.6232	10.0316	732.728	0
78.6765	-99999	70.1721	18.2612	9.63619	721.136	0
76.1677	-99999	70.2066	17.8916	9.28638	718.789	0
73.7566	-99999	70.6829	17.5309	8.99253	730.569	0
72.563	-99999	71.3277	17.266	8.76323	720.9	0
70.7112	-99999	72.2386	17.1076	8.59598	699.76	0
68.8059	-99999	70.7518	17.0167	8.49778	705.898	0
70.5369	-99999	66.2711	17.0399	8.45935	721.825	0
69.7941	-99999	63.5733	17.1837	8.46759	726.025	0
71.4834	-99999	65.2189	17.475	8.52357	735.571	0
73.6053	-99999	63.4941	17.7865	8.63166	744.132	0
76.9137	-99999	64.7527	18.1317	8.78082	749.865	0
78.6635	-99999	65.9783	18.5077	8.96572	744.147	0
80.4302	-99999	65.8301	18.8884	9.18646	745.224	0
79.0701	-99999	64.7082	19.2475	9.42824	742.452	0
80.0297	-99999	64.9446	19.5648	9.66802	733.027	0
82.7101	-99999	67.5263	19.7844	9.91255	742.965	0
82.256	-99999	68.4851	19.933	10.1596	739.281	0
79.6281	-99999	66.966	20.0635	10.4036	721.478	0
81.882	-99999	68.7931	20.1401	10.6477	730.52	0
83.6663	-99999	72.7654	20.2162	10.8913	735.624	0
80.3819	-99999	76.0593	20.2791	11.1199	733.286	0
76.9981	-99999	76.1595	20.2899	11.3041	731.173	0
76.1765	-99999	75.8002	20.2804	11.4309	747.65	0
74.2307	-99999	76.1815	20.2746	11.5173	757.129	0
72.447	-99999	77.0185	20.3268	11.5694	745.814	0
72.6632	-99999	77.1212	20.4032	11.6007	738.412	0
72.1225	-99999	76.7716	20.3353	11.6039	746.466	0
69.354	-99999	74.2138	20.3999	11.5754	726.906	0
65.99	-99999	68.0905	20.3326	11.494	724.661	0
67.881	-99999	64.6858	20.2198	11.3696	733.874	0

69.5905	-99999	65.1262	20.1101	11.2358	727.314	0
69.5959	-99999	64.5825	19.9496	11.1127	689.169	0
68.0147	-99999	64.7388	19.7183	10.9876	689.543	0
66.0285	-99999	65.4425	19.4504	10.8704	684.432	0
66.7216	-99999	67.0098	19.1713	10.7568	704.681	0
66.8311	-99999	69.4872	18.9572	10.6516	739.402	0
67.3787	-99999	70.0712	18.6739	10.5631	765.632	0
67.8479	-99999	71.8929	18.4314	10.4983	770.23	0
66.9812	-99999	71.7566	18.2678	10.4588	782.302	0
67.5622	-99999	70.3224	18.1224	10.4224	795.419	0
69.5455	-99999	71.594	18.0775	10.4	810.381	0
69.0772	-99999	70.2658	18.0913	10.3783	809.721	0
69.1006	-99999	73.1337	18.1406	10.3515	811.744	0
66.6847	-99999	74.9732	18.1916	10.3204	809.851	0
67.5832	-99999	72.3566	18.2253	10.2724	777.9	0
72.6203	-99999	73.7866	18.2239	10.1967	757.526	0
75.8341	-99999	77.2079	18.1805	10.1252	756.208	0
76.0811	-99999	81.5522	18.0589	10.0326	747.691	0
76.8865	-99999	86.6723	17.8744	9.93504	760.25	0
75.9059	-99999	88.0988	17.6348	9.82393	795.622	0
82.5812	-99999	83.6378	17.3569	9.71607	837.399	0
87.2866	-99999	82.0496	17.0728	9.60865	885.766	0
88.902	-99999	81.007	16.8303	9.52414	963.81	0
88.6149	-99999	81.4701	16.6198	9.45706	1060.76	0
87.2598	-99999	83.6572	16.5169	9.42446	1154.9	0
87.1328	-99999	84.1901	16.5144	9.39522	1227.88	0
87.8713	-99999	80.8512	16.604	9.38933	1321.08	0
88.7871	-99999	79.7399	16.7269	9.38553	1396.95	0
89.0806	-99999	80.9608	16.9221	9.38865	1436.72	0
86.7959	-99999	89.368	17.1658	9.40608	1460.72	0
85.0559	-99999	84.0013	17.3984	9.41757	1454.74	0
87.3983	-99999	84.6596	17.6333	9.42337	1404.85	0
84.6838	-99999	88.4343	17.8408	9.41409	1328.43	0
78.828	-99999	83.1427	17.9733	9.38994	1258.81	0
78.3896	-99999	80.0925	17.9938	9.35333	1200.92	0
78.5184	-99999	78.3206	17.9648	9.30779	1122.5	0
76.9503	-99999	76.3036	17.8998	9.26553	1043.27	0
77.0195	-99999	75.724	17.7634	9.22406	977.172	0
76.7873	-99999	76.7361	17.6105	9.18448	924.065	0
75.8196	-99999	81.2563	17.45	9.15548	881.881	0
74.6475	-99999	81.4369	17.2438	9.13482	848.045	0
75.0494	-99999	81.4035	17.0303	9.12743	837.789	0
74.9736	-99999	82.9089	16.8369	9.12053	822.298	0
74.2417	-99999	81.1588	16.7136	9.11847	792.737	0
74.1529	-99999	80.2696	16.6096	9.11835	763.049	0
73.1648	-99999	77.8117	16.5235	9.12696	741.41	0
72.3636	-99999	75.6899	16.4567	9.14415	753.695	0

73.3343	-99999	75.7386	16.4526	9.16928	759.598	0
76.1753	-99999	73.2737	16.4441	9.207	774.59	0
76.3341	-99999	73.118	16.5477	9.25531	781.814	0
79.7164	-99999	72.0541	16.6787	9.31189	786.966	0
81.9959	-99999	74.211	16.864	9.38131	800.785	0
80.3589	-99999	75.6671	17.0836	9.471	818.677	0
81.3873	-99999	76.9021	17.2798	9.58647	831.669	0
83.742	-99999	77.2907	17.4358	9.71944	869.989	0
82.7805	-99999	75.12	17.5404	9.8681	881.707	0
82.2661	-99999	71.3531	17.5238	10.0289	907.369	0
79.5344	-99999	70.9225	17.4368	10.1806	927.583	0
77.4377	-99999	70.5101	17.2729	10.3096	993.359	0
75.6151	-99999	69.0143	17.117	10.4111	1025.97	0
75.102	-99999	67.4837	17.0597	10.4823	1054.18	0
79.0283	-99999	68.7498	17.0411	10.5306	1101.01	0
77.703	-99999	70.4433	17.1803	10.5398	1155.68	0
78.6892	-99999	71.4271	17.4907	10.4977	1190.82	0
80.5882	-99999	72.5153	17.8535	10.411	1213.43	0
81.6684	-99999	73.682	18.236	10.2736	1189.48	0
83.6492	-99999	73.0343	18.6293	10.1049	1199.81	0
85.7243	-99999	74.0514	18.9375	9.92139	1184.95	0
81.8129	-99999	76.0885	19.1613	9.74394	1153.68	0
79.5731	-99999	77.4184	19.2257	9.57173	1134.8	0
78.4132	-99999	78.6745	19.0531	9.40448	1081.04	0
75.8272	-99999	79.0503	18.7707	9.26787	1030.54	0
74.1339	-99999	80.7163	18.3334	9.18247	968.652	0
70.4576	-99999	80.8618	17.8947	9.14955	909.494	0
65.9373	-99999	79.2254	17.5088	9.17862	900.857	0
66.0652	-99999	77.722	17.2838	9.27368	839.704	0
63.3007	-99999	74.1921	17.1136	9.42494	812.864	0
65.2442	-99999	71.7747	17.0658	9.62687	808.295	0
67.4177	-99999	67.5634	17.1123	9.86514	781.992	0
62.7278	-99999	63.0418	17.3185	10.1097	781.076	0
62.8777	-99999	62.9271	17.5332	10.3448	773.689	0
64.0303	-99999	61.9889	17.8299	10.5364	781.618	0
68.1479	-99999	63.0396	18.1406	10.6802	797.372	0
70.1382	-99999	65.326	18.3705	10.7507	810.697	0
67.5443	-99999	66.4425	18.422	10.7356	833.523	0
71.2107	-99999	69.8217	18.4116	10.6397	815.667	0
73.4898	-99999	68.3471	18.2357	10.4638	822.987	0
73.2954	-99999	70.4581	17.9659	10.2311	818.248	0
76.6743	-99999	72.5813	17.6153	9.96161	829.384	0
79.3093	-99999	71.0471	17.2157	9.68119	831.478	0
77.7763	-99999	70.3482	16.7982	9.41461	822.441	0
75.2453	-99999	69.4863	16.3875	9.17208	802.489	0
73.4886	-99999	69.4126	16.1112	8.99537	796.379	0
72.5593	-99999	68.5397	15.9378	8.88536	786.394	0

69.0297	-99999	70.681	15.864	8.84334	775.055	0
65.8349	-99999	72.808	15.9044	8.87561	764.813	0
66.0805	-99999	72.5944	16.0358	8.95723	771.339	0
67.0973	-99999	74.4637	16.2365	9.0808	777.259	0
66.0134	-99999	74.2342	16.5106	9.23658	792.41	0
66.4699	-99999	74.4307	16.7852	9.41292	812.029	0
67.9147	-99999	74.5746	17.0385	9.60495	821.944	0
70.7165	-99999	75.4313	17.252	9.80896	818.1	0
71.057	-99999	77.4746	17.444	10.0013	803.58	0
72.4454	-99999	72.1389	17.6275	10.1622	796.052	0
74.9183	-99999	71.5127	17.7585	10.2599	785.809	0
74.7558	-99999	73.6462	17.8225	10.3313	773.362	0
76.4126	-99999	72.8254	17.8272	10.3803	752.555	0
77.7998	-99999	74.4326	17.7539	10.4081	720.743	0
77.0457	-99999	74.56	17.6868	10.4278	710.154	0
74.3939	-99999	75.0977	17.6166	10.4329	717.582	0
72.6322	-99999	71.9883	17.5548	10.408	726.696	0
76.1125	-99999	71.7083	17.4578	10.364	742.543	0
78.0401	-99999	72.1012	17.3614	10.3101	756.186	0
78.8566	-99999	71.3616	17.2565	10.2758	771.117	0
76.8378	-99999	68.832	17.1918	10.2562	757.611	0
72.9941	-99999	69.5798	17.1727	10.2538	754.945	0
71.5348	-99999	69.752	17.1993	10.2642	765.984	0
74.9067	-99999	68.3126	17.2304	10.267	762.172	0
79.7798	-99999	71.1739	17.2334	10.2703	771.085	0
79.8935	-99999	75.0496	17.2703	10.2804	769.737	0
78.7333	-99999	75.1513	17.385	10.3153	766.662	0
78.3034	-99999	79.3004	17.4919	10.3912	766.459	0
77.6252	-99999	82.2646	17.6231	10.4829	768.628	0
79.0788	-99999	86.2536	17.7683	10.5812	775.734	0
81.0822	-99999	86.6065	17.9017	10.6763	769.296	0
79.8905	-99999	88.0567	18.0191	10.7667	751.076	0
80.843	-99999	90.2326	18.1028	10.8525	746.295	0
78.6776	-99999	88.167	18.176	10.9253	745.879	0
78.8805	-99999	86.9917	18.235	10.9965	749.508	0
76.3252	-99999	87.5398	18.2611	11.048	756.013	0
71.0903	-99999	88.4108	18.2732	11.078	737.219	0
70.4886	-99999	88.9708	18.2939	11.0816	750.289	0
75.521	-99999	86.3701	18.3229	11.0639	778.322	0
74.2833	-99999	86.0749	18.4227	11.0476	774.229	0
74.9742	-99999	87.8305	18.5428	11.0443	789.182	0
70.5149	-99999	87.9345	18.7394	11.0581	785.892	0
68.5492	-99999	87.39	18.9909	11.0849	760.877	0
69.9048	-99999	88.2829	19.2016	11.1101	729.189	0
70.6158	-99999	85.3419	19.3961	11.1375	717.967	0
76.9967	-99999	82.4644	19.6041	11.1515	711.97	0
76.8417	-99999	83.521	19.7387	11.1799	678.579	0

67.8557	-99999	81.9896	19.8219	11.1994	663.953	0
68.9889	-99999	77.2048	19.7739	11.1985	682.362	0
73.2836	-99999	73.5081	19.6632	11.174	673.664	0
72.935	-99999	74.0692	19.4949	11.1336	654.022	0
76.5464	-99999	75.9229	19.3156	11.074	655.455	0
76.4227	-99999	75.1592	19.089	11.0166	671.609	0
75.7346	-99999	78.6597	18.8595	10.9473	658.461	0
75.222	-99999	76.2762	18.6086	10.8996	667.551	0
77.4928	-99999	72.148	18.339	10.8387	666.355	0
82.771	-99999	73.8291	18.0686	10.7822	642.178	0
87.1524	-99999	78.0517	17.82	10.7144	636.859	0
89.7109	-99999	80.1571	17.5132	10.637	639.925	0
89.7146	-99999	77.0564	17.187	10.5448	661.122	0
89.9662	-99999	76.2277	16.8263	10.4402	679.057	0
87.8338	-99999	75.6726	16.4692	10.3294	677.983	0
87.614	-99999	73.3821	16.1045	10.2269	698.173	0
84.7335	-99999	75.1701	15.8054	10.1134	719.763	0
82.2645	-99999	76.9663	15.5815	10.0142	712.137	0
80.9548	-99999	74.5715	15.4156	9.9217	730.069	0
75.4945	-99999	70.7627	15.3611	9.8483	707.068	0
70.4877	-99999	70.0321	15.4431	9.79255	705.722	0
68.0869	-99999	73.8974	15.5499	9.76241	693.868	0
67.8935	-99999	69.9256	15.7265	9.75176	688.068	0
73.2761	-99999	70.8216	15.9523	9.74206	699.728	0
81.3054	-99999	74.3127	16.174	9.72626	701.702	0
87.2857	-99999	77.8069	16.3633	9.69224	723.564	0
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85.0199	-99999	78.0291	16.4623	9.60847	771.485	0
88.2503	-99999	81.9249	16.4164	9.58598	788.291	0
95.6039	-99999	85.1384	16.3401	9.57658	790.106	0
98.5261	-99999	85.5945	16.2857	9.58728	803.796	0
99.7277	-99999	89.5106	16.2726	9.61967	798.663	0
100.263	-99999	87.6981	16.2777	9.66559	776.154	0
97.9042	-99999	85.8336	16.3329	9.74334	766.656	0
97.2984	-99999	83.722	16.434	9.85443	742.043	0
99.3781	-99999	85.9735	16.6429	9.98339	729.462	0
102.555	-99999	86.8878	16.9184	10.1227	739.443	0
101.433	-99999	87.325	17.1589	10.2429	751.759	0
97.0218	-99999	85.0122	17.3698	10.3171	746.445	0
95.4926	-99999	82.3907	17.5295	10.3336	742.119	0
90.9191	-99999	83.4639	17.6216	10.3041	771.495	0
84.5558	-99999	83.8259	17.6373	10.2408	800.177	0
80.0597	-99999	81.2937	17.5618	10.1451	811.113	0
77.8142	-99999	78.1728	17.4583	10.0278	815.641	0
76.529	-99999	75.066	17.3054	9.89071	814.79	0
76.1192	-99999	73.4935	17.1383	9.73115	807.174	0
77.0461	-99999	70.581	16.9606	9.56688	804.424	0

77.2096	-99999	69.9719	16.7872	9.42224	805.983	0
77.7979	-99999	68.6662	16.6139	9.30426	808.579	0
81.8934	-99999	66.0356	16.4744	9.21189	808.653	0
82.7032	-99999	65.5998	16.3789	9.14897	810.741	0
80.2165	-99999	67.3253	16.2893	9.10935	817.861	0
76.8851	-99999	70.7317	16.2254	9.09105	836.985	0
76.5389	-99999	73.7614	16.1708	9.1012	843.378	0
71.6213	-99999	76.6913	16.1402	9.13434	847.336	0
70.204	-99999	77.9001	16.1233	9.18705	858.528	0
71.351	-99999	77.3327	16.2108	9.2564	867.886	0
70.6379	-99999	76.401	16.3075	9.33817	853.021	0
67.5204	-99999	75.6697	16.366	9.42768	844.508	0
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70.0963	-99999	75.0189	16.6568	9.59004	824.651	0
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77.4068	-99999	61.9811	16.8355	9.69053	865.26	0
72.2667	-99999	61.1066	16.8623	9.65781	872.616	0
73.1287	-99999	61.4036	16.7806	9.59945	896.015	0
71.426	-99999	61.0814	16.7118	9.5301	907.149	0
70.4081	-99999	58.7704	16.642	9.44613	916.304	0
72.0147	-99999	56.2608	16.5208	9.3445	920.191	0
72.3767	-99999	58.4862	16.4123	9.25429	922.133	0
73.7579	-99999	61.1452	16.3679	9.16572	926.097	0
71.7224	-99999	63.4858	16.3454	9.09728	918.105	0
71.8752	-99999	64.0038	16.3462	9.05238	890.786	0
72.4322	-99999	63.5974	16.31	9.04151	892.399	0
71.7815	-99999	62.7055	16.3329	9.05158	870.329	0
73.9213	-99999	64.653	16.3218	9.08691	877.406	0
75.274	-99999	69.0835	16.341	9.13758	883.275	0
72.3604	-99999	74.1692	16.3682	9.20827	893.132	0
69.3727	-99999	72.0315	16.3845	9.28286	901.978	0
65.7371	-99999	72.6434	16.3764	9.36783	903.468	0
68.1677	-99999	72.018	16.405	9.44978	933.658	0
69.4481	-99999	73.6455	16.4509	9.52216	957.452	0
72.5919	-99999	73.7342	16.4883	9.58885	951.383	0
75.5947	-99999	82.1532	16.492	9.6358	971.88	0
79.964	-99999	82.4282	16.5621	9.64919	990.268	0
81.6269	-99999	81.3016	16.6215	9.65389	991.347	0
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84.3787	-99999	85.7911	16.6383	9.60462	1016.21	0
88.4592	-99999	87.9949	16.6604	9.54244	996.837	0
87.4967	-99999	90.1852	16.6482	9.46525	997.774	0
86.1755	-99999	92.4836	16.6283	9.36696	997.925	0
82.9446	-99999	91.4301	16.6327	9.24424	985.909	0
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77.2614	-99999	79.107	16.2928	8.7817	968.088	0
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76.9116	-99999	72.4032	16.3388	8.78959	1059.59	0
78.4107	-99999	74.462	16.475	8.84592	1078.04	0
78.5009	-99999	76.997	16.65	8.93417	1083.41	0
79.3895	-99999	70.5158	16.7969	9.0613	1110.89	0
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73.2205	-99999	78.417	17.2325	9.59785	1128.18	0
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77.4416	-99999	82.091	17.3703	10.0167	1100.99	0
78.556	-99999	82.3275	17.4689	10.2321	1091.27	0
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77.8072	-99999	81.7412	17.8062	10.6595	1103.71	0
75.4521	-99999	84.4998	18.0792	10.8054	1088.58	0
73.9208	-99999	80.0937	18.4608	10.8825	1089.03	0
75.3732	-99999	80.1123	18.8241	10.8839	1095.57	0
75.2408	-99999	80.4072	19.1703	10.8275	1093.69	0
77.1591	-99999	79.3947	19.5224	10.7224	1095.56	0
78.6737	-99999	81.4345	19.8237	10.5924	1126.23	0
77.3046	-99999	81.5174	20.0367	10.4382	1140.28	0
77.9013	-99999	85.3236	20.0185	10.2529	1148.23	0
81.96	-99999	89.2702	19.8933	10.0483	1154.04	0
85.404	-99999	87.9982	19.6989	9.85059	1160.03	0
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74.3668	-99999	79.5553	18.5427	10.8296	1113.06	0
72.5566	-99999	75.7949	18.752	11.3068	1104.53	0
69.0248	-99999	75.6945	18.9628	11.7806	1099.02	0
70.9126	-99999	74.8135	19.1732	12.2319	1100.16	0
69.4867	-99999	74.4311	19.3897	12.6087	1105.04	0
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75.6363	-99999	76.8885	19.6445	12.9625	1108.05	0
78.2624	-99999	78.1859	19.6166	12.8532	1099.16	0
79.6903	-99999	77.7343	19.3696	12.5648	1090.57	0
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76.2366	-99999	80.2957	18.4069	11.6457	1109.83	0
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82.7527	-99999	86.3474	15.8332	8.70155	1010.24	0
80.7563	-99999	87.852	16.0797	8.74349	1031.61	0
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72.9317	-99999	90.79	16.7384	9.04791	1025.24	0
76.4178	-99999	85.6768	16.816	9.12093	1053.75	0
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89.4409	-99999	82.4866	16.9151	10.1479	1075.34	0
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84.5141	-99999	91.5398	15.6113	10.2045	1083.43	0
87.7532	-99999	86.8674	15.3149	10.0857	1098.55	0
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89.7191	-99999	85.1267	14.2811	9.59192	1051.27	0
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92.6843	-99999	83.2687	13.9481	9.33994	1050.65	0
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82.1765	-99999	75.5082	13.308	8.56175	1067.13	0
81.3763	-99999	80.8855	13.3126	8.51305	1060.66	0
79.8141	-99999	83.262	13.3507	8.48544	1067.91	0

78.397	-99999	87.509	13.4144	8.4765	1081.5	0
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76.576	-99999	82.2269	13.5445	8.52343	1064.31	0
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79.5846	-99999	80.1192	13.6942	8.56923	1073.84	0
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74.6617	-99999	79.2924	12.8802	8.58273	1104.67	0
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89.841	-99999	77.7785	10.8282	9.05789	968.163	0
87.4766	-99999	76.5349	10.4205	9.11362	929.041	0
88.0084	-99999	76.072	10.0157	9.17381	912.834	0
84.3122	-99999	74.5317	9.65209	9.22754	872.748	0
83.704	-99999	74.474	9.29239	9.25402	839.955	0
80.836	-99999	75.4487	8.96193	9.25465	812.48	0
78.2784	-99999	79.3657	8.66763	9.20716	799.994	0
75.4344	-99999	83.1544	8.36227	9.12347	799.198	0
74.4055	-99999	89.657	8.06237	8.99888	785.109	0
72.0919	-99999	90.6155	7.75725	8.84137	756.642	0
72.7453	-99999	89.3645	7.45786	8.63545	776.695	0
71.5405	-99999	91.0281	7.15157	8.39236	756.918	0
76.0253	-99999	95.9103	6.83082	8.11127	743.151	0
79.3145	-99999	96.9541	6.51875	7.80467	750.507	0
80.0105	-99999	94.5933	6.2023	7.48741	757.662	0
81.8585	-99999	93.3594	5.89939	7.1879	740.681	0
83.7383	-99999	94.2693	5.62766	6.90825	732.666	0
86.0277	-99999	86.8222	5.38535	6.65569	746.964	0
93.7123	-99999	88.483	5.1876	6.42944	747.971	0
98.33	-99999	90.598	5.02304	6.24125	725.085	0
102.049	-99999	92.2555	4.89161	6.08442	717.814	0
99.1636	-99999	85.4174	4.794	5.96783	719.297	0
96.9557	-99999	83.6618	4.72677	5.8895	690.969	0
94.1252	-99999	85.5408	4.69337	5.84098	674.966	0
92.6343	-99999	90.8438	4.68742	5.81109	689.315	0
93.4906	-99999	90.614	4.7	5.79739	698.403	0
92.3279	-99999	88.5596	4.72678	5.79249	698.332	0
88.1717	-99999	86.6713	4.7616	5.798	707.095	0

84.8872	-99999	84.7561	4.8137	5.81265	736.089	0
81.9089	-99999	84.3648	4.88172	5.83686	759.776	0
83.3226	-99999	86.1986	4.9633	5.86793	780.054	0
85.1733	-99999	89.3573	5.05568	5.90518	800.757	0
84.7403	-99999	86.9335	5.15018	5.9419	820.682	0
85.0565	-99999	83.5568	5.25184	5.9792	837.734	0
86.5448	-99999	84.7504	5.36572	6.02732	836.052	0
85.9501	-99999	90.142	5.48648	6.08386	845.312	0
84.6876	-99999	94.2747	5.61557	6.14166	853.579	0
84.5668	-99999	98.117	5.74889	6.20733	861.624	0
85.4699	-99999	96.2864	5.89626	6.27383	877.533	0
87.2644	-99999	97.4852	6.05254	6.3439	882.581	0
90.7708	-99999	96.2725	6.22251	6.42121	900.065	0
96.5809	-99999	96.5019	6.4076	6.50727	919.828	0
100.148	-99999	95.3002	6.60062	6.59679	933.245	0
97.4502	-99999	93.6995	6.80361	6.68605	939.077	0
96.297	-99999	90.8811	7.01908	6.77759	941.818	0
96.5791	-99999	87.5243	7.24334	6.86604	951.132	0
98.8326	-99999	84.2003	7.45901	6.94505	952.888	0
100.164	-99999	87.4557	7.64922	7.02996	958.824	0
95.9347	-99999	89.4601	7.83922	7.1225	980.321	0
91.156	-99999	88.2217	8.00339	7.22048	988.57	0
89.0507	-99999	89.8743	8.14779	7.32563	981.51	0
86.8144	-99999	90.9285	8.2739	7.43853	995.872	0
91.4407	-99999	94.4511	8.37932	7.55118	1003.17	0
94.2221	-99999	98.1041	8.45934	7.66444	998.094	0
95.18	-99999	99.5352	8.53725	7.78502	996.714	0
97.4488	-99999	101.969	8.62159	7.90825	991.827	0
95.4451	-99999	98.7899	8.70737	8.02538	975.083	0
95.8499	-99999	98.3066	8.79624	8.14317	960.623	0
93.4499	-99999	102.831	8.89417	8.25715	947.27	0
95.7031	-99999	102.945	8.98205	8.36404	937.86	0
96.215	-99999	102.088	9.06061	8.4541	910.508	0
95.0869	-99999	99.5929	9.15518	8.52181	915.245	0
94.0744	-99999	96.5339	9.24518	8.56592	928.829	0
97.1206	-99999	95.0504	9.30353	8.57718	933.558	0
95.2948	-99999	93.7347	9.35841	8.56015	932.853	0
98.4662	-99999	97.1799	9.4135	8.5284	964.014	0
97.8025	-99999	96.8783	9.43225	8.492	960.729	0
102.746	-99999	91.1229	9.43279	8.45787	982.709	0
95.809	-99999	90.9118	9.43918	8.40958	1001.08	0
94.9099	-99999	90.935	9.45947	8.35633	1049.66	0
93.0605	-99999	92.4644	9.44452	8.30816	1080.01	0
89.5911	-99999	96.5038	9.43662	8.27189	1079.41	0
86.1887	-99999	97.628	9.41843	8.26855	1080.82	0
86.4361	-99999	96.7994	9.41104	8.31348	1081.87	0
89.0279	-99999	91.6601	9.42083	8.39899	1071.96	0

94.1217	-99999	89.4117	9.46969	8.50788	1078.24	0
92.6234	-99999	93.3411	9.55405	8.60676	1071.92	0
93.1605	-99999	96.1853	9.6372	8.70682	1058.61	0
93.2059	-99999	99.1924	9.71302	8.82472	1032.35	0
91.6665	-99999	95.0169	9.77415	8.95705	1010.37	0
90.6798	-99999	88.8296	9.83761	9.10218	986.931	0
88.5959	-99999	85.9664	9.89885	9.22883	963.86	0
82.2324	-99999	87.3142	9.94442	9.29902	942.636	0
78.694	-99999	89.4331	9.95281	9.29878	913.417	0
75.7736	-99999	92.2453	9.93909	9.23476	908.202	0
75.5374	-99999	88.7293	9.89052	9.14683	913.448	0
76.1443	-99999	85.0825	9.83669	9.04974	907.128	0
76.7561	-99999	82.2114	9.77811	8.92534	882.851	0
77.1134	-99999	86.9905	9.73275	8.78303	888.957	0
76.1755	-99999	90.5713	9.68587	8.60114	898.886	0
75.4559	-99999	90.7763	9.62751	8.39834	926.278	0
78.9713	-99999	88.5281	9.55174	8.21018	943.043	0
76.9303	-99999	86.72	9.47282	8.0594	956.889	0
73.9355	-99999	87.6272	9.40016	7.95591	947.111	0
72.5096	-99999	88.6276	9.34406	7.89623	936.145	0
72.3318	-99999	87.692	9.31461	7.86288	930.562	0
72.2922	-99999	90.9503	9.32236	7.85943	929.607	0
75.6602	-99999	89.638	9.38759	7.88038	929.158	0
80.2342	-99999	91.539	9.5064	7.96493	941.458	0
83.1226	-99999	93.4825	9.71002	8.10738	918.221	0
82.2302	-99999	91.1513	9.9974	8.30984	907.743	0
83.5532	-99999	91.0883	10.3451	8.54306	906.658	0
84.8972	-99999	87.9418	10.746	8.78629	903.838	0
86.5152	-99999	86.4433	11.1489	9.03116	896.458	0
89.8099	-99999	84.5818	11.5215	9.25651	903.778	0
92.294	-99999	81.5288	11.8492	9.44002	906.206	0
90.9457	-99999	80.092	12.1041	9.58146	909.398	0
89.8682	-99999	77.2953	12.2855	9.66885	930.457	0
90.1117	-99999	74.8885	12.3793	9.69858	956.75	0
92.9714	-99999	75.3129	12.4115	9.66876	962.494	0
95.0352	-99999	77.1085	12.3934	9.5946	970.552	0
96.0644	-99999	75.5143	12.3736	9.50458	996.336	0
94.5438	-99999	77.4305	12.3926	9.43777	1012.55	0
90.165	-99999	78.4882	12.4739	9.42523	1018.49	0
87.196	-99999	79.8125	12.6603	9.46988	1021	0
84.6448	-99999	80.2782	13.0009	9.57389	1002.08	0
83.2417	-99999	78.6664	13.431	9.72834	987.755	0
80.2764	-99999	75.1837	13.9155	9.91387	978.934	0
76.5419	-99999	72.5391	14.4176	10.1115	976.554	0
78.1529	-99999	72.495	14.8987	10.3009	958.871	0
78.1676	-99999	73.234	15.2996	10.4569	935.361	0
81.0969	-99999	73.6064	15.624	10.5416	919.624	0

81.2959	-99999	73.7805	15.846	10.5388	889.042	0
82.6067	-99999	71.4353	15.8794	10.4632	862.509	0
83.0289	-99999	68.5936	15.7092	10.3277	855.377	0
81.0162	-99999	69.1485	15.4686	10.1714	837.716	0
82.4196	-99999	74.5378	15.1947	10.0114	844.167	0
80.8451	-99999	79.0652	14.9106	9.848	854.197	0
77.8476	-99999	80.3388	14.6921	9.6986	866.965	0
81.5649	-99999	80.3097	14.4809	9.57809	886.16	0
78.8986	-99999	78.8238	14.2999	9.50543	881.632	0
77.2031	-99999	75.9297	14.1256	9.50311	921.192	0
73.1654	-99999	74.7504	14.0831	9.58361	970.291	0
76.2342	-99999	77.1948	14.1256	9.71892	1002.96	0
80.9757	-99999	78.9427	14.1836	9.8538	1026.57	0
80.7612	-99999	78.6279	14.2031	9.97858	1043.85	0
83.9308	-99999	76.551	14.2417	10.1108	1068.61	0
81.4042	-99999	76.8901	14.2521	10.2534	1083.3	0
78.1153	-99999	76.7665	14.3381	10.4072	1105.06	0
77.9151	-99999	75.9907	14.4418	10.5565	1157.03	0
76.4325	-99999	78.5024	14.6051	10.692	1160.78	0
76.9435	-99999	80.3721	14.7366	10.7809	1181.24	0
74.2585	-99999	79.6702	14.8254	10.8172	1188.45	0
71.2382	-99999	79.1835	14.9232	10.8263	1214.45	0
72.8427	-99999	80.8178	15.0159	10.8235	1243.06	0
71.4618	-99999	83.2994	15.0773	10.7969	1246.98	0
73.1345	-99999	81.8617	15.0701	10.7228	1263.74	0
74.5188	-99999	80.9017	14.9676	10.5912	1252.37	0
76.1286	-99999	78.5723	14.8679	10.4137	1252.95	0
77.2246	-99999	78.9613	14.6963	10.1893	1263.49	0
77.9097	-99999	80.3184	14.4925	9.94522	1278.94	0
80.4237	-99999	82.9534	14.2603	9.69341	1300.7	0
81.8578	-99999	83.8579	13.9748	9.44514	1314.58	0
83.9214	-99999	80.6055	13.7029	9.18701	1310.89	0
83.1545	-99999	78.2723	13.4086	8.93236	1317.43	0
79.8388	-99999	77.2135	13.0913	8.71152	1335.14	0
77.5727	-99999	81.1449	12.7645	8.52612	1366.67	0
79.2153	-99999	86.8757	12.3896	8.36719	1378.42	0
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88.3493	-99999	77.227	11.9333	8.22216	1392.66	0
90.5044	-99999	71.5515	11.8311	8.21645	1386.1	0
89.2295	-99999	70.7753	11.8075	8.25203	1371.13	0
85.9022	-99999	72.1072	11.875	8.33321	1377.76	0
86.8493	-99999	73.1867	12.0485	8.46456	1358.98	0
88.0981	-99999	74.6062	12.3538	8.6359	1356.84	0
87.8621	-99999	75.2091	12.7797	8.82072	1348.55	0
86.8853	-99999	78.827	13.2151	8.98158	1338.07	0
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73.3549	-99999	89.6822	14.1852	9.18018	1247.68	0
72.0154	-99999	91.2869	14.3181	9.18535	1229.55	0
72.005	-99999	88.3144	14.328	9.17631	1216.47	0
71.5401	-99999	85.8816	14.2619	9.12053	1224.99	0
73.4366	-99999	86.0621	14.138	9.02177	1215.9	0
70.6988	-99999	82.2268	13.9909	8.90119	1194.9	0
68.9062	-99999	78.1015	13.8931	8.79164	1168.44	0
71.3815	-99999	80.1421	13.8204	8.69442	1164.1	0
72.605	-99999	81.7581	13.7848	8.60919	1181.63	0
74.7623	-99999	85.932	13.8483	8.55399	1199.75	0
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79.4445	-99999	90.0602	14.2196	8.49884	1186.59	0
80.2023	-99999	93.1885	14.4473	8.47083	1168.77	0
77.8103	-99999	93.1661	14.7007	8.44466	1149.07	0
83.7912	-99999	93.7923	14.9675	8.45618	1139.29	0
88.9989	-99999	93.7183	15.2002	8.53002	1145.31	0
89.998	-99999	91.5671	15.431	8.67429	1133.97	0
92.1574	-99999	92.0702	15.7198	8.89952	1113.87	0
91.7688	-99999	88.622	16.0832	9.18362	1098.41	0
92.6555	-99999	86.2346	16.552	9.50526	1086.53	0
89.5469	-99999	84.2134	17.1004	9.85792	1094.5	0
88.8993	-99999	82.9661	17.6673	10.2686	1092.65	0
92.2013	-99999	81.1626	18.1794	10.7645	1096.82	0
87.4591	-99999	77.8906	18.6769	11.3308	1087.33	0
82.3369	-99999	77.0897	19.2274	11.9395	1070.46	0
79.6856	-99999	76.7126	19.7356	12.5138	1074.64	0
74.3208	-99999	74.0397	20.1115	12.9721	1061.04	0
74.0918	-99999	72.4763	20.4149	13.3184	1045.9	0
70.6488	-99999	71.7134	20.4693	13.5803	1035.99	0
69.7754	-99999	72.9809	20.4658	13.7821	1014.92	0
69.2476	-99999	71.7984	20.3602	13.9063	1010.55	0
65.9269	-99999	74.1495	20.2807	13.9049	979.31	0
69.78	-99999	76.2031	20.0621	13.7346	948.792	0
71.8187	-99999	73.5217	19.7192	13.4123	945.206	0
74.9673	-99999	70.6638	19.2691	13.0214	933.508	0
76.7339	-99999	68.6201	18.782	12.6351	926.654	0
73.2165	-99999	70.6893	18.2069	12.2613	919.132	0
74.2035	-99999	69.3316	17.7599	11.9049	930.576	0
75.163	-99999	65.8116	17.2994	11.5739	927.397	0
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77.4295	-99999	64.9974	16.5204	11.0142	914.1	0
75.9815	-99999	64.6907	16.3134	10.8684	938.305	0
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72.8192	-99999	69.1485	16.7328	10.8509	902.928	0
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77.3962	-99999	74.4885	17.0428	10.7781	837.962	0
76.7654	-99999	72.1631	17.0732	10.7059	824.268	0
79.6466	-99999	72.1771	16.9948	10.587	823.545	0
77.446	-99999	71.8258	16.8614	10.4273	807.029	0
79.0357	-99999	76.0463	16.6364	10.2154	789.094	0
79.3977	-99999	75.2638	16.299	9.97396	772.729	0
77.9745	-99999	73.9624	15.892	9.74422	766.047	0
77.1118	-99999	75.5104	15.5438	9.54893	778.736	0
76.9138	-99999	74.6591	15.2395	9.41311	791.146	0
76.6232	-99999	74.2298	15.0187	9.31548	782.512	0
77.0364	-99999	77.0115	14.9105	9.24465	765.76	0
72.9274	-99999	77.5988	14.8678	9.20608	771.144	0
70.0838	-99999	75.5657	14.8823	9.18879	785.522	0
68.7289	-99999	76.8521	14.9524	9.21773	791.454	0
69.8767	-99999	77.9455	15.0749	9.30352	783.977	0
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75.0747	-99999	83.6023	15.399	9.61796	784.507	0
73.4888	-99999	84.906	15.6108	9.8285	793.862	0
77.151	-99999	85.5917	15.9311	10.0538	813.534	0
76.2651	-99999	83.3742	16.2659	10.3098	815.987	0
78.4109	-99999	85.4092	16.6328	10.5669	816.051	0
81.275	-99999	92.8769	17.0184	10.8371	815.493	0
85.2584	-99999	85.8837	17.3797	11.1294	825.631	0
89.028	-99999	88.0187	17.7054	11.4158	831.017	0
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89.0695	-99999	78.6764	18.1403	11.8281	809.895	0
86.9021	-99999	79.9099	18.2097	11.9272	794.256	0
82.4196	-99999	80.9612	18.1347	11.9675	797.448	0
82.4469	-99999	88.3025	17.9845	11.9565	801.748	0
85.0382	-99999	88.8412	17.7544	11.9398	790.041	0
83.9887	-99999	87.6684	17.4993	11.9295	795.411	0
80.4054	-99999	93.438	17.267	11.9125	793.356	0
76.0522	-99999	93.216	17.0779	11.8901	789.799	0
75.0009	-99999	94.1751	16.9594	11.9093	804.728	0
76.766	-99999	91.91	16.968	11.9571	827.802	0
76.5031	-99999	89.1514	17.0323	12.0349	831.538	0
79.5069	-99999	88.9569	17.1352	12.1265	819.555	0
81.8257	-99999	84.5562	17.3266	12.2265	822.628	0
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81.7808	-99999	83.907	18.131	12.2485	793.62	0
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74.2527	-99999	83.1762	18.3551	12.0428	790.11	0
71.4518	-99999	85.7429	18.3177	11.935	774.034	0
71.105	-99999	88.4306	18.3403	11.8196	768.172	0
69.268	-99999	88.5194	18.3596	11.7134	782.256	0
70.4557	-99999	88.3498	18.3243	11.6194	779.401	0

73.7117	-99999	87.81	18.2657	11.5413	776.493	0
73.1823	-99999	87.4348	18.1745	11.5071	754.275	0
71.9053	-99999	82.5149	18.0543	11.5241	712.296	0
75.9393	-99999	81.5062	18.0685	11.5557	668.791	0
77.6525	-99999	82.9496	18.0928	11.5311	609.888	0
80.2814	-99999	82.4129	18.13	11.4322	556.332	0
83.3025	-99999	81.6818	18.0461	11.2977	490.018	0
83.8776	-99999	80.0885	17.8972	11.1415	406.492	0
80.8542	-99999	79.043	17.5967	10.9752	333.802	0
77.4966	-99999	76.4082	17.2477	10.8243	268.899	0
76.6599	-99999	73.6582	17.054	10.6988	226.397	0
78.3192	-99999	73.8949	16.94	10.6218	194.699	0
76.9552	-99999	74.8639	16.8693	10.7323	168.06	0
77.2523	-99999	75.387	16.8008	11.0931	149.815	0
70.2926	-99999	72.9906	16.8291	11.7063	149.805	0
69.575	-99999	69.5695	17.1246	12.5826	162.303	0
65.1485	-99999	67.2889	17.7439	13.6123	169.698	0
63.8997	-99999	67.3959	18.7019	14.704	178.827	0
63.3027	-99999	66.994	19.8346	15.3799	181.267	0
68.9542	-99999	68.5455	21.0398	15.5335	181.45	0
66.3626	-99999	66.4927	22.0971	15.475	188.621	0
64.6621	-99999	61.8225	23.3263	15.2332	199.202	0
68.6644	-99999	61.8177	24.5426	14.8364	202.111	0
70.4442	-99999	64.5583	25.6727	14.2993	197.444	0
67.0071	-99999	64.4851	26.7111	13.5567	189.116	0
68.4163	-99999	63.6431	27.3741	12.6578	188.635	0
68.4961	-99999	61.5687	27.694	11.6455	196.581	0
64.9407	-99999	60.448	26.8269	11.0613	198.235	0
60.8743	-99999	61.3773	25.4314	10.9792	210.946	0
62.9987	-99999	65.8424	24.0379	11.0232	214.974	0
62.5558	-99999	66.6837	22.372	11.0506	236.142	0
60.3978	-99999	65.2834	20.7535	11.0346	245.936	0
60.6788	-99999	60.9617	19.1464	10.9457	251.835	0
60.0847	-99999	60.8559	17.4527	10.8159	249.327	0
59.746	-99999	64.926	15.8704	10.704	256.202	0
61.7555	-99999	64.8696	14.5547	10.6512	244.392	0
67.3968	-99999	64.3834	14.1699	10.7118	240.051	0
68.1129	-99999	58.7898	14.1647	10.8272	236.267	0
71.0521	-99999	55.501	14.2478	11.0188	226.119	0
70.0156	-99999	57.008	14.3374	11.1376	200.801	0
71.6605	-99999	61.3392	14.3526	11.2035	183.414	0
76.2731	-99999	64.339	14.339	11.2688	174.604	0
77.6046	-99999	67.6572	14.359	11.3864	172.801	0
76.2952	-99999	64.241	14.3713	11.5737	168.473	0
74.0969	-99999	70.7168	14.435	11.7876	175.321	0
69.9032	-99999	73.5388	14.5239	11.9397	178.609	0
68.8091	-99999	73.9412	14.5593	11.9826	183.544	0

67.1334	-99999	76.0658	14.6338	11.9017	184.404	0
69.1838	-99999	75.3244	14.7741	11.8551	184.623	0
67.8286	-99999	71.9819	14.9243	11.883	187.167	0
63.7278	-99999	74.7088	15.0812	11.9718	186.17	0
62.9318	-99999	75.4782	15.2101	12.098	184.497	0
61.758	-99999	75.295	15.3666	12.2207	181.86	0
62.6926	-99999	73.8551	15.5122	12.2915	172.487	0
65.4523	-99999	73.8636	15.6003	12.2974	168.37	0
66.4551	-99999	76.6833	15.6553	12.2807	165.445	0
67.6927	-99999	76.3343	15.6498	12.2893	160.874	0
71.5567	-99999	78.2511	15.6276	12.3309	159.138	0
77.3889	-99999	77.2918	15.5938	12.395	156.308	0
80.2128	-99999	75.7825	15.5434	12.4527	151.232	0
82.5366	-99999	74.0074	15.4798	12.4507	142.959	0
86.417	-99999	74.4246	15.3735	12.4033	146.349	0
87.8073	-99999	76.8985	15.2479	12.379	156.432	0
85.8605	-99999	77.3256	15.1616	12.4343	152.849	0
87.7002	-99999	74.9636	15.1251	12.5696	152.455	0
87.0297	-99999	71.4904	15.0925	12.7488	160.214	0
80.1211	-99999	69.9365	15.1122	12.9556	165.499	0
75.7901	-99999	68.9936	15.154	13.1439	166.394	0
75.2762	-99999	66.476	15.2244	13.2874	167.992	0
76.7248	-99999	67.16	15.2949	13.3971	170.725	0
75.2669	-99999	66.3758	15.4186	13.471	167.519	0
72.4431	-99999	62.828	15.4895	13.5182	162.227	0
70.8692	-99999	61.1983	15.5462	13.5178	159.487	0
65.8156	-99999	63.8679	15.5331	13.4271	157.398	0
65.4316	-99999	67.7215	15.5302	13.2595	150.209	0
67.729	-99999	70.2096	15.449	13.0318	147.221	0
68.156	-99999	72.3127	15.3236	12.7798	147.011	0
71.2263	-99999	74.1334	15.1894	12.5445	143.511	0
71.4811	-99999	73.2603	15.0632	12.3537	141.238	0
71.9874	-99999	71.5123	14.8945	12.2242	130.192	0
73.9257	-99999	72.7209	14.7833	12.1363	124.914	0
75.6546	-99999	75.4561	14.673	12.0535	135.131	0
75.9419	-99999	78.5393	14.5843	11.9852	129.086	0
81.856	-99999	78.4915	14.503	11.9521	133.879	0
82.71	-99999	76.6281	14.4772	11.9278	125.295	0
84.0675	-99999	77.5241	14.4496	11.8839	129.17	0
82.3232	-99999	80.4158	14.3982	11.8197	131.573	0
81.9417	-99999	83.3213	14.3663	11.7338	134.652	0
84.6702	-99999	84.133	14.3519	11.6219	139.422	0
82.3424	-99999	86.0719	14.3133	11.4894	142.73	0
84.4057	-99999	87.0575	14.2499	11.3686	130.764	0
84.2676	-99999	82.9747	14.1888	11.2628	135.965	0
80.4989	-99999	81.1277	14.1111	11.1604	137.555	0
81.3648	-99999	82.1729	14.037	11.0821	134.504	0

79.9528	-99999	86.1208	13.9956	11.0328	135.407	0
76.6927	-99999	85.9404	13.9789	11.0225	137.502	0
73.9526	-99999	88.0334	13.9512	11.0474	134.121	0
72.2425	-99999	91.9409	13.9412	11.1211	131.896	0
73.6466	-99999	90.3762	13.9338	11.2125	130.415	0
70.6834	-99999	87.0197	13.9506	11.3024	134.007	0
72.2125	-99999	92.029	13.9777	11.3877	132.786	0
72.5273	-99999	98.4256	13.9954	11.4358	124.401	0
73.5569	-99999	98.9074	13.9851	11.4475	133.762	0
74.3816	-99999	93.5064	13.945	11.4213	126.469	0
79.159	-99999	92.2447	13.8955	11.3552	135.561	0
85.485	-99999	92.5238	13.8332	11.2607	140.605	0
84.6392	-99999	91.1285	13.7116	11.1373	144.386	0
86.7302	-99999	86.3229	13.5821	11.0022	142.961	0
89.1049	-99999	87.6874	13.4525	10.8688	145.222	0
90.5677	-99999	82.7451	13.3184	10.7555	145.7	0
90.2644	-99999	78.2584	13.1947	10.6794	155.509	0
88.2603	-99999	81.1704	13.105	10.6223	158.93	0
87.4207	-99999	80.7613	13.0449	10.5955	161.986	0
86.6449	-99999	78.6704	12.9801	10.5947	151.055	0
83.8995	-99999	79.8366	12.9506	10.6208	146.875	0
88.4941	-99999	80.2068	12.9751	10.6634	144.576	0
92.0281	-99999	83.6258	13.0067	10.7159	147.452	0
94.4177	-99999	86.0046	13.0302	10.774	144.041	0
93.7198	-99999	87.2327	13.0517	10.8212	144.732	0
94.5096	-99999	85.1423	13.0749	10.8441	140.908	0
96.0872	-99999	83.0213	13.0791	10.8539	137.861	0
96.719	-99999	84.5814	13.048	10.8498	135.866	0
97.3069	-99999	89.4602	12.998	10.8221	137.181	0
96.2503	-99999	87.2415	12.9052	10.7717	145.627	0
92.804	-99999	85.7228	12.7914	10.6784	149.832	0
89.9297	-99999	85.9399	12.668	10.5529	149.541	0
87.243	-99999	81.692	12.523	10.407	153.636	0
86.8152	-99999	82.3269	12.364	10.2629	158.038	0
85.5977	-99999	87.8659	12.163	10.1531	158.958	0
82.8519	-99999	90.9112	11.9508	10.0698	164.592	0
79.7243	-99999	90.7612	11.7348	10.0175	172.635	0
79.7081	-99999	89.8727	11.4978	9.99179	178.378	0
82.2573	-99999	92.9811	11.2575	9.99184	187.423	0
82.861	-99999	97.3558	10.9958	10.0271	195.461	0
81.0688	-99999	97.5105	10.7171	10.0997	200.014	0
81.4178	-99999	100.345	10.4324	10.2272	201.27	0
80.969	-99999	102.064	10.1533	10.4127	203.93	0
79.9398	-99999	99.6614	9.88422	10.6344	200.663	0
83.2405	-99999	97.4514	9.60527	10.8658	193.277	0
85.8172	-99999	96.7694	9.34975	11.0886	194.777	0
86.0927	-99999	93.0566	9.10402	11.2881	189.497	0

81.3569	-99999	90.373	8.8645	11.4557	180.352	0
83.5896	-99999	88.7714	8.63559	11.5837	178.548	0
85.2517	-99999	92.5394	8.42702	11.6527	174.539	0
84.2846	-99999	95.2818	8.22956	11.6318	166.146	0
84.0545	-99999	94.9418	8.02399	11.499	158.134	0
85.7568	-99999	94.9249	7.84441	11.2582	156.418	0
88.3971	-99999	95.6299	7.6642	10.9273	150.923	0
86.8175	-99999	98.3592	7.46278	10.5329	143.592	0
86.4069	-99999	100.634	7.26174	10.0824	136.24	0
90.9086	-99999	100.206	7.05032	9.58535	122.883	0
86.4253	-99999	100.488	6.83216	9.06721	110.41	0
87.017	-99999	99.7686	6.61918	8.55504	103.174	0
85.1475	-99999	99.4075	6.40912	8.07867	100.747	0
81.962	-99999	100.456	6.22317	7.65416	102.797	0
81.0353	-99999	102.007	6.03693	7.31182	100.332	0
77.2848	-99999	101.68	5.89297	7.0564	103.696	0
78.401	-99999	100.453	5.79414	6.87316	103.782	0
74.2306	-99999	102.28	5.74258	6.76308	111.645	0
71.3644	-99999	103.567	5.74663	6.72824	120.255	0
74.2898	-99999	104.651	5.80972	6.76357	124.724	0
77.3423	-99999	102.674	5.91856	6.8621	127.613	0
84.2362	-99999	101.904	6.08245	7.01346	128.801	0
82.4812	-99999	101.818	6.29322	7.20652	130.209	0
87.6829	-99999	98.6981	6.54172	7.41725	134.507	0
85.0849	-99999	99.6853	6.82209	7.63192	134.436	0
87.8994	-99999	102.5	7.12068	7.83732	134.613	0
90.2294	-99999	102.118	7.42762	8.02064	142.99	0
92.8052	-99999	101.45	7.74881	8.18686	141.792	0
93.0779	-99999	97.9395	8.05837	8.34099	143.718	0
92.4586	-99999	99.2594	8.35316	8.46939	147.706	0
89.3289	-99999	96.3386	8.62905	8.5744	145.595	0
88.8834	-99999	94.5953	8.86142	8.6485	147.404	0
84.3503	-99999	95.4752	9.07995	8.69127	148.129	0
84.9071	-99999	94.2152	9.27851	8.71758	143.223	0
82.1008	-99999	85.3186	9.48091	8.75196	140.341	0
83.6086	-99999	82.9446	9.68678	8.82418	129.759	0
83.5072	-99999	78.7011	9.89551	8.92775	129.282	0
83.9479	-99999	79.7784	10.1264	9.07383	127.815	0
79.5543	-99999	78.3387	10.38	9.25613	138.236	0
80.2271	-99999	78.9147	10.6493	9.46471	150.185	0
81.9625	-99999	80.2133	10.9506	9.7077	153.309	0
81.7041	-99999	83.0738	11.2437	9.96367	150.752	0
82.2933	-99999	83.1503	11.5279	10.2354	154.71	0
83.926	-99999	85.6113	11.7977	10.5109	152.079	0
83.145	-99999	88.053	12.0328	10.7539	154.333	0
81.0882	-99999	86.7029	12.2262	10.9645	158.96	0
78.2661	-99999	89.1057	12.3729	11.0944	164.363	0

78.9823	-99999	87.4277	12.4669	11.1355	156.036	0
79.4572	-99999	87.1965	12.5032	11.075	144.17	0
82.4094	-99999	87.5571	12.4739	10.9277	136.044	0
85.6416	-99999	84.116	12.393	10.7341	142.258	0
85.0018	-99999	84.4048	12.2434	10.5123	151.444	0
82.9005	-99999	83.5219	12.0379	10.2868	165.818	0
82.8086	-99999	78.9165	11.8098	10.0809	178.034	0
84.0593	-99999	77.8375	11.5855	9.88664	180.399	0
84.164	-99999	76.2749	11.4088	9.73558	180.674	0
83.1947	-99999	77.962	11.271	9.64355	186.543	0
80.3489	-99999	76.8449	11.2012	9.63091	190.852	0
75.5576	-99999	72.7454	11.2239	9.70573	197.36	0
72.7447	-99999	68.2035	11.351	9.84801	202.094	0
71.9907	-99999	64.3518	11.6083	10.0284	200.079	0
71.9165	-99999	64.4297	11.9114	10.2205	194.843	0
68.1612	-99999	67.8481	12.2658	10.3904	194.694	0
63.7782	-99999	69.2227	12.6051	10.5414	200.037	0
63.3464	-99999	67.202	12.8807	10.6859	195.976	0
61.6654	-99999	65.0508	13.1374	10.8212	194.926	0
60.2879	-99999	64.5869	13.354	10.9196	207.028	0
57.6847	-99999	62.8403	13.5253	10.9524	208.265	0
54.1489	-99999	62.1007	13.6164	10.9204	205.411	0
50.643	-99999	62.8937	13.6684	10.8437	211.163	0
48.6344	-99999	59.949	13.7174	10.7429	211.283	0
49.5354	-99999	57.0265	13.742	10.6512	207.4	0
50.9296	-99999	55.5741	13.7815	10.592	200.241	0
50.0911	-99999	54.5574	13.8594	10.5464	206.684	0
51.0984	-99999	54.482	13.9096	10.4866	206.396	0
51.1379	-99999	55.3477	13.9909	10.4418	202.265	0
56.3786	-99999	58.7136	14.0698	10.4615	213.491	0
60.6502	-99999	63.557	14.1658	10.564	225.987	0
64.0571	-99999	66.1553	14.2436	10.746	220.93	0
65.0598	-99999	67.2582	14.4097	10.9891	213.199	0
66.528	-99999	66.3582	14.6347	11.2685	209.582	0
66.6252	-99999	65.5562	14.863	11.5569	225.76	0
67.5017	-99999	66.3383	15.1064	11.8574	217.477	0
67.9874	-99999	65.261	15.3951	12.1352	218.089	0
70.8885	-99999	64.9983	15.5698	12.4038	214.357	0
73.9135	-99999	65.8689	15.796	12.6577	193.342	0
73.486	-99999	63.4573	15.9764	12.8184	175.684	0
71.3211	-99999	63.5712	16.0437	12.8519	169.773	0
70.1963	-99999	63.8111	16.0104	12.7799	177.526	0
70.0913	-99999	68.0283	15.8777	12.6215	173.563	0
72.8175	-99999	70.9947	15.7224	12.3921	154.197	0
74.8533	-99999	71.8942	15.5585	12.1378	160.89	0
76.0758	-99999	75.0314	15.3531	11.9182	156.354	0
78.5435	-99999	77.4127	15.1874	11.6658	155.145	0

77.5729	-99999	79.1781	14.964	11.3831	159.543	0
76.0688	-99999	84.863	14.8149	11.1347	155.493	0
80.3019	-99999	88.8201	14.7107	10.9299	159.49	0
83.7993	-99999	91.4631	14.6478	10.7715	152.546	0
83.5662	-99999	91.45	14.5578	10.6541	152.971	0
88.0754	-99999	90.9322	14.4938	10.5754	155.491	0
87.0593	-99999	92.1264	14.4242	10.5097	154.856	0
86.227	-99999	92.0006	14.3893	10.4677	160.452	0
81.916	-99999	91.4569	14.3557	10.4716	155.71	0
78.1077	-99999	91.2093	14.3424	10.494	162.27	0
81.7607	-99999	85.1768	14.3281	10.5563	173.648	0
80.677	-99999	80.5448	14.3286	10.6312	180.556	0
80.7173	-99999	78.6762	14.3418	10.7082	174.233	0
78.8763	-99999	77.5439	14.4173	10.7775	167.094	0
72.9729	-99999	83.3818	14.4593	10.8268	160.871	0
74.4846	-99999	78.4173	14.4645	10.8574	162.307	0
77.6913	-99999	76.6631	14.4436	10.8608	161.485	0
78.4303	-99999	77.1016	14.4009	10.8146	173.558	0
77.6824	-99999	74.3386	14.3436	10.7293	164.616	0
76.9129	-99999	71.8072	14.228	10.6	155.348	0
76.2196	-99999	70.9142	14.0814	10.4727	151.67	0
72.0328	-99999	72.3767	13.9058	10.3604	161.051	0
72.1781	-99999	73.9044	13.7352	10.2631	169.46	0
73.1229	-99999	72.6351	13.5993	10.1936	178.267	0
73.1226	-99999	78.056	13.512	10.144	181.452	0
73.6088	-99999	76.2561	13.4523	10.1166	182.615	0
74.0972	-99999	73.5783	13.3872	10.0984	179.986	0
75.1663	-99999	79.6302	13.3386	10.0965	183.127	0
75.0941	-99999	80.9188	13.33	10.1278	188.171	0
75.0589	-99999	81.7937	13.3245	10.1881	195.156	0
76.6325	-99999	82.3934	13.2983	10.276	196.399	0
76.8116	-99999	79.1291	13.2598	10.3609	193.846	0
76.703	-99999	76.3015	13.2214	10.4409	198.489	0
74.012	-99999	75.6745	13.1957	10.5377	199.92	0
70.0196	-99999	76.7658	13.2254	10.6535	195.825	0
69.1661	-99999	75.2023	13.292	10.7961	197.303	0
68.2829	-99999	71.2661	13.4414	10.9712	199.685	0
69.2538	-99999	71.7615	13.6572	11.1694	193.847	0
71.7392	-99999	71.5408	13.939	11.3804	189.311	0
74.2318	-99999	71.0596	14.2724	11.6322	188.447	0
73.5556	-99999	73.4904	14.5904	11.9441	183.811	0
71.0237	-99999	70.9776	14.8776	12.2733	175.107	0
73.8685	-99999	70.3839	15.1442	12.5744	176.339	0
77.1136	-99999	72.4933	15.4102	12.8289	182.032	0
76.7096	-99999	73.6746	15.6647	13.0233	187.77	0
77.1166	-99999	73.7752	15.8659	13.1166	190.97	0
75.1602	-99999	76.2462	16.0118	13.1234	188.57	0

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81.2298	-99999
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76.1713	16.0789	12.9411	182.87	0
73.8974	16.0416	12.7261	184.626	0
74.8777	15.9402	12.4158	182.91	0
73.308	15.7638	12.0293	172.092	0
70.944	15.4669	11.5934	167.253	0
70.7607	15.1211	11.1559	159.288	0
69.7797	14.6893	10.759	166.254	0
68.3987	14.2415	10.3939	181.355	0
71.3361	13.8285	10.0441	187.716	0

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46.6622	-99999
45.903	-99999
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48.0544	-99999
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42.985	-99999
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47.0487	-99999
47.6339	-99999
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50.6403	-99999
54.0092	-99999
56.09	-99999
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59.6302	-99999
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63.9201	-99999
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-99999	-99999

Gamma2R_F	ShtResR_F	LngResR_F	7AvgGam	Gamma (11	Natural Gamma repeat (11 point moving Aver
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0	0	0	63.04954	47.67242	
0	0	0	76.0352	54.34267	
0	0	0	88.53449	60.73075	
0	0	0	88.7435	67.00308	
0	0	0	88.13756	73.16905	
0	0	0	87.29491	79.39882	0
0	0	0	85.96374	85.23948	0
0	0	0	84.4054	84.20144	0
0	0	0	82.2667	82.73578	0
0	0	0	80.01821	81.15298	0
0	0	0	77.37817	78.99804	0
0	0	0	75.06637	76.61979	0
0	0	0	72.198	74.54142	0
0	0	0	69.45806	72.22454	0
0	0	0	67.01431	69.74134	0
0	0	0	64.36387	67.65351	0
0	0	0	61.88903	65.71668	0
0	0	0	60.12763	64.10646	0
0	0	0	58.62751	62.44838	0
0	0	0	58.30796	61.30204	0
0	0	0	58.08706	60.35405	0
0	0	0	57.67929	59.70861	0
0	0	0	57.97303	59.52618	0
0	0	0	58.74596	59.82427	0
0	0	0	59.97276	60.13965	0
0	0	0	61.25494	60.18824	0
0	0	0	62.09113	60.87603	0
0	0	0	62.81691	61.78652	0
0	0	0	63.57271	62.87565	0
0	0	0	64.54933	63.9378	0
0	0	0	66.00929	64.52709	0
0	0	0	66.82053	65.19124	0
0	0	0	67.04177	66.00069	0
0	0	0	67.46857	67.15903	0
0	0	0	68.47384	68.36608	0
0	0	0	69.64146	69.16472	0
0	0	0	70.96513	70.10664	0
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0	0	0	74.09407	72.90985	0
0	0	0	75.36306	74.01612	0
0	0	0	76.404	74.81046	0
0	0	0	77.28393	75.43103	0

0	0	0	77.97743	76.30645	0
0	0	0	78.45796	77.24315	0
0	0	0	78.5557	78.03547	0
0	0	0	79.08116	78.7416	0
0	0	0	79.78127	79.57588	0
0	0	0	80.47186	80.54425	0
0	0	0	81.2904	81.08522	0
0	0	0	82.30091	81.67877	0
0	0	0	83.21199	82.40939	0
0	0	0	84.07124	83.21729	0
0	0	0	84.95751	84.00068	0
0	0	0	86.02739	84.65932	0
0	0	0	87.05079	85.44809	0
0	0	0	87.41809	86.28794	0
0	0	0	87.5651	87.15651	0
0	0	0	88.2179	88.1691	0
0	0	0	89.2541	89.00075	0
0	0	0	90.47787	89.63995	0
0	0	0	91.21256	90.05663	0
0	0	0	91.76333	90.56287	0
0	0	0	92.3245	91.00308	0
0	0	0	92.71086	91.34315	0
0	0	0	92.82793	91.3836	0
0	0	0	92.7327	91.37363	0
0	0	0	91.99717	91.26015	0
0	0	0	91.45757	91.47863	0
0	0	0	90.42704	91.47912	0
0	0	0	90.20596	91.04079	0
0	0	0	89.9195	90.2395	0
0	0	0	89.32414	89.32032	0
0	0	0	88.42824	88.66994	0
0	0	0	87.38076	88.30785	0
0	0	0	86.74219	87.73206	0
0	0	0	86.84166	87.58643	0
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0	0	0	85.65897	87.05228	0
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0	0	0	90.65544	89.12912	0
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0	0	0	92.16217	89.7712	0
0	0	0	92.26471	90.0816	0
0	0	0	92.29591	90.45438	0
0	0	0	92.46754	90.23849	0

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0	0	0	96.46807	94.05516	0
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0	0	0	91.12081	92.13299	0
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0	0	0	85.51994	88.92768	0
0	0	0	82.90759	86.88778	0
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0	0	0	78.67059	83.70834	0
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0	0	0	91.89917	89.55588	0
0	0	0	90.73009	89.67364	0
0	0	0	89.33506	89.44746	0
0	0	0	87.79201	88.89562	0
0	0	0	86.57994	88.25812	0
0	0	0	85.54563	87.56835	0
0	0	0	84.61063	86.77183	0
0	0	0	84.298	86.08918	0
0	0	0	83.90037	85.60382	0
0	0	0	83.9218	85.60969	0
0	0	0	84.27703	85.76788	0
0	0	0	85.24811	85.94585	0
0	0	0	86.67577	86.29205	0
0	0	0	87.60494	87.08922	0
0	0	0	88.35983	87.66137	0
0	0	0	89.92449	88.55593	0
0	0	0	90.7118	89.45204	0
0	0	0	92.06244	90.09657	0
0	0	0	92.68141	90.26273	0
0	0	0	92.64961	90.18765	0
0	0	0	92.31507	90.38625	0
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0	0	0	90.04486	90.07803	0
0	0	0	89.4408	89.8373	0
0	0	0	88.07487	89.42912	0
0	0	0	87.39126	88.81687	0

0	0	0	86.36539	87.95539	0
0	0	0	85.67466	87.73457	0
0	0	0	85.77886	87.46185	0
0	0	0	85.78726	86.9898	0
0	0	0	86.52813	87.1091	0
0	0	0	86.94613	87.11239	0
0	0	0	87.58296	87.20285	0
0	0	0	88.01259	86.8802	0
0	0	0	88.1376	86.96609	0
0	0	0	88.04807	87.29267	0
0	0	0	88.01363	86.9803	0
0	0	0	87.76069	87.06066	0
0	0	0	87.37361	87.35376	0
0	0	0	86.27543	87.57118	0
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0	0	0	86.46289	87.72464	0
0	0	0	87.5405	87.71351	0
0	0	0	87.93686	86.99403	0
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0	0	0	80.30501	80.28567	0
0	0	0	76.9501	78.80911	0
0	0	0	73.57906	77.3177	0
0	0	0	71.07486	75.97538	0
0	0	0	69.17263	74.37378	0
0	0	0	68.13676	73.16194	0
0	0	0	67.9396	72.41586	0
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0	0	0	78.25761	75.71904	0
0	0	0	80.27899	77.53106	0
0	0	0	81.699	79.25119	0
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0	0	0	84.68964	82.51833	0
0	0	0	85.94881	84.02464	0
0	0	0	87.07009	84.77563	0
0	0	0	87.77011	85.31008	0
0	0	0	87.75921	86.06203	0
0	0	0	87.91961	86.51245	0
0	0	0	87.91573	86.42066	0
0	0	0	87.37409	86.10918	0

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0	0	0	83.95747	85.62373	0
0	0	0	83.74753	85.42676	0
0	0	0	83.66121	85.33338	0
0	0	0	83.50986	85.40389	0
0	0	0	83.75913	86.05803	0
0	0	0	85.1818	87.22128	0
0	0	0	87.67511	88.31949	0
0	0	0	90.01734	89.30241	0
0	0	0	92.45254	90.65358	0
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0	0	0	97.08104	94.31738	0
0	0	0	99.56296	95.64665	0
0	0	0	101.48	96.66565	0
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0	0	0	98.8966	97.90376	0
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0	0	0	89.21576	93.83534	0
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0	0	0	86.03486	89.94333	0
0	0	0	84.83084	87.45705	0
0	0	0	83.96727	85.44538	0
0	0	0	82.42727	84.00303	0

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0	0	0	77.43123	79.51445	0
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0	0	0	77.49301	80.05963	0
0	0	0	78.66699	80.18495	0
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0	0	0	85.74283	86.59671	0
0	0	0	87.25007	87.12958	0
0	0	0	89.04673	87.37844	0
0	0	0	90.17597	87.66263	0
0	0	0	90.2937	88.02761	0
0	0	0	90.18964	88.54553	0
0	0	0	90.27849	89.33041	0
0	0	0	90.40424	89.59256	0
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0	0	0	89.40047	88.30338	0
0	0	0	87.72574	88.09348	0
0	0	0	86.37096	87.706	0
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0	0	0	85.14556	86.0312	0
0	0	0	84.40627	85.26185	0
0	0	0	82.91963	84.63468	0
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0	0	0	90.83716	88.76534	0
0	0	0	92.46527	89.53887	0
0	0	0	93.70249	90.32344	0
0	0	0	93.5968	90.8517	0

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0	0	0	92.6177	91.61178	0
0	0	0	91.52009	91.81051	0
0	0	0	90.82443	91.56669	0
0	0	0	90.31027	91.09105	0
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0	0	0	89.24044	89.29129	0
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0	0	0	101.1579	99.87098	0
0	0	0	100.4006	100.0825	0
0	0	0	99.15031	100.1203	0
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0	0	0	98.37741	100.4498	15.19017
0	0	0	98.89047	100.2737	22.5793
0	0	0	99.54933	99.79499	29.79089
0	0	0	100.021	99.64718	36.82748
98.4223	0	0	100.2556	99.51963	43.56104
99.0499	0	0	100.3723	99.72532	50.63722
96.0587	0	0	100.4622	99.94955	57.68594
93.7507	0	0	100.7294	100.2791	64.71079
91.4756	0	0	100.6907	100.818	71.70038
87.5363	0	0	100.8408	101.5026	78.68454
91.9903	0	0	101.4115	102.3101	86.02339
91.6334	0	0	102.3215	102.936	93.485
91.3231	0	0	103.6999	102.971	93.37267
90.8646	0	0	104.7221	102.9226	93.53975
90.7941	0	0	104.9181	102.8568	93.84339
95.4051	0	0	105.0707	102.8109	94.55149
97.0009	0	0	104.8083	102.7407	95.19649
96.962	0	0	103.9567	102.4046	96.11406

101.222	0	0	102.6716	102.0806	96.62707
100.006	0	0	100.6376	101.9046	97.02141
102.956	0	0	99.14091	101.8011	97.34666
99.8606	0	0	98.71017	101.6506	97.82975
99.4647	0	0	98.75803	101.2907	98.41063
98.6594	0	0	99.17146	100.6391	98.39178
96.7598	0	0	99.49831	99.92425	98.01321
95.5514	0	0	99.79701	99.32747	97.78165
97.1448	0	0	100.1157	98.74578	97.36942
98.3455	0	0	99.8051	98.22455	97.02683
95.1601	0	0	99.20441	97.40156	96.13313
92.0794	0	0	98.16614	96.66477	95.26568
93.9517	0	0	96.06559	95.86728	94.17225
95.8631	0	0	94.08056	94.84502	92.91769
95.5523	0	0	91.7757	93.70621	91.90318
91.3379	0	0	89.70804	92.50876	91.01178
88.5837	0	0	88.27069	91.25651	89.81315
85.2502	0	0	87.175	89.96318	88.14571
82.3501	0	0	86.2308	88.73528	86.48923
83.5711	0	0	85.68419	87.96732	85.20638
83.9633	0	0	85.07083	87.5168	84.1046
81.5626	0	0	85.44434	87.31022	83.14548
76.6687	0	0	86.19556	87.48322	82.40365
73.6259	0	0	87.32616	88.4039	82.24463
75.4024	0	0	88.83299	89.53776	82.34965
79.6285	0	0	90.76789	91.07638	82.7868
83.3945	0	0	93.29049	92.89511	83.80038
85.9086	0	0	96.12344	94.76724	84.89991
89.2706	0	0	98.85964	96.37815	85.98043
89.949	0	0	101.7358	97.91863	87.02622
90.9331	0	0	104.0154	99.40665	88.39072
95.5267	0	0	105.6109	100.6895	90.15523
97.8649	0	0	106.1179	101.5352	91.81182
98.0101	0	0	105.7813	102.0241	93.13637
95.1578	0	0	104.8678	102.0426	94.024
94.4072	0	5.66871	103.1494	101.4488	94.31805
96.5646	0	5.69321	100.8375	100.1763	94.29113
96.938	0	5.72892	98.24991	98.69469	94.2465
96.8477	0	5.77377	94.96064	97.17796	94.29468
94.9337	0	5.82827	91.96829	95.91457	93.86745
89.7313	0	5.89593	89.60193	94.72165	93.04284
88.9206	0	5.97438	88.42136	93.38662	91.99222
89.3688	0	6.06325	88.17413	92.02532	91.15435
91.5594	5.9686	6.15734	87.94003	91.19017	90.21312
89.9728	6.06518	6.2522	88.1101	90.69328	89.37919
87.1449	6.17861	6.35124	89.42939	90.3664	88.40623
84.352	6.31043	6.44752	90.92153	90.24612	87.66846

84.2656	6.45298	6.54505	92.2178	89.9689	86.87346
82.1711	6.60948	6.63613	92.62223	89.51588	86.05947
85.7236	6.76266	6.72031	92.01101	89.22042	85.31325
84.2895	6.9013	6.80018	91.0614	89.09485	84.54992
87.2567	7.02495	6.87935	89.75156	88.9391	83.85473
84.5987	7.13664	6.95208	88.07697	88.30792	83.46847
79.1494	7.2382	7.0245	86.34416	87.70612	83.16657
79.2197	7.33771	7.09703	84.59846	87.35267	83.5743
79.4456	7.43372	7.17195	83.457	86.90665	83.92789
82.5219	7.52024	7.24857	83.08131	86.17444	84.50008
84.9514	7.5963	7.33023	83.2644	85.39875	85.37101
83.2202	7.67046	7.4139	83.77256	84.56962	86.20262
89.6525	7.74484	7.51265	84.05734	83.93771	86.9416
88.8623	7.81345	7.61191	84.10306	83.83322	87.43489
89.6095	7.88508	7.71107	84.50613	83.92558	88.61477
97.0457	7.95162	7.80278	84.81847	83.96857	90.30387
95.1004	8.00377	7.88895	84.69681	83.84962	91.87048
96.8635	8.04913	7.96865	84.29511	83.79059	93.06023
91.0115	8.09159	8.04507	83.75946	84.00275	94.08355
94.4878	8.12878	8.10948	83.35759	84.2515	94.96047
101.178	8.15309	8.15907	83.54569	84.49633	95.35391
99.8116	8.16703	8.16842	84.03976	84.73325	95.81805
97.9886	8.16438	8.15438	84.31281	85.00282	96.73947
98.2546	8.14656	8.11783	84.76434	85.13478	97.01172
94.6201	8.11814	8.07095	85.6933	85.34056	97.0604
94.7672	8.08387	8.00778	86.44407	85.45113	96.96075
94.8961	8.03588	7.93079	86.98157	85.50408	97.59162
101.588	7.97792	7.84079	87.19599	85.43636	98.06348
100.585	7.92005	7.74673	87.1447	85.23173	97.88533
95.7332	7.86244	7.64663	86.44259	85.12354	97.83782
95.5681	7.80088	7.55669	85.22087	84.88837	97.83312
99.2127	7.75212	7.47421	83.98366	84.48357	97.46333
100.622	7.70385	7.4089	82.89996	84.13236	96.90962
98.8621	7.6671	7.34961	81.95413	83.75682	96.22783
99.1939	7.62705	7.2985	81.59061	83.38615	95.39195
97.9276	7.59596	7.25384	81.0679	82.83358	93.77521
93.4473	7.56025	7.21698	80.9568	82.95591	92.44231
87.4219	7.521	7.1899	81.23959	83.68299	91.76622
85.9039	7.48697	7.16958	82.41847	84.74987	91.12462
84.0297	7.45904	7.15908	84.74301	85.91114	90.29722
80.5703	7.42557	7.15673	87.69054	87.4497	89.56038
83.2573	7.40307	7.15733	90.44814	88.89693	89.27144
86.944	7.37826	7.16381	93.30079	90.52415	89.04648
87.2273	7.35486	7.17795	95.45519	92.82621	89.19922
88.4565	7.34573	7.1975	98.26614	95.19228	89.96573
91.0432	7.35302	7.21629	101.2305	96.92429	91.14197
95.1058	7.35769	7.23412	103.3285	98.25341	92.40175

96.2694	7.35875	7.2549	104.2003	100.1204	93.82069
99.9132	7.35275	7.27227	103.9893	101.891	95.83936
103.412	7.34779	7.2825	104.4881	103.53	97.91895
102.713	7.33512	7.2849	105.3714	104.9657	99.69595
102.281	7.31902	7.28437	106.5721	106.2083	101.5055
102.476	7.30389	7.2744	107.2879	106.7362	102.9837
106.813	7.27842	7.26377	108.1489	107.2242	104.0446
110.292	7.25282	7.24793	108.6703	108.2502	104.5914
110.045	7.23248	7.23526	109.9609	109.1296	104.9295
110.751	7.21611	7.21904	110.5534	108.656	104.7589
107.674	7.21875	7.20491	111.7093	107.6885	103.9272
104.834	7.22534	7.18699	110.7503	106.69	102.9641
102.214	7.23419	7.1723	108.3851	105.8776	101.8903
100.665	7.2524	7.15392	105.0949	104.1174	100.6014
97.696	7.27408	7.14023	102.3946	102.6589	99.03045
92.6	7.2892	7.12262	98.71823	100.7486	96.99375
90.1917	7.308	7.10971	94.98756	98.64002	94.94757
88.3219	7.3232	7.09592	91.00737	96.45102	92.78728
85.7203	7.34442	7.09275	88.68676	94.89761	91.09172
86.3909	7.35712	7.09561	87.27926	93.51035	89.40304
83.815	7.37366	7.11186	86.77004	92.01543	87.81858
83.4446	7.39088	7.13961	86.99319	90.51962	86.56032
82.6673	7.42148	7.16955	88.07843	89.86166	85.72056
85.6316	7.46635	7.20851	89.16489	89.47259	84.95331
82.8812	7.5188	7.25944	90.53171	89.3877	84.78048
81.6161	7.57012	7.32213	91.35983	89.20542	84.75232
84.3075	7.63377	7.38567	91.97736	89.06005	85.16106
86.7792	7.69487	7.45058	91.8234	88.81338	84.98766
82.6257	7.76531	7.51236	90.45339	88.53052	85.41857
87.9449	7.83641	7.56984	89.04089	88.19081	85.83343
87.9558	7.90477	7.62115	87.31333	88.01456	86.32821
91.034	7.9553	7.6839	85.58374	87.98128	86.16879
84.1367	7.99547	7.74	84.57149	87.93845	86.36493
89.4168	8.03426	7.78401	84.15811	87.7486	86.52379
88.8378	8.08266	7.80903	84.64023	87.40149	86.81352
89.0994	8.12312	7.83707	85.64289	87.07498	87.08684
83.5592	8.16075	7.85829	86.54281	86.94092	88.26698
85.431	8.1951	7.87993	87.82857	86.77517	88.90614
83.6813	8.23184	7.89793	89.0386	86.82153	89.62952
88.074	8.2729	7.9154	89.67563	87.31541	90.0433
90.3323	8.32169	7.92914	89.66959	87.74482	91.30294
97.9675	8.3656	7.9427	89.29631	88.34653	92.12757
96.254	8.39344	7.95858	89.03387	88.89159	92.94019
97.3597	8.4169	7.98394	89.0684	89.22619	93.31796
96.4132	8.4475	8.00198	88.95744	89.20325	93.65327
100.512	8.48001	8.01808	88.81557	88.88035	93.51208
100.137	8.50287	8.02693	88.6674	88.89463	93.28934

99.4019	8.52706	8.03363	88.46376	89.00062	92.71325
94.0104	8.53983	8.03361	88.57573	88.81457	92.32968
87.9182	8.5403	8.03242	88.875	88.27267	91.41808
83.5955	8.55736	8.028	88.69779	87.40595	90.67764
80.7857	8.58104	8.01851	87.88917	86.82618	89.86214
80.5849	8.58722	7.99666	86.29519	86.45875	89.42323
85.3458	8.59272	7.97215	85.25503	86.48476	88.97004
86.1168	8.59251	7.94605	84.79906	86.7497	88.68521
86.6282	8.58508	7.93131	84.5584	87.12812	88.30302
86.7582	8.57378	7.92701	84.88813	87.59325	88.10537
90.7074	8.55891	7.9345	85.82547	88.01858	87.97052
94.6205	8.55463	7.94773	87.55379	88.6036	87.99297
96.4342	8.53984	7.95909	89.80514	89.47778	88.21864
94.4334	8.54164	7.97125	91.76469	90.45478	88.48725
91.441	8.55447	7.99809	94.18249	91.80292	88.30638
86.1652	8.56867	8.03758	96.2479	93.40469	88.10753
83.8873	8.60085	8.08367	98.08233	94.97757	88.00443
83.7194	8.65058	8.13836	99.54566	95.66869	88.08173
84.0769	8.6932	8.18902	100.0089	95.66287	87.83916
82.9944	8.74365	8.22861	99.46237	95.68775	87.27299
83.5318	8.79081	8.26145	97.90913	95.26816	86.61802
85.2879	8.83194	8.28882	96.0912	94.05692	85.86762
87.7631	8.86982	8.31151	93.82726	92.81115	85.18005
87.554	8.89396	8.32672	90.01147	91.30428	84.70838
87.2603	8.90098	8.34105	86.45149	89.69131	84.22842
87.9195	8.90852	8.33766	82.98333	87.65181	83.85712
84.6782	8.90897	8.32143	80.66383	85.71921	83.64842
82.5026	8.91264	8.30426	79.3048	83.85832	83.78524
80.0336	8.92982	8.29132	77.7349	82.12311	84.11502
77.6477	8.93561	8.28215	76.89263	81.4555	84.42158
78.8925	8.96223	8.28559	77.38287	81.55547	84.83959
81.3638	8.97984	8.302	78.91987	81.85318	85.32848
84.7731	9.02031	8.31505	81.35743	81.89317	86.03585
87.819	9.08122	8.32532	83.35261	81.86954	86.73695
89.2731	9.14311	8.3454	85.39659	82.54871	87.55397
93.1973	9.20986	8.36632	86.67787	83.3761	88.59869
93.9095	9.28893	8.39235	87.57933	84.86498	90.02791
96.4562	9.35388	8.42468	88.77847	85.98084	91.71868
97.0338	9.43802	8.4584	89.31523	86.85622	93.43948
95.2994	9.51602	8.49206	88.88237	87.92865	94.88319
96.084	9.5931	8.52171	88.59616	88.96459	96.12903
98.6134	9.66549	8.5591	88.94364	89.91178	97.10026
99.6277	9.72836	8.59383	90.06916	90.27322	98.21064
101.263	9.77984	8.62754	91.05714	90.80782	99.14938
100.132	9.84194	8.66173	91.72881	91.47495	100.0169
100.969	9.89349	8.68776	92.39411	91.86584	100.5601
100.445	9.95072	8.69495	93.55597	92.5565	100.5818

103.708	10.0013	8.69594	94.70016	93.25828	100.7642
105.401	10.04	8.69626	95.27246	93.30538	100.7919
105.187	10.07	8.68748	95.55331	92.52645	100.4428
103.518	10.0772	8.67723	95.08087	92.25425	100.4397
97.3162	10.0969	8.66785	93.4998	92.29533	100.0894
97.6702	10.1091	8.65853	91.56861	91.6781	99.94511
96.4438	10.1245	8.64943	90.11971	90.91265	99.39906
94.0757	10.1347	8.64519	88.59499	90.43464	98.61282
99.5866	10.1586	8.64077	87.01629	89.85103	97.82652
96.7098	10.1949	8.64136	85.81324	88.8564	96.84296
98.2561	10.2359	8.64388	85.3136	88.31385	96.08865
93.8704	10.2808	8.66515	85.5783	88.14618	95.59322
90.2239	10.3392	8.67632	86.23807	87.69659	95.23832
93.4861	10.388	8.68214	86.99459	87.00646	95.04222
92.6147	10.4289	8.68763	87.87823	86.69725	94.99715
95.381	10.4417	8.68272	88.29897	86.84596	95.33458
97.0773	10.4488	8.67545	88.14001	86.74318	95.42784
92.7025	10.4495	8.67981	87.91896	86.64998	95.70193
95.121	10.4344	8.67892	87.64407	86.74415	95.61399
95.8578	10.4152	8.67067	87.02969	86.6048	95.94428
98.4623	10.3981	8.65345	85.99123	86.34115	96.79998
100.799	10.3755	8.65541	84.98867	86.24746	97.40366
100.273	10.3515	8.66726	84.57766	86.29682	98.04907
97.1129	10.3349	8.68401	84.47827	86.03476	98.28174
98.1641	10.3409	8.70646	84.55846	85.35342	98.09876
101.348	10.3596	8.72983	84.92243	84.69784	98.13502
101.334	10.3784	8.74375	84.58667	84.45029	97.9227
101.005	10.3881	8.7498	84.07793	84.57786	97.74394
98.4057	10.3809	8.75539	84.29774	84.83358	97.54844
94.6986	10.367	8.75071	84.86534	85.28126	97.03885
93.1738	10.3595	8.72319	85.29319	85.63674	96.55188
92.3609	10.3274	8.68514	85.75804	86.2362	96.1844
93.5339	10.2767	8.62843	86.2905	87.03478	95.6741
95.9208	10.2057	8.55898	87.63069	87.77038	95.13457
94.1744	10.1121	8.48075	89.3287	88.89461	94.53367
93.9423	9.98738	8.40643	90.74354	89.92987	94.00975
92.3357	9.85964	8.34861	92.49509	90.65109	93.58482
91.5302	9.768	8.29827	94.02299	91.57505	93.01852
94.3341	9.67253	8.25846	94.89497	92.54136	92.44901
93.5223	9.58562	8.2245	95.61496	93.03948	91.92782
94.194	9.54323	8.19967	95.78751	93.26305	91.4497
92.8817	9.50072	8.1898	95.44934	93.63504	91.1699
87.3366	9.48684	8.19423	95.06601	93.95549	91.15504
85.7702	9.4693	8.21741	94.09684	93.94128	91.24648
85.5854	9.47462	8.24478	93.2342	93.58702	91.63732
87.3184	9.49691	8.26292	92.40084	93.59961	92.14665
92.2834	9.50363	8.2717	91.36721	93.62392	92.55407

93.9812	9.49153	8.2711	91.29401	93.15342	92.9733
95.1311	9.46361	8.26655	91.82893	92.97138	93.07835
97.4166	9.40044	8.25659	92.29149	92.98885	92.92765
98.1514	9.34685	8.25705	92.79049	92.75884	93.02972
99.6306	9.27277	8.25195	93.09979	92.68043	93.32408
98.9723	9.22234	8.23221	93.419	92.69659	93.72781
95.5597	9.1721	8.19727	94.10384	92.23523	94.12818
90.9226	9.09688	8.16522	93.77231	91.58205	94.39802
88.6634	9.02471	8.14713	92.48701	91.20733	94.79228
89.5969	8.98169	8.13659	91.17859	91.14119	95.2515
90.8339	8.91559	8.12741	89.9581	91.11796	95.92515
92.5232	8.87101	8.1183	88.96947	90.84288	96.62135
95.7914	8.85141	8.09205	88.31987	90.38317	97.14561
99.1065	8.80881	8.06045	87.88143	89.81038	97.51028
101.101	8.7517	8.02273	87.53257	89.57925	98.23061
106.174	8.68615	7.99364	87.7882	89.84163	98.9221
107.202	8.6286	7.95716	89.07099	90.27503	99.78849
106.446	8.56922	7.90774	90.56349	90.36222	100.4379
103.713	8.49428	7.85635	91.81041	90.46947	101.2928
104.924	8.42747	7.79865	92.70033	90.81983	101.846
99.912	8.35215	7.7368	93.07883	91.2202	102.2099
99.9265	8.26007	7.67163	93.29796	91.71481	102.2939
98.0386	8.17741	7.61415	93.79681	92.22745	102.4388
101.948	8.09159	7.56885	93.92414	92.44318	102.1122
99.7147	8.01975	7.53185	93.40029	92.38605	101.6968
100.522	7.95209	7.49988	92.34643	92.51412	101.2341
100.199	7.88012	7.48233	91.63996	92.89975	100.744
102.985	7.82521	7.46678	91.32977	92.66878	99.59101
101.928	7.77052	7.45057	91.6509	92.13587	98.66518
101.801	7.71845	7.44991	91.76121	91.77628	97.99308
100.431	7.67148	7.45757	91.34546	91.74083	97.46604
97.3416	7.62999	7.46521	90.97251	91.88668	96.73981
89.9357	7.58115	7.45784	91.39597	92.1835	95.97689
87.8763	7.52944	7.4543	92.15143	92.56947	95.25135
91.1891	7.47499	7.44123	92.68396	92.56672	94.48911
91.1871	7.41411	7.40867	93.18344	92.70492	93.60741
92.507	7.3432	7.37045	93.73459	93.87045	93.25306
89.7968	7.27095	7.33833	94.45709	95.34932	93.02145
91.0899	7.19751	7.28913	96.23561	96.59789	92.95368
90.2899	7.11972	7.23395	98.34144	97.36601	92.96148
91.5229	7.04366	7.17504	100.0792	98.05289	93.44747
97.3215	6.97505	7.11362	101.2756	98.71451	94.26366
98.79	6.90092	7.04501	101.9447	99.18597	95.16219
99.5501	6.83438	6.98586	102.7628	99.78726	96.03357
97.4429	6.77916	6.93469	103.0088	100.3201	96.90118
96.2536	6.73512	6.89361	102.3843	100.673	97.62498
98.4868	6.70184	6.86024	101.3829	100.6888	97.95367

102.87	6.67249	6.84191	100.2519	100.7107	97.82765
102.515	6.65303	6.82945	99.3543	100.9215	97.51925
103.786	6.65064	6.82622	98.67044	100.4908	96.791
99.2062	6.65528	6.8365	98.55577	99.5988	95.96085
95.3628	6.66788	6.85003	98.6589	98.77641	94.77698
88.6517	6.68356	6.85886	97.99144	98.0921	93.59482
87.5137	6.6955	6.87444	97.21229	97.39267	92.43284
87.8542	6.69459	6.91676	96.48253	96.38803	91.28465
87.998	6.67768	6.96827	95.82337	95.63002	90.04365
84.1599	6.65192	7.01466	94.73504	94.89605	89.03818
82.0748	6.65124	7.057	93.18174	93.90645	87.99042
81.1478	6.64897	7.09409	91.99406	93.37549	87.26539
83.5603	6.64284	7.12458	90.81139	93.04735	86.49294
86.7371	6.63184	7.15265	90.22167	92.43974	86.28155
89.4438	6.63045	7.18233	89.98547	91.24584	86.23002
90.1652	6.64977	7.21655	89.47214	90.27135	86.16777
89.7808	6.7052	7.24093	89.00599	90.15371	86.10035
85.3209	6.76371	7.24371	88.70707	89.80468	86.15475
85.9036	6.80603	7.22645	89.18423	89.72246	86.40912
86.8439	6.80484	7.20637	89.59473	90.05243	86.69126
87.0449	6.81197	7.19725	89.69833	90.36919	86.81913
87.1215	6.82707	7.19438	90.26139	90.91233	86.88097
84.8672	6.85922	7.19489	90.88974	91.75515	86.75975
85.3815	6.88477	7.19153	92.56237	93.02914	86.75607
84.8157	6.91619	7.1704	94.74969	93.86545	86.69655
85.2226	6.93171	7.13865	96.15147	94.14302	86.83082
87.541	6.99005	7.1322	97.7631	95.08708	86.9421
87.868	7.08027	7.16396	98.19507	95.92213	87.11176
90.1173	7.20044	7.2177	98.8222	96.78868	87.20114
89.007	7.34089	7.2889	99.31859	97.22556	87.41538
87.0664	7.51357	7.38077	99.62029	97.78531	88.12336
87.3503	7.72932	7.49938	99.34357	97.94224	88.66247
89.0495	7.98492	7.6491	98.42761	97.81228	88.98118
88.2068	8.28527	7.83648	97.2695	97.88423	89.15675
89.9066	8.61984	8.06374	97.07574	97.51549	89.41759
94.071	8.97365	8.33516	96.08446	96.69487	89.54361
92.3899	9.37006	8.62414	95.52147	95.83729	89.21088
88.9589	9.79719	8.90391	94.57547	95.16062	89.01155
87.505	10.2435	9.15744	93.57326	94.85943	88.87208
90.932	10.6986	9.40747	92.88867	94.09556	88.22147
89.5062	11.139	9.68726	92.46986	93.85098	87.39349
85.7919	11.5703	10.0091	91.91971	93.69611	86.81015
86.4157	12.0026	10.3721	91.82827	93.64476	86.2375
85.2533	12.4765	10.777	92.52714	94.06897	85.05891
78.8923	12.9586	11.1699	93.67909	95.06057	84.53927
78.2858	13.4631	11.5421	95.14359	95.93614	84.62461
80.6234	13.9909	11.9011	97.0837	96.4548	85.09115

82.4621	14.516	12.2896	99.07534	97.30023	85.48366
78.7493	15.0322	12.7054	100.4659	98.36716	86.55926
85.6346	15.5167	13.1098	101.9272	99.29974	88.12988
90.0683	16.0138	13.4259	103.2503	99.89949	89.45137
93.5701	16.4493	13.6184	104.0754	100.4439	91.06742
96.0346	16.7683	13.6341	103.7168	100.9092	93.11417
103.489	17.0793	13.5515	102.4674	100.9859	94.72244
106.21	17.2819	13.4023	101.1555	100.8583	96.03098
103.595	17.4296	13.2371	100.2433	100.4774	96.792
106.262	17.5741	13.0197	99.135	99.51488	97.66665
105.5	17.7007	12.7394	97.59806	98.01388	97.75142
99.1933	17.7993	12.4101	95.54313	96.47805	97.4286
97.6345	17.873	12.0873	93.58184	95.25307	96.99312
92.3553	17.9396	11.7822	91.71029	93.56459	96.12627
90.1197	17.9989	11.5473	89.96159	91.70978	94.97735
86.7366	18.0282	11.3459	88.1447	89.87345	93.67272
85.8717	18.0302	11.1728	86.26017	88.17905	92.56427
87.9089	17.9698	11.0082	84.38236	86.68955	91.65642
84.7655	17.8093	10.8304	82.66453	85.74948	90.80173
88.5531	17.6072	10.6483	81.43649	85.1352	90.80918
89.2498	17.3769	10.4437	81.23097	84.40708	91.22229
89.1851	17.0961	10.2344	81.45293	83.844	92.09704
94.4599	16.8052	10.06	82.1282	83.97354	93.48083
94.3891	16.512	9.91106	82.99017	84.23834	95.11017
99.2901	16.2542	9.80377	84.58614	84.47963	96.65542
103.005	16.0801	9.73458	86.26339	84.9753	97.97105
103.727	16.0741	9.71854	87.60616	85.86428	99.05349
108.109	16.2398	9.76766	88.52383	86.2464	99.76919
107.918	16.5491	9.86604	89.49871	86.75534	100.3448
105.96	16.9689	10.016	89.67604	87.82277	100.8022
105.012	17.5789	10.2028	89.78913	88.93713	100.768
98.8373	18.316	10.4022	89.8131	89.65102	100.4376
97.8572	19.1702	10.6124	90.16281	90.29775	99.73584
96.7325	19.9819	10.8203	90.83497	91.05392	98.89453
95.1316	20.7449	10.9977	91.33747	91.53851	98.08558
94.0152	21.2867	11.1256	91.7661	91.61624	97.11097
90.0936	21.6473	11.2055	92.81837	92.34367	95.98735
90.1675	21.9377	11.2366	93.61353	93.12012	94.68981
92.068	22.0401	11.2213	94.65934	93.43352	93.22965
93.2106	22.0414	11.1581	95.37456	93.31661	92.21348
95.4391	21.9681	11.0736	95.54849	93.23001	91.37562
93.311	21.7469	10.9912	95.10517	92.74831	90.71237
89.0919	21.6583	10.9388	93.71734	92.0184	90.34452
86.03	21.5155	10.9289	92.0359	91.12815	90.18846
85.6271	21.5134	10.9396	90.55997	90.11992	90.39303
86.9649	21.5975	10.9528	87.90541	88.75945	90.43312
88.1103	21.4888	10.9556	85.26317	87.56038	90.11682

90.3495	21.5764	10.9703	82.65706	86.49756	89.77237
91.9865	21.4732	11.0123	81.07597	85.94409	89.20864
92.753	21.4954	11.0821	80.31526	85.15512	88.59643
90.6886	21.5072	11.1505	80.97713	84.67519	88.10419
87.9562	21.349	11.1965	81.91324	84.49849	87.47355
88.7327	21.3654	11.2001	83.3905	84.68712	86.57897
88.1106	21.3577	11.1651	85.1087	85.40941	85.37988
85.3523	21.2896	11.1153	87.54226	86.26245	84.22295
82.6928	21.36	11.0716	89.72267	86.712	83.15302
77.8316	21.4497	11.0355	91.59927	87.29771	81.93513
73.9976	21.5806	10.9968	91.98609	87.90368	80.58294
71.3768	21.5814	10.9286	91.88451	88.76422	79.46545
73.0702	21.6401	10.8258	91.25893	89.34435	78.70727
76.4404	21.6782	10.6954	90.57913	89.86289	78.04293
76.1539	21.505	10.5625	89.72511	89.92804	77.52305
75.1745	21.3204	10.4388	88.58601	89.74099	77.36155
76.1613	21.0718	10.3335	87.78464	89.53808	77.40064
78.0998	20.8195	10.2382	87.53851	89.36175	77.93823
80.0963	20.5045	10.1476	87.5512	89.19118	79.04094
81.3521	20.286	10.0635	87.81654	89.26238	80.78078
83.2529	20.1626	9.99096	88.33517	89.48363	82.38001
83.2009	20.011	9.94622	89.57044	90.00031	83.75945
84.8203	19.9646	9.93408	90.89493	90.66267	85.29278
88.3328	20.0363	9.96606	92.1203	91.53612	86.80716
93.9947	20.1793	10.0221	93.5962	92.33398	88.07995
93.8602	20.4888	10.0868	94.96956	93.10772	89.41821
94.3731	20.8166	10.169	96.099	93.7969	90.29462
96.0873	21.1616	10.2464	96.99869	94.00314	90.68815
94.8614	21.4112	10.3187	97.00727	93.63075	90.70474
92.7076	21.6725	10.3743	96.17801	92.98046	90.87101
95.4971	21.9262	10.4292	94.28077	92.09243	90.56018
91.4897	22.1702	10.4753	91.85567	90.9836	90.05206
86.468	22.3471	10.4941	88.8497	89.69995	89.76799
83.4685	22.4271	10.5046	85.82731	88.64359	89.94691
85.3624	22.5118	10.5188	83.24173	87.78172	90.07463
80.7795	22.5629	10.5332	81.3245	87.07829	90.2274
81.7273	22.6406	10.5736	80.56624	86.66914	90.93506
90.3018	22.7643	10.626	81.42734	86.65891	92.02878
96.1861	22.7948	10.7021	83.24853	86.97597	93.05332
96.0335	22.8316	10.7913	86.00817	87.67107	94.87565
98.0733	22.836	10.8848	89.55594	88.94162	96.97018
104.061	22.8096	11.0074	93.23936	90.79895	98.88861
106.926	22.7034	11.1258	96.73149	92.84146	100.7264
108.816	22.4817	11.2304	99.88419	95.22609	102.9466
115.18	22.1815	11.3134	102.5587	97.55297	105.4459
113.697	21.7703	11.3729	104.7412	99.50304	107.4545
108.408	21.2944	11.4024	106.0591	101.213	109.1346

109.254	20.8513	11.3981	106.5063	102.7894	111.1613
109.642	20.3492	11.3539	106.4739	104.1832	113.1099
114.218	19.9247	11.2786	106.2836	105.0974	114.6595
116.413	19.5796	11.1875	106.2839	105.4711	116.0385
118.028	19.3698	11.0935	106.0096	105.5032	116.8385
122.38	19.235	11.0002	105.0346	105.2218	116.977
123.406	19.2894	10.9052	104.3207	105.2668	116.5829
124.205	19.4341	10.8042	103.86	105.4338	116.1122
124.854	19.6071	10.6992	104.2599	105.3763	115.3501
119.215	19.8571	10.5734	104.7951	105.1842	114.2567
116.981	20.1632	10.436	104.7744	104.9661	112.7895
108.574	20.4391	10.2934	104.9024	104.6985	111.1675
102.289	20.635	10.135	105.1213	104.6389	109.3962
99.346	20.826	9.97933	105.0117	104.4323	107.4271
95.4285	20.9376	9.83611	105.3913	103.7625	105.6034
95.1445	20.9261	9.71245	104.7339	102.9263	104.0022
95.3262	20.8287	9.60941	103.18	102.6534	102.3488
95.0018	20.6719	9.53844	101.4596	102.8877	101.2121
96.7808	20.4941	9.52012	100.3344	103.3937	100.3333
99.6984	20.2664	9.54022	100.461	103.7671	100.0269
103.389	20.0909	9.59648	101.4368	104.3924	100.3434
103.36	20.0059	9.69883	102.6408	104.9592	100.9817
104.438	19.8052	9.83596	104.7211	105.2652	101.7341
105.557	19.8016	9.99654	106.9969	105.8141	102.2606
104.59	19.8131	10.1674	109.2461	106.4337	102.6904
106.404	19.9752	10.3591	110.9911	106.3695	103.3996
107.644	20.1914	10.5594	111.597	106.2695	103.7496
105.209	20.2812	10.7361	110.9179	106.3032	103.593
101.99	20.5943	10.8823	109.3811	106.6081	102.9941
100.913	20.8255	10.9922	106.7285	106.6233	102.2263
104.221	21.0636	11.0479	104.5218	106.2121	101.4716
101.331	21.4286	11.0469	102.8565	105.7419	100.6022
97.6624	21.5147	10.9996	101.2002	105.1645	99.6403
95.6038	21.6487	10.917	100.1521	104.2282	98.54548
93.3791	21.5641	10.7783	100.4029	103.5059	96.92519
94.6262	21.492	10.5867	100.9301	102.8164	95.60731
94.2552	21.3697	10.3658	101.802	101.8865	94.59108
92.0852	21.048	10.159	102.2043	100.6451	93.68614
92.1713	20.685	9.95934	102.1943	99.61553	92.11822
86.5803	20.3216	9.79593	101.2583	98.45608	90.95105
88.0765	19.9321	9.67512	99.54033	97.36218	90.30474
88.7791	19.7356	9.58942	96.92264	96.16267	90.03313
89.1487	19.5672	9.54215	93.97734	94.90135	89.69534
83.838	19.5398	9.53576	90.88434	93.6607	89.4174
86.1578	19.5851	9.58874	88.15724	92.21313	89.14682
89.2604	19.7551	9.69701	85.9237	90.52512	89.02114
92.0729	20.0791	9.82881	84.49263	88.93939	89.02342

88.9878	20.4133	10.0021	83.52074	87.32516	89.99127
91.013	20.8132	10.1569	83.25623	85.89107	90.39298
90.7377	21.2238	10.2945	83.16181	84.57127	90.97031
90.4513	21.4918	10.4144	83.1285	83.91082	91.69723
92.2009	21.7519	10.4879	83.00986	83.62204	92.79851
99.1624	22.0107	10.5394	83.1514	83.53408	93.46632
93.2987	22.1341	10.5543	83.58544	83.65734	93.68064
96.2844	22.1768	10.5355	83.93929	83.85672	93.62508
98.5987	22.1656	10.4853	84.16781	83.86301	93.62765
98.1546	22.1115	10.399	84.44294	83.74566	93.2524
94.8393	21.945	10.3079	84.39084	84.04272	92.94799
92.0466	21.7167	10.2157	84.39043	84.67586	92.45892
91.3507	21.5313	10.1224	84.7376	85.00278	91.56835
89.0211	21.2639	10.0565	85.47784	85.15287	90.48389
86.1348	20.9914	9.99489	85.98383	85.16823	89.97968
86.7804	20.8361	9.95694	85.93923	85.21741	89.64993
84.0933	20.6775	9.93454	85.56417	85.36799	89.37046
80.6236	20.5366	9.9453	85.52517	85.95245	88.80057
85.0644	20.4848	9.9816	86.1643	86.98795	88.30515
86.744	20.5566	10.0397	87.13209	88.03375	88.16908
91.9976	20.6646	10.1129	88.23316	89.05378	87.87758
94.9656	20.7919	10.1929	89.79676	90.4307	87.83491
90.746	21.0455	10.2812	91.6875	91.99117	87.83348
88.3988	21.3263	10.3701	94.164	93.16414	87.87849
90.2777	21.6486	10.4558	96.97027	93.76479	88.02232
87.5612	22.013	10.536	99.21616	94.27833	88.4475
88.4664	22.3682	10.5875	99.98647	94.72498	88.96596
86.1162	22.6028	10.6213	99.52311	95.15441	89.67641
87.3656	22.78	10.6392	98.3658	95.41511	90.11727
85.9631	22.9531	10.6248	96.8939	95.24122	90.8203
86.1509	23.0637	10.5877	94.78193	94.44502	92.17153
91.8044	23.0956	10.5335	92.20011	93.42755	93.9787
95.9798	23.0902	10.4697	89.51087	92.71161	95.46049
97.7288	22.9543	10.3998	87.60684	92.56365	97.01263
104.105	22.8254	10.3314	86.88713	92.4183	98.48129
108.312	22.7871	10.2726	87.6736	92.28022	99.89312
111.892	22.8383	10.2257	89.08266	92.49545	100.9468
109.541	22.8471	10.1993	91.14834	93.25468	101.9671
107.739	23.0022	10.1982	94.11687	94.4154	102.9065
107.559	23.1242	10.2227	97.77583	96.27612	103.3036
104.47	23.2277	10.2648	101.3577	98.38951	103.2667
101.063	23.4298	10.3168	104.9856	100.7092	103.2153
99.2272	23.6315	10.3819	107.7133	103.0322	102.7127
98.3632	23.8519	10.4623	110.1793	105.3612	101.9553
96.9664	23.9972	10.5646	112.1681	107.723	101.0959
95.5004	24.1396	10.6779	113.4044	109.2206	100.503
97.0609	24.1749	10.8043	114.4766	109.7736	100.105

97.5715	24.1091	10.9318	114.3826	110.0712	99.53672
98.4658	24.1117	11.0393	112.7404	109.558	99.03785
100.719	24.2129	11.1424	110.7773	108.2483	98.61402
101.833	24.2249	11.2355	107.5818	106.6345	97.99094
102.566	24.3212	11.3007	103.8038	104.5655	97.19278
100.171	24.3108	11.3384	100.1405	101.9722	96.27255
97.9847	24.3052	11.3247	95.4937	98.81035	95.3205
95.5532	24.1912	11.2671	91.52426	95.82598	94.0379
91.1271	24.161	11.1591	87.35293	93.22412	92.38708
87.9871	23.9481	11.0117	83.72381	90.3818	90.43725
85.0035	23.5743	10.8396	81.83389	87.49129	88.29466
83.1237	23.0274	10.6235	80.22384	85.47101	86.40922
80.3871	22.4189	10.3984	78.92489	83.70598	85.07847
76.1109	21.7469	10.1767	78.92146	82.04088	84.01699
73.118	21.0323	9.96752	78.81741	81.17669	83.14555
72.8653	20.3785	9.80467	79.634	80.85934	82.53388
77.3222	19.8349	9.67803	80.37596	80.35478	82.48569
85.2663	19.39	9.60383	80.84061	80.05324	82.8662
86.3718	19.2192	9.59234	81.5189	80.3783	83.72445
86.6559	19.3467	9.65985	81.68017	81.55547	84.87854
87.6016	19.7091	9.78659	82.06637	82.5335	85.87562
90.5006	20.2623	9.95908	83.35913	83.1594	86.97366
92.9337	21.0913	10.1802	84.63867	83.97889	88.31702
96.1608	22.0919	10.4421	85.51606	84.69665	89.8986
98.1268	23.0136	10.7087	86.0173	85.22244	91.03468
93.3491	23.9948	10.979	86.98837	86.06902	91.56755
90.3855	24.87	11.2125	88.5214	87.05055	92.39082
90.5817	25.5941	11.408	89.38589	87.81848	93.33641
93.4258	26.1938	11.5377	89.83916	88.38771	94.78421
92.0912	26.5226	11.6174	90.19091	89.14785	96.5457
92.1937	26.6449	11.6425	90.55033	90.31789	98.22334
97.0743	26.507	11.6242	91.11839	91.30628	99.80882
98.9485	26.1685	11.5576	92.11961	91.88888	101.4625
106.423	25.8279	11.4492	93.36493	92.23347	103.4285
113.4	25.4191	11.3289	94.16746	92.83965	105.4624
114.743	24.9653	11.2281	94.26409	93.83162	107.3066
116.772	24.444	11.1412	94.8411	94.84098	108.9849
119.625	23.8825	11.0711	96.12741	95.64117	110.5424
118.907	23.3773	11.0413	97.56133	96.28332	111.7148
116.826	22.8959	11.0315	98.40749	96.79002	112.3094
114.556	22.5097	11.0528	98.62896	97.20419	112.8423
115.244	22.2298	11.1087	98.94127	97.97231	112.398
112.339	21.9435	11.1874	99.42226	99.05103	111.542
107.435	21.6816	11.2627	100.0824	99.44606	110.5728
104.804	21.5196	11.3368	100.8116	99.24798	109.1157
105.876	21.489	11.3955	100.6719	98.98255	107.1569
100.647	21.5126	11.4371	100.0633	98.92147	104.6447

102.272	21.6261	11.4571	99.18033	98.69602	102.0995
102.144	21.7426	11.4431	98.22249	98.45646	99.57149
97.8286	21.8282	11.3708	97.61164	98.34258	96.53162
94.1608	21.8029	11.2559	97.02656	98.02114	93.73882
86.2493	21.7185	11.1014	96.24563	97.72718	91.28218
83.738	21.5332	10.9018	95.7612	97.62216	89.23432
81.6917	21.2262	10.6753	95.8046	97.42807	87.266
75.7256	20.7466	10.4432	96.41483	96.82033	85.68408
76.0326	20.205	10.2013	96.6488	95.86829	84.15779
75.4987	19.6145	9.9565	96.59897	95.13577	82.72205
78.1818	19.0173	9.72227	96.00499	94.62523	81.93596
80.2879	18.3374	9.50841	94.71641	94.28498	81.82877
80.0821	17.7651	9.30668	93.75661	94.15468	82.6765
82.4302	17.2273	9.14409	92.78769	93.78408	83.89971
83.4793	16.7976	9.0277	91.78287	93.24593	85.38627
87.6095	16.4223	8.94383	90.84423	93.03512	87.67061
92.7673	16.122	8.88689	90.38839	92.94689	90.30825
97.2698	15.908	8.84878	90.98401	92.85101	93.31689
99.6397	15.6975	8.82953	91.69614	92.35644	96.26768
101.017	15.5214	8.82754	92.50961	91.88432	98.99276
105.422	15.439	8.84046	92.83324	92.13014	101.5993
110.322	15.3292	8.85903	92.43241	92.4684	103.9348
114.611	15.2217	8.88201	93.52737	93.15145	106.309
116.542	15.1249	8.90372	94.561	93.72416	108.3518
115.714	15.0727	8.91498	94.93246	94.02546	109.6817
113.967	15.0768	8.91472	95.20011	94.2574	110.5369
112.792	14.9814	8.91109	94.96881	94.76833	110.9982
114.344	14.9033	8.91389	95.31323	95.61045	111.3165
114.166	14.8585	8.91182	96.20026	95.53281	111.4032
110.056	14.8095	8.90874	96.85181	94.96057	111.1005
108.387	14.7788	8.91948	96.67506	94.17683	110.5522
105.637	14.7703	8.92175	95.05594	93.96297	109.5751
105.155	14.7184	8.91901	93.35029	93.96931	108.3043
106.549	14.6282	8.92026	92.71719	93.62521	107.1405
106.387	14.5424	8.93065	91.89739	93.65293	105.9361
107.482	14.4493	8.95178	91.40443	93.5261	104.8195
103.84	14.3957	8.97651	90.92561	93.71445	103.7012
99.1942	14.2577	9.0023	91.20571	94.42838	102.9155
98.8377	14.1155	9.02435	92.88589	95.16635	102.2076
97.1349	14.0088	9.03629	95.43597	95.91701	101.5349
99.828	13.88	9.04819	97.54809	95.98532	101.2581
99.6279	13.8051	9.0595	99.81741	96.63819	101.3728
99.8423	13.7415	9.07103	101.2349	97.69517	101.4518
99.1837	13.6855	9.07274	102.2191	98.41248	101.6319
96.8922	13.6309	9.06457	102.7985	98.66264	102.2922
101.557	13.559	9.02969	102.0752	98.82825	103.3095
108.04	13.4821	8.9876	100.5808	98.67902	104.2976

107.413	13.3944	8.92569	98.69804	97.95983	105.5366
109.824	13.2882	8.84401	96.53387	97.14387	106.5132
112.424	13.1743	8.761	94.59257	96.08781	107.023
112.419	13.0472	8.67416	92.14483	94.4684	107.2658
111.683	12.9467	8.58742	89.90079	92.71778	107.3459
113.242	12.8327	8.50763	88.11124	91.33585	107.5567
112.523	12.7244	8.43652	86.50764	90.27468	107.1967
106.256	12.6205	8.37862	85.90296	89.00174	106.3763
102.999	12.5441	8.33021	85.62681	88.06371	105.806
100.224	12.4686	8.28761	85.58266	87.66837	104.9267
99.6332	12.3761	8.25128	85.93534	87.45568	103.8771
96.8768	12.2875	8.22351	86.43911	87.74296	102.8354
97.3754	12.1855	8.19979	87.55719	88.52066	101.6302
99.9986	12.0482	8.17901	89.45909	89.37767	100.2951
98.3931	11.8959	8.17269	91.30567	90.00987	98.96685
98.7787	11.7504	8.15702	92.9267	90.69955	98.28992
98.878	11.6411	8.1334	94.01707	91.77585	97.79595
96.0144	11.5593	8.10689	94.79593	93.12232	97.38498
95.8865	11.5204	8.08817	95.73943	94.34579	97.17538
95.2554	11.5353	8.08357	97.0314	95.85342	97.50708
97.4558	11.6149	8.08343	98.16536	97.19528	98.39036
96.5774	11.7759	8.09973	99.2448	98.29378	99.53185
94.8814	12.0451	8.12052	100.1011	99.40569	101.0362
96.9084	12.3921	8.13355	101.3197	100.6081	102.5589
101.189	12.7868	8.1442	102.6077	101.5812	104.0984
108.858	13.1743	8.15765	103.96	101.9897	106.0785
114.838	13.5555	8.17263	105.1684	102.4173	108.1613
117.95	13.956	8.19066	105.5016	103.2176	110.093
118.574	14.3763	8.20895	105.1167	103.6507	111.5252
118.891	14.7872	8.2274	105.2014	103.7663	112.4876
121.756	15.1395	8.2479	104.7444	103.4839	113.1879
122.962	15.4185	8.28569	103.8377	102.9289	113.3495
120.368	15.7657	8.36497	102.3722	101.8862	113.0238
116.075	16.1494	8.49156	100.6682	100.9364	111.8631
109.088	16.6688	8.66228	99.0526	100.0738	109.8926
103.985	17.2819	8.87345	97.35097	98.79118	107.4678
99.01	17.9237	9.11499	95.48129	97.2305	104.9103
96.9538	18.6739	9.38715	93.58291	95.74961	102.085
93.7697	19.342	9.69094	91.8221	94.64269	98.97977
89.2207	20.092	9.99966	90.80466	93.59348	95.86725
86.4281	20.8393	10.2858	90.11291	92.56224	92.80268
85.3264	21.4514	10.5112	89.71586	92.21417	89.83792
82.1622	21.9188	10.6551	89.64933	91.96793	87.47692
81.3881	22.2012	10.7238	90.14789	92.07135	85.69824
82.4992	22.2479	10.7285	91.16593	92.61317	84.48714
80.5286	22.0085	10.6885	92.7909	93.27705	83.56478
77.5331	21.583	10.5987	94.84341	93.67794	83.17188

78.395	21.1042	10.4511	96.5164	93.95488	83.13474
80.8622	20.5043	10.2708	97.50783	94.66478	83.70278
83.2657	19.8408	10.0561	98.06763	95.29974	84.684
84.9631	19.1332	9.84353	98.13404	95.36478	85.87803
88.662	18.6016	9.65873	98.00974	95.17188	87.05638
88.7379	18.1346	9.51538	96.92104	94.81027	87.99571
93.8126	17.941	9.40349	94.86481	93.86539	89.00338
98.0823	18.0023	9.30923	92.56327	92.55031	90.24467
97.6846	18.1318	9.2347	89.99746	91.65169	91.37589
96.7067	18.4374	9.17621	87.53939	90.5689	92.38296
94.7104	18.7646	9.12974	85.5702	89.13374	92.80201
93.6283	19.0891	9.09751	84.00506	87.78779	93.18761
93.6699	19.4463	9.07736	83.27147	87.14623	93.56582
93.1009	19.7653	9.0684	82.80309	86.55011	93.76143
93.9541	19.9634	9.04722	83.27461	86.0411	93.64767
88.7133	20.0668	9.02798	84.4821	85.75789	93.23708
89.9759	20.1016	9.00012	86.04551	85.87221	92.71106
93.5788	20.1004	8.98063	87.06411	85.78152	92.08883
91.2808	20.0822	8.98361	88.19861	85.89704	91.79138
92.3337	20.0551	9.0169	88.63926	86.52792	92.04505
92.7446	20.1286	9.09567	89.05187	87.29379	92.22123
90.8464	20.2354	9.2033	88.84917	87.59014	92.20275
88.6177	20.4559	9.34301	88.92051	88.14493	92.37267
90.8435	20.7918	9.49973	88.44699	88.87115	92.84447
96.9261	21.18	9.65962	88.43813	89.71301	92.98562
95.9602	21.6939	9.82418	88.84093	90.17531	93.41339
92.8607	22.1743	9.97882	90.10443	90.7421	94.20618
96.163	22.6284	10.1125	91.21997	91.10249	94.93558
94.8467	23.0672	10.2071	92.30843	91.50442	94.93275
91.8109	23.3709	10.2635	93.11881	92.03475	94.97605
99.1398	23.5148	10.2876	94.33349	92.97034	95.09355
101.587	23.4388	10.2367	95.42256	93.75369	94.83632
101.816	23.2932	10.1446	96.25204	94.52605	94.39569
92.7077	23.0792	10.009	96.556	95.31934	94.04612
91.4094	22.689	9.85613	96.92913	96.36678	93.64946
90.1452	22.2747	9.68815	97.4211	97.16718	93.02002
87.4994	21.8486	9.52134	98.22353	97.65698	92.41732
91.198	21.4442	9.35857	98.95469	97.79726	92.44938
91.4158	21.105	9.1968	99.28223	97.87172	92.06418
87.7041	20.7868	9.03734	99.06871	98.18018	91.69915
87.9802	20.4888	8.91718	98.86774	98.74934	91.40351
87.0117	20.1815	8.8278	99.09467	99.26273	91.56915
92.2277	19.87	8.76423	99.48881	99.52355	91.94226
94.1322	19.6071	8.71833	99.71167	99.47331	92.29741
96.8415	19.4404	8.67993	99.79867	99.68911	92.72338
97.9727	19.3081	8.6293	99.62521	99.89367	92.63621
94.861	19.1681	8.57701	100.0694	100.173	92.32642

96.2599	19.1073	8.53164	100.6842	100.3111	92.4077
94.7621	19.0908	8.49084	101.122	100.0934	92.59969
93.0371	19.1028	8.44341	101.124	99.88071	92.83845
90.0647	19.0996	8.3925	100.4974	99.64744	92.60109
87.3885	19.1485	8.33229	99.94553	99.43452	92.16517
88.7608	19.1891	8.26548	99.3921	99.00154	91.54994
90.4761	19.1636	8.20391	98.39494	98.296	90.91033
90.1155	19.1652	8.16633	97.43786	97.8917	90.70134
89.1421	19.2372	8.15956	96.003	97.37448	90.33668
88.4652	19.3237	8.17928	95.21844	97.20858	89.73895
88.8435	19.5217	8.2317	94.74923	97.26427	88.92015
89.6578	19.8325	8.31661	94.66269	97.27765	88.38533
92.1441	20.3034	8.4443	95.64354	97.42042	88.22121
91.5194	20.6933	8.60307	96.67856	97.99004	88.00681
86.9916	21.1982	8.77987	98.18564	99.0003	87.67759
82.3927	21.6811	8.97862	100.5558	99.72614	87.21136
83.112	22.0861	9.18275	102.5562	100.2282	86.88481
85.2549	22.271	9.37447	104.3129	100.9072	86.74438
85.9736	22.2295	9.53929	105	101.7449	86.60122
86.1963	22.062	9.68213	105.1604	102.2877	86.43258
84.0545	21.7576	9.80897	105.7341	102.1802	85.80837
84.8969	21.4026	9.91966	105.0423	102.1363	84.97018
86.6396	21.1887	10.0407	103.0002	101.9051	84.28865
86.9824	20.9657	10.1652	100.5732	101.0943	83.92996
87.4656	20.7846	10.3061	98.70937	100.376	83.73027
84.0293	20.7791	10.4763	97.25194	99.52529	83.32773
80.6229	20.9038	10.6706	95.69193	98.44312	83.08502
78.1318	21.2846	10.8783	94.06354	96.75267	83.15688
77.7297	21.6839	11.0824	93.41581	95.64843	83.31775
80.516	22.0658	11.2398	92.47649	94.65992	83.48114
80.0219	22.4974	11.3611	92.26401	93.29002	83.42592
82.8184	22.7666	11.494	91.54463	91.37097	83.25805
87.1305	22.9804	11.6753	90.6668	89.91478	82.71339
86.1458	23.2309	11.9392	89.01059	89.05155	82.24626
87.0209	23.3388	12.3326	87.19417	88.20486	81.92055
85.9218	23.5441	12.9519	85.55869	87.24855	81.66083
84.8001	23.5101	13.764	84.69871	86.77462	81.21842
80.385	23.468	14.7578	83.10959	85.73515	80.77858
77.9566	23.3107	15.971	82.6078	84.55041	80.47815
76.3886	22.9308	17.4769	81.66147	83.26529	80.04364
74.7555	22.5577	19.1955	81.39679	82.72146	79.40593
71.9784	22.1331	20.9504	81.06677	82.17182	79.04391
74.798	21.768	22.5479	80.72061	81.66378	78.36416
76.1164	21.5776	23.7805	81.0598	81.21794	77.66099
77.1697	21.5869	24.3473	81.17293	80.75177	76.90814
78.8403	21.8339	24.328	80.34726	80.10706	76.61359
81.4395	22.2441	23.8217	79.75573	79.72405	76.46113

78.1842	22.8234	22.9425	78.94224	79.69404	76.398
76.7806	23.4848	21.6728	78.9821	79.85491	76.6536
75.013	24.1836	20.0574	79.07636	79.70691	76.96278
76.5559	24.7994	18.3054	78.80674	80.24257	77.36913
75.9746	25.3004	16.5403	78.9736	80.93106	77.7881
75.5679	25.6525	14.9041	79.85007	81.62489	78.24103
78.0783	25.7547	13.6135	81.72976	82.18645	78.4999
75.9977	25.643	12.6451	83.8856	82.3482	78.36106
80.0806	25.3757	11.9485	85.29363	82.65107	78.58181
81.563	25.0664	11.4177	85.98896	83.06784	78.98906
83.0578	24.6971	10.9862	86.3658	83.86662	79.35679
82.2056	24.3273	10.6284	86.58899	84.53025	79.88373
79.6346	24.0623	10.3097	86.48611	84.44674	80.076
81.0539	23.7899	10.042	85.62646	84.30424	80.34236
82.0749	23.5056	9.85973	84.22267	84.43876	80.41315
79.7935	23.3189	9.76728	83.0094	84.65967	80.48052
83.4061	23.2382	9.77464	82.68921	84.50707	80.22049
78.4741	23.1441	9.82946	82.70386	84.09337	79.64405
79.0306	23.0802	9.90684	82.52293	83.62465	78.80764
78.9985	23.0812	9.99673	82.15086	82.93728	78.22385
76.8735	22.9558	10.0929	82.20377	82.67388	77.73357
76.7003	22.7332	10.1979	82.49036	82.32418	77.32085
74.0692	22.5147	10.3152	82.96116	81.96083	77.18762
72.1845	22.1945	10.4323	82.43871	81.45756	77.42496
74.6163	21.8292	10.5382	81.57686	81.2182	77.51922
73.261	21.4886	10.6121	80.82274	81.40245	77.98722
75.6885	21.1825	10.6624	80.28686	81.87881	78.66942
80.3429	20.8283	10.6768	80.09573	82.20715	79.6245
82.879	20.4935	10.6558	81.04366	82.58158	81.00642
84.6315	20.3271	10.6173	81.82243	82.76309	82.61632
84.5581	20.1248	10.5553	83.1819	82.99825	84.5496
87.8992	19.9043	10.4591	84.01284	83.11272	86.45385
91.4145	19.7184	10.3327	85.01214	83.45023	88.02348
94.8384	19.4473	10.1776	85.72217	83.67683	89.63753
97.6291	19.0555	9.98768	86.29337	84.08261	91.14689
99.2018	18.6597	9.7756	86.30034	84.21721	92.21075
96.9398	18.1753	9.56064	85.9217	84.73713	92.71664
95.0215	17.6483	9.3461	84.61444	85.35825	92.72171
94.2436	17.0629	9.14094	84.48881	85.86371	92.51025
95.3102	16.4639	8.96036	84.6697	86.18212	91.81128
94.1731	15.844	8.81634	85.2047	86.39652	90.7697
89.4555	15.237	8.71451	86.11716	86.53737	89.56481
84.6974	14.6848	8.65981	86.87327	87.072	88.21747
81.8091	14.1661	8.65607	87.74074	87.86045	86.92835
78.8126	13.6729	8.69978	89.3146	88.57045	86.09184
77.874	13.2595	8.79335	90.8126	89.01355	85.67533
79.1748	12.8748	8.94341	91.68769	89.08634	85.34952

80.1137	12.5361	9.12323	92.14307	89.43683	85.03911
82.4433	12.2367	9.30522	91.6939	90.17352	84.93775
86.0651	11.9918	9.47679	91.568	90.76252	85.14995
89.6069	11.7351	9.61262	91.3673	91.12395	86.10795
90.0081	11.4822	9.70048	91.34263	91.37345	87.38648
91.2748	11.2169	9.71256	90.73049	91.32248	88.50725
92.8555	10.8986	9.64001	90.41029	91.45263	89.57436
92.2141	10.5455	9.48937	90.40519	91.50318	90.4601
97.1514	10.1341	9.26152	91.26781	91.36215	91.12275
98.43	9.67756	8.96769	91.57824	91.05949	91.52105
93.3825	9.19795	8.63138	91.52204	91.29845	91.75483
91.7465	8.724	8.26524	91.36413	91.84744	91.83751
90.6894	8.25516	7.89577	92.01174	92.85957	91.31366
88.7281	7.8186	7.53763	93.02333	93.68099	90.85135
87.6213	7.43219	7.21602	94.54849	94.37795	90.16492
89.1042	7.10528	6.94728	95.70639	94.83684	89.32404
90.6817	6.8341	6.72298	96.70617	95.55023	88.05503
83.1981	6.63942	6.54279	97.79563	96.58789	86.73498
85.2647	6.49965	6.40782	99.07043	97.54775	86.27502
83.9319	6.4029	6.30583	100.2335	97.99141	85.7421
81.2827	6.33053	6.23976	100.9915	98.23725	85.56442
80.6543	6.28519	6.19798	100.7984	98.34698	85.70365
81.2694	6.26664	6.17676	100.0399	98.23775	86.03508
87.4029	6.26801	6.1838	98.8931	97.70312	86.76185
84.8186	6.29884	6.21372	97.68011	97.08576	87.42312
88.3796	6.35067	6.25486	96.00996	96.11704	88.93519
90.5381	6.42702	6.3139	93.94794	95.0181	90.40645
91.9298	6.53981	6.39545	91.89146	94.13377	91.5724
98.5522	6.67686	6.49063	90.18453	93.52745	93.09065
99.2783	6.83579	6.59267	89.08541	92.70008	94.24418
102.855	7.0013	6.69047	88.84507	91.61506	95.74085
104.391	7.16986	6.78286	88.78617	90.75165	96.77201
99.0893	7.33732	6.86415	88.92716	90.04098	97.87355
101.02	7.47196	6.93196	89.22811	89.44353	98.5288
95.6502	7.57837	6.97864	89.51426	89.18862	99.03958
100.726	7.65546	7.00452	89.6871	89.00526	99.7286
100.808	7.69476	7.01186	89.70926	88.5287	100.0348
99.1387	7.70012	7.00876	89.28176	88.18171	100.4004
96.8978	7.6794	6.99045	88.26311	88.28836	100.6524
97.1783	7.6493	6.9677	87.57171	88.43583	100.8318
100.887	7.61155	6.94017	87.31679	88.49815	101.1452
102.533	7.57203	6.91297	87.20354	88.59356	101.3738
104.031	7.54542	6.89748	87.32971	88.91068	102.4524
106.131	7.53212	6.90236	87.73996	89.10681	103.1246
106.723	7.53214	6.9249	88.61051	89.37027	103.7195
103.164	7.54608	6.95712	90.00079	89.67053	104.2322
103.992	7.58967	6.98845	91.43544	89.83638	104.5529

109.672	7.64207	7.01854	92.08114	89.68105	104.6753
109.464	7.69411	7.04143	92.28813	89.57222	104.5973
108.542	7.74618	7.06035	91.90606	90.17675	104.6757
105.804	7.78838	7.07648	91.09926	90.57115	104.3329
101.066	7.83418	7.08277	90.61439	90.59497	103.3236
98.7701	7.87192	7.07181	90.29121	90.70044	101.992
99.8729	7.91339	7.03967	89.59123	90.76938	100.787
103.552	7.9396	6.99242	89.11623	90.72727	99.68594
99.5743	7.93919	6.94459	89.06243	90.4516	98.28175
93.0105	7.92171	6.905	89.68294	90.51093	96.9714
89.4124	7.88788	6.88342	90.24366	90.60219	95.76051
87.4985	7.84038	6.87314	90.62141	90.55013	94.82699
89.6785	7.79623	6.85601	91.49309	91.05743	94.42287
91.4175	7.75504	6.82984	91.99787	91.45866	94.40503
92.4295	7.70584	6.80378	92.95111	91.92793	94.6955
92.8004	7.64372	6.80494	93.18614	92.22894	94.75035
93.6683	7.56929	6.85538	93.32906	93.05753	94.89955
95.8124	7.50449	6.95418	93.91516	93.79474	95.73105
98.5382	7.48487	7.08159	95.02061	94.363	96.93925
103.649	7.50575	7.21539	95.52024	95.04663	98.13368
104.265	7.55102	7.34823	96.19727	95.82078	98.95141
101.514	7.61423	7.48572	96.47094	96.76856	99.79975
103.82	7.66349	7.63907	97.78403	97.90073	100.5089
105.119	7.75575	7.8211	99.2334	99.04796	100.7737
103.026	7.85127	8.00787	101.1547	100.3111	100.9131
100.309	7.99251	8.15977	102.6182	100.953	101.1356
102.446	8.10682	8.23628	104.0997	101.7886	100.9533
101.648	8.17217	8.23664	105.1898	102.9537	100.0312
96.2427	8.18283	8.18511	105.7069	104.0019	99.12378
95.4812	8.15272	8.11467	106.5759	104.039	98.62026
98.7043	8.1249	8.04883	107.3484	103.7025	97.90822
96.1688	8.09411	7.98985	106.4203	103.2983	97.1485
91.6611	8.04778	7.92584	104.1643	102.3309	96.42435
92.4691	8.02286	7.85723	101.745	100.9808	95.79516
94.9682	8.00105	7.7808	99.02977	99.40935	94.89758
94.5635	8.01307	7.71675	96.28389	97.37119	93.98498
95.2426	8.06979	7.68252	92.65107	94.69095	93.37901
93.612	8.18656	7.68647	88.84064	91.86278	92.64628
92.1296	8.35248	7.71487	85.25749	89.48224	91.70432
90.7774	8.57109	7.74495	82.11173	87.39328	90.90171
89.7843	8.87644	7.75783	79.53131	84.91853	90.50127
88.365	9.24465	7.73257	77.9656	82.64518	90.33095
85.9557	9.70439	7.68087	76.74596	80.87121	90.13607
86.4589	10.1625	7.63042	76.21499	79.63355	89.82608
85.7348	10.5993	7.59747	75.77746	78.71481	89.81753
86.4554	11.0359	7.5632	76.20054	78.3266	90.17032
90.2549	11.501	7.5059	77.32731	78.10756	90.65925

92.4348	11.9913	7.41215	78.31216	78.25628	90.79302
90.5336	12.4719	7.29088	79.03899	78.81371	90.96915
95.1315	12.9035	7.15919	80.27831	79.98638	91.11279
98.1983	13.2191	7.07646	81.72504	81.67914	91.39438
98.4856	13.392	7.127	83.61424	83.45476	91.37269
92.5165	13.5355	7.37312	85.91069	85.14539	91.77652
92.074	13.7265	7.77359	88.33409	86.86035	91.85662
90.2323	14.0649	8.229	90.62907	88.69385	91.60694
89.6164	14.5149	8.71243	93.00114	90.80198	91.11092
86.1769	14.9805	9.29056	95.59906	92.42538	91.25539
90.9846	15.4104	10.1106	98.0414	93.6476	91.3571
87.4967	15.8129	11.35	99.30154	94.80352	91.52438
87.009	16.1971	13.0408	99.55446	95.96382	92.16411
85.9865	16.5009	14.9845	99.38841	96.99998	93.28622
92.4118	16.8274	16.7337	99.13034	97.89282	94.28368
96.4537	17.2774	17.9515	99.10906	98.62477	95.65805
100.373	17.7165	18.4707	98.80884	98.83327	97.18363
106.802	18.0172	18.6794	98.14227	98.82971	99.11264
107.104	18.2974	18.7132	97.81104	98.91754	100.2051
105.041	18.5327	18.484	97.958	99.13232	101.322
108.099	18.797	17.7848	98.2694	98.76462	102.4495
109.449	19.1251	16.4692	98.88551	98.06728	103.5261
111.254	19.4557	14.6925	98.87623	97.68708	104.1898
105.186	19.6205	12.8867	98.36539	97.67848	104.3525
102.017	19.4416	11.4954	97.56013	97.76945	103.8351
101.667	18.9667	10.6876	97.40986	97.96729	102.6964
99.9817	18.4334	10.1194	97.41936	98.12368	101.4737
101.04	17.9068	9.62409	97.3656	98.20002	100.7521
98.5692	17.5125	9.15261	97.23586	98.05164	99.78883
93.6464	17.1506	8.75909	97.76031	98.30886	98.1918
91.9992	16.9236	8.52204	98.11323	98.92296	96.25762
91.2091	16.8995	8.44078	98.96577	99.68915	95.00351
95.6603	17.1737	8.47779	100.2692	100.1341	94.40457
95.5759	17.6366	8.59435	101.8346	100.7877	94.15487
88.6876	18.3526	8.7711	102.9095	101.7614	94.20343
86.1097	19.1513	8.98787	103.8237	102.8277	94.27558
88.8825	19.781	9.22353	104.9794	104.1022	94.27087
94.2308	20.4073	9.45602	106.43	105.1465	94.64993
98.4209	20.9292	9.66259	108.1689	105.9423	95.40084
100.613	21.297	9.83845	108.9774	106.2178	96.13129
101.978	21.6359	9.98088	108.9786	106.3615	96.12893
98.5079	21.6442	10.0692	108.5341	106.9393	95.68401
98.5742	21.551	10.1071	108.1116	106.9586	95.64688
101.761	21.2545	10.1261	107.7293	106.3309	95.76578
100.705	20.9403	10.15	106.6374	105.8541	95.68
95.6296	20.6485	10.1707	104.4083	105.6053	95.30277
89.7919	20.3172	10.1701	103.1486	105.3413	94.59465

88.2049	20.0756	10.1632	102.2838	104.9318	93.63354
87.6555	19.8798	10.1624	102.1959	104.7898	92.53693
87.7673	19.7111	10.1609	102.3243	104.0523	91.87574
89.3268	19.7664	10.1693	102.438	103.2118	91.46138
89.2153	19.9851	10.1875	102.7713	103.0351	90.73118
88.1186	20.2811	10.1865	103.1847	103.0559	89.81528
87.7221	20.7468	10.1335	103.7433	102.6136	89.25059
89.9124	21.1759	10.0314	103.7996	101.6993	89.17648
93.1876	21.537	9.91955	103.0459	101.2892	89.17282
92.2684	21.7052	9.79349	101.7261	101.1566	89.50983
88.7982	21.861	9.65532	100.1363	100.4033	90.04902
88.2887	21.9032	9.50571	99.03074	99.66682	90.41945
88.8284	21.679	9.33905	97.93276	99.0658	90.72998
88.1573	21.2344	9.15023	96.02837	98.17991	91.16353
92.0367	20.6826	8.96355	94.78563	97.00691	91.7559
94.7767	19.8846	8.81184	94.0904	95.97894	92.13174
94.1425	19.1362	8.70685	93.72359	95.26918	92.15527
93.2521	18.4473	8.64501	92.9094	94.17453	92.41157
93.7548	17.8754	8.60592	92.25089	93.37236	92.80192
95.4229	17.3698	8.59252	92.17566	92.94752	93.29577
94.7983	16.9965	8.61676	92.10987	92.66375	94.07334
93.4935	16.8283	8.68024	91.68333	92.15501	94.69868
95.6003	16.8605	8.7957	91.48181	91.58738	94.9982
93.8727	17.0436	8.96489	91.12567	91.33204	95.26672
94.7088	17.3573	9.14846	90.875	91.00292	95.61628
98.9368	17.7056	9.30826	90.62091	90.53356	95.80425
96.2868	18.009	9.44006	90.13824	90.14504	95.92329
95.9304	18.3081	9.52081	89.51357	89.44586	95.71415
98.2674	18.5674	9.52538	88.8858	88.77118	95.32098
98.6868	18.7827	9.50321	87.7475	87.96542	94.7784
95.6958	18.9055	9.47386	86.62516	86.96867	94.25155
95.3023	18.8627	9.43444	85.52439	85.75118	93.93542
92.704	18.7566	9.3786	84.07226	84.51232	93.18416
89.6871	18.7371	9.31472	82.35664	83.4403	92.30392
86.44	18.7709	9.24548	80.50103	82.41555	91.90479
88.7512	18.8913	9.21225	79.03016	81.47269	91.62748
89.7631	19.0767	9.24465	78.06937	80.65706	91.30972
84.9424	19.2344	9.34093	77.32066	79.85963	91.13092
87.4936	19.5348	9.46221	77.04824	79.11732	91.25593
91.0982	20.0657	9.62831	76.93574	78.64904	91.40295
92.3253	20.714	9.83656	77.19354	78.77466	91.56525
94.1366	21.2779	10.0383	77.99684	79.47842	92.03331
96.3624	21.6897	10.2534	79.08274	80.40848	92.45531
97.3209	22.1159	10.5261	81.17049	81.53115	92.44221
97.2136	22.5552	10.8673	83.548	82.79612	92.23304
94.8138	22.9766	11.2418	85.69556	84.31334	92.53418
95.7719	23.459	11.6057	87.81011	86.17868	92.72082

91.926	23.8851	11.9233	90.15077	88.35675	92.64034
88.5809	24.1263	12.2278	93.01379	90.32462	92.51748
87.0439	24.3152	12.5675	95.86467	92.06659	92.31052
88.8573	24.579	12.9447	97.46361	93.2786	91.83262
89.9198	24.87	13.2733	98.69901	94.28196	91.32504
90.052	25.0174	13.4609	98.75244	95.03238	91.09448
90.7282	24.9704	13.4678	98.5244	95.55155	91.33545
91.446	24.8774	13.3329	97.90363	95.25752	91.38415
90.1498	24.5698	13.1288	96.48949	94.38691	91.6336
90.7223	24.1168	12.9009	93.9862	93.17525	91.97893
94.2163	23.6704	12.6007	91.09224	92.17682	92.18224
97.9464	23.297	12.2035	87.75449	90.81855	92.19942
96.405	22.9372	11.7451	85.76394	89.01045	92.23959
95.1689	22.5582	11.2772	83.71873	86.90634	92.30325
93.0702	22.2039	10.8477	81.83021	84.85552	92.05311
89.6869	22.0072	10.4914	79.80929	82.61098	91.36608
89.0806	21.8351	10.2037	78.14561	80.91328	90.61805
90.4421	21.8154	9.96774	76.82944	79.56885	89.83645
90.8795	21.7353	9.74627	75.98023	78.24522	88.96895
87.4764	21.5933	9.51461	75.1096	76.69353	88.07023
82.5146	21.3077	9.27294	74.55316	75.62467	87.39532
80.4254	20.9994	9.05109	73.6152	74.90438	86.89652
80.5615	20.713	8.90047	73.03453	74.20938	86.72562
82.9389	20.5629	8.82811	72.61156	73.75679	86.91336
86.263	20.491	8.81179	72.15151	74.16638	87.33962
87.6311	20.5066	8.85697	72.47331	74.94656	87.61522
88.6846	20.6245	8.94767	73.68557	76.07701	87.89155
90.8485	20.8285	9.10653	75.70413	77.49444	88.61997
92.1275	21.1861	9.32752	78.66431	79.45535	89.86517
94.6219	21.6999	9.59276	81.61804	81.35702	91.33533
94.0249	22.3307	9.89948	85.28126	83.54493	92.79217
94.4719	23.008	10.2104	89.2544	85.9783	94.03958
96.9458	23.5185	10.498	93.28757	88.16535	95.16835
98.7022	23.989	10.7557	96.48959	89.78529	96.30058
99.5375	24.4422	10.9945	98.16439	91.37838	97.40507
99.5004	24.739	11.2056	98.49277	92.81255	98.07627
99.1553	25.1333	11.3685	98.39603	93.66001	98.38108
100.937	25.4684	11.4831	96.95773	93.71401	98.57446
102.35	25.6454	11.5139	95.32173	93.36613	98.75902
103.043	25.8028	11.4696	92.571	92.39207	98.70714
99.5741	25.8668	11.3671	89.42439	91.34285	98.35557
96.09	25.7929	11.239	86.51393	90.13119	97.84284
97.1359	25.4906	11.0825	84.51066	89.04741	96.99583
96.4241	24.9818	10.8768	82.96504	87.32223	96.24355
93.7975	24.4027	10.6518	82.262	85.44478	95.89164
92.3754	23.5353	10.3799	81.51741	84.0711	95.54671
92.0367	22.5739	10.0657	81.13244	83.20076	94.58554

88.5264	21.5881	9.77181	80.90219	82.4209	94.01933
89.7208	20.4671	9.48117	81.4232	82.00308	93.76658
94.5804	19.3578	9.22801	81.82669	81.60637	93.7451
96.4529	18.391	8.99294	81.86266	81.37425	93.64225
89.8548	17.543	8.79636	81.50266	81.27506	93.67702
95.6823	16.8806	8.62617	81.52476	81.61901	94.00684
96.2883	16.3852	8.46666	81.68063	82.18111	94.09205
95.8108	16.0804	8.34182	81.96004	82.72248	94.18128
95.7989	15.9432	8.27665	82.61701	83.22943	94.69942
96.876	15.8919	8.2608	83.52513	84.16887	94.99688
98.0852	15.9865	8.30475	84.53951	85.27279	94.91695
93.4831	16.2574	8.38881	86.27634	86.82572	94.73931
93.1968	16.6564	8.49375	88.37259	88.52098	95.21112
95.2621	17.1311	8.59163	91.21056	90.19033	95.43427
93.5879	17.6022	8.70607	94.24116	91.91932	95.48441
93.5413	18.0511	8.83674	96.70096	93.68912	95.5695
94.1435	18.514	8.99725	98.94249	95.34385	95.83303
95.9884	18.9936	9.18243	100.9278	97.13999	96.04866
98.5832	19.5255	9.38512	102.2783	99.00178	95.98978
96.9401	19.9895	9.57214	103.7197	100.8916	96.27862
96.917	20.3545	9.72578	104.5727	102.323	96.50432
99.2248	20.7167	9.85304	105.591	103.4773	96.33896
99.6792	21.0883	9.96711	106.0573	104.3302	96.11552
97.3197	21.4656	10.0776	106.0044	105.2319	96.06112
97.238	21.9671	10.1944	106.0383	105.7078	96.05485
96.131	22.5542	10.2977	106.7361	105.8023	95.68875
93.1124	23.108	10.3868	107.1223	105.5138	94.95674
90.6831	23.5845	10.4493	106.8707	104.9288	94.1542
92.8342	24.0635	10.4737	105.285	104.2601	93.42178
94.0619	24.5224	10.4738	103.7817	103.5883	92.34691
91.2291	24.7834	10.4682	102.3815	102.9581	90.97351
89.0671	24.8268	10.4533	100.9006	102.2059	89.79345
86.5071	24.6844	10.4187	99.49696	100.9776	88.72344
87.3955	24.3478	10.3705	98.06914	99.94992	87.80365
85.2515	23.7674	10.316	96.63083	99.24992	87.22314
81.825	23.1491	10.2465	95.72443	98.98522	87.03051
81.9789	22.5366	10.189	95.458	98.16893	87.00042
83.3279	21.897	10.1865	96.2421	96.93168	87.15985
84.1738	21.3385	10.2466	96.67157	95.94085	87.95962
85.5657	20.9393	10.3674	95.9303	95.10153	89.48061
88.1789	20.7402	10.5343	95.23557	94.42604	91.44883
92.443	20.7915	10.73	94.3723	93.60042	93.28395
96.1346	20.8655	10.9301	93.52306	92.79659	95.30622
101.626	21.1396	11.1096	91.88953	91.90965	97.51975
108.84	21.4388	11.2662	89.40741	91.21727	99.83292
112.094	21.7213	11.388	87.87259	91.06477	101.9683
111.252	21.9301	11.4636	87.45667	91.31336	103.8309

111.541	22.1412	11.4718	87.57526	91.33243	105.2808
110.601	22.1355	11.3916	88.68926	90.91272	106.3791
112.05	22.1208	11.2369	89.71273	91.06435	106.8154
111.088	21.9566	11.022	91.25066	91.8686	106.9819
108.387	21.7257	10.7825	93.45454	92.75289	106.8129
104.415	21.3683	10.5433	95.85406	93.99005	105.9804
102.457	20.9287	10.3171	98.08744	95.01171	104.6661
98.115	20.4438	10.1152	99.80497	96.16508	103.426
98.2988	19.9348	9.93021	100.3914	97.32852	102.2746
99.4286	19.4174	9.78192	100.8645	98.30807	101.1847
98.0184	18.9856	9.68546	101.3225	99.2472	99.82631
95.0071	18.6082	9.64861	101.3252	99.7023	98.70753
95.1313	18.2998	9.655	101.1598	99.87954	97.84299
96.5725	18.1859	9.6965	100.4813	99.9534	96.92082
96.4328	18.2007	9.78163	99.62687	99.86132	96.6684
94.3905	18.3537	9.88964	98.89016	99.5152	96.86048
96.5439	18.6694	10.0093	98.11509	99.00585	97.27218
97.148	19.1531	10.1113	97.51551	98.61263	97.72506
92.4268	19.5628	10.1861	97.14994	98.08815	98.44042
99.1755	19.9688	10.2317	96.90896	97.75611	99.36418
100.612	20.2633	10.2409	96.80726	97.5365	100.4656
103.651	20.508	10.211	96.4479	97.18372	101.7284
105.316	20.649	10.1548	96.37593	97.06457	103.1394
107.318	20.6223	10.0735	96.3498	96.95156	104.6566
107.016	20.5111	9.96594	96.77404	96.99382	105.8118
109.45	20.2834	9.85165	97.34467	96.99053	106.7339
112.989	19.9613	9.76382	97.47494	97.04592	107.4815
114.775	19.7632	9.70705	97.58844	97.42268	107.6912
114.114	19.605	9.69297	97.57123	97.96554	107.7412
111.562	19.5232	9.70174	97.90371	98.77712	107.0601
109.136	19.5049	9.74977	98.96747	99.5318	105.5647
102.145	19.5778	9.81962	100.3304	100.0271	104.018
101.901	19.7108	9.88238	101.7008	100.3868	102.0561
101.263	19.838	9.94293	102.4404	100.6275	99.84802
94.796	19.9952	9.9706	102.7552	100.9682	97.29867
85.8759	20.079	9.96382	103.0275	101.0856	95.05392
87.2108	20.0615	9.9258	102.9343	101.1126	92.84163
81.5121	20.0045	9.85353	102.5685	100.8771	90.83173
80.7445	19.8818	9.76763	101.6819	100.3139	89.3231
79.8474	19.6928	9.66351	99.97339	99.64082	88.79755
85.5932	19.517	9.56239	98.12111	98.77638	88.21802
85.3543	19.3979	9.50023	96.18587	97.83818	87.79969
85.4333	19.3126	9.48891	94.4659	96.52226	87.85341
89.5238	19.3593	9.55996	93.15461	94.91397	88.29295
95.3128	19.5825	9.72482	91.85557	93.5439	88.35935
94.3672	19.8627	9.97272	90.18916	92.50044	88.67467
95.8247	20.2396	10.3008	88.82157	91.57441	89.17571

95.4943	20.6663	10.6784	88.24456	90.73018	89.70928
91.59	21.1635	11.1003	88.04697	90.3593	89.63255
88.0739	21.5207	11.5441	87.99136	89.98067	89.64412
85.6113	21.8922	11.9821	88.67913	89.95217	89.57668
87.258	22.2255	12.3944	89.53326	90.35366	89.46323
86.7838	22.4387	12.739	90.75861	91.54156	89.24932
84.5958	22.4838	12.9803	92.19639	92.81227	89.36475
85.5047	22.5664	13.095	94.4051	94.09923	89.81616
84.5566	22.5267	13.0759	96.76479	95.60138	90.2626
88.0489	22.3254	12.9502	99.41143	97.16391	90.69561
92.5319	22.0679	12.7264	101.5909	98.50282	91.18213
95.8679	21.8318	12.4076	103.5295	100.0309	91.94179
101.693	21.5172	11.9963	104.7014	102.0133	92.75559
101.298	21.146	11.5073	106.2166	104.0797	93.30548
97.2191	20.7078	10.9764	107.4946	105.0702	93.70541
94.3987	20.2967	10.4515	108.9166	106.0434	93.83655
95.4869	19.7055	9.98024	109.0537	106.3823	93.92531
97.8374	19.0548	9.58624	108.9256	106.4006	93.99257
93.9323	18.5321	9.26463	107.8784	106.0337	94.07396
89.7949	18.045	8.99672	106.8637	106.045	94.29463
87.2096	17.6841	8.79391	105.5532	105.8102	93.95488
85.7104	17.4451	8.67167	104.2522	104.6975	93.63227
88.9233	17.2589	8.63058	102.6252	103.6324	94.15888
93.59	17.2166	8.68524	100.8988	102.8384	95.48836
98.7366	17.3466	8.83224	99.05194	101.8426	97.05514
97.2763	17.552	9.03739	98.11986	100.532	98.28703
97.104	17.9905	9.25813	97.7517	99.3421	99.56001
104.065	18.3306	9.47029	97.27699	98.54138	100.9193
111.682	18.5665	9.68601	96.46826	97.809	102.4056
115.855	18.7568	9.89121	95.5545	97.78169	104.1599
113.852	18.8987	10.0956	96.13259	98.18537	105.9061
110.481	19.0987	10.2813	97.01277	98.63273	106.9189
107.466	19.2339	10.4146	98.22243	99.17727	107.3324
106.531	19.3898	10.4674	99.59199	99.88973	107.7621
108.517	19.5756	10.4568	101.7364	101.3343	107.8701
111.623	19.7617	10.4127	103.6422	102.699	107.4098
106.757	20.1284	10.3604	106.0857	104.1282	106.8507
104.112	20.6539	10.3002	108.1333	105.15	105.8544
102.862	21.2048	10.2316	109.9061	105.8305	104.8205
98.5081	21.7243	10.1483	110.686	106.2238	103.8668
98.0819	22.2598	10.0419	110.6443	106.7825	103.1976
104.413	22.7586	9.94092	109.5547	106.9442	102.7316
102.903	23.1557	9.85933	108.3554	106.6228	102.3644
100.411	23.5275	9.79992	106.5509	105.8596	102.0999
98.0833	23.7609	9.75897	104.2999	104.927	102.4649
98.7669	23.7964	9.76023	101.4379	103.5403	102.8116
100.472	23.7204	9.80093	99.17791	102.3043	103.2566

103.744	23.569	9.87875	97.4831	101.265	104.2146
108.184	23.4096	9.98335	96.36307	100.3957	105.3722
111.502	23.1824	10.1434	95.83881	99.44836	106.1855
108.619	23.0057	10.3249	95.97196	98.81698	106.8037
108.647	22.8688	10.5254	96.5822	98.68859	107.1619
110.963	22.7888	10.7301	97.60693	98.85521	107.3141
113.13	22.8471	10.965	99.05861	98.76005	106.9581
114.986	23.0618	11.1678	100.8539	98.60746	106.2072
110.94	23.416	11.343	101.7733	98.54243	105.0144
105.067	23.8163	11.485	101.6155	98.45095	103.4939
100.063	24.1452	11.5605	100.858	98.10519	101.6794
94.1385	24.4689	11.5747	99.58554	97.82415	100.2094
90.71	24.6494	11.5318	97.85603	97.49018	98.50422
88.2372	24.691	11.4678	95.8777	96.72437	96.56785
88.4185	24.6318	11.3894	93.82801	95.88509	94.64504
87.9136	24.426	11.2817	92.05826	95.54213	92.79684
89.5084	24.0392	11.1796	90.91613	95.42112	91.57601
86.4797	23.5594	11.0865	91.01021	95.05637	90.80883
85.7901	23.1361	10.9979	91.9801	94.78468	90.24776
88.1335	22.7535	10.9374	93.39651	94.65875	89.91407
90.9594	22.4196	10.9141	95.20913	94.53785	89.49273
95.0692	22.2594	10.9259	96.51496	94.41791	89.56833
95.0937	22.2318	10.9444	97.5548	94.49295	89.9738
92.7691	22.2475	10.9939	98.13326	94.74248	90.51489
89.8005	22.3914	11.0563	97.63707	94.80548	90.91002
85.2326	22.6473	11.1204	96.59571	94.90027	91.22258
89.22	22.7965	11.1985	95.41176	95.20015	91.51222
93.6896	22.9883	11.2967	94.04269	95.15785	91.4749
94.9478	23.1892	11.4017	93.0637	94.86784	91.05195
94.645	23.3256	11.5017	92.06754	94.6223	90.26192
90.5431	23.3549	11.5944	91.8458	94.37862	82.94702
89.5553	23.282	11.676	92.22031	93.99926	75.81093
87.6484	23.261	11.7144	92.72076	93.72653	68.9032
85.461	23.1075	11.7217	93.71187	93.78608	62.34685
84.7988	22.9927	11.7022	94.33516	93.84056	55.48377
0	22.8551	11.6461	94.92869	94.06496	48.27688
0	22.7081	11.5689	95.68687	94.91032	40.9732
0	22.5135	11.4949	96.14601	95.73474	33.69282
0	22.3756	11.4427	97.13061	95.98225	26.72796
0	22.3495	11.4162	97.93027	96.07292	19.83909
0	22.3324	11.4342	97.72539	96.61395	13.09691
0	22.397	11.5226	97.42129	96.93665	6.522985
0	22.5429	11.6836	97.3193	96.98121	0
0	22.6083	11.9408	97.59567	96.96605	0
0	22.7964	12.2822	97.6362	96.16759	0
0	22.8938	12.7164	96.53854	94.98931	0
0	22.9748	13.2393	94.51574	93.82245	0

0	22.9211	13.8039	92.49111	93.11822	0
0	22.9276	14.3559	90.74924	92.62747	0
0	22.8578	14.8025	89.1948	91.40624	0
0	22.7585	15.152	88.14326	90.37618	0
0	22.5315	15.3685	86.7771	89.30484	0
0	22.3632	15.4155	85.69193	88.3662	0
0	22.1321	15.2967	84.98027	87.9665	0
0	21.8884	15.0253	85.12123	87.53784	0
0	21.658	14.5786	86.44396	86.98062	0
0	21.4063	14.0089	87.2321	86.38081	0
0	21.0988	13.3624	87.14919	86.37169	0
0	20.8422	12.7446	87.2056	86.69151	0
0	20.5784	12.138	87.07884	86.96016	0
0	20.4704	11.5876	87.63779	87.30875	0
0	20.3091	11.0997	88.13803	87.41824	0
0	20.1338	10.6679	87.97327	87.53696	0
0	19.9441	10.2671	87.92114	87.75388	0
0	19.7841	9.9053	87.81031	88.74752	0
0	19.5309	9.58416	88.24191	89.72612	0
0	19.1691	9.32599	89.39251	89.97065	0
0	18.6488	9.09122	90.75693	90.32801	0
0	18.0264	8.87562	92.03487	90.8749	0
0	17.3028	8.67566	92.83929	91.68815	0
0	16.5928	8.49298	93.5687	92.54923	0
0	15.9654	8.35401	94.91496	93.49402	0
0	15.4025	8.26336	95.9845	94.51558	0
0	15.03	8.24309	96.45271	95.05496	0
0	14.922	8.29685	97.03274	95.48382	0
0	15.1082	8.40082	97.41556	96.36946	0
0	15.5979	8.52009	97.49621	97.33361	0
0	16.2325	8.67163	98.0145	98.19922	0
0	16.9599	8.83628	98.72633	99.07158	0
0	17.7242	9.00721	99.88534	99.93652	0
0	18.4777	9.18056	101.1153	100.7087	0
0	19.1841	9.34054	102.1023	101.2822	0
0	19.7691	9.46551	103.3391	101.6775	0
0	20.1694	0	104.3371	102.029	0
0	20.3772	0	104.7727	101.932	0
0	20.3605	0	104.7046	101.3283	0
0	20.2757	0	103.3851	100.681	0
0	20.1314	0	101.2238	100.0342	0
0	19.9373	0	98.79809	99.22948	0
0	19.7437	0	96.24354	98.46228	0
0	19.5519	0	94.20233	97.41884	0
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0	0	0	108.6347	106.1468	0
0	0	0	108.0663	105.4269	0
0	0	0	106.7801	104.191	0
0	0	0	105.0873	102.6995	0
0	0	0	102.0477	101.0569	0
0	0	0	98.45059	98.91686	0
0	0	0	94.19256	96.46516	0
0	0	0	90.08946	94.34825	0

0	0	0	86.75201	91.98738	0
0	0	0	83.82289	89.28283	0
0	0	0	81.56111	86.42132	0
0	0	0	79.62529	84.06785	0
0	0	0	77.779	82.27495	0
0	0	0	77.08359	80.71308	0
0	0	0	77.15987	79.49306	0
0	0	0	77.52629	78.55332	0
0	0	0	77.4991	77.84446	0
0	0	0	77.09871	77.54188	0
0	0	0	77.2079	77.28172	0
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0	0	0	77.13139	76.23337	0
0	0	0	76.29749	76.07549	0
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0	0	0	75.10864	75.74986	0
0	0	0	75.24241	75.35545	0
0	0	0	75.0289	75.32818	0
0	0	0	75.0746	75.2684	0
0	0	0	75.41766	75.12803	0
0	0	0	75.70901	75.47024	0
0	0	0	75.4735	75.48998	0
0	0	0	75.61426	75.54494	0
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0	0	0	75.91691	76.43892	0
0	0	0	76.60664	77.23347	0
0	0	0	77.0864	77.85028	0
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0	0	0	80.16426	79.92767	0
0	0	0	81.41719	80.67885	0
0	0	0	83.27031	82.08508	0
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0	0	0	86.8163	84.85439	0
0	0	0	88.63649	86.44387	0
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0	0	0	93.71543	91.40292	0
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0	0	0	94.39097	91.39579	0
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0	0	0	88.69184	89.26233	0
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0	0	0	91.4313	91.03745	0
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0	0	0	86.99794	85.31402	0
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0	0	0	90.54996	92.55628	0
0	0	0	90.05629	91.88423	0

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0	0	0	89.73326	91.26821	0
0	0	0	90.65767	91.68745	0
0	0	0	91.84709	91.87548	0
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0	0	0	93.93699	91.09384	0
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0	0	0	83.0637	86.52115	0
0	0	0	81.10511	85.72756	0
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0	0	0	80.58099	83.61658	0
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0	0	0	90.54464	90.92026	0
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0	0	0	85.14034	85.13644	0

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0	0	0	89.44276	87.98318	0
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0	0	0	92.48957	90.25689	0
0	0	0	93.57246	91.42023	0
0	0	0	94.02197	92.41812	0
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0	0	0	95.40541	94.81077	0
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0	0	0	97.18636	95.99733	0
0	0	0	97.72167	96.06346	0
0	0	0	97.7804	95.80221	0
0	0	0	97.66887	95.26062	0
0	0	0	96.37416	94.16274	0
0	0	0	94.72169	93.02504	0
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0	0	0	89.17321	90.21762	0
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0	0	0	79.45706	84.78524	0
0	0	0	79.16699	84.2587	0
0	0	0	79.771	83.99195	0
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0	0	0	89.32767	85.28636	0
0	0	0	87.36611	85.51207	0
0	0	0	85.69214	85.54044	0
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0	0	0	82.12194	84.64485	0
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0	0	0	70.30883	71.71567	0
0	0	0	69.0408	71.20252	0
0	0	0	68.32987	70.54678	0
0	0	0	67.87229	69.80925	0
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0	0	0	67.36077	68.53676	0
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0	0	0	68.02036	67.63128	0
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0	0	0	67.97767	67.64102	0
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0	0	0	67.68483	68.68712	0
0	0	0	68.45559	68.97171	0
0	0	0	69.57224	69.54318	0
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0	0	0	70.89407	70.35417	0
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0	0	0	74.93129	72.64454	0
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0	0	0	65.69406	68.52426	0
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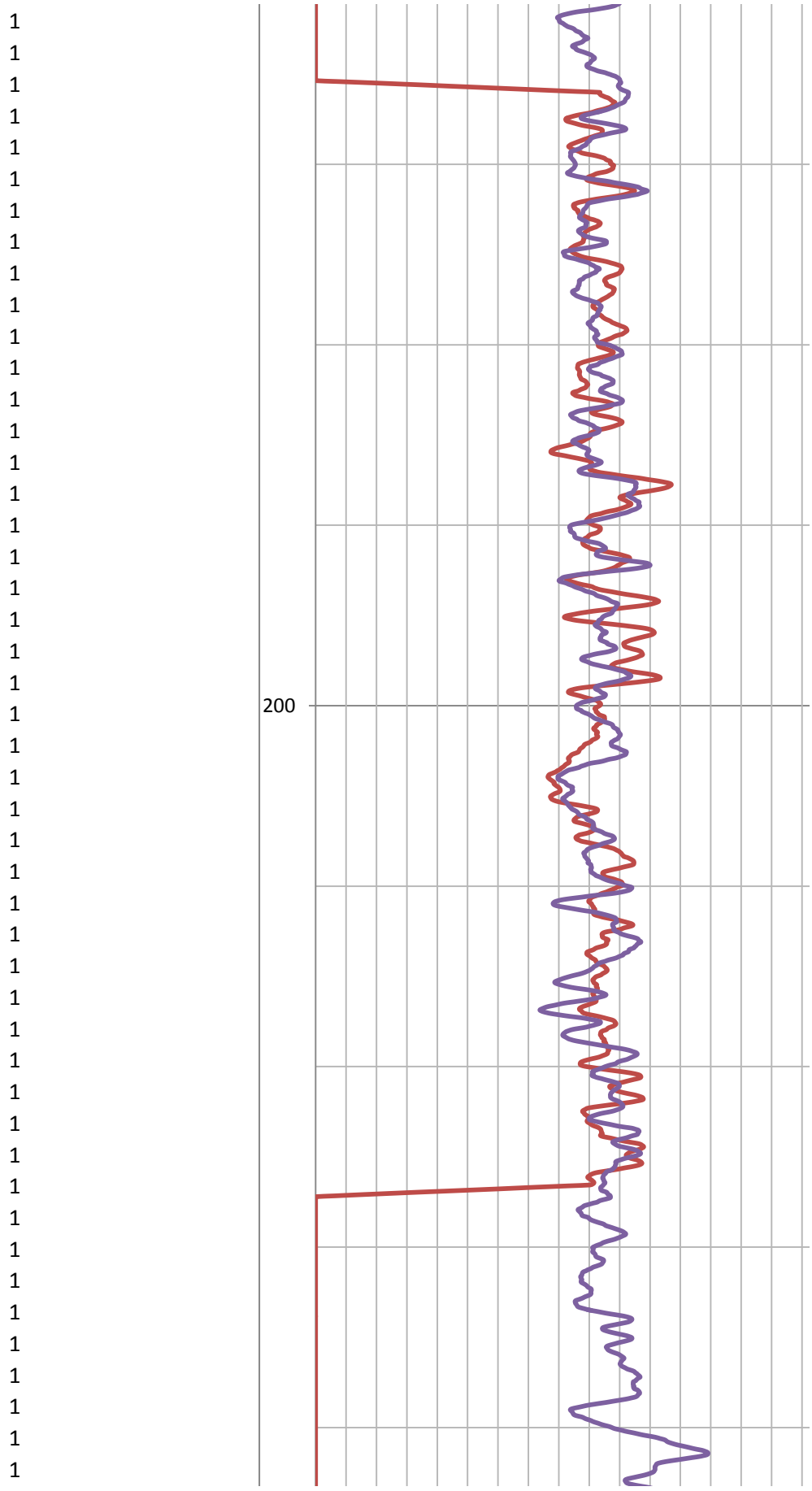
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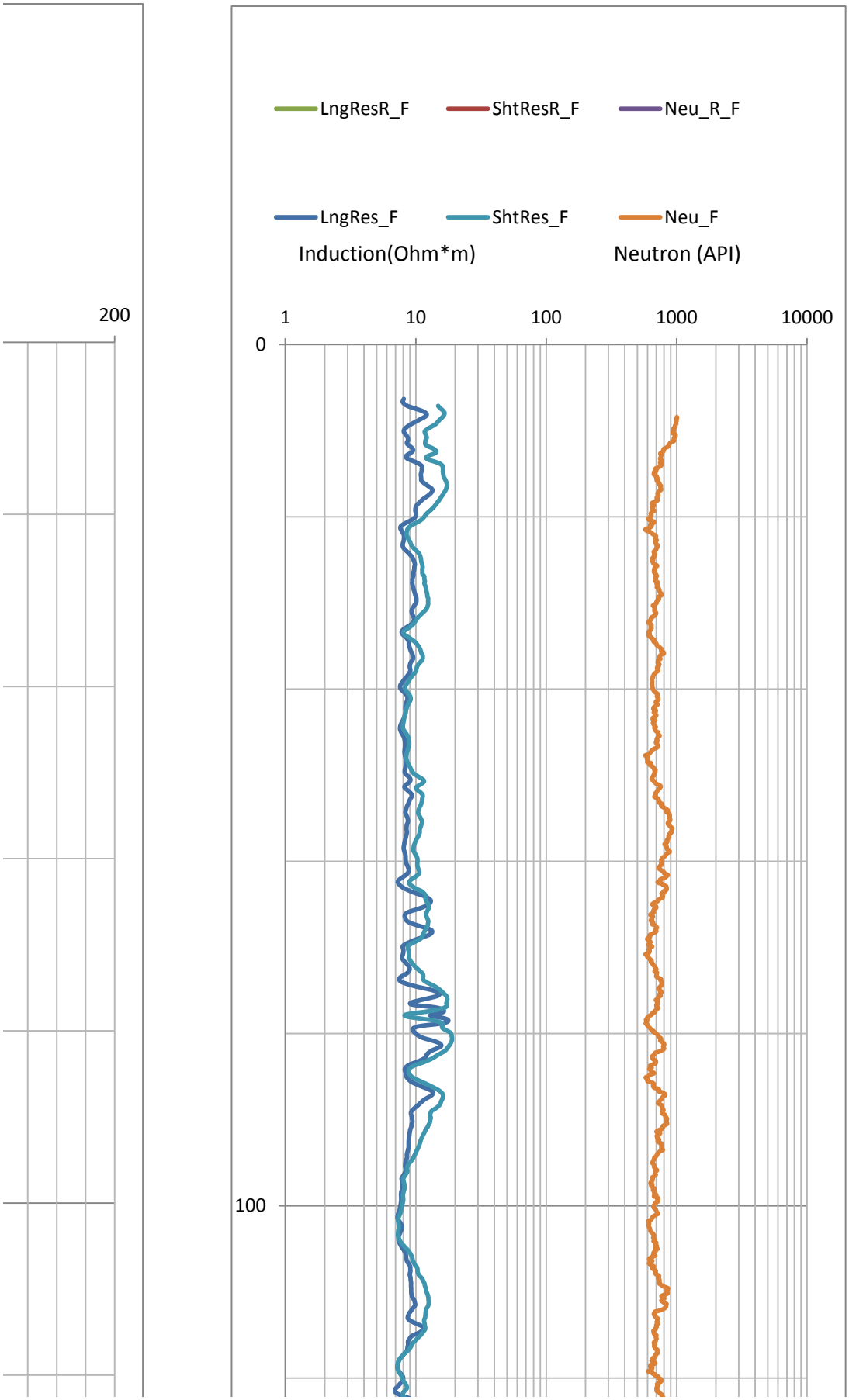
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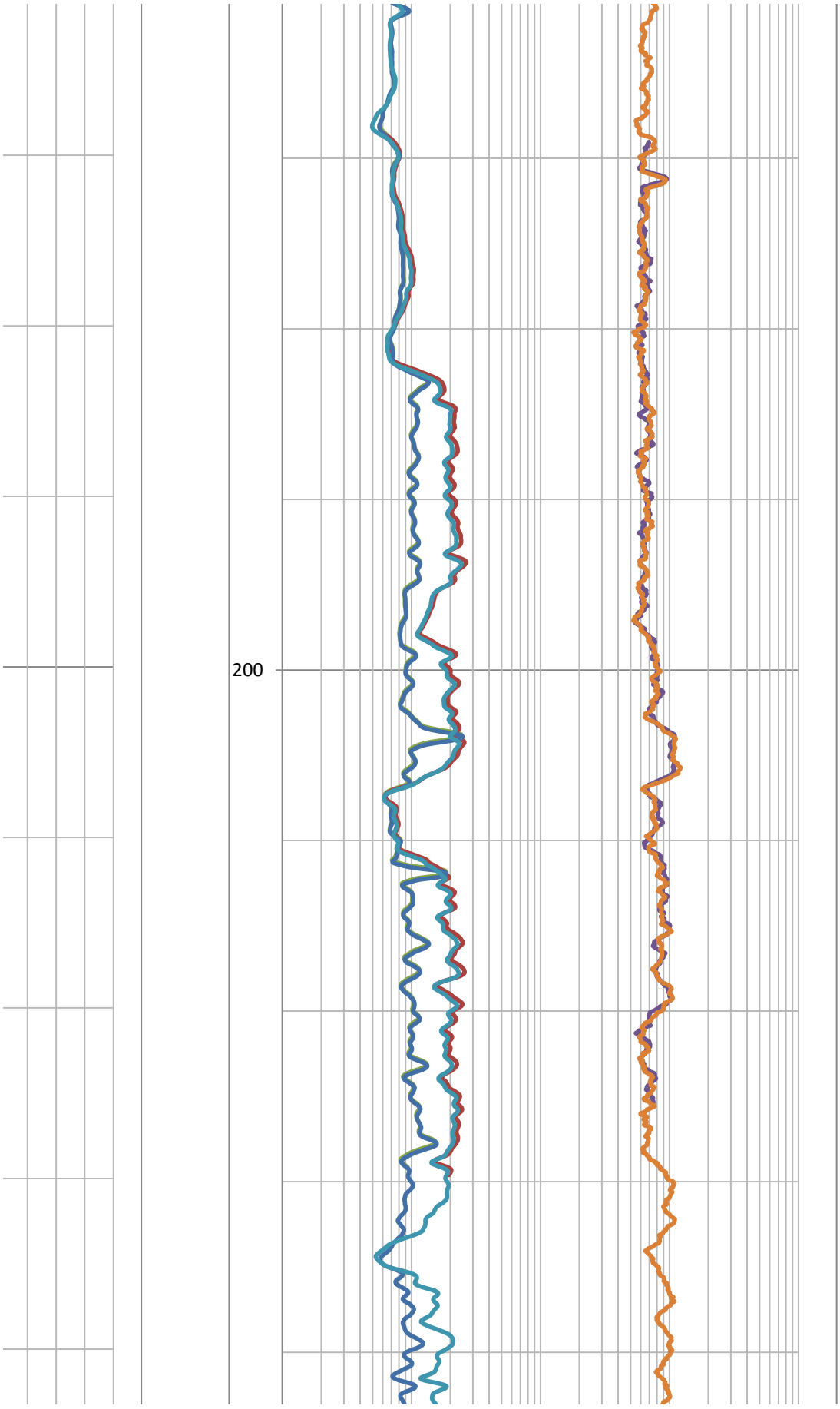
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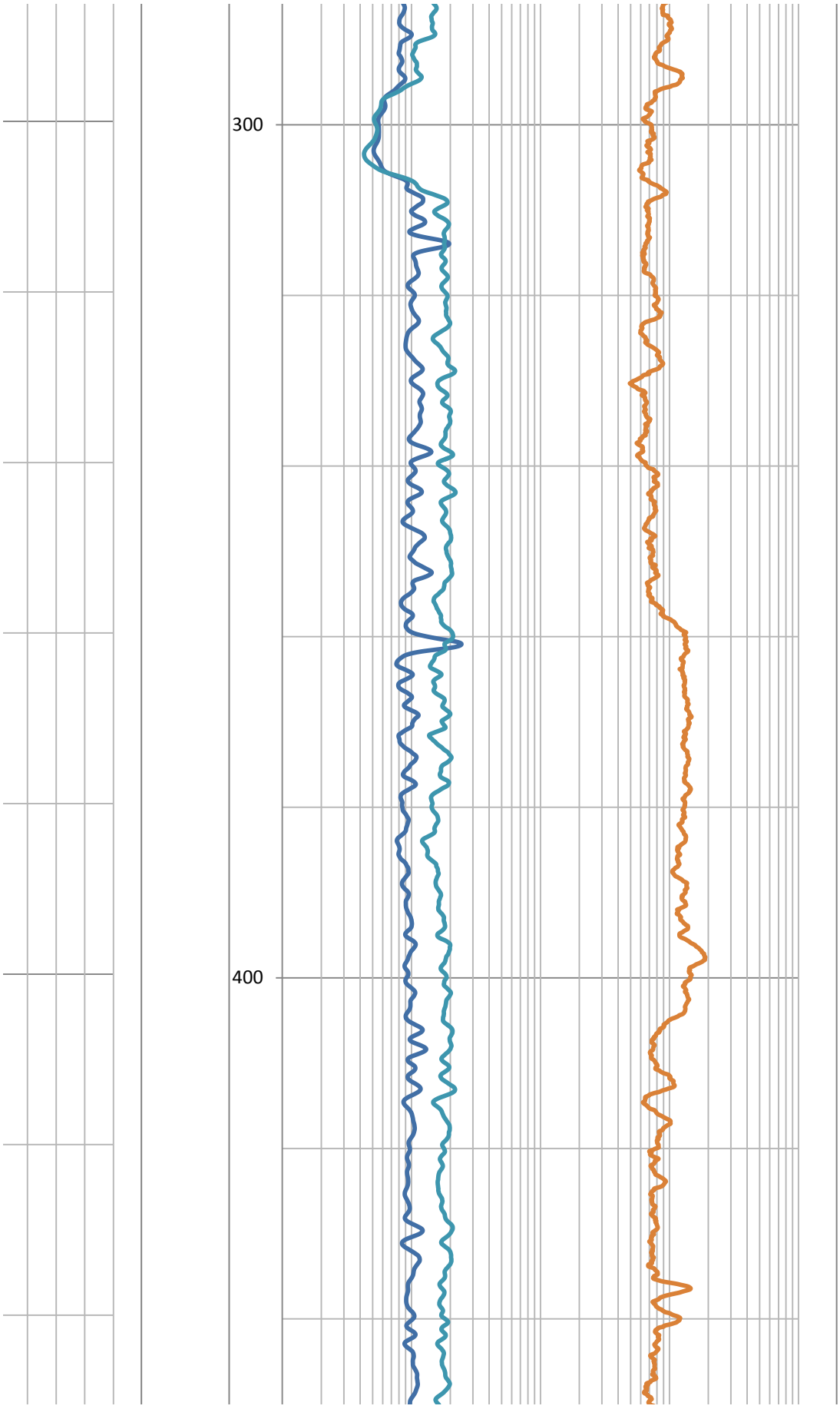
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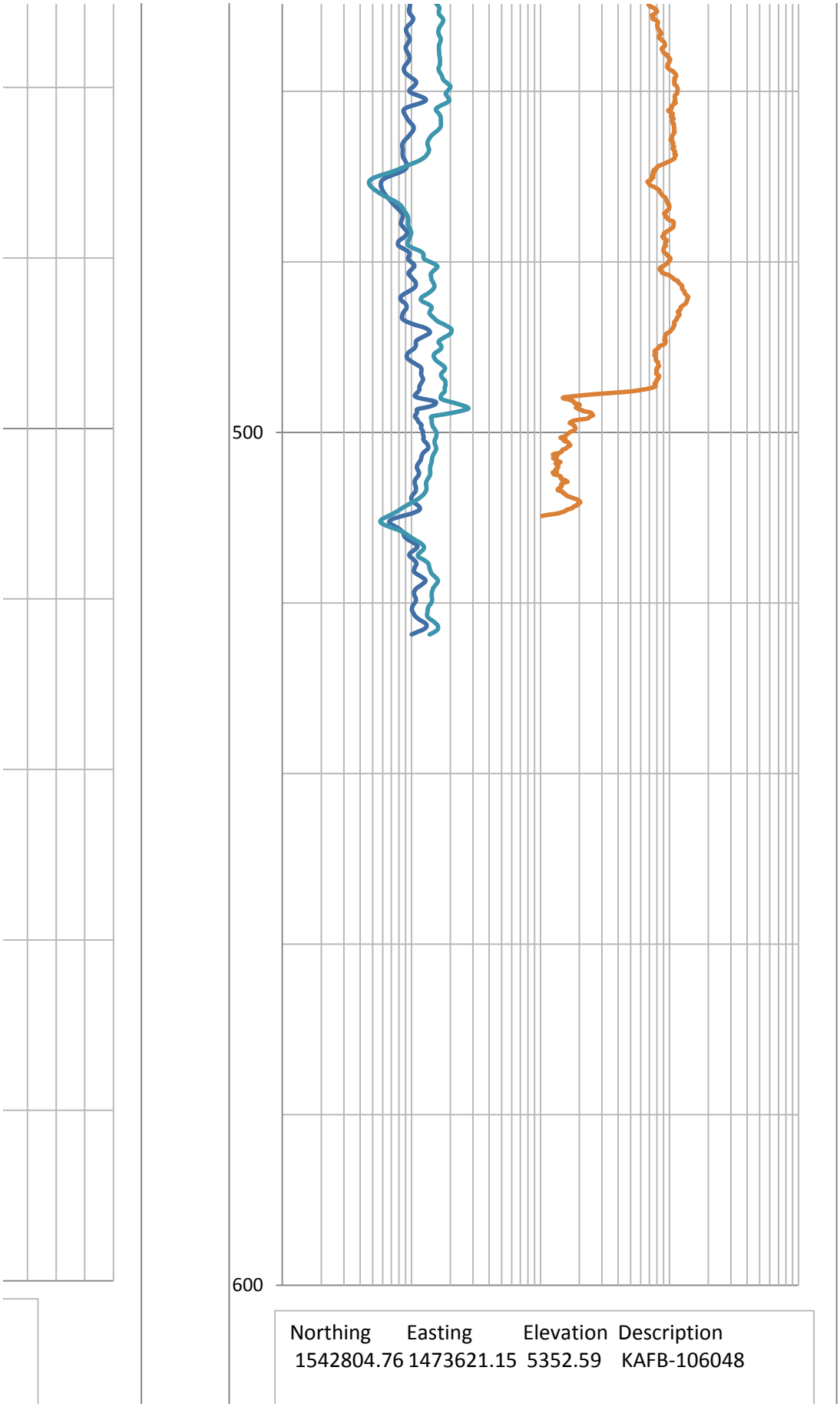

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