

Electronic Supplementary Information

Direct visualization of spatially correlated displacive short-range ordering in

$\text{Nb}_{0.8}\text{CoSb}$

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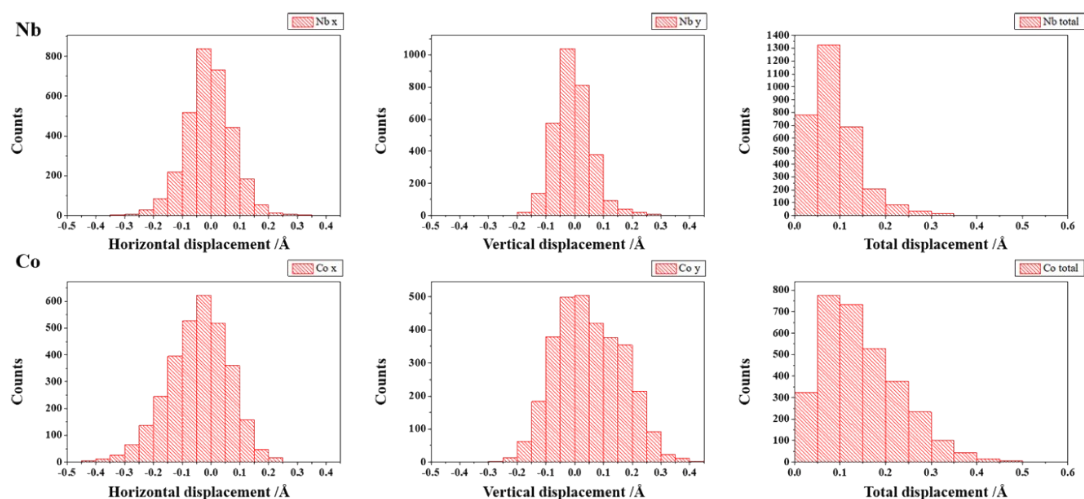


Fig. S1 Displacement of Nb and Co atomic columns and its horizontal and vertical component.

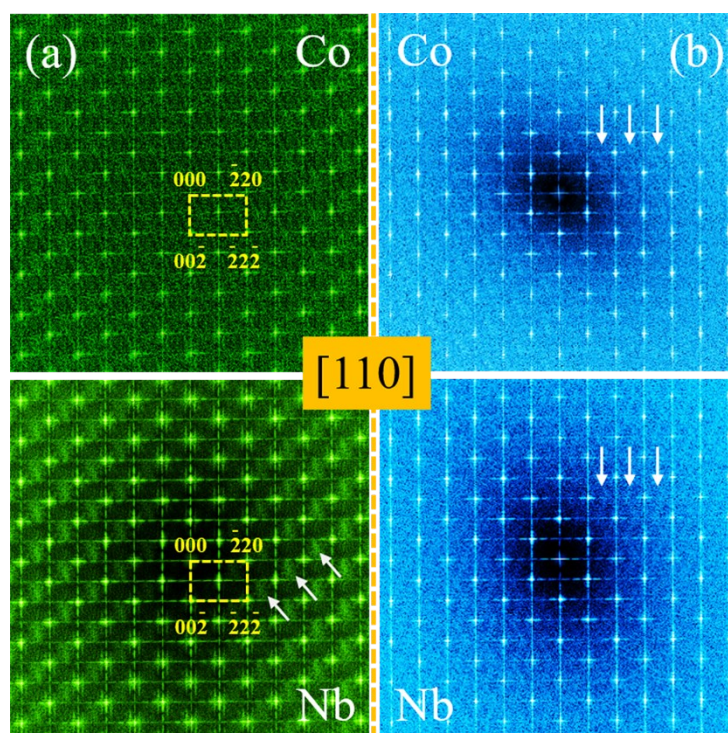


Fig. S2 FFT of the constructed model (a) with actual intensity and ideal atomic position, (b) with actual atomic position and ideal intensity, set to be 1.

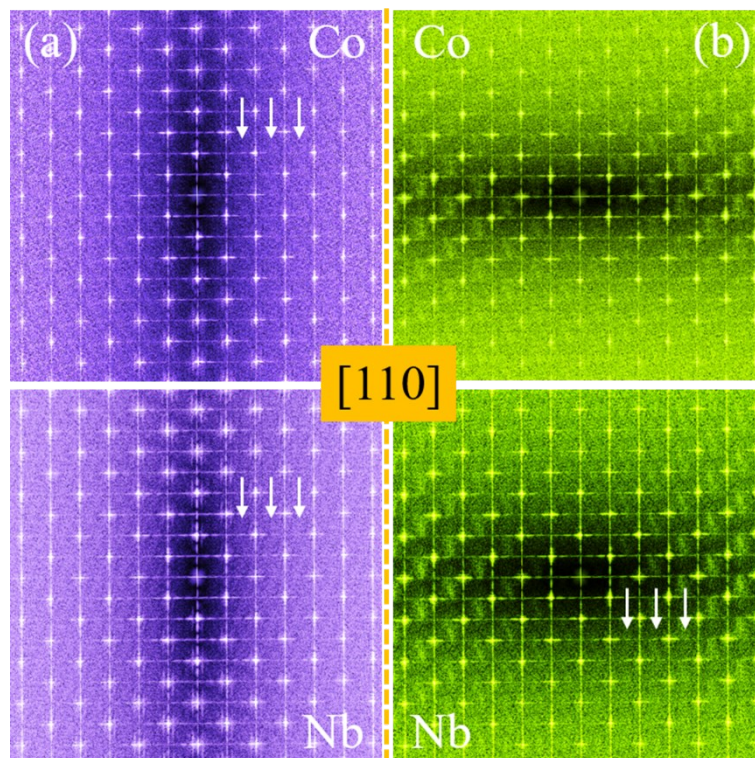


Fig. S3 FFT of the constructed model of Co and Nb, (a) with actual horizontal atomic position and ideal vertical data, (b) with actual vertical atomic position and ideal horizontal data.

Table S1. The actual position, actual intensity and ideal position, ideal intensity (set to be 1) of the Sb atomic column.

Actual X	Actual Y	Actual Intensity	Normalized Actual Intensity	Ideal X	Ideal Y	Ideal Intensity
202.82258	213.14516	383359	0.960017121	199.87449	211.21498	1
202.14674	269.38168	391957.79	0.981550424	201.39829	269.04567	1
201.29831	326.82404	391620.42	0.980705574	202.21689	326.5621	1
202.88136	385.25641	389100.74	0.974395729	202.72853	384.95042	1
202.8298	443.33268	390279.24	0.977346958	202.73222	443.50974	1
202.21367	501.73318	390696.4	0.97839162	202.72467	501.403	1
203.65151	559.75064	392422.82	0.982714964	202.92378	559.5514	1
201.78876	618.68537	391539.61	0.980503207	202.90929	618.0594	1
204.02003	674.67356	394130.26	0.986990777	203.37562	675.47427	1
205.44799	733.43839	392748.66	0.98353094	204.50407	733.41764	1
204.144	791.17353	389389.08	0.975117797	205.17592	791.00453	1
203.79272	847.96831	392053.52	0.981790154	204.88052	848.11279	1
206.01549	907.15408	391564.28	0.980564987	205.46244	906.71729	1
205.75694	965.4671	391868.53	0.981326897	206.11905	965.72677	1
205.08766	1023.1434	390601.81	0.978154745	205.88976	1023.7874	1
206.97333	1081.0728	391559.4	0.980552766	206.50733	1080.7742	1

207.08028	1137.9887	391094.49	0.979388527	206.94336	1137.9242	1
207.01581	1195.8828	393770.37	0.986089532	206.76163	1195.9081	1
208.27704	1254.5342	390826.85	0.978718296	207.99034	1254.2766	1
208.84833	1312.3984	388956.35	0.974034144	209.4874	1312.6644	1
210.19956	1370.9878	392637.78	0.983253272	210.60765	1371.2884	1
213.6098	1431.3994	391450.51	0.980280081	212.37164	1430.2591	1
211.7222	1487.0115	391892.83	0.98138775	212.34797	1487.4071	1
211.4492	1544.5721	394749.91	0.98854252	212.60381	1544.6104	1
214.72257	1602.141	388032.25	0.97171999	213.02824	1602.8293	1
213.39125	1661.3046	394745.33	0.988531051	212.4389	1661.0093	1
213.68259	1719.4152	391833.02	0.981237972	213.88875	1719.4286	1
216.09108	1777.776	393080.94	0.984363044	215.66798	1777.4232	1
221.51965	239.86519	388633.17	0.973224828	221.19493	240.08021	1
223.36175	296.90666	394403.17	0.987674205	222.54561	297.73494	1
224.53238	356.75172	387132.34	0.969466413	223.25938	355.67623	1
223.13207	413.97845	391118.34	0.979448253	223.40213	414.21737	1
222.7731	472.29977	387916.79	0.971430852	223.24014	472.39231	1
223.75516	530.70573	390475.06	0.977837335	223.35989	530.2363	1
224.04038	588.94125	390748.24	0.978521439	223.36958	588.83067	1
222.02841	647.50874	392554.79	0.983045446	223.45876	646.80096	1
223.20347	704.24404	393105.16	0.984423697	224.40991	704.33443	1
225.84156	763.07879	393277.82	0.984856076	225.50549	762.3227	1
224.50682	819.13674	390807.19	0.978669063	225.61582	819.36088	1
224.80375	877.01336	394412.07	0.987696493	225.47127	877.24853	1
226.0633	936.43731	392441.14	0.982760841	226.34775	936.30958	1
225.54625	996.02987	396018.88	0.991720307	226.36902	994.88597	1
226.521	1052.5071	389800.35	0.976147709	226.67965	1052.269	1
227.70928	1108.3835	394808.52	0.988689293	227.5815	1109.1508	1
227.68946	1167.1221	390572.03	0.97808017	227.34125	1166.7011	1
227.34325	1224.233	390245.33	0.977262039	227.63011	1224.9964	1
228.82822	1283.365	390586.97	0.978117583	229.4513	1283.4806	1
231.7283	1342.3164	391355.45	0.980042029	230.62155	1341.7989	1
233.39993	1400.9511	394101.98	0.986919958	232.32697	1400.7833	1
233.61693	1458.7546	391752.25	0.981035706	233.2769	1458.9356	1
233.05063	1515.6026	391886.57	0.981372073	232.94182	1515.7623	1
233.61903	1574.5953	392959.84	0.984059783	233.6712	1573.6622	1
234.23101	1631.5383	392553.39	0.98304194	233.31804	1631.8209	1
235.11249	1690.1731	392495.42	0.982896771	233.58369	1690.0416	1
236.10715	1748.5296	389267.57	0.974813508	235.89862	1748.4256	1
241.31994	210.88267	393874.6	0.986350547	241.00784	210.92135	1
241.86569	269.74663	391441.21	0.980256792	242.58923	268.87773	1
241.37925	326.59762	390905.64	0.978915604	243.66827	326.60624	1
244.38445	384.52598	391030.09	0.979227255	244.09138	384.96361	1

244.02507	443.53416	392123.96	0.981966551	243.85385	443.27253	1
243.78791	501.58733	392388.46	0.982628919	243.84701	501.11891	1
243.0971	558.35921	391354.57	0.980039826	243.90041	559.34345	1
244.20354	618.06672	393051.34	0.984288919	243.8274	617.91264	1
245.81311	674.90471	392352.88	0.982539818	244.38087	675.46801	1
246.24753	734.02435	391679.17	0.980852697	245.67012	733.3585	1
247.1146	790.01594	392047.74	0.981775679	246.42116	790.82421	1
246.82956	849.0444	395037.89	0.989263687	246.02106	848.05875	1
245.50697	907.09982	393175.75	0.98460047	246.37593	906.72611	1
249.1786	965.28505	394232.79	0.987247536	246.84269	965.66466	1
248.19521	1022.8868	393101.03	0.984413354	246.88522	1023.6124	1
246.07181	1081.502	388264.21	0.972300869	247.91732	1080.5721	1
248.5736	1137.7361	393517.4	0.985456038	248.30026	1137.7069	1
245.60827	1196.4636	389713.66	0.975930618	247.72225	1195.7004	1
249.74232	1255.027	393645.77	0.985777506	249.01051	1254.2015	1
250.5576	1312.8367	391045.67	0.979266271	250.76899	1312.5743	1
252.1191	1370.3792	395815.11	0.991210021	252.00887	1371.0411	1
254.13342	1430.2752	390623.66	0.978209463	253.85402	1429.9415	1
252.71441	1487.5069	389307.9	0.974914504	253.71516	1487.1083	1
254.99791	1544.9687	391206.27	0.979668449	253.85108	1544.4816	1
254.68025	1602.7002	391855.33	0.981293841	254.28105	1602.7244	1
252.39818	1660.7055	393728.89	0.985985657	253.79144	1660.739	1
255.06068	1719.0182	389816.24	0.976187502	255.5848	1719.1097	1
258.50685	1777.3474	393777.2	0.986106636	257.29828	1777.2953	1
264.02624	239.94638	392952.14	0.9840405	262.38022	239.8385	1
263.18387	297.83142	392883.67	0.983869036	263.83775	297.6601	1
264.94971	357.06057	390581.75	0.978104511	264.68543	355.77064	1
263.68534	414.00064	389128.24	0.974464595	264.58039	414.12797	1
265.73303	472.62371	390659.82	0.978300015	264.40107	472.05602	1
265.68392	529.80685	393268.7	0.984833238	264.48894	529.98488	1
264.94538	589.04604	391786.45	0.98112135	264.3863	588.63719	1
264.71828	646.66987	391819.88	0.981205067	264.55601	646.7127	1
265.31344	704.12427	392148.42	0.982027805	265.68615	704.31617	1
265.89673	762.4665	392537.14	0.983001247	266.96409	762.15757	1
267.8345	818.74634	391725.06	0.980967616	267.07581	819.20567	1
267.5732	877.03045	393258.63	0.98480802	266.706	877.20459	1
268.32622	935.13375	390731.88	0.97848047	267.29298	936.168	1
266.96663	994.42835	390791.51	0.978629797	267.28251	994.6576	1
268.84449	1051.9051	394549.34	0.988040248	268.00895	1052.0228	1
268.75917	1109.2286	393098.06	0.984405917	269.1741	1108.9658	1
268.87745	1166.8991	389420.49	0.975196455	268.59148	1166.4972	1
269.1813	1224.5448	394023.35	0.986723051	268.61844	1224.8183	1
272.12168	1283.4006	392591.09	0.98313635	270.67242	1283.3646	1

271.26985	1342.6392	392414.06	0.982693027	272.05244	1341.5528	1
271.64802	1399.964	389545.4	0.975509257	273.73181	1400.4104	1
275.89792	1458.4511	394041.03	0.986767325	274.67291	1458.4556	1
274.55439	1515.3164	390786.89	0.978618227	274.16078	1515.3545	1
274.42861	1573.6678	390857.96	0.978796203	274.8031	1573.5221	1
273.54456	1631.0477	388691.6	0.97337115	274.50647	1631.6539	1
275.4769	1690.4117	393044	0.984270538	275.10059	1689.6997	1
276.81336	1748.6611	392745.64	0.983523378	277.66683	1748.1917	1
281.05231	210.59618	389262.74	0.974801413	282.31158	210.73678	1
283.60161	268.85841	392806.54	0.983675885	283.76197	268.71061	1
286.6711	325.61136	393850.83	0.986291022	284.96585	326.61954	1
285.92372	384.64998	393417.79	0.985206592	285.33655	384.993	1
285.46421	442.8332	391452.74	0.980285665	285.03909	443.00802	1
283.50064	501.14865	388218.02	0.972185199	285.14015	500.78575	1
285.40363	559.10264	391026.67	0.97921869	285.06899	559.2073	1
284.8023	617.47087	391067.63	0.979321263	285.01921	617.77359	1
285.37214	675.29681	391221.46	0.979706488	285.67115	675.3986	1
288.62963	732.73467	391684.1	0.980865043	287.1514	733.22954	1
288.27071	791.26101	391100.91	0.979404604	288.01118	790.59622	1
287.49444	848.52419	393484.19	0.985372873	287.60486	847.87772	1
286.23956	907.44205	394095.92	0.986904782	287.75343	906.54651	1
284.80624	965.67601	391608.01	0.980674496	287.99137	965.35254	1
287.25085	1023.272	392944.73	0.984021944	288.17911	1023.3098	1
289.95312	1080.1496	394501.23	0.98791977	289.52916	1080.3606	1
290.37079	1137.8971	391625.79	0.980719022	289.93651	1137.5176	1
289.40514	1194.6493	392122.05	0.981961768	288.95655	1195.5084	1
289.56287	1254.6029	390223.69	0.977207848	290.18547	1253.9696	1
291.70907	1312.1777	395686.4	0.990887702	292.25687	1312.2845	1
293.26044	1370.4607	393866.05	0.986329136	293.49226	1370.6915	1
295.2514	1430.3768	393264.14	0.984821818	295.16467	1429.5045	1
294.12247	1486.0463	389702.93	0.975903748	294.97289	1486.5184	1
293.27739	1544.452	389446.01	0.975260362	294.96965	1544.1122	1
296.57021	1602.5209	394939.04	0.989016144	295.3987	1602.6058	1
294.62466	1660.5235	391471.86	0.980333546	295.11931	1660.5289	1
298.03825	1717.9276	392018.95	0.981703583	297.20854	1718.8228	1
299.47519	1777.5265	389869.31	0.976320401	298.91475	1777.1856	1
305.37761	239.53006	388841.59	0.973746759	303.59516	239.71943	1
304.04542	297.28233	386910.26	0.968910274	304.92669	297.54631	1
305.44421	356.78595	390008.06	0.976667862	305.8484	355.79057	1
305.65885	414.29949	391378.73	0.980100328	305.77663	414.00022	1
305.6272	470.84549	390179.94	0.977098288	305.78	471.70237	1
306.25997	529.87554	390395.7	0.9776386	305.89337	529.82907	1
304.19233	588.68438	391908.11	0.981426014	305.69271	588.56578	1

306.16746	647.61982	390435.16	0.977737416	305.89259	646.58838	1
307.88731	703.91019	389914.6	0.976433817	307.06163	704.1605	1
308.60232	762.59703	393937.94	0.986509165	308.43437	761.92238	1
308.02145	818.81955	389005.56	0.974157377	308.72646	818.92575	1
308.06214	877.11062	392769.7	0.983583629	308.3717	876.90782	1
311.31707	935.86709	396062.88	0.991830492	308.84049	935.80563	1
309.32492	995.12654	392789.79	0.983633939	308.71006	994.28189	1
310.61083	1052.4317	390351.67	0.977528339	309.57321	1051.7575	1
310.93368	1108.2908	389403.85	0.975154784	310.80525	1108.7995	1
309.66826	1166.6162	390784.55	0.978612367	310.14719	1166.3376	1
309.49254	1224.2438	393354.32	0.985047649	309.9226	1224.5583	1
312.19821	1283.2745	391771.81	0.981084688	312.10724	1282.9918	1
315.25065	1341.9396	392340.77	0.982509492	313.64957	1341.1747	1
314.88819	1399.523	392106.98	0.981924029	315.06578	1400.0918	1
315.08635	1458.3971	389280.96	0.97484704	315.92229	1457.9988	1
316.41741	1514.5102	393543.97	0.985522575	315.40075	1514.8609	1
315.21925	1573.4798	391926.07	0.98147099	315.98745	1573.2746	1
316.42527	1631.4741	392250.38	0.982283135	315.79634	1631.5476	1
316.98711	1689.8012	392262.17	0.98231266	316.54497	1689.4819	1
320.11907	1748.0012	396232.49	0.992255234	319.14713	1748.0901	1
323.31553	211.25173	392043.44	0.981764911	323.61244	210.80338	1
324.61544	269.36542	390754.38	0.978536815	324.78236	268.57215	1
325.51589	326.6227	392420.96	0.982710306	325.93913	326.5372	1
326.44085	384.66541	391117.33	0.979445723	326.45975	384.91838	1
324.39253	443.81967	391110.15	0.979427743	326.39209	442.77255	1
327.6992	500.61445	390780.53	0.9786023	326.74604	500.55687	1
326.90054	559.49878	393376.19	0.985102417	326.54824	559.19714	1
327.09813	618.45334	391758.44	0.981051207	326.45278	617.66029	1
326.62344	675.56021	391189.43	0.979626278	326.99066	675.18074	1
327.54166	732.70245	391797.7	0.981149523	328.45245	732.99605	1
329.8077	789.66744	395380.2	0.990120908	329.4176	790.33848	1
329.254	847.8045	390243.78	0.977258158	329.23897	847.50271	1
329.88065	906.83407	389155.64	0.974533211	329.42625	906.1646	1
330.3996	964.2947	391522.04	0.980459208	329.62435	964.92374	1
330.63006	1022.277	393413.04	0.985194697	329.75113	1022.9891	1
329.52858	1080.6706	393685.29	0.985876473	330.99486	1080.1938	1
332.3	1137.6155	391938.06	0.981501016	331.42755	1137.4247	1
329.31457	1196.3744	394017.07	0.986707324	330.40679	1195.3272	1
333.16196	1254.4557	394699.32	0.988415832	331.55074	1253.5974	1
332.72927	1311.5371	393700.43	0.985914387	333.80608	1311.8534	1
335.15001	1370.0613	394320.13	0.987466255	334.91074	1370.4209	1
338.01261	1430.1141	392152.11	0.982037045	336.36533	1429.2792	1
334.95281	1485.9477	391185.21	0.97961571	336.31358	1486.1656	1

336.32443	1544.2024	393248.9	0.984783654	336.33085	1543.7813	1
337.30585	1602.8371	388130.15	0.971965153	336.75372	1602.4529	1
335.716	1660.5694	391247.05	0.979770571	336.56654	1660.3868	1
337.76178	1718.6129	396289.61	0.992398275	338.54152	1718.7175	1
339.68683	1778.1893	389426.22	0.975210804	340.30056	1777.1194	1
344.88361	238.59906	388973.64	0.974077442	344.65221	239.71402	1
345.67614	296.94351	392359.37	0.982556071	345.81465	297.38741	1
347.71563	356.7726	391627.82	0.980724105	346.80027	355.67038	1
346.69009	414.16608	391478.27	0.980349598	347.03644	413.8558	1
346.71912	529.70622	389160.85	0.974546258	347.53913	529.78168	1
348.93177	471.1261	389392.1	0.97512536	347.38296	471.53923	1
347.9539	587.83771	388436.26	0.972731721	347.2351	588.50121	1
347.53144	646.32588	391677.39	0.98084824	347.29421	646.33022	1
347.43359	703.68643	391344.62	0.980014909	348.26818	703.88475	1
348.27084	762.70751	389943.64	0.97650654	349.63393	761.72724	1
350.92101	818.27364	391490.09	0.980379198	350.06098	818.65878	1
349.7837	875.69806	394473.85	0.987851204	349.83238	876.55044	1
350.11888	936.02431	391531.85	0.980483775	350.35813	935.45034	1
348.87453	994.55948	390832.77	0.978733121	350.30704	993.91685	1
352.45099	1051.7669	393138.68	0.984507638	350.98123	1051.5655	1
351.88171	1108.5702	394649	0.988289819	351.97747	1108.7422	1
352.72208	1165.8417	392459.49	0.982806794	351.4606	1166.282	1
351.09083	1223.984	393842.57	0.986270337	351.27883	1224.3121	1
354.0064	1281.7872	393684.58	0.985874695	353.49316	1282.5957	1
356.53682	1341.8829	393829.37	0.986237281	354.97188	1340.9001	1
354.20024	1399.6712	391349.33	0.980026704	356.22695	1399.9747	1
358.317	1457.3213	391238.93	0.979750237	357.2079	1457.8722	1
357.42666	1515.3374	390156.61	0.977039865	356.92618	1514.6644	1
356.97782	1572.652	393679.98	0.985863175	357.41438	1573.0522	1
357.65266	1631.4198	392891.93	0.983889721	357.28509	1631.3769	1
358.75377	1688.922	390502.82	0.977906852	357.93842	1689.3477	1
360.93373	1748.1462	395445.34	0.990284033	360.43572	1748.0448	1
363.15458	211.47161	388006.48	0.971655456	364.67749	210.90922	1
365.71911	269.18415	389652.79	0.975778186	365.76286	268.46875	1
366.51906	326.8011	387273.59	0.969820134	366.78626	326.36747	1
368.15179	384.4884	393851	0.986291448	367.54669	384.75207	1
368.77778	442.82769	393414.43	0.985198178	367.86553	442.70201	1
368.23287	500.49668	390140.84	0.977000373	368.36707	500.5397	1
368.1225	559.69976	392828.66	0.983731278	368.1323	559.14816	1
367.22806	617.35225	390125.84	0.97696281	367.96299	617.41328	1
368.45564	674.92104	390393.66	0.977633491	368.27109	674.83738	1
371.65213	732.92392	392679.1	0.983356747	369.55957	732.80315	1
370.09153	790.371	391490.93	0.980381302	370.52569	790.23214	1

368.65568	848.08947	389133.76	0.974478418	370.37734	847.28121	1
371.10551	906.17916	395866.1	0.991337711	370.61207	905.96421	1
371.47994	964.37874	394252.11	0.987295917	371.00682	964.65518	1
370.64256	1023.3402	392289.5	0.982381101	371.18358	1022.7523	1
371.21091	1079.815	393469.6	0.985336336	372.04953	1080.1273	1
371.55716	1138.3887	388925.26	0.973956287	372.34223	1137.4438	1
372.40296	1194.7296	394336.18	0.987506447	371.62351	1195.2314	1
372.61597	1253.6918	393961.05	0.986567038	372.85388	1253.3449	1
375.16159	1311.3951	391651.93	0.980784482	374.97621	1311.6222	1
376.62975	1369.5346	392715.33	0.983447475	375.92663	1370.3233	1
377.80554	1430.1529	392855.64	0.983798842	377.4944	1429.2225	1
378.12968	1485.7476	389252.67	0.974776196	377.81219	1486.1395	1
378.57011	1543.4873	390075.68	0.976837198	377.83701	1543.6418	1
379.13032	1603.2464	392212.97	0.982189452	378.15502	1602.2138	1
377.46884	1660.0884	393196.88	0.984653384	378.01842	1660.1711	1
379.8313	1718.8756	391394.5	0.980139819	379.84286	1718.6037	1
381.03729	1777.5917	388005.18	0.9716522	381.64461	1776.9528	1
387.46447	239.55108	388794.5	0.973628835	385.76122	239.62817	1
386.79722	296.34194	391115.35	0.979440765	386.82834	297.2793	1
387.79459	356.04337	390019.6	0.976696761	387.7295	355.47727	1
386.15763	414.01438	389378.07	0.975090225	388.32966	413.75222	1
387.6718	471.00109	390142.77	0.977005206	388.83447	471.60514	1
388.64982	530.06006	392145.66	0.982020893	388.97794	529.76844	1
388.23511	588.65926	390006.89	0.976664932	388.73542	588.28466	1
389.4728	646.72931	391266.92	0.97982033	388.72084	645.95877	1
389.53787	703.13759	392069.16	0.98182932	389.41878	703.62795	1
390.4933	762.09737	392698.38	0.983405028	390.667	761.67794	1
392.16963	818.80994	393377.59	0.985105923	391.01243	818.59602	1
391.34538	876.00089	390970.74	0.979078629	390.75375	876.48122	1
391.99827	935.15414	389098.83	0.974390946	391.38672	935.41968	1
391.80987	993.08278	392711.18	0.983437082	391.66613	993.71179	1
392.01401	1051.9967	392580.36	0.983109479	392.15482	1051.452	1
393.29021	1108.3987	396429.75	0.992749217	392.70392	1108.7468	1
391.50046	1166.7055	391573.07	0.980586999	392.33216	1166.2946	1
391.42206	1223.7825	391004.88	0.979164123	392.52929	1224.1902	1
395.36487	1283.0472	392682.48	0.983365211	394.67717	1282.4582	1
394.77356	1341.6749	394691.85	0.988397125	395.86092	1340.8439	1
397.53032	1399.4185	392389.53	0.982631598	397.18684	1399.8895	1
398.08825	1458.1649	392265.72	0.98232155	398.51931	1457.8203	1
398.02936	1514.6262	392924.47	0.983971208	398.41261	1514.6322	1
399.13216	1572.2225	393494.59	0.985398917	398.70759	1572.8486	1
398.34266	1630.4339	392119.04	0.98195423	398.60158	1631.0758	1
398.90563	1688.9628	394046.49	0.986780999	399.25158	1689.1204	1

401.85833	1748.1625	391002.82	0.979158965	401.80147	1747.8044	1
404.24928	210.34288	388624.87	0.973204043	405.80538	210.70147	1
406.40371	268.88086	387364.63	0.970048119	407.14481	268.38351	1
407.41884	325.80373	388127.49	0.971958492	407.82744	326.27227	1
410.46022	384.37731	391816.31	0.981196126	408.67129	384.58711	1
408.60221	443.79578	389736.53	0.97598789	409.17486	442.72696	1
410.48091	500.87964	390256.84	0.977290863	409.53278	500.60667	1
410.31271	558.91598	392670.63	0.983335536	409.43505	558.97646	1
409.33891	617.18045	390816.56	0.978692528	409.39032	617.06659	1
408.86785	673.84247	388053.93	0.971774281	409.60593	674.52707	1
410.37747	732.82141	387292.6	0.96986774	410.60179	732.68863	1
411.14633	790.49204	392657.97	0.983303832	411.48902	790.23558	1
411.02616	847.8663	390560.46	0.978051196	411.21896	847.24154	1
410.26988	906.44677	395246.94	0.989787195	411.47153	906.081	1
410.93142	964.48773	391604.28	0.980665156	412.13804	964.66153	1
412.85355	1022.8979	389739.66	0.975995728	412.51075	1022.5867	1
413.185	1080.6366	391592.91	0.980636683	412.92732	1080.0778	1
414.29373	1137.4306	393953.31	0.986547655	412.93788	1137.4616	1
412.31656	1195.4722	396767.48	0.993594969	412.71972	1195.1792	1
414.1761	1254.0562	393399.82	0.985161591	414.21972	1253.2434	1
416.48418	1311.195	391380.18	0.980103959	415.96577	1311.5983	1
416.23802	1369.8284	391936.63	0.981497435	416.81084	1370.2524	1
418.82584	1429.8849	388678.5	0.973338345	418.66038	1429.0366	1
419.74684	1485.1368	389960.7	0.976549262	419.16866	1486.0608	1
418.39919	1543.5793	390030.32	0.976723606	419.10396	1543.5159	1
418.48414	1602.484	391894.87	0.981392858	419.28166	1601.9111	1
421.02845	1659.6657	389637.14	0.975738995	419.14653	1659.8797	1
421.21473	1718.2934	393225.61	0.98472533	421.11883	1718.288	1
423.16783	1777.0115	392132.12	0.981986986	422.98725	1776.5634	1
428.34993	239.57326	389091.98	0.974373792	427.36083	239.38972	1
429.51093	296.95257	390312.81	0.977431024	428.31494	297.29447	1
426.65863	356.0612	388736.39	0.973483314	428.88231	355.37265	1
429.92875	413.21384	389360.78	0.975046927	429.56418	413.66168	1
430.98254	471.6193	390691.61	0.978379625	429.87145	471.64268	1
429.95978	529.20526	390546.25	0.978015611	429.97502	529.64396	1
430.54488	587.7272	391332.88	0.979985509	429.98411	587.9807	1
429.76764	646.34687	391250.59	0.979779436	430.1369	645.65046	1
430.49523	703.37166	391884.33	0.981366464	430.62393	703.43102	1
431.73886	762.24511	390718.22	0.978446262	431.70029	761.63196	1
431.81219	818.01821	394915.3	0.988956694	431.95754	818.51899	1
431.73686	876.33085	393521.17	0.985465479	431.68563	876.50295	1
434.40993	936.01348	393954.75	0.986551261	432.39718	935.59937	1
432.43003	994.40362	392420.16	0.982708303	432.99565	993.62709	1

433.93288	1051.4914	391100.62	0.979403878	433.36044	1051.2934	1
431.82742	1108.1777	390207.05	0.977166178	433.39317	1108.6853	1
433.86443	1166.1785	389243.77	0.974753908	433.19689	1166.2637	1
433.61332	1223.5557	391907.18	0.981423685	433.96085	1224.0492	1
435.92981	1282.7006	391536.88	0.980496371	435.98246	1282.3723	1
437.48474	1341.2752	391604.81	0.980666483	436.88017	1340.8024	1
436.6255	1399.4399	389174.4	0.97458019	438.31982	1399.6471	1
440.41413	1457.8122	392978.9	0.984107513	439.80179	1457.5574	1
440.64397	1515.3068	388712.58	0.973423689	439.61226	1514.4834	1
439.55808	1572.3867	392141.88	0.982011427	439.83838	1572.6024	1
439.79916	1630.9635	392255.89	0.982296934	439.55989	1630.7901	1
441.29347	1689.1418	392873.9	0.98384457	440.20926	1688.8348	1
443.09024	1747.3588	389102.81	0.974400912	443.10172	1747.3598	1
448.41481	209.89662	393296.21	0.984902129	447.34307	210.32475	1
448.50655	268.83167	390194.24	0.977134099	448.94973	268.29388	1
448.93385	326.28416	390558.72	0.978046838	449.30398	326.29842	1
450.01486	384.73918	392280.39	0.982358287	449.97384	384.47806	1
450.5601	442.87369	390918.03	0.978946631	450.27968	442.63688	1
449.86027	500.04477	388319.43	0.972439153	450.38693	500.44106	1
449.70383	559.35518	389512.22	0.975426167	450.46928	558.67606	1
451.26546	616.25846	391194.16	0.979638123	450.69178	616.78324	1
451.54769	675.05684	393476.58	0.985353816	451.00523	674.33368	1
452.60894	732.36066	390412.3	0.97768017	451.74984	732.55414	1
451.26775	790.75309	388003	0.971646741	452.62334	790.12247	1
452.06774	847.39176	392122.77	0.981963571	452.34788	847.09654	1
452.71935	907.21844	393743.33	0.986021818	452.58083	906.16077	1
453.99303	964.37523	392616.59	0.983200207	453.4073	964.71965	1
454.90148	1022.0922	392546.14	0.983023785	453.93196	1022.3864	1
452.06086	1080.6207	390647.31	0.978268688	454.00762	1079.8772	1
453.75893	1137.3885	391345.86	0.980018014	453.77439	1137.3768	1
454.24838	1195.4096	392080.13	0.981856791	454.04715	1195.0107	1
456.72346	1253.7595	392583.81	0.983118119	455.79012	1253.0325	1
457.25685	1311.4785	392715.18	0.983447099	457.2123	1311.4877	1
458.47175	1369.6179	395679.68	0.990870873	458.08985	1370.0544	1
460.10154	1429.5976	388821.65	0.973696825	460.00469	1428.6534	1
460.29069	1485.3054	392177.62	0.982100928	460.31125	1485.8072	1
459.57583	1544.1695	389910.18	0.976422748	460.29484	1543.2999	1
461.77059	1602.4703	390235.38	0.977237122	460.37356	1601.6585	1
458.40392	1660.3855	392817.13	0.983702405	459.94345	1659.6956	1
462.43562	1717.259	391747.5	0.981023811	462.09608	1717.9472	1
464.592	1776.6158	394679.75	0.988366824	464.2078	1776.2313	1
469.85185	238.45539	391298.19	0.979898637	469.18449	239.15017	1
469.66702	297.81824	393117.38	0.984454298	470.00615	297.28005	1

470.84348	355.62652	391669.6	0.980828732	470.4031	355.34495	1
469.88047	413.42437	391491.18	0.980381928	470.85409	413.52558	1
470.38875	471.38968	390906.69	0.978918233	470.83977	471.37362	1
470.3046	529.33798	393419.09	0.985209848	470.96272	529.25606	1
470.74742	588.33889	391202.94	0.97966011	471.17937	587.68605	1
471.47132	645.66356	393891.11	0.986391892	471.5276	645.48438	1
470.07203	703.15011	390874.55	0.978837748	471.9866	703.2915	1
472.77685	761.83325	390642.41	0.978256417	472.95719	761.491	1
474.79533	818.41188	391821.11	0.981208147	473.27824	818.33708	1
472.8526	876.10495	393482.2	0.98536789	473.0078	876.35938	1
473.50836	935.40076	391477.76	0.980348321	473.72189	935.62293	1
472.84127	993.43576	394201.77	0.987169855	474.45335	993.51581	1
476.71275	1051.0519	393263.88	0.984821167	474.7622	1051.008	1
475.42228	1107.7249	391030.74	0.979228883	474.56101	1108.4663	1
474.75584	1166.3786	393540.22	0.985513185	474.43887	1166.0988	1
475.54568	1223.8918	394753.07	0.988550434	475.54578	1223.7581	1
477.76319	1281.4894	392650.4	0.983284875	477.38196	1282.1383	1
476.93983	1341.7998	392967.77	0.984079641	478.26675	1340.6091	1
480.66846	1399.0251	391520.61	0.980455627	479.83792	1399.2721	1
481.58258	1457.3082	390310.55	0.977425365	481.05097	1457.2234	1
481.08852	1513.7733	391392.9	0.980135813	480.7865	1514.2911	1
481.39725	1572.2438	392927.56	0.983978946	481.20789	1572.4078	1
480.96986	1629.7126	392099.11	0.981904321	480.58012	1630.6548	1
480.53668	1689.3374	393490.05	0.985387548	481.01841	1688.6935	1
484.15069	1746.8517	390761.71	0.978555171	484.20414	1747.1057	1
486.95989	209.85548	392272.52	0.982338579	489.06779	210.03713	1
491.237	269.06591	391308	0.979923204	490.5532	268.17802	1
490.49789	326.48689	390119.52	0.976946983	490.92683	326.26411	1
492.31996	383.60669	393146.74	0.984527822	491.50908	384.39943	1
492.22258	443.03941	391451.1	0.980281559	491.47545	442.36649	1
492.13634	499.64453	390025.54	0.976711636	491.50119	499.96709	1
492.69361	558.83934	392883.26	0.983868009	491.74929	558.28417	1
492.61137	616.44566	393213.69	0.98469548	492.04263	616.61989	1
492.97891	674.4054	392629.98	0.983233739	492.43227	674.24512	1
494.27405	732.8214	391189.62	0.979626754	493.11316	732.43016	1
494.81707	789.63946	390372.83	0.977581328	494.0489	789.97383	1
493.7981	845.78562	395965.2	0.99158588	493.82165	846.94407	1
494.30973	905.87821	392394.07	0.982642967	494.00952	906.0252	1
495.04394	965.41133	394334.39	0.987501965	494.90821	964.63587	1
494.15264	1022.3003	390226.43	0.97721471	495.40378	1022.1709	1
494.81216	1080.005	392247.13	0.982274997	495.48255	1079.577	1
496.0997	1137.0066	389948.04	0.976517558	495.19918	1137.178	1
494.64154	1194.5202	390823.23	0.978709231	495.54842	1194.7366	1

497.03309	1253.3419	392976.68	0.984101954	497.20462	1252.7407	1
498.94275	1311.4329	393747.78	0.986032962	498.5269	1311.2676	1
500.30407	1369.6646	388895.31	0.973881286	499.67607	1369.7437	1
503.09057	1428.6205	390055.28	0.976786111	501.48592	1428.31	1
500.0727	1485.3523	391238.06	0.979748058	501.50544	1485.6563	1
501.12526	1543.27	388751.32	0.973520702	501.78649	1543.184	1
501.50845	1601.6027	392876.8	0.983851832	501.83967	1601.5882	1
500.80315	1659.9154	395167.5	0.98958826	501.00006	1659.6441	1
503.59051	1717.59	395538.31	0.990516851	503.09805	1717.8528	1
505.35877	1776.8219	389901.3	0.976400511	505.44392	1776.1981	1
512.45402	238.8896	392736.18	0.983499688	510.6423	239.03982	1
511.84639	296.17844	391175.12	0.979590443	511.42627	297.16343	1
511.99557	356.06487	389442.34	0.975251172	512.03984	355.28975	1
513.24074	412.67667	392089.84	0.981881107	512.30269	413.36835	1
512.20085	471.65752	389654.38	0.975782168	512.11844	470.94615	1
512.61687	528.64639	393361.11	0.985064653	512.41454	528.79662	1
512.26561	586.62513	390176.12	0.977088722	512.64796	587.47668	1
512.05714	645.41146	392717.29	0.983452383	512.93218	645.43703	1
514.04591	702.15535	390913.33	0.978934862	513.39806	703.22163	1
513.45586	761.85189	390877.7	0.978845636	514.37385	761.38135	1
514.10327	818.88311	393138.89	0.984508164	514.77258	818.25211	1
514.31882	876.66451	392866.53	0.983826113	514.50078	876.22309	1
516.54689	935.7301	394049.51	0.986788561	515.25342	935.45513	1
516.29925	992.83923	391963.46	0.981564623	515.957	993.37979	1
516.4434	1051.4753	395106.2	0.989434751	516.21088	1050.7747	1
515.98926	1108.1021	391777.4	0.981098687	516.20086	1108.2354	1
515.686	1166.577	392548.2	0.983028944	516.00741	1165.8751	1
517.4087	1223.5763	394263.23	0.987323764	516.93779	1223.4859	1
518.38609	1281.8708	395425.58	0.99023455	518.55168	1281.9176	1
519.83563	1340.48	391658.87	0.980801861	519.64812	1340.3795	1
520.75559	1398.9343	392795.07	0.983647162	521.46458	1398.9778	1
521.94673	1457.72	391097.18	0.979395263	522.42343	1457.084	1
522.11045	1514.2787	394501.41	0.987920221	522.22968	1514.2647	1
524.09945	1572.3415	389983.15	0.976605482	522.8874	1572.3969	1
521.7742	1630.568	391810.19	0.981180801	522.0366	1630.6552	1
522.91826	1688.5434	394117.58	0.986959024	522.27566	1688.6776	1
526.81489	1747.0143	392820.21	0.983710118	525.39885	1747.1199	1
530.83081	210.20511	387908.82	0.971410893	530.51871	209.95233	1
530.74674	268.75237	391595.15	0.980642292	531.68353	268.08362	1
531.68847	326.13617	390760.48	0.978552091	532.34133	326.12154	1
534.19062	384.41829	388320.27	0.972441256	533.09744	384.33628	1
531.66209	441.9585	391775.43	0.981093754	532.91734	442.08681	1
533.78535	499.99352	390211.96	0.977178473	533.02581	499.5921	1

532.01277	558.73727	387780.86	0.971090452	533.38144	558.0397	1
533.4138	617.24758	394919.1	0.98896621	533.52818	616.5728	1
534.03978	674.65772	391513.26	0.980437221	533.80023	674.21761	1
534.09119	732.67259	390088.98	0.976870504	534.52067	732.36406	1
535.2509	790.02509	390493.54	0.977883613	535.51278	789.88805	1
536.24256	847.3101	392636.25	0.983249441	535.28245	846.87573	1
533.5007	906.63382	391919.48	0.981454487	535.50129	905.81404	1
535.81742	964.54773	390904.69	0.978913225	536.46041	964.46236	1
536.91123	1021.446	393233.49	0.984745064	536.76928	1022.0475	1
537.3593	1079.6029	393393.46	0.985145665	536.98768	1079.3937	1
537.22805	1137.7845	391173.64	0.979586736	536.92022	1136.9748	1
537.33535	1194.512	397441.18	0.995282065	537.01375	1194.507	1
537.86738	1253.0225	393156.48	0.984552213	538.3032	1252.5572	1
539.49628	1311.6809	392331.2	0.982485527	539.6209	1311.1337	1
540.66859	1368.7364	391463.53	0.980312686	541.16603	1369.5528	1
543.81814	1428.3273	390700.42	0.978401687	543.02482	1428.1702	1
545.13677	1485.3556	390088.66	0.976869702	542.94661	1485.6476	1
545.44593	1602.2043	395039.75	0.989268345	543.47559	1601.6084	1
544.1745	1542.9718	391672.17	0.980835167	543.36235	1543.1882	1
540.60665	1660.1712	391242.49	0.979759152	542.55389	1659.6217	1
544.01146	1717.5627	389238.68	0.974741161	544.52243	1717.8643	1
547.40515	1776.3215	395735.61	0.991010935	546.80445	1776.2002	1
550.36724	238.96462	389563.05	0.975553457	551.66853	239.02173	1
553.6494	296.47132	393027.3	0.984228718	552.47366	296.98862	1
553.483	355.38923	390370.85	0.97757637	553.50521	355.17496	1
552.85696	413.50694	392419.66	0.98270705	553.8524	413.24822	1
553.9821	470.66376	390006.11	0.976662979	553.67909	470.69603	1
554.73942	527.92348	394834.01	0.988753126	554.02365	528.64643	1
555.58634	586.94204	394600.35	0.988167989	554.23317	587.41572	1
555.30424	645.87897	393183.95	0.984621004	554.33083	645.3974	1
554.91995	702.85441	392650.61	0.983285401	554.7546	703.16877	1
555.97841	762.067	390717.14	0.978443558	555.84576	761.27931	1
557.40917	817.6992	390137.85	0.976992885	556.23337	818.12748	1
556.32583	875.61177	392328.66	0.982479166	555.93111	876.03039	1
557.55616	935.46354	394599.51	0.988165885	556.78892	935.17051	1
556.28753	994.18865	389847.24	0.976265132	557.34592	993.27225	1
557.52573	1050.9384	391930.13	0.981481157	557.49642	1050.6962	1
557.74323	1107.3133	391157.64	0.979546669	557.78332	1108.0842	1
556.62227	1166.1156	390804.23	0.978661651	557.6324	1165.6371	1
558.72643	1222.6151	395394.64	0.990157069	558.12101	1223.3393	1
560.5176	1282.0695	393647	0.985780586	559.47908	1281.8395	1
561.22478	1340.6119	391373.56	0.980087381	560.82319	1340.3313	1
563.10243	1398.7078	391100.75	0.979404203	563.01498	1398.9115	1

563.95955	1457.4876	391026.04	0.979217113	563.94624	1457.0164	1
563.40229	1513.9753	392391.36	0.982636181	563.67251	1514.223	1
563.70943	1572.4847	392856.1	0.983799994	564.32446	1572.3621	1
564.1995	1629.9504	389242.06	0.974749626	563.65393	1630.6061	1
563.6375	1689.4165	392236.72	0.982248928	564.0109	1688.6	1
565.07393	1747.6705	389571.23	0.975573941	566.76707	1747.0426	1
571.09665	209.81071	390895.27	0.978889635	571.73156	209.95398	1
572.86794	268.73346	390023.48	0.976706477	572.54343	267.96555	1
572.45037	325.94594	391405.36	0.980167015	573.49332	325.90077	1
575.3349	383.65094	393018.92	0.984207732	574.59106	384.24777	1
574.59692	442.26027	394688.51	0.988388761	574.53222	441.95315	1
575.23128	499.87677	392936.06	0.984000232	574.56913	499.53377	1
574.18302	558.88754	391830.98	0.981232863	574.86156	558.04022	1
574.76137	616.97194	390922.59	0.978958051	574.99612	616.47596	1
574.89174	673.51147	391212.35	0.979683675	575.122	674.1001	1
576.41149	731.84838	389985.64	0.976611717	575.99183	732.2503	1
576.83724	789.57641	392926.2	0.983975541	577.06486	789.67387	1
575.12712	846.87626	391499.65	0.980403139	576.73574	846.60223	1
577.59238	906.11964	391528.3	0.980474885	576.99388	905.42018	1
579.19923	963.65	391129.1	0.979475198	577.93938	964.21421	1
578.97759	1021.8645	392450.27	0.982783705	577.98263	1022.0418	1
577.71417	1079.1321	395852.06	0.991302552	578.30617	1079.3417	1
579.48405	1137.3244	392663.64	0.983318031	578.5198	1136.7534	1
576.26436	1194.813	390564.83	0.978062139	578.37618	1194.3163	1
579.27646	1252.7141	393337.5	0.985005528	579.26081	1252.495	1
579.76096	1310.9152	392158.37	0.982052722	580.58226	1311.1537	1
583.11224	1369.5923	390618.36	0.97819619	582.51665	1369.6136	1
584.84853	1428.4006	395637.3	0.990764744	584.55881	1428.127	1
582.17435	1485.4149	389782.65	0.976103385	584.4037	1485.5012	1
584.04292	1543.6555	391625.92	0.980719347	584.63527	1543.0712	1
583.45863	1602.2022	387735.32	0.97097641	584.80549	1601.4864	1
584.32853	1659.6243	392767.52	0.98357817	584.26945	1659.4564	1
587.83792	1717.1509	394994.54	0.989155129	586.15892	1717.688	1
587.99553	1777.1034	389598.79	0.975642958	588.19935	1775.9147	1
594.63562	239.32865	390697.29	0.978393849	592.67605	238.92938	1
593.30895	295.90816	392117.19	0.981949598	593.42914	296.76809	1
594.92197	356.20362	389044.66	0.974255292	594.80675	354.94735	1
596.59868	413.23154	390135.13	0.976986074	595.43637	413.1658	1
594.46448	470.93822	393926.7	0.986481017	595.26297	470.66707	1
595.54959	528.27848	392120.19	0.98195711	595.34186	528.70477	1
595.89747	587.23318	392620.67	0.983210425	595.60782	587.29761	1
594.4365	645.88439	392672.78	0.98334092	595.69156	645.14393	1
595.86378	703.01888	392060.21	0.981806907	596.14878	703.00698	1

597.15537	761.92237	390557.4	0.978043533	597.4617	761.03011	1
598.39842	817.57184	389287.45	0.974863292	597.81236	817.76213	1
596.7105	875.45408	390548.33	0.978020819	597.46561	875.57355	1
598.3499	934.69138	388732.08	0.973472521	598.35802	934.71978	1
597.49013	993.03989	391231.63	0.979731956	598.66538	993.16416	1
599.11142	1050.3336	392967.83	0.984079791	598.70455	1050.7431	1
599.26606	1107.9964	390322.94	0.977456392	599.17849	1107.9618	1
599.68821	1165.7858	393974.7	0.98660122	599.09724	1165.3717	1
599.78974	1223.7148	394695.11	0.988405289	599.24265	1223.2404	1
600.57385	1281.5964	393696.92	0.985905597	600.43612	1281.8226	1
602.09636	1341.2269	394607.54	0.988185994	601.95112	1340.4387	1
603.11734	1398.7001	392992.93	0.984142647	604.48167	1398.9911	1
606.43506	1456.995	393163.56	0.984569943	605.38828	1456.8746	1
606.81384	1514.2688	387743.97	0.970998072	604.95978	1513.9886	1
605.70273	1571.7174	393622.1	0.985718231	605.49448	1572.1874	1
604.95249	1630.6278	392429.21	0.982730966	605.03371	1630.4058	1
606.19231	1688.351	391170.1	0.979577871	605.72291	1688.3386	1
609.16269	1746.1573	392332.87	0.982489709	608.15757	1746.726	1
613.60948	209.45664	390386.23	0.977614885	612.96257	209.82086	1
612.9135	267.86943	390580.28	0.978100829	613.58421	267.75629	1
615.87348	325.78181	390365.79	0.977563698	614.65994	325.59386	1
614.7341	383.91823	388979.71	0.974092642	615.98301	384.05933	1
617.04406	441.88704	392739.53	0.983508077	616.1407	441.93516	1
615.57595	499.59686	390749.43	0.978524419	615.91378	499.56013	1
615.77498	558.96207	391771.26	0.981083311	616.0399	557.94049	1
617.06682	615.78102	392615.83	0.983198304	616.3428	616.11117	1
617.25618	674.15851	391622.29	0.980710257	616.47586	673.79677	1
617.38385	732.14976	389000.17	0.974143879	617.53189	732.01249	1
617.96777	789.59867	390160.37	0.97704928	618.66154	789.31174	1
618.10059	846.88492	393645.38	0.985776529	618.32732	846.19207	1
616.93668	905.74941	392540.59	0.983009886	618.63901	904.90729	1
619.38579	964.08021	390325.81	0.977463579	619.43956	963.91302	1
617.51694	1022.5135	393865.13	0.986326832	619.29737	1022.0324	1
619.42766	1079.3095	393062.66	0.984317267	619.6114	1079.3183	1
621.08948	1136.4058	394183.34	0.987123702	619.92763	1136.5146	1
619.87587	1193.7466	397578	0.995624694	619.64204	1194.1237	1
620.85521	1252.9688	396687.47	0.993394606	620.35014	1252.414	1
621.76418	1311.0443	390419.77	0.977698876	621.70412	1311.1593	1
623.72625	1369.0012	395227.48	0.989738463	623.78359	1369.7666	1
627.38918	1429.4357	392950.94	0.984037495	625.95856	1428.0953	1
625.38051	1484.5065	396719.76	0.993475468	625.71013	1485.2465	1
625.07468	1543.2718	389865.25	0.976310234	625.87593	1542.8475	1
626.88002	1601.2252	390599.51	0.978148986	625.98141	1601.3044	1

623.70176	1659.2137	392771.64	0.983588488	625.69462	1659.2012	1
627.13197	1717.0148	391831.64	0.981234516	627.61844	1717.3578	1
626.98695	1776.8435	389595.07	0.975633642	629.57171	1775.5048	1
633.59489	238.64731	389160.85	0.974546258	633.86834	238.67522	1
634.09324	296.96399	387664.98	0.970800263	634.66336	296.46778	1
635.76794	354.54236	390570.39	0.978076063	636.03685	354.62684	1
636.02324	413.36584	390623.08	0.97820801	636.82021	413.07824	1
636.85352	470.03868	393484.6	0.9853739	636.70325	470.65918	1
637.19684	528.64855	390866.33	0.978817163	636.48453	528.58294	1
636.57183	586.56154	390662.68	0.978307178	636.83561	586.90877	1
637.55602	645.22698	390530.28	0.977975618	637.04997	644.69483	1
636.63618	703.1553	395166.97	0.989586932	637.58273	702.73766	1
639.33054	761.39411	392450.79	0.982785007	638.94059	760.7319	1
640.72135	817.20925	393762.2	0.986069072	639.25825	817.50158	1
640.61255	874.73284	393563.76	0.985572134	639.06089	875.26468	1
641.51325	933.9109	389883.73	0.976356512	639.95641	934.39225	1
640.44254	992.77748	394109.49	0.986938765	640.15351	993.0132	1
641.897	1050.7824	393127.84	0.984480492	640.12275	1050.6714	1
639.16791	1108.0757	391028.53	0.979223348	640.56342	1107.7659	1
639.37741	1165.6138	388877.44	0.973836535	640.42099	1165.1269	1
639.56307	1223.0911	394141.9	0.987019927	640.45235	1223.1	1
641.38182	1281.5819	398390.76	0.997660027	641.67511	1281.7093	1
642.61847	1341.2402	394730.99	0.98849514	643.16425	1340.4677	1
647.84834	1398.3345	390981.26	0.979104974	645.74084	1399.0458	1
645.84545	1456.4828	392835.77	0.983749083	646.65165	1456.722	1
646.74993	1513.6929	392236.24	0.982247726	646.28986	1513.761	1
646.20435	1572.7913	392632.27	0.983239474	646.80366	1572.0165	1
647.94038	1629.6769	388193.7	0.972124297	646.22452	1630.2381	1
648.7806	1688.5049	392001.84	0.981660735	647.04108	1688.037	1
648.86213	1747.376	392669.48	0.983332656	649.48587	1746.3503	1
653.80454	209.36179	390039.89	0.976747571	654.21319	209.5423	1
655.20076	268.38621	391785.3	0.98111847	654.90067	267.44499	1
655.03908	324.97006	391030.69	0.979228757	655.9711	325.25682	1
658.66521	383.70531	392249.49	0.982280907	657.05812	383.86819	1
658.19155	442.46558	389334.51	0.974981141	657.40487	441.91407	1
657.37781	500.11146	388475.23	0.972829311	657.15617	499.40499	1
657.06239	558.06502	394179.71	0.987114611	657.2185	557.57995	1
656.62703	615.52065	391069.28	0.979325395	657.65319	615.64389	1
658.39123	673.19529	393103.92	0.984420591	657.90528	673.44609	1
661.2027	731.7958	392770.64	0.983585983	658.91687	731.76879	1
659.491	788.70949	393152.97	0.984543424	659.84464	789.15755	1
658.21031	846.15163	390710.35	0.978426554	659.64972	846.16709	1
660.12154	904.88096	392515.3	0.982946555	660.13845	904.82801	1

660.44626	963.51559	389053.86	0.974278331	660.92986	963.78011	1
661.10987	1021.9238	392305.62	0.982421469	660.87298	1021.8345	1
660.9237	1079.1505	393382.77	0.985118894	661.08873	1079.0431	1
662.20632	1136.4663	393675.46	0.985851856	661.31957	1136.217	1
660.52167	1193.7887	394801.46	0.988671613	660.89024	1193.9496	1
662.60493	1253.1476	394194.77	0.987152325	661.67775	1252.2495	1
663.33618	1310.7725	392714.9	0.983446398	663.04504	1311.0137	1
665.2874	1369.6537	393246.96	0.984778796	664.8996	1369.7456	1
666.86934	1428.6829	390851.43	0.97877985	667.13789	1428.014	1
666.46019	1485.037	389585.72	0.975610228	667.02257	1485.0791	1
667.56406	1542.5915	392828.41	0.983730652	667.32275	1542.7024	1
668.12864	1601.7382	394646.31	0.988283083	667.25185	1601.1835	1
666.12176	1658.3703	392886.26	0.983875522	666.87069	1658.9989	1
669.0681	1717.1593	392415.57	0.982696808	668.84962	1716.9743	1
671.65478	1775.107	397068.72	0.994349342	670.90886	1775.2055	1
676.72633	238.15677	388818.02	0.973687734	675.1566	238.38415	1
677.34987	295.45285	390970.97	0.979079205	676.10679	296.15948	1
677.72734	355.25005	388833.38	0.973726199	677.10631	354.42562	1
677.00159	412.93316	389590.85	0.975623074	677.7229	413.02424	1
677.69526	470.66303	390681.98	0.978355509	677.85824	470.55478	1
676.5943	527.77856	392880.07	0.983860021	677.74029	528.25769	1
678.74634	585.71029	393561.86	0.985567376	678.1032	586.52891	1
679.71985	645.06721	392374.97	0.982595137	678.46454	644.36535	1
677.31448	703.09456	390892.02	0.978881497	679.04693	702.47221	1
679.12226	760.42864	391527.88	0.980473833	680.03909	760.61206	1
681.05308	817.62523	395145.06	0.989532065	680.25672	817.6042	1
679.9442	876.06617	392397.65	0.982651933	680.274	875.44556	1
681.53268	934.30162	392625.92	0.983223572	681.28877	934.47982	1
681.38926	993.335	393311.86	0.98494132	681.66593	992.84799	1
682.1569	1050.2823	393812.31	0.986194559	681.70287	1050.2704	1
682.56878	1107.4386	390522.06	0.977955033	682.03904	1107.3127	1
682.50707	1164.834	389631.38	0.975724571	681.73958	1164.8722	1
682.81847	1222.8749	394451.79	0.987795961	681.75003	1222.9519	1
684.0847	1281.2495	391738.44	0.981001122	683.11274	1281.4977	1
683.9493	1341.0338	391930.63	0.981482409	684.42197	1340.2768	1
686.20222	1398.5169	393757.16	0.986056451	686.72955	1398.8954	1
688.86468	1457.4369	394811.35	0.98869638	687.90473	1456.6011	1
688.09389	1513.9057	388582.83	0.973098766	687.77235	1513.6667	1
688.34625	1571.9292	391652.32	0.980785459	688.20977	1571.8978	1
686.29059	1629.8192	393134.03	0.984495994	687.42561	1630.1024	1
687.43788	1688.0148	390152.16	0.977028721	689.05415	1688.0547	1
690.87948	1746.1872	389615.55	0.975684929	690.78523	1745.9961	1
694.80408	208.81685	390703.62	0.978409701	695.39775	209.37231	1

694.96178	267.92117	388563.35	0.973049983	696.34494	267.21824	1
697.34258	324.78842	389098.35	0.974389744	697.26299	325.08103	1
697.45272	383.71626	391408.9	0.98017588	697.89601	383.82301	1
698.45	442.08261	390658.94	0.978297812	698.29831	441.87415	1
698.35985	499.2857	389193.56	0.974628171	698.38914	499.17164	1
699.14237	558.45037	394197.06	0.98715806	698.52284	557.2973	1
698.63567	615.31509	389818.4	0.976192911	698.98665	615.44842	1
698.77042	673.42808	392079.45	0.981855088	699.47164	673.21112	1
700.0668	732.17047	392458.44	0.982804164	700.21323	731.60185	1
700.36328	789.68133	394089.9	0.986889707	700.73438	789.20601	1
701.24359	846.76868	393964.6	0.986575928	700.65108	846.38559	1
700.58727	905.73054	391568.76	0.980576206	701.23743	905.10085	1
702.27276	964.60039	394591.06	0.988144724	702.22713	963.80227	1
701.95271	1021.3967	394341.53	0.987519845	702.40559	1021.48	1
701.07657	1079.7281	387673.01	0.970820372	702.58058	1078.4523	1
702.93397	1135.8351	388688.22	0.973362686	702.74284	1135.7496	1
700.93969	1193.7138	392129.16	0.981979573	702.11588	1193.8025	1
702.43638	1252.3954	395006.85	0.989185956	703.07667	1252.0821	1
704.65053	1310.5659	395562.73	0.990578004	704.48279	1310.7635	1
706.11355	1369.0744	395007.37	0.989187258	705.96686	1369.4454	1
709.50372	1428.1773	391148.3	0.979523279	708.25365	1427.8168	1
707.07189	1484.2608	391390.34	0.980129402	708.50131	1485.0256	1
708.954	1542.7342	391439.31	0.980252034	708.76129	1542.6015	1
709.97137	1601.6546	391082.84	0.979359353	708.52581	1601.0221	1
708.04694	1659.6952	395300.39	0.989921046	708.07924	1658.782	1
711.18724	1716.499	395555.99	0.990561126	710.08665	1716.59	1
711.01261	1775.1901	389805.92	0.976161658	712.24749	1775.0637	1
717.18272	238.71311	387803.09	0.971146121	716.50676	238.30491	1
717.45381	295.66544	388414.03	0.972676052	717.54473	296.04065	1
717.93257	354.88984	391344.13	0.980013682	718.18559	354.40638	1
717.76288	413.57318	390560.82	0.978052097	718.61139	412.99792	1
720.22582	470.47967	389758.78	0.976043609	718.94437	470.44055	1
720.09194	527.57093	394102.21	0.986920534	719.07815	528.05404	1
719.29439	586.1176	391550.57	0.980530654	719.36354	586.43248	1
719.52608	644.59095	391900.61	0.981407233	719.9494	644.27812	1
720.43661	701.01171	391929.15	0.981478703	720.64429	702.2439	1
722.20247	761.25718	391200.83	0.979654826	721.11258	760.55053	1
721.73433	817.50123	390801.65	0.97865519	721.23371	817.68475	1
721.03869	875.40092	390426.32	0.977715279	721.30441	875.61682	1
724.01128	934.51126	390203.67	0.977157713	722.37144	934.63611	1
723.88501	992.06515	392305.28	0.982420617	723.06209	992.67221	1
723.15627	1165.678	390217.39	0.977192071	723.01558	1164.562	1
725.14745	1049.7133	395721.67	0.990976026	723.15343	1049.7419	1

722.40829	1106.099	397485.53	0.995393128	723.43771	1106.6947	1
722.99737	1223.0516	392640.87	0.98326101	722.98604	1222.8562	1
724.21369	1280.9958	394237.73	0.987259907	724.56674	1281.3169	1
726.00593	1340.5185	393616.77	0.985704883	725.81679	1339.9425	1
726.6545	1398.885	391084.38	0.979363209	727.78154	1398.5336	1
729.03775	1456.0283	391029.12	0.979224826	729.29478	1456.4828	1
731.00397	1514.0111	390528.95	0.977972288	729.27126	1513.6041	1
728.70608	1571.7205	392334.74	0.982494392	729.4862	1571.7159	1
729.6176	1629.1347	391660.32	0.980805492	728.70974	1629.8733	1
730.3272	1686.5611	394815.03	0.988705595	730.47894	1687.8571	1
731.6679	1745.4403	395605.1	0.990684108	732.23653	1745.776	1
736.20915	208.98986	390152.92	0.977030624	736.61777	209.40641	1
738.01441	267.17392	388434.29	0.972726788	737.81886	267.21943	1
738.34804	325.80283	388874.15	0.973828296	738.55567	325.06539	1
740.09	383.71784	392693.57	0.983392983	739.04979	383.77516	1
739.45727	442.37431	389550.93	0.975523106	739.41597	441.78074	1
738.58467	499.0699	390480.99	0.977852185	739.70148	499.03252	1
738.93054	558.14062	392116.95	0.981948997	739.7792	557.21553	1
740.71794	615.90526	392791.41	0.983637996	740.27482	615.43937	1
742.17403	673.17413	392449.61	0.982782052	741.11359	673.06755	1
743.71133	732.2243	390420.36	0.977700354	741.62969	731.40957	1
740.97849	788.9077	394776.49	0.988609083	741.83959	789.12563	1
741.18565	846.08173	393220.94	0.984713636	741.81908	846.33808	1
741.45634	906.22007	393363.83	0.985071464	742.27466	905.12336	1
742.20421	963.68907	390372.45	0.977580376	743.48512	963.7424	1
744.14157	1020.4921	389998.01	0.976642694	743.84286	1021.1479	1
742.63797	1078.109	392175.35	0.982095243	743.91947	1077.9185	1
746.33993	1135.6998	390240.37	0.977249618	744.05376	1135.2798	1
743.16583	1193.4074	393623.07	0.98572066	743.26358	1193.6721	1
745.2058	1251.6872	397671.61	0.995859114	744.39233	1251.9824	1
745.54168	1310.9209	395146.73	0.989536247	746.01077	1310.5355	1
746.89409	1368.8405	389866.94	0.976314466	747.33514	1369.0154	1
750.07448	1427.3674	390939.25	0.978999771	749.52289	1427.5528	1
750.48051	1484.7871	391133.98	0.979487419	749.98635	1484.9611	1
749.67576	1542.4099	390457.84	0.977794212	750.11597	1542.4281	1
750.97274	1600.8842	390662.75	0.978307353	749.83332	1600.7641	1
747.1053	1659.7192	394220.01	0.987215532	749.43743	1658.5701	1
751.60876	1715.5622	391368.5	0.98007471	751.5789	1716.3929	1
754.97022	1775.6523	392424.71	0.982719697	753.72288	1775.0433	1
757.80444	239.00521	390089.81	0.976872582	757.94107	238.35615	1
759.84195	295.83005	391524.09	0.980464342	758.92394	296.05884	1
758.8684	355.06403	390550.21	0.978025527	759.55829	354.31923	1
759.92702	412.71329	391886.88	0.98137285	759.99002	412.82954	1

759.90125	470.51298	390814.82	0.97868817	760.3104	470.2723	1
760.22023	528.3015	395125.39	0.989482807	760.40755	527.94538	1
760.90396	586.47844	392316.03	0.982447538	760.52633	586.38634	1
760.98678	644.63011	389963.42	0.976556073	761.371	644.20958	1
761.96161	701.84813	393015.27	0.984198592	762.23419	702.0137	1
761.36918	760.87946	390833.48	0.978734899	762.42496	760.36538	1
763.73682	817.49529	392938.96	0.984007494	762.60646	817.46586	1
763.37636	875.65552	391595.11	0.980642192	762.55655	875.40511	1
764.25704	934.00189	392728.75	0.983481081	763.54027	934.47985	1
762.86367	994.06398	393794.1	0.986148957	764.50418	992.45391	1
764.45108	1049.5028	390036.59	0.976739307	764.52016	1049.422	1
765.7041	1106.2206	391557.58	0.980548208	764.73273	1106.3238	1
763.83585	1163.9643	392084.31	0.981867259	764.22225	1164.3423	1
764.45416	1223.109	391949.67	0.98153009	764.15663	1222.7484	1
766.3891	1281.5563	393384.37	0.985122901	766.02896	1281.1796	1
768.92932	1340.3549	395805.64	0.991186306	767.42199	1339.6145	1
767.77815	1397.7811	395087.79	0.989388648	769.16994	1398.15	1
770.08592	1457.0346	390507.5	0.977918572	770.61462	1456.3351	1
770.60373	1513.4798	393730.82	0.98599049	770.70306	1513.457	1
770.31151	1571.5493	392988.57	0.984131729	770.87248	1571.4551	1
770.91585	1628.962	393707.75	0.985932717	770.16448	1629.6495	1
771.68385	1687.6878	395958.41	0.991568876	770.9823	1687.3326	1
773.74075	1746.9541	388550.43	0.973017629	773.91441	1745.6886	1
778.65856	208.49695	392138.78	0.982003664	777.97778	209.34179	1
780.00541	268.11136	389402.71	0.975151929	779.2495	267.22554	1
779.33086	324.73318	389903.45	0.976405895	779.95965	324.97655	1
780.48288	383.59244	389447.47	0.975264019	780.67933	383.51652	1
781.0238	441.33669	390728.56	0.978472156	780.9836	441.49479	1
783.0938	498.98137	389705.47	0.975910109	781.18791	498.83093	1
781.67765	557.28165	389369.63	0.97506909	780.99535	557.11211	1
781.54811	615.42809	394040.83	0.986766825	781.48258	615.33531	1
783.14793	672.98959	392459.88	0.98280777	782.58156	672.8871	1
782.87054	731.56975	390778.49	0.978597192	783.08162	731.16295	1
783.85014	788.45764	390209.3	0.977171812	783.33305	788.86637	1
783.57024	845.8464	391045.02	0.979264643	783.40363	845.98165	1
782.48694	905.65798	389948.58	0.976518911	783.54745	904.79476	1
786.17458	963.12589	393243.52	0.984770181	784.87302	963.47406	1
785.87425	1021.0942	394649.38	0.988290771	785.28415	1020.9424	1
786.04379	1135.1833	394237.04	0.987258179	785.32671	1135.1562	1
785.17692	1078.6298	392178.56	0.982103282	785.2616	1077.7785	1
783.92799	1193.5459	394690.95	0.988394871	784.47442	1193.5227	1
785.50777	1252.7484	393536.16	0.985503018	785.69672	1251.8069	1
787.19709	1310.2355	394819.77	0.988717466	787.61858	1310.3113	1

789.55783	1367.0374	393724.57	0.985974839	788.95755	1368.6588	1
793.72856	1428.552	394487.51	0.987885412	790.81767	1427.339	1
790.7393	1485.52	395500.42	0.990421966	791.28	1484.8172	1
790.8987	1542.7288	393104.54	0.984422144	791.61694	1542.1845	1
791.07149	1601.4409	392735.37	0.983497659	791.4047	1600.5476	1
791.37654	1659.1406	394134.08	0.987000344	791.03439	1658.4572	1
793.73613	1715.034	391725.37	0.980968392	793.39245	1716.3233	1
794.06418	1775.715	394796.11	0.988658216	795.2288	1774.9321	1
801.26866	238.44242	390825.04	0.978713764	799.40231	238.20171	1
799.31195	294.85509	391981.02	0.981608597	800.32319	295.95436	1
802.46821	353.77028	392138.14	0.982002061	801.22018	354.03566	1
801.49489	413.02559	388605.35	0.973155161	801.76573	412.45967	1
801.29052	470.05992	389074.85	0.974330894	801.98382	469.93989	1
801.60559	527.88807	390090.63	0.976874636	801.856	527.75479	1
802.20666	585.2502	391502.42	0.980410075	801.72404	586.25618	1
802.40758	644.56829	391220.84	0.979704936	802.67018	644.0309	1
803.48008	701.38988	395953.06	0.991555478	803.65406	701.77717	1
802.55934	761.14424	392555.19	0.983046448	803.90609	760.15059	1
804.00658	817.76097	391819.2	0.981203364	804.36117	817.10392	1
804.78389	875.11875	392880.65	0.983861473	804.16059	875.02281	1
805.30537	934.01962	391715.8	0.980944427	804.90834	934.1177	1
806.74016	992.8385	393972.88	0.986596663	805.92085	992.20287	1
805.56043	1049.4586	390133.08	0.97698094	805.91026	1049.4064	1
804.67849	1105.3812	393374.93	0.985099261	806.11702	1106.4323	1
804.22341	1165.0675	394342.46	0.987522174	805.54846	1164.2987	1
805.81474	1222.965	396719.99	0.993476044	805.44574	1222.5067	1
808.44551	1280.6588	395474.09	0.99035603	807.49795	1280.9247	1
807.57146	1340.5774	391817.37	0.981198781	809.0863	1339.3414	1
810.16091	1398.3484	392082	0.981861474	810.67242	1397.9359	1
812.29617	1455.7545	392768.47	0.983580549	811.77933	1456.1964	1
813.53586	1512.7013	393995.04	0.986652156	812.11368	1513.2714	1
813.80745	1571.2407	392894.76	0.983896808	812.56742	1571.2161	1
811.54652	1629.0331	391958.33	0.981551776	811.84651	1629.5164	1
811.78642	1686.8853	395391.53	0.990149281	812.78444	1687.2728	1
815.5962	1745.781	393384.04	0.985122075	815.5449	1745.5044	1
817.52094	208.65335	387529.7	0.970461491	819.45694	208.95961	1
819.82517	267.7813	388634.71	0.973228685	820.70835	266.98386	1
820.72051	325.59216	391933.34	0.981489196	821.54075	324.71609	1
824.02431	382.61624	390415.28	0.977687632	822.47979	383.14241	1
822.03451	441.05079	388085.13	0.971852413	822.73854	441.13362	1
823.00493	499.23891	391257.42	0.97979654	822.89144	498.5518	1
821.58927	556.81077	392122.4	0.981962645	822.40777	556.97208	1
822.90448	615.30354	391732.61	0.980986523	822.76648	615.18652	1

824.84025	672.24626	390772.54	0.978582292	823.96018	672.6573	1
826.41642	730.65112	388117.49	0.97193345	824.50001	730.97555	1
825.46504	788.34624	392755.36	0.983547719	824.97418	788.66413	1
826.0102	846.18364	393015.6	0.984199418	825.23021	845.63122	1
823.89612	905.05665	393271.63	0.984840575	825.16266	904.45443	1
826.1106	962.98499	392540.09	0.983008634	826.23891	963.15821	1
826.90826	1019.7451	391429.42	0.980227267	826.60819	1020.8456	1
826.70918	1078.6387	393870.86	0.986341182	826.70326	1078.0187	1
829.02303	1135.9482	395310.22	0.989945663	826.80958	1135.3642	1
825.09617	1193.7737	393850.54	0.986290296	825.91301	1193.339	1
828.3259	1251.6156	393176.64	0.984602699	827.06911	1251.482	1
829.27108	1309.8041	390344.79	0.97751111	829.16087	1310.0338	1
831.69247	1367.5769	393592.45	0.98564398	830.60576	1368.4908	1
831.49579	1428.0994	391347.44	0.980021971	832.13862	1427.2531	1
831.6098	1484.5897	395175.1	0.989607292	832.53328	1484.6864	1
832.74015	1541.6341	393985.5	0.986628266	833.22558	1541.986	1
833.87919	1600.2452	390180.62	0.977099991	833.16352	1600.3728	1
832.17752	1659.1184	392673.91	0.98334375	832.75343	1658.3461	1
836.05753	1716.5737	391852.69	0.98128723	835.15421	1716.1857	1
837.55035	1775.0058	391168.31	0.979573389	836.56285	1774.6586	1
841.2706	238.06215	390485.59	0.977863704	840.92384	237.77359	1
842.60335	295.57304	388335.38	0.972479095	841.91179	295.62702	1
842.19537	353.67936	388968.89	0.974065547	842.92343	353.69448	1
842.50047	412.1345	390542.67	0.978006646	843.41516	412.18064	1
845.04664	469.77394	391762.16	0.981060523	843.70136	469.69092	1
843.23905	527.19933	391696.9	0.980897097	843.58676	527.56643	1
844.47274	586.79274	392354.99	0.982545102	843.19382	586.17531	1
843.44809	644.28435	392448.56	0.982779423	844.08513	643.83051	1
844.54307	701.43447	391068.64	0.979323793	845.08035	701.60027	1
845.33512	760.49788	390737.14	0.978493642	845.39871	760.05659	1
846.86294	816.56698	391417.13	0.98019649	846.0485	816.92882	1
844.80588	873.74111	393270.6	0.984837996	846.02097	874.77305	1
846.66713	933.51633	393836.75	0.986255762	846.48681	933.82237	1
847.01783	992.95242	392066.13	0.981821732	847.15896	992.00402	1
848.77623	1049.6745	391114.63	0.979438962	847.26871	1049.5159	1
847.74914	1105.8751	388866.76	0.97380979	847.65625	1106.7801	1
848.0983	1164.0771	394059.75	0.986814205	847.14988	1164.3351	1
847.56601	1221.4198	393973.29	0.986597689	846.93831	1222.2398	1
847.63619	1280.427	393468.03	0.985332405	848.89968	1280.6052	1
850.86603	1339.5491	391656.55	0.980796051	850.669	1339.1746	1
852.13138	1397.5124	391028.66	0.979223674	852.30352	1397.9256	1
853.39226	1456.1192	395024.97	0.989231332	853.10344	1456.1147	1
853.88898	1513.0647	396419.75	0.992724175	853.54054	1513.1379	1

854.39985	1571.3798	390768.85	0.978573051	854.25667	1571.0367	1
854.04245	1629.2642	391927.05	0.981473444	853.47995	1629.3451	1
855.44282	1686.9508	391409.79	0.980178109	854.44473	1687.1315	1
855.80423	1744.4196	391710.3	0.980930654	856.98355	1745.2814	1
861.6193	207.46019	390049.6	0.976771887	860.99503	208.50126	1
862.93053	267.074	391360.79	0.980055402	862.32101	266.56163	1
863.18381	323.8351	392357.63	0.982551713	863.24311	324.35174	1
863.97709	383.6096	389540.27	0.975496411	863.9881	382.92555	1
865.00484	441.4925	390226.49	0.97721486	864.22271	441.01148	1
864.22734	498.48266	389072.06	0.974323908	864.64262	498.40169	1
864.68796	557.8819	392114.92	0.981943913	864.17058	556.87694	1
863.8684	614.93012	392009.11	0.981678941	864.31342	615.07634	1
865.20643	672.4858	393256.49	0.984802661	865.45485	672.46722	1
865.6322	731.32751	389697.14	0.975889248	865.93752	730.89531	1
865.39458	788.98694	390291.46	0.977377559	866.47654	788.6271	1
865.90512	845.72037	393829.71	0.986238133	866.93283	845.54754	1
865.9041	905.79751	392004.17	0.98166657	867.04636	904.2477	1
867.90588	962.61628	390066.13	0.976813282	867.61595	962.9296	1
866.87235	1020.6729	390826.15	0.978716543	867.8423	1020.7763	1
866.40369	1079.0732	393732.79	0.985995423	868.13508	1078.2031	1
867.78466	1135.9869	393158.57	0.984557447	868.40928	1135.5582	1
866.33437	1193.3989	392940.99	0.984012578	867.54845	1193.22	1
868.49222	1251.673	393039.33	0.984258843	868.5428	1251.2577	1
870.83572	1310.4531	394655.52	0.988306147	870.58809	1309.839	1
870.90293	1368.6652	390426.64	0.97771608	872.32554	1368.486	1
874.89909	1427.4829	389341.84	0.974999497	873.76216	1427.2159	1
873.9012	1484.3735	391661.5	0.980808447	873.96284	1484.565	1
874.41661	1542.1651	393127.9	0.984480643	874.73736	1541.8434	1
875.07052	1600.8047	393895.8	0.986403637	874.69499	1600.1662	1
873.46501	1657.9901	394731.61	0.988496693	874.20812	1658.14	1
877.04224	1715.9477	395226.69	0.989736485	876.61959	1716.0397	1
877.10298	1775.2663	392611.71	0.983187987	877.81007	1774.3511	1
881.99878	237.43541	389085.46	0.974357464	882.49112	237.40453	1
883.68036	295.11344	392089.26	0.981879655	883.61193	295.22823	1
885.42644	353.6314	393330.16	0.984987147	884.46097	353.43743	1
884.89058	412.67674	388241.13	0.972243072	884.70969	412.15701	1
883.68103	469.75749	390944.95	0.979014045	885.15351	469.65872	1
885.7299	527.23741	390108.39	0.976919111	885.35807	527.4426	1
884.91088	585.33269	389832.56	0.97622837	884.92699	586.09881	1
886.85979	644.18638	388724.38	0.973453239	885.62302	643.66542	1
886.76129	701.38813	395102.51	0.98942551	886.50524	701.52594	1
886.49081	760.8306	393496.63	0.985404025	886.83906	759.98132	1
887.98685	817.25609	391195.21	0.979640752	887.48554	816.94542	1

889.182	874.4804	396505.57	0.992939088	887.77245	874.69708	1
889.02394	933.70704	391993.77	0.981640526	888.12909	933.61529	1
886.82399	992.51381	390280.46	0.977350013	888.40501	991.85035	1
890.41074	1049.8131	392734.53	0.983495556	888.59214	1049.4514	1
889.43646	1106.7077	391206.88	0.979669977	889.03612	1106.8276	1
889.17736	1164.8897	391945.59	0.981519873	888.74748	1164.3208	1
888.69991	1222.3651	396321.54	0.992478235	888.56129	1222.1428	1
891.07368	1279.8214	394258.08	0.987310867	890.31926	1280.4882	1
893.39676	1339.7255	392931.14	0.983987911	892.25752	1339.1052	1
893.6594	1397.5228	394809.66	0.988692148	894.10354	1397.8879	1
893.71925	1456.4616	395304.18	0.989930537	894.74185	1455.9743	1
894.90974	1513.7496	393572.78	0.985594722	894.99282	1512.9489	1
895.77828	1570.8531	392239.29	0.982255363	895.65704	1570.8553	1
894.02676	1628.4785	393134.21	0.984496444	894.83154	1629.0868	1
895.8967	1686.9725	390444.56	0.977760956	895.72873	1686.9237	1
900.05863	1744.8638	392083.5	0.98186523	898.39331	1745.0881	1
903.37596	208.0481	390164.81	0.977060399	902.49118	208.3777	1
903.97519	266.70525	391885.65	0.981369769	903.89687	266.24613	1
904.56195	324.26879	390330.9	0.977476326	904.83653	324.05533	1
905.55243	382.53901	388466.79	0.972808175	905.34163	382.88848	1
904.66668	440.86055	393750.85	0.98604065	905.46859	441.06445	1
908.01303	498.41692	393629.85	0.985737638	906.03879	498.34522	1
904.87203	557.38667	391864.64	0.981317156	905.86438	556.73389	1
905.97664	615.00864	392003.15	0.981664016	905.90681	614.94291	1
907.9651	671.94269	392455.29	0.982796276	906.80072	672.39582	1
906.78678	731.28319	390378.48	0.977595477	907.33013	730.81048	1
908.00322	788.42769	393463.63	0.985321386	907.8427	788.52431	1
907.7244	845.73541	393464.1	0.985322563	908.30618	845.56752	1
908.04341	904.55051	391789.54	0.981129088	908.63727	904.09678	1
910.15606	962.2455	390113.19	0.976931131	908.94991	962.75399	1
909.52427	1020.9878	388729.08	0.973465008	909.13665	1020.5889	1
908.60442	1077.8549	389033.62	0.974227645	909.3969	1077.9772	1
912.21212	1135.2989	394195.57	0.987154328	909.68046	1135.4151	1
908.84475	1192.4584	390018.79	0.976694732	909.14257	1193.1431	1
909.09208	1251.8624	394409.81	0.987690834	910.08829	1251.2477	1
910.66866	1309.3446	390069.02	0.976820519	912.08136	1309.76	1
914.47615	1367.8297	393065.83	0.984325205	914.02621	1368.3885	1
917.45671	1427.3281	395682.61	0.990878211	915.46097	1427.0133	1
915.98884	1484.2152	393736.32	0.986004263	915.53098	1484.298	1
917.15821	1541.5272	393250.08	0.984786609	916.08935	1541.6164	1
916.67508	1601.1074	391863.2	0.98131355	915.97025	1599.9184	1
915.24835	1658.595	389961.13	0.976550339	915.43595	1657.8418	1
916.62565	1715.6224	390211.77	0.977177998	917.92026	1715.8462	1

919.72204	1774.6546	390910.56	0.978927925	919.20379	1774.0698	1
924.13124	237.33988	391080.02	0.979352291	923.91856	237.32248	1
925.2468	294.47564	392042.82	0.981763358	925.11151	294.99042	1
924.31171	353.70051	391281.09	0.979855815	925.92239	353.35402	1
925.74139	412.61016	389847.08	0.976264732	926.07101	412.22063	1
926.40111	470.26209	388935.44	0.97398178	926.28664	469.65631	1
926.08437	526.58379	391266.19	0.979818502	926.6333	527.30101	1
926.51513	586.5336	389966.47	0.976563711	926.47299	585.91758	1
926.27324	643.56293	389766.92	0.976063993	926.93498	643.58708	1
928.76033	700.92191	392501.46	0.982911896	927.75611	701.4867	1
928.69563	759.94868	391533.21	0.98048718	928.23803	759.77069	1
929.30384	817.36847	394703.65	0.988426675	928.70276	816.85326	1
929.3878	874.53974	391581.58	0.98060831	929.02239	874.61267	1
929.33816	933.66073	389963.76	0.976556925	929.39157	933.4637	1
927.85658	991.96079	389914.83	0.976434393	929.65949	991.66465	1
929.96138	1049.0447	391214.05	0.979687932	929.88939	1049.1038	1
928.49817	1106.5424	393753.7	0.986047787	930.12495	1106.4249	1
929.29858	1164.4661	388688.88	0.973364339	930.01816	1164.0904	1
929.86252	1221.8178	391265.93	0.979817851	930.11041	1222.0846	1
932.82491	1280.8339	394989.84	0.989143359	931.80195	1280.458	1
932.57416	1339.612	396244.08	0.992284258	933.82748	1338.9507	1
934.9753	1398.3562	393763.81	0.986073104	935.58668	1397.6214	1
937.10123	1455.3045	391705.02	0.980917431	936.32952	1455.6666	1
937.09633	1511.7448	391701.26	0.980908015	936.41692	1512.6226	1
936.36771	1570.5059	393985.48	0.986628216	936.89252	1570.6239	1
937.06654	1628.2234	391138.46	0.979498638	936.12938	1628.7917	1
936.71024	1686.2733	392798.09	0.983654724	936.90893	1686.6062	1
939.53335	1745.7664	392345.04	0.982520185	939.72516	1744.8681	1
943.88317	208.99137	389215.75	0.97468374	943.89156	208.47481	1
944.86265	266.81174	388755.22	0.973530469	945.2238	266.15597	1
947.33522	323.89763	389623.07	0.97570376	946.25281	323.9785	1
949.01081	382.52012	392637.38	0.98325227	946.88004	382.92915	1
947.27647	441.61447	389561.93	0.975550652	946.73136	441.05676	1
946.96588	498.27875	388127.85	0.971959393	946.97259	498.23155	1
946.93339	556.69754	392168.12	0.982077138	947.09573	556.51465	1
947.00435	614.9155	393765.15	0.98607646	947.26932	614.79689	1
946.62559	672.50788	390368.74	0.977571086	947.94858	672.37553	1
948.1763	730.86176	390921.47	0.978955246	948.70188	730.64298	1
949.84207	787.71441	389086.48	0.974360018	949.14331	788.25079	1
948.97158	845.4974	393471.04	0.985339942	949.3641	845.43023	1
949.36729	904.26705	392522.52	0.982964635	949.69339	903.96994	1
950.80604	962.8963	393272.23	0.984842077	950.0701	962.63891	1
951.30955	1019.9719	388456.52	0.972782457	950.44454	1020.3126	1

951.83428	1077.8131	392262.28	0.982312936	950.59357	1077.4735	1
949.91007	1135.5843	388794.89	0.973629812	950.71548	1134.9462	1
950.24631	1193.3096	391911.99	0.981435731	950.48452	1192.8972	1
953.03788	1252.0563	395036.06	0.989259104	951.50149	1251.1568	1
953.91701	1309.209	391919.77	0.981455214	953.54755	1309.6165	1
956.26913	1367.5994	395450.06	0.990295853	955.3535	1368.0933	1
957.01969	1427.5945	393448.91	0.985284524	956.76294	1426.674	1
954.92247	1484.1748	393333.1	0.98499451	957.00257	1483.9655	1
956.17961	1542.0139	390864.27	0.978812004	957.40834	1541.3598	1
957.39524	1600.3332	393892.85	0.986396249	957.2718	1599.6997	1
954.94142	1657.4822	389509.13	0.975418429	956.75675	1657.5034	1
960.93781	1715.2156	394376.43	0.987607242	959.07032	1715.5533	1
960.3388	1774.0603	390107.04	0.97691573	960.51019	1773.893	1
966.14874	236.77306	391847.11	0.981273257	965.20085	237.35516	1
966.61715	294.5381	391835.8	0.981244934	966.38504	294.95284	1
967.00045	353.76555	393622.66	0.985719633	967.42109	353.38924	1
966.44409	412.37942	392002.04	0.981661236	967.60867	412.16131	1
966.43273	469.89035	391700.5	0.980906112	967.29178	469.50277	1
967.623	527.07037	390693.33	0.978383932	967.54138	527.11548	1
969.48329	585.38415	391613.99	0.980689472	967.75037	585.69225	1
968.44216	644.1432	390290.14	0.977374254	968.18448	643.51212	1
969.46336	701.50395	393292.59	0.984893063	969.0621	701.38819	1
968.72371	759.92424	391622.79	0.980711509	969.67324	759.49525	1
969.59316	817.27186	394298.16	0.987411237	969.8477	816.59021	1
969.60876	874.63378	391845.25	0.981268599	969.97762	874.41994	1
970.33727	932.73599	389103.83	0.974403467	970.39985	933.39666	1
970.40537	991.19165	393854.36	0.986299862	970.87992	991.51764	1
971.88245	1049.1211	389968.1	0.976567793	971.22793	1048.7475	1
971.61103	1104.8762	394875.22	0.988856325	971.30803	1105.8898	1
971.39196	1164.1907	390619.11	0.978198069	971.17469	1163.651	1
972.38641	1221.9398	392096.79	0.981898511	971.37645	1221.8255	1
971.36577	1279.7649	394210.99	0.987192944	973.08429	1280.288	1
975.89732	1339.5207	391934.13	0.981491174	975.09604	1338.6874	1
976.94569	1396.4396	396441.72	0.992779193	976.64735	1397.2875	1
978.27751	1455.6952	391830.04	0.981230509	977.65117	1455.4021	1
978.39418	1512.3258	395630.37	0.99074739	977.8558	1512.3956	1
978.63917	1570.3574	394852.92	0.988800481	978.23065	1570.4593	1
977.85416	1628.0273	390249.72	0.977273033	977.54532	1628.5784	1
977.56686	1687.4171	390955.16	0.979039613	978.1321	1686.2801	1
981.09274	1745.0627	395089.16	0.989392079	980.80209	1744.7045	1
984.76511	208.3144	391810.26	0.981180976	985.29109	208.47071	1
985.62218	266.28103	390758.36	0.978546782	986.44419	266.14533	1
986.54946	323.94888	390505.58	0.977913764	987.58236	323.96738	1

989.29151	383.08492	391762.56	0.981061524	988.44936	382.82302	1
988.20903	441.46383	392489.49	0.982881921	988.05715	440.80604	1
989.48948	498.23417	389358.92	0.975042269	987.92059	498.02816	1
987.51749	556.67225	391324.93	0.9799656	988.2271	556.30659	1
989.3204	614.14129	392411.07	0.982685539	988.60727	614.62365	1
988.72163	672.59724	391597.77	0.980648853	989.31775	672.27597	1
991.26893	730.52439	389764.04	0.976056781	990.20959	730.4676	1
991.12399	787.70242	394003.3	0.986672841	990.51403	787.99449	1
990.67611	845.12007	395622.93	0.990728759	990.4336	845.14985	1
988.6058	904.9442	391917.59	0.981449754	990.71474	903.82281	1
990.00761	963.43351	390516.58	0.97794131	991.27599	962.55005	1
992.3887	1019.6936	390560.72	0.978051847	991.78477	1020.1328	1
988.97955	1078.8944	387380.47	0.970087786	992.01831	1077.1322	1
993.64945	1134.6661	391430.41	0.980229746	992.00853	1134.4931	1
990.86996	1191.8166	391504.27	0.980414708	991.72218	1192.5207	1
992.01704	1251.2013	394612.91	0.988199442	992.62181	1250.8859	1
995.55434	1309.7966	393109.06	0.984433463	994.68562	1309.3967	1
994.78051	1367.023	394637.4	0.98826077	996.3979	1367.8178	1
998.62348	1426.415	390013.78	0.976682186	997.91031	1426.4688	1
998.92758	1483.7011	390698.41	0.978396654	998.45398	1483.8471	1
999.5493	1541.5041	389209.98	0.97466929	998.87537	1541.2268	1
999.1426	1600.0257	390709.74	0.978425026	998.71254	1599.6014	1
999.0269	1657.2338	391643.35	0.980762996	998.13776	1657.3133	1
999.82843	1714.8813	389140.97	0.974496474	1000.0817	1715.3489	1
1001.1469	1774.0257	390876.5	0.978842631	1001.6555	1773.8863	1
1006.2701	237.32372	392750.36	0.983535198	1006.5203	237.29858	1
1008.2171	295.04413	392286.62	0.982373888	1007.6213	294.88427	1
1009.9047	354.10087	391510.57	0.980430485	1008.844	353.22827	1
1009.7772	411.22809	388600.12	0.973142064	1009.0749	411.79745	1
1009.4483	469.31525	388324.04	0.972450697	1008.5712	469.18103	1
1008.0171	526.21558	390780.97	0.978603402	1008.7722	526.96082	1
1008.7594	585.75119	391047.34	0.979270453	1009.0984	585.48375	1
1008.8745	643.16234	389923.65	0.97645648	1009.6538	643.35377	1
1011.096	700.75193	389421.72	0.975199535	1010.6165	701.25168	1
1011.0576	760.15754	389004.46	0.974154622	1011.2215	759.38193	1
1011.0839	816.03552	392618.77	0.983205667	1011.1793	816.37407	1
1012.0671	873.89047	390819.76	0.978700541	1011.1039	874.15699	1
1014.687	932.54674	391107.59	0.979421332	1011.7117	933.23532	1
1011.6523	992.55495	394392.51	0.98764751	1012.2525	991.37079	1
1013.866	1048.9839	392090.56	0.98188291	1012.696	1048.6017	1
1011.6369	1105.2129	393032.61	0.984242015	1012.8655	1105.6503	1
1012.399	1163.5741	390930.68	0.97897831	1012.589	1163.3045	1
1012.683	1221.2641	395488.56	0.990392266	1012.5877	1221.5165	1

1014.6331	1279.7236	391677.53	0.98084859	1014.139	1280.0515	1
1015.5769	1339.1599	392897.01	0.983902442	1016.1281	1338.4867	1
1016.3001	1397.9794	391467.02	0.980321426	1017.8164	1397.1299	1
1018.905	1455.8259	391480.7	0.980355684	1019.0816	1455.3446	1
1018.4174	1512.338	389691.18	0.975874323	1019.4022	1512.3232	1
1018.1486	1570.6566	391421.84	0.980208285	1019.7341	1570.3563	1
1018.4703	1628.254	390475.3	0.977837936	1018.9966	1628.5194	1
1019.1824	1685.7556	391121.82	0.979456967	1019.3548	1686.1662	1
1020.12	1746.1939	388876.3	0.97383368	1021.9083	1744.6983	1
1026.8943	208.20954	390525.26	0.977963047	1026.7127	208.27536	1
1029.7443	267.24748	389060.32	0.974294508	1027.7368	266.02277	1
1029.0879	322.87243	390289.86	0.977373552	1028.8936	323.74719	1
1028.7566	382.81758	389560.17	0.975546245	1029.863	382.40514	1
1029.009	440.53945	389336.59	0.97498635	1029.5345	440.33152	1
1028.4709	498.08275	389425.13	0.975208074	1029.4891	497.8388	1
1029.6729	556.31855	391083.5	0.979361005	1029.7267	556.15619	1
1030.4794	614.39475	393528.28	0.985483284	1030.0816	614.41981	1
1031.2866	672.077	391845.84	0.981270076	1030.9119	672.11353	1
1031.5869	730.48306	393561.14	0.985565573	1031.7894	730.4346	1
1031.0015	788.29537	393030.92	0.984237783	1032.062	787.98334	1
1030.8664	845.63013	390623.16	0.978208211	1031.7736	844.93641	1
1031.4804	904.10742	391335.03	0.979990893	1032.0587	903.56758	1
1034.2663	961.44411	392349.16	0.982530503	1032.8259	962.28724	1
1032.9732	1019.6876	391106.44	0.979418452	1033.2152	1019.9907	1
1034.2473	1077.0657	392303.08	0.982415108	1033.6336	1077.0907	1
1033.8872	1134.6311	389855.16	0.976284966	1033.6306	1134.3481	1
1033.4933	1192.2606	394392.94	0.987648587	1033.1852	1192.2618	1
1034.0579	1250.9723	394020.41	0.986715688	1033.8694	1250.6491	1
1036.0608	1308.8625	390329.55	0.977472945	1035.7239	1309.2208	1
1038.6933	1366.8717	397804.29	0.996191375	1037.6186	1367.6977	1
1040.0562	1427.0599	393926.34	0.986480116	1039.4383	1426.4152	1
1039.7619	1484.3677	392675.82	0.983348533	1040.0218	1483.7919	1
1041.809	1540.708	394102.93	0.986922337	1040.4024	1541.0751	1
1041.3138	1600.6144	392651.76	0.983288281	1040.2371	1599.5007	1
1038.7242	1657.9893	391499.68	0.980403214	1039.5377	1657.2975	1
1042.8427	1715.2927	393452.09	0.985292487	1041.3189	1715.3175	1
1043.9885	1773.4818	391669.56	0.980828631	1043.0384	1773.947	1
1047.8293	237.12599	389293.38	0.974878143	1047.8564	237.08281	1
1047.3555	294.27296	393580.51	0.98561408	1048.9544	294.6581	1
1049.6304	352.80584	393433.99	0.985247161	1050.2171	352.82882	1
1051.3724	411.22452	389898.03	0.976392322	1050.5254	411.27745	1
1049.017	469.23051	391298.73	0.97989999	1050.3122	468.88268	1
1051.6589	527.22174	392672.38	0.983339918	1050.5655	526.85847	1

1050.8505	584.98268	389717.07	0.975939158	1050.6173	585.29639	1
1051.8458	643.59647	391523.37	0.980462539	1051.2091	643.15826	1
1052.3281	701.85684	391373.09	0.980086204	1052.1549	701.18857	1
1052.8164	760.67269	390728.46	0.978471905	1052.7542	759.48546	1
1054.0746	816.0583	391989.24	0.981629182	1052.7372	816.35106	1
1052.4807	873.86265	390692.69	0.978382329	1052.4944	873.95775	1
1052.4061	932.80246	389956.33	0.976538318	1053.3056	932.88969	1
1052.2656	991.59849	392727.2	0.9834772	1053.8346	991.08044	1
1053.782	1048.9513	388822.99	0.97370018	1054.192	1048.5457	1
1054.555	1105.798	394123.44	0.986973699	1054.5195	1105.7048	1
1053.4985	1164.1954	390398.09	0.977644585	1054.1966	1163.1882	1
1053.8087	1221.7634	389680.86	0.97584848	1054.105	1221.309	1
1055.9008	1280.417	391498.3	0.980399758	1055.4271	1279.8698	1
1056.5102	1339.2151	392847.42	0.983778258	1057.2947	1338.3593	1
1059.6378	1396.9865	393562.68	0.98556943	1059.4382	1397.0807	1
1061.9221	1455.1638	392411.2	0.982685865	1060.7374	1455.2267	1
1061.8039	1512.1131	392458.56	0.982804465	1060.8872	1512.1289	1
1060.0318	1569.6148	389882.45	0.976353306	1061.2092	1570.1337	1
1062.3634	1628.7297	392914.28	0.98394569	1060.4972	1628.4227	1
1060.9207	1685.5107	393548.99	0.985535147	1060.835	1686.1329	1
1062.588	1744.9695	388380.62	0.972592386	1063.4615	1744.715	1
1068.4328	207.68913	391590.8	0.980631399	1067.997	207.96989	1
1070.3651	266.19212	387676.71	0.970829637	1069.1091	265.7966	1
1070.6019	323.42266	389416.31	0.975185987	1070.3096	323.44663	1
1072.4742	382.36795	391951.18	0.981533871	1071.2829	381.97895	1
1071.0269	439.26986	390244.66	0.977260362	1071.1718	439.97864	1
1073.1786	498.17948	391649.15	0.98077752	1071.3696	497.72758	1
1070.6074	556.26961	391671.02	0.980832288	1071.3647	556.01435	1
1070.9324	614.69136	388869.25	0.973816026	1071.5595	614.22574	1
1072.2866	671.49981	389851.75	0.976276427	1072.4196	671.99593	1
1073.7431	730.21523	389820.44	0.976198019	1073.1919	730.5006	1
1073.5615	788.02186	390874.27	0.978837047	1073.5995	788.06839	1
1072.574	845.16181	390693.03	0.978383181	1073.3032	844.85279	1
1073.2524	904.23054	393911.3	0.986442452	1073.5808	903.3228	1
1077.2723	961.99012	391729.26	0.980978134	1074.5459	961.8989	1
1075.6353	1019.3603	392385.26	0.982620905	1074.7479	1019.7734	1
1074.5119	1077.645	391323.56	0.97996217	1075.1454	1077.1462	1
1076.2117	1134.5684	393242.36	0.984767276	1075.175	1134.4056	1
1074.7315	1191.5938	392531.16	0.982986272	1074.7696	1192.1325	1
1074.7552	1251.1405	392973.13	0.984093064	1075.4365	1250.4699	1
1076.4983	1308.8812	393846.87	0.986281105	1076.9767	1309.0427	1
1079.2341	1367.4924	392303.68	0.982416611	1079.127	1367.5993	1
1081.1986	1426.7096	391901.79	0.981410188	1081.1896	1426.2875	1

1079.1626	1483.6935	391947.77	0.981525332	1081.5319	1483.5245	1
1080.8637	1541.3901	393357.62	0.985055913	1081.7407	1540.7977	1
1080.36	1599.8578	390203.92	0.977158339	1081.6704	1599.243	1
1078.6786	1657.907	393155.71	0.984550285	1081.1284	1657.1702	1
1082.8732	1715.3695	390261.55	0.977302658	1083.0385	1715.236	1
1083.9558	1774.4403	390367.74	0.977568582	1084.7261	1773.8416	1
1088.4816	237.25834	389671.63	0.975825366	1089.1846	236.83742	1
1090.5083	294.97752	389730.5	0.975972789	1090.4316	294.47103	1
1091.2667	352.97155	387320.03	0.969936431	1091.6693	352.55538	1
1090.9784	411.0044	390698.91	0.978397906	1092.0439	411.00972	1
1092.0298	468.52974	392117.94	0.981951476	1092.0295	468.764	1
1093.1394	526.4447	393482.52	0.985368691	1092.1728	526.76145	1
1092.2552	585.24963	392141.91	0.982011502	1092.0218	585.13584	1
1092.1687	643.98899	387648.71	0.970759519	1092.6813	643.02112	1
1093.7462	700.99585	394230.11	0.987240824	1093.5273	701.15354	1
1093.5571	760.98291	392761.5	0.983563095	1094.1296	759.52872	1
1095.4381	816.21354	394210.33	0.987191291	1094.2561	816.26795	1
1093.9309	873.17004	392859.93	0.983809586	1094.0705	873.83318	1
1095.2099	931.95722	390460.28	0.977800322	1094.999	932.58833	1
1094.5865	990.7274	391778.52	0.981101492	1095.5301	990.7412	1
1096.5238	1048.9551	390563.93	0.978059885	1095.6397	1048.4452	1
1095.5967	1104.7541	393395.64	0.985151124	1095.9064	1105.7759	1
1094.9304	1163.4144	391353	0.980035894	1095.5996	1163.1954	1
1096.9472	1220.7173	393298.33	0.984907438	1095.6947	1221.172	1
1098.5661	1279.2755	393148.81	0.984533006	1096.9093	1279.6744	1
1099.1206	1338.8919	394406.11	0.987681568	1098.653	1338.1588	1
1100.8827	1397.1415	393795.52	0.986152513	1101.1723	1396.9639	1
1103.9979	1454.728	393856.21	0.986304495	1102.3193	1454.9614	1
1103.9162	1511.8455	391528.97	0.980476562	1102.1915	1511.8259	1
1104.5468	1569.1548	395609.96	0.990696279	1102.4318	1569.8477	1
1103.1049	1627.9873	393275.24	0.984849615	1101.9828	1628.1352	1
1103.165	1686.3325	396534.78	0.993012236	1102.6158	1685.9272	1
1106.106	1745.4701	396142.94	0.992030981	1105.1877	1744.5143	1
1108.7766	207.4927	391841.97	0.981260385	1109.2914	207.75844	1
1111.5335	265.93498	389612.91	0.975678317	1110.595	265.66339	1
1111.9842	322.42477	392257.25	0.982300339	1111.8146	323.3162	1
1113.0037	382.21191	390784	0.97861099	1112.7531	381.84119	1
1113.5282	440.28027	390064.91	0.976810227	1112.7457	439.91406	1
1112.3876	498.49435	391853.61	0.981289534	1112.8221	497.67446	1
1111.9288	556.14299	389975.89	0.976587301	1112.6274	555.90908	1
1114.211	612.95163	389788.22	0.976117333	1112.9582	614.12442	1
1114.3539	671.51166	392087.37	0.981874922	1113.8605	671.89927	1
1115.0258	730.77945	389917.26	0.976440478	1114.5174	730.41146	1

1115.8703	787.45105	393210.6	0.984687742	1114.992	787.89714	1
1114.5849	845.20602	397084.04	0.994387707	1114.8534	844.66845	1
1114.4151	904.60655	392683.97	0.983368942	1115.3075	903.13674	1
1115.1657	961.7289	392878.51	0.983856114	1116.2804	961.61512	1
1115.6725	1019.7168	390804.45	0.978662202	1116.2861	1019.5297	1
1116.9127	1077.1526	387288.32	0.969857022	1116.4458	1077.075	1
1116.6473	1134.7049	392852.26	0.983790378	1116.3797	1134.4171	1
1116.3699	1192.3696	396591.93	0.993155353	1116.1358	1192.0951	1
1116.24	1250.6687	391576.75	0.980596214	1117.0135	1250.3354	1
1117.677	1308.9248	395002.33	0.989174637	1118.3981	1308.7806	1
1121.0668	1366.787	393298.22	0.984907162	1120.7212	1367.3882	1
1123.0961	1427.1222	393819.46	0.986212464	1122.7799	1426.1019	1
1121.8316	1483.1642	390326.32	0.977464857	1122.9281	1483.2244	1
1122.5036	1540.425	391433.37	0.980237159	1122.9025	1540.5734	1
1124.0187	1599.9793	390698.08	0.978395827	1122.8652	1598.9344	1
1123.0528	1657.2711	389233.61	0.974728465	1122.7636	1656.8351	1
1125.1951	1714.2301	392436.24	0.982748571	1124.7975	1714.9465	1
1125.2037	1773.925	390091.09	0.976875788	1126.3224	1773.4665	1
1131.2232	236.8804	389043.18	0.974251585	1130.6951	236.73259	1
1131.161	294.24442	392434.67	0.982744639	1131.9564	294.40672	1
1133.648	352.85965	391203.88	0.979662464	1133.1265	352.48317	1
1133.3011	410.77325	391871.7	0.981334835	1133.5591	411.01513	1
1133.2957	468.75132	391918.15	0.981451157	1133.4491	468.76474	1
1133.7312	526.81293	394247.27	0.987283797	1133.3181	526.69418	1
1132.424	585.59101	388185.88	0.972104714	1133.2697	585.08649	1
1133.0832	643.48817	390377.58	0.977593223	1134.168	642.95219	1
1134.3854	701.32902	387237.26	0.969729156	1134.9454	700.95467	1
1133.9982	759.09706	389407.07	0.975162848	1135.5061	759.23584	1
1135.0977	815.98666	393180.82	0.984613166	1135.6659	815.91721	1
1137.3062	873.05518	393751.98	0.986043479	1135.7724	873.62463	1
1138.2802	931.79715	395755.64	0.991061094	1136.758	932.39998	1
1137.6803	991.25102	394303.08	0.987423558	1137.0952	990.51835	1
1137.1759	1048.799	393357.12	0.985054661	1136.9931	1048.2348	1
1136.5436	1105.7559	390784.93	0.978613319	1137.0705	1105.6199	1
1136.9355	1163.8563	391556.17	0.980544677	1136.7536	1163.1539	1
1136.0343	1220.3875	393386.59	0.985128461	1137.1573	1221.1276	1
1138.4041	1279.6533	392867.98	0.983829745	1138.4616	1279.4788	1
1139.6605	1338.384	389539.48	0.975494432	1140.1939	1337.8245	1
1141.8249	1396.7238	390060.35	0.976798808	1142.7185	1396.7854	1
1142.6567	1454.5224	395189.62	0.989643653	1143.7339	1454.7532	1
1142.6874	1512.0179	393615.63	0.985702028	1143.4946	1511.6251	1
1142.6565	1570.0436	394700.77	0.988419463	1143.5034	1569.6623	1
1141.9327	1626.9603	390371.57	0.977578173	1143.3002	1627.7849	1

1143.7674	1685.2595	392073.92	0.98184124	1144.317	1685.5669	1
1146.6609	1744.2258	390228.4	0.977219643	1146.6573	1744.0907	1
1150.2496	207.05897	388511.19	0.972919363	1150.8781	207.67018	1
1151.9609	265.96164	391581.45	0.980607984	1152.1446	265.61565	1
1154.6061	323.82808	390012.23	0.976678305	1153.277	323.2311	1
1154.5526	382.03275	390476.98	0.977842143	1154.2081	381.82529	1
1154.5488	439.96695	392630.17	0.983234215	1154.2344	439.96591	1
1154.4926	497.25072	391376.39	0.980094468	1154.0471	497.60825	1
1152.8016	555.53972	391708.55	0.980926271	1153.7865	555.85219	1
1154.791	614.42998	390835.59	0.978740183	1154.4038	614.09361	1
1155.9057	671.29834	392069.73	0.981830747	1155.3589	671.72199	1
1155.3276	730.51826	390687.53	0.978369408	1155.9724	730.0136	1
1156.9856	788.29472	393430.74	0.985239022	1156.3987	787.41767	1
1155.5706	844.29016	394076.32	0.9868557	1156.4048	844.34913	1
1154.9543	904.19295	390969.53	0.979075599	1157.0636	902.95393	1
1158.7621	961.34363	392522.75	0.982965211	1157.8188	961.49542	1
1157.9039	1018.8684	393458.09	0.985307513	1157.6793	1019.341	1
1157.8033	1077.2656	394420.38	0.987717303	1157.7184	1076.7865	1
1159.4159	1134.739	391566.75	0.980571172	1157.5649	1134.1761	1
1156.4937	1192.3317	390352.09	0.97752939	1157.453	1192.045	1
1160.6179	1250.8804	394298.64	0.987412439	1158.5962	1250.2522	1
1159.2551	1308.9939	394844.33	0.988778969	1160.0141	1308.4636	1
1163.0484	1366.4962	391087.2	0.979370271	1162.2307	1367.0864	1
1165.0965	1427.0513	392136.89	0.981998931	1164.097	1425.9608	1
1165.8219	1482.8317	393303.12	0.984919433	1164.3126	1483.0558	1
1166.3862	1540.1736	391217	0.979695319	1164.1438	1540.456	1
1164.2286	1599.4274	390156.05	0.977038462	1163.9821	1598.7079	1
1163.3038	1657.3892	390051.13	0.976775719	1164.2293	1656.4841	1
1166.0615	1714.7277	388554.13	0.973026894	1166.2461	1714.573	1
1168.9633	1773.1755	390235.19	0.977236647	1167.6582	1773.0182	1
1173.7388	237.43156	391580	0.980604353	1172.292	236.68936	1
1173.2143	294.3362	389322.86	0.974951967	1173.428	294.29002	1
1173.279	352.54859	390762.55	0.978557275	1174.5443	352.3623	1
1174.8295	410.86877	390273.16	0.977331732	1175.036	411.03342	1
1174.1328	469.19299	391968.28	0.981576694	1174.8476	468.71982	1
1174.2257	526.71602	392323.74	0.982466845	1174.5982	526.54383	1
1176.8466	584.83505	389773.5	0.976080471	1174.6818	585.00755	1
1175.6763	643.47967	391261.01	0.97980553	1175.6557	642.81882	1
1177.1842	700.44301	392418.68	0.982704596	1176.4325	700.6166	1
1178.795	759.21977	392221.67	0.982211239	1176.9993	758.72632	1
1177.3484	815.48956	390958.86	0.979048879	1177.1546	815.52555	1
1178.6382	873.13656	398999.04	0.999183297	1177.4088	873.38714	1
1177.7959	932.30347	392542.34	0.983014269	1178.2973	932.32187	1

1177.2559	990.2875	390723.41	0.978459259	1178.4507	990.47632	1
1178.521	1048.4009	391517.47	0.980447764	1178.3969	1048.0114	1
1177.527	1104.452	394242.95	0.987272979	1178.4669	1105.2364	1
1177.1343	1163.3385	392581.2	0.983111583	1178.1483	1162.9236	1
1179.1723	1221.0557	393694.22	0.985898835	1178.694	1221.0576	1
1179.822	1278.8715	392174.94	0.982094217	1180.1092	1279.2595	1
1182.0343	1338.5501	390948.83	0.979023762	1181.7606	1337.4716	1
1184.0688	1396.847	394915.79	0.988957921	1183.9272	1396.5749	1
1185.1882	1454.0199	393052.82	0.984292625	1184.9732	1454.631	1
1184.6987	1511.1273	391080.91	0.97935452	1184.9123	1511.4971	1
1183.6061	1569.5576	390557.82	0.978044585	1184.7712	1569.5272	1
1186.5471	1627.0917	392971.76	0.984089633	1184.5841	1627.5334	1
1186.7476	1685.2688	391952.83	0.981538003	1185.7269	1685.2839	1
1187.2173	1743.9823	394910.94	0.988945776	1187.858	1743.7322	1
1191.8069	207.50364	387912.41	0.971419883	1192.467	207.60543	1
1193.2568	265.39254	393829.32	0.986237156	1193.6016	265.49854	1
1195.3394	322.22402	393094.4	0.984396751	1194.6959	323.01859	1
1196.3069	381.48154	393818.19	0.986209284	1195.6313	381.72564	1
1196.8891	439.67516	392742.27	0.983514938	1195.6732	439.93132	1
1196.0278	498.08573	392127.9	0.981976418	1195.4662	497.40302	1
1194.3558	556.56027	391129.19	0.979475424	1195.293	555.63814	1
1195.9425	613.4741	394038.33	0.986760564	1195.8747	613.89813	1
1197.1042	671.67743	391634.01	0.980739606	1196.7825	671.4872	1
1197.2395	729.49461	387681.67	0.970842058	1197.4536	729.64132	1
1198.0107	786.25522	391784.94	0.981117569	1197.9486	787.06497	1
1196.9712	844.34033	395260.46	0.989821052	1197.9599	844.12426	1
1198.3634	903.54645	392373.91	0.982592482	1198.5621	902.81833	1
1199.1685	961.88754	391030.63	0.979228607	1199.1406	961.55294	1
1200.1849	1018.7863	390599.17	0.978148134	1199.1169	1019.3317	1
1200.7261	1076.2875	391527.48	0.980472831	1199.3645	1076.5026	1
1198.8172	1134.3317	391269.62	0.979827092	1199.2344	1133.8097	1
1199.6654	1191.3942	391270.08	0.979828244	1199.0609	1191.8534	1
1199.9974	1250.5949	395457.84	0.990315336	1200.1718	1250.0497	1
1201.7948	1307.9694	390384.16	0.977609701	1201.6192	1308.1638	1
1203.9848	1366.3712	394434.4	0.987752412	1203.4287	1366.8162	1
1205.1587	1426.4699	392577.41	0.983102092	1205.1814	1425.7793	1
1205.0512	1483.0162	391556.3	0.980545003	1205.6333	1482.9182	1
1205.6834	1541.0002	391562.05	0.980559402	1205.6488	1540.2991	1
1204.3156	1599.2097	387883.02	0.971346284	1205.4031	1598.524	1
1203.8246	1656.8921	391856.84	0.981297623	1205.584	1656.2779	1
1208.458	1713.7288	389591.02	0.9756235	1207.4012	1714.348	1
1209.4792	1773.3613	393721.57	0.985967326	1208.901	1772.7921	1
1212.9293	237.11981	393216.72	0.984703068	1213.6708	236.58698	1

1213.8435	294.24335	390882.22	0.978856955	1214.8247	294.06175	1
1215.8931	352.54338	392410.75	0.982684738	1215.9521	352.14752	1
1215.2056	411.47638	389501.26	0.975398721	1216.425	410.94246	1
1215.8446	468.50604	391502.27	0.9804097	1216.2346	468.55581	1
1217.3038	525.47535	394039.86	0.986764396	1216.1429	526.23259	1
1215.1904	584.91134	392470.39	0.98283409	1216.2389	584.69439	1
1217.665	642.23856	391808.91	0.981177595	1217.0358	642.5444	1
1217.7386	699.75474	391600.58	0.98065589	1217.8234	700.41802	1
1216.6323	759.37683	392157.77	0.982051219	1218.4939	758.50331	1
1219.9631	815.08447	393118.53	0.984457178	1218.7487	815.40492	1
1219.0053	872.80632	393519.55	0.985461422	1218.8698	873.24394	1
1220.5684	932.67561	392641.81	0.983263364	1219.6069	932.31253	1
1219.3834	991.37451	389913.56	0.976431213	1219.8313	990.62381	1
1220.0227	1048.9437	389999.53	0.976646501	1220.1567	1047.9803	1
1220.1563	1103.9115	394561.11	0.988069723	1220.4004	1104.9854	1
1220.0226	1162.6675	390949.46	0.979025339	1219.9619	1162.6479	1
1220.1897	1220.9663	394205.21	0.987178469	1220.2425	1220.785	1
1222.1125	1278.5249	394204.43	0.987176516	1221.6145	1278.9538	1
1223.1292	1337.162	391957.42	0.981549498	1223.0876	1337.2621	1
1223.4941	1395.8849	395910.66	0.991449299	1224.9528	1396.3114	1
1226.4986	1455.2889	391170.99	0.9795801	1226.1269	1454.4058	1
1227.1068	1510.8598	391466.22	0.980319422	1226.4006	1511.314	1
1226.3287	1568.8917	393657.8	0.985807631	1226.4622	1569.2989	1
1226.439	1627.0708	391451.79	0.980283286	1226.0692	1627.3554	1
1227.2765	1685.6364	391348.08	0.980023573	1227.521	1685.5241	1
1227.1923	1744.3922	386404.5	0.967643738	1229.0188	1743.561	1
1233.8345	207.2653	389174.83	0.974581267	1233.768	207.50493	1
1236.9121	265.78397	390878.15	0.978846763	1234.9024	265.318	1
1235.4961	322.47454	391928.3	0.981476575	1236.0878	322.78753	1
1238.5309	381.70544	392249.03	0.982279755	1237.0276	381.53623	1
1237.6269	440.16449	395063.73	0.989328396	1236.9777	439.78044	1
1236.4653	497.23827	395081.94	0.989373998	1236.8689	497.16435	1
1237.7588	555.67559	393420.58	0.985213579	1236.8966	555.27606	1
1236.2621	614.0445	390271.56	0.977327725	1237.3157	613.51748	1
1236.9109	671.53798	388959.84	0.974042883	1238.1218	671.27089	1
1239.739	729.38164	392498.22	0.982903782	1238.8397	729.56578	1
1239.8636	786.68981	390778.32	0.978596766	1239.4824	787.02308	1
1238.6751	844.10277	393982.39	0.986620478	1239.4782	844.06921	1
1239.57	903.2016	394207.55	0.987184329	1239.8715	902.71186	1
1241.5992	961.22262	389237.92	0.974739258	1240.4743	961.63684	1
1240.1423	1019.2087	391067.7	0.979321439	1240.7726	1019.4733	1
1240.1943	1077.4039	391065.71	0.979316455	1241.3248	1076.4737	1
1242.6829	1134.3509	391695.38	0.980893291	1241.1789	1133.6575	1

1240.2289	1191.5822	390864.88	0.978813532	1240.6819	1191.5651	1
1240.575	1251.0701	391519.7	0.980453348	1241.5366	1249.664	1
1243.0136	1308.3831	396556.14	0.993065726	1243.0013	1307.9529	1
1244.1147	1366.3198	392757.65	0.983553453	1244.5887	1366.6406	1
1247.5907	1426.8977	395493.1	0.990403635	1246.3258	1425.4337	1
1246.1626	1482.2964	390626.33	0.978216149	1246.957	1482.6797	1
1247.2047	1540.6829	391047.02	0.979269651	1247.3595	1540.0363	1
1248.4298	1598.509	392193.67	0.982141121	1247.1147	1598.2813	1
1246.7121	1657.0926	394400.58	0.98766772	1246.9139	1656.2353	1
1248.7845	1713.5395	394120.36	0.986965986	1248.5739	1714.1965	1
1250.6827	1773.1639	392055.91	0.981796139	1250.3208	1772.6504	1
1254.8428	236.52861	390368.62	0.977570785	1254.8918	236.44265	1
1256.8443	293.32582	393999.44	0.986663175	1256.1631	293.89558	1
1256.6047	352.71716	390848.57	0.978772688	1257.3802	351.91841	1
1257.6261	410.63723	389181.15	0.974597093	1257.7645	410.72044	1
1257.5093	469.06903	391944.12	0.981516191	1257.528	468.39071	1
1257.9255	525.41763	390756.9	0.978543126	1257.615	526.00725	1
1258.3989	584.01573	394151.97	0.987045144	1257.7847	584.32248	1
1259.4555	642.51018	390682.55	0.978356937	1258.3839	642.21497	1
1258.8222	700.58787	392303.97	0.982417337	1259.1628	700.34286	1
1259.5067	759.28857	391193.86	0.979637372	1259.887	758.45437	1
1260.1274	815.77034	392882.18	0.983865305	1260.2727	815.38822	1
1261.7804	873.16788	392367.29	0.982575904	1260.2654	873.16676	1
1260.9144	932.35623	389173.6	0.974578186	1260.9292	932.22625	1
1260.5137	991.14371	390274.3	0.977334587	1261.3465	990.7007	1
1263.9829	1048.5257	393048.6	0.984282058	1261.8594	1048.0616	1
1262.4945	1104.7373	391506.16	0.980419441	1262.154	1104.9878	1
1261.6737	1162.8665	391210.07	0.979677965	1261.6189	1162.4962	1
1262.7236	1219.8362	399325.17	1	1261.5629	1220.4096	1
1263.4606	1278.4467	392687.11	0.983376805	1262.912	1278.639	1
1264.2408	1337.7916	393237.5	0.984755106	1264.4358	1337.1749	1
1267.1703	1396.1986	393317.04	0.984954292	1266.2472	1396.0089	1
1267.1617	1453.9279	392905.11	0.983922726	1267.411	1454.0472	1
1268.5869	1511.1651	392890.9	0.983887141	1267.9354	1511.0717	1
1266.7705	1569.2389	392022.58	0.981712673	1268.2125	1568.9903	1
1266.5045	1626.5165	389642.57	0.975752593	1267.4799	1627.2036	1
1268.5453	1684.4854	392207.96	0.982176906	1268.122	1685.0416	1
1269.9794	1744.4733	392388.72	0.98262957	1270.4237	1743.3782	1
1274.2663	206.73071	388538.87	0.97298868	1275.0426	207.35068	1
1275.7386	265.4517	391608.4	0.980675473	1276.2221	265.19823	1
1278.2693	321.72048	394719.55	0.988466492	1277.5197	322.64066	1
1278.831	381.3249	391971.01	0.98158353	1278.5132	381.22898	1
1277.665	439.16555	392791.79	0.983638948	1278.321	439.55128	1

1278.5892	496.90459	393256.69	0.984803162	1278.2784	497.08402	1
1277.2985	555.75698	391082.55	0.979358626	1278.4353	555.10392	1
1279.1506	612.58656	390014.7	0.97668449	1278.7433	613.20553	1
1280.3234	670.81532	388668.04	0.973312151	1279.426	671.06473	1
1280.4537	729.59202	393155.84	0.984550611	1280.18	729.45798	1
1281.2414	786.8031	394003.72	0.986673893	1280.8881	786.8899	1
1281.1728	844.57973	392980.74	0.984112121	1280.963	843.99398	1
1279.4667	902.66708	394618.41	0.988213215	1281.2459	902.61412	1
1281.7857	962.07291	393131.02	0.984488456	1281.9342	961.52521	1
1282.3036	1019.4693	390347.78	0.977518597	1282.2403	1019.469	1
1282.4657	1076.0026	393642.18	0.985768515	1282.6495	1076.4857	1
1283.4303	1134.0706	391816.71	0.981197128	1282.6421	1133.6309	1
1280.8814	1191.5801	392653.13	0.983291712	1282.0462	1191.3394	1
1283.2301	1248.9665	393839.54	0.986262749	1282.7405	1249.3256	1
1284.3206	1307.8899	392239.64	0.98225624	1284.3779	1307.8168	1
1286.4974	1365.5917	390671.18	0.978328463	1286.1157	1366.4962	1
1287.0924	1424.885	394396.12	0.987656551	1287.7246	1425.0646	1
1287.3377	1482.5337	392445.77	0.982772436	1288.3459	1482.4192	1
1289.7599	1539.9169	392660.07	0.983309091	1288.9496	1539.7671	1
1289.5801	1598.8324	392643.02	0.983266394	1288.5419	1598.0455	1
1287.741	1656.6401	391148.13	0.979522854	1288.0025	1656.1299	1
1290.3377	1713.8459	389637.08	0.975738845	1289.9465	1714.0959	1
1290.827	1772.5215	394481.57	0.987870537	1291.796	1772.424	1
1296.6147	236.67812	391464.42	0.980314915	1296.3125	236.2735	1
1296.2692	294.18573	391509.42	0.980427605	1297.6326	293.82044	1
1298.6436	352.61072	391653.66	0.980788814	1298.9534	351.66291	1
1298.6323	410.45944	389520.75	0.975447528	1299.3007	410.37025	1
1299.3859	468.69082	394157.96	0.987060144	1299.0241	468.25664	1
1298.7229	525.49395	391686.43	0.980870878	1299.1555	526.02336	1
1299.7274	583.83759	394847.4	0.988786657	1299.2843	584.20987	1
1298.3743	642.73778	391180.5	0.979603915	1299.6751	641.9995	1
1300.732	700.57975	389302.88	0.974901933	1300.4538	700.12816	1
1301.2114	758.71239	391082.96	0.979359653	1301.2537	758.16557	1
1303.0484	815.0568	394467.36	0.987834952	1301.7385	815.17049	1
1301.7271	872.79635	389558.76	0.975542714	1301.7478	873.11082	1
1303.4382	931.65602	393533.34	0.985495956	1302.3911	932.08794	1
1303.269	990.70004	393127.3	0.98447914	1302.7622	990.52358	1
1302.5041	1048.4282	391509.3	0.980427304	1302.9228	1047.9485	1
1302.3613	1104.4006	394103.56	0.986923915	1303.2272	1104.9234	1
1302.875	1163.2033	392169.9	0.982081595	1303.0192	1162.4	1
1301.4005	1220.3125	392714.94	0.983446498	1302.8042	1220.2166	1
1304.4027	1278.5974	392013.53	0.98169001	1304.204	1278.468	1
1306.2007	1338.0712	393662.16	0.98581855	1306.0392	1337.0767	1

1307.3901	1396.2541	396486.37	0.992891007	1307.8449	1395.7619	1
1310.1088	1453.6257	391803.2	0.981163296	1308.7654	1453.7826	1
1309.5563	1510.7504	389524.33	0.975456493	1309.3534	1510.8595	1
1309.7374	1567.7351	390451.54	0.9777778436	1309.5615	1568.7529	1
1309.0344	1627.5153	391366.4	0.980069451	1308.4977	1627.1384	1
1309.4226	1684.5182	392705.4	0.983422608	1309.2337	1685.0767	1
1312.3046	1742.8684	392734.12	0.983494529	1311.8932	1743.2726	1
1316.4482	206.85499	392216.74	0.982198893	1316.601	207.0835	1
1318.8571	265.85229	392834.19	0.983745127	1317.8177	265.07459	1
1319.2106	322.42567	391511.51	0.980432839	1319.133	322.48927	1
1320.8957	380.81619	390139.18	0.976996216	1320.1685	380.88035	1
1321.1093	439.73686	392362.42	0.982563709	1319.9361	439.27689	1
1319.7708	497.58527	390651.25	0.978278554	1319.9061	497.02893	1
1319.8469	556.09426	391292.23	0.979883712	1319.9739	555.14777	1
1321.2777	613.40542	390477.5	0.977843445	1320.0793	613.15292	1
1320.7503	670.3025	390578.94	0.978097474	1320.6559	670.85926	1
1322.7236	729.22239	393665.25	0.985826288	1321.5506	729.06744	1
1321.1959	785.94249	393953.57	0.986548306	1322.3548	786.49781	1
1322.1799	843.87056	392243.87	0.982266833	1322.5353	843.81866	1
1322.981	903.03094	395362.06	0.990075482	1322.7414	902.59696	1
1322.8902	961.34715	391935.9	0.981495607	1323.3849	961.28798	1
1323.7563	1018.8685	392334.67	0.982494216	1323.3388	1019.2049	1
1323.4145	1077.1816	391843.65	0.981264592	1323.4754	1076.2818	1
1324.5004	1133.5193	394322.59	0.987472415	1323.9079	1133.5304	1
1324.1214	1190.8391	394894.88	0.988905558	1323.4901	1191.2686	1
1325.1065	1250.0632	395165.55	0.989583376	1324.0405	1249.28	1
1325.2392	1307.8736	390995.89	0.97914161	1325.867	1307.7087	1
1328.6176	1365.9704	392291.12	0.982385157	1327.8221	1366.3336	1
1330.6175	1425.3458	393604.27	0.98567358	1329.1531	1424.8849	1
1329.391	1482.6082	392628.37	0.983229707	1329.6475	1482.2511	1
1329.485	1540.4776	391931.69	0.981485064	1330.2214	1539.5907	1
1329.5308	1597.7385	389504.1	0.975405833	1329.5331	1597.9218	1
1327.4511	1656.8169	391079.79	0.979351715	1328.9071	1656.1713	1
1331.5549	1714.1176	392613.7	0.98319297	1331.2974	1714.1496	1
1334.2105	1772.5379	393618.39	0.98570894	1333.0589	1772.3412	1
1338.2015	236.76619	389726.84	0.975963624	1338.0172	236.03321	1
1339.1795	293.66811	393233.82	0.98474589	1339.3092	293.68113	1
1340.8903	351.69255	390728.43	0.97847183	1340.5982	351.42535	1
1339.7503	409.3725	389625.72	0.975710397	1340.9137	410.09481	1
1339.8885	468.36	394651.95	0.988297207	1340.6648	468.03795	1
1342.4496	526.29157	391277.88	0.979847777	1340.741	525.93545	1
1341.0967	584.3368	391480.71	0.980355709	1340.6685	584.23616	1
1341.1622	641.86822	390301.85	0.977403578	1340.9251	641.96502	1

1341.8045	699.40784	391509.48	0.980427755	1341.8038	699.7883	1
1341.3308	758.29986	395650.64	0.990798151	1342.8009	757.71707	1
1343.206	814.91534	392461.34	0.982811427	1343.3952	814.84337	1
1344.373	873.09449	391228.23	0.979723442	1343.2983	873.06128	1
1344.0332	931.43185	393090.89	0.984387961	1343.8435	931.96957	1
1343.4578	990.96647	391821.2	0.981208372	1344.0355	990.17905	1
1344.6668	1047.8251	393890.71	0.98639089	1343.7891	1047.6166	1
1343.6716	1104.2094	395089.79	0.989393656	1344.3211	1104.7332	1
1344.9456	1162.9552	390966.56	0.979068161	1344.628	1162.3223	1
1345.1179	1219.5259	392904.67	0.983921625	1344.2927	1220.2867	1
1345.8489	1277.5237	392079.53	0.981855289	1345.6364	1278.4742	1
1347.2689	1337.9998	391701.96	0.980909768	1347.6211	1336.9002	1
1346.6423	1395.741	390513.5	0.977933597	1349.3673	1395.6738	1
1349.0282	1454.0394	391340.26	0.98000399	1350.0607	1453.6993	1
1350.9997	1509.9642	390909.1	0.978924269	1350.5717	1510.7146	1
1350.3855	1568.9616	392590.58	0.983135073	1350.6167	1568.6425	1
1349.7783	1627.0757	392114.28	0.98194231	1349.4493	1627.0689	1
1351.527	1685.7326	391844.83	0.981267547	1350.3322	1685.1288	1
1352.5031	1743.7683	390835.85	0.978740834	1353.2412	1743.3099	1
1358.601	206.97308	391378.66	0.980100152	1358.3053	206.79973	1
1359.6549	264.71632	388973.96	0.974078243	1359.5034	264.88482	1
1360.2765	321.774	389509.19	0.975418579	1360.7652	322.28956	1
1363.3812	380.92495	391337.76	0.97999773	1361.6755	380.72622	1
1362.8386	439.15156	395997.45	0.991666641	1361.4485	439.08277	1
1361.6605	496.1961	391036.84	0.979244158	1361.4508	496.7317	1
1360.977	555.11775	392746.04	0.983524379	1361.3966	554.98497	1
1360.8585	613.29724	392012.09	0.981686404	1361.4085	613.17502	1
1360.953	670.84228	389608.59	0.975667499	1362.0371	670.74432	1
1363.8217	729.44117	389771.93	0.976076539	1363.1414	728.70377	1
1365.2171	786.6334	394485.83	0.987881205	1364.1133	786.18079	1
1362.7251	843.7002	393310.54	0.984938014	1364.1946	843.61797	1
1363.6377	903.63868	391264.42	0.97981407	1364.1651	902.53207	1
1366.5475	960.93738	388318.24	0.972436173	1364.7722	961.00407	1
1364.0523	1019.2935	391991.6	0.981635092	1364.4571	1018.798	1
1363.8406	1076.218	393489.35	0.985385795	1364.5467	1075.9956	1
1366.2363	1134.0177	396097.98	0.991918391	1365.4272	1133.3925	1
1363.4837	1191.2474	390669.67	0.978324682	1365.2352	1191.3034	1
1363.7911	1250.2711	390361.53	0.97755303	1365.59	1249.3991	1
1368.0638	1307.9658	393384.27	0.985122651	1367.3089	1307.5853	1
1369.8217	1366.1937	394085.07	0.986877612	1369.2888	1366.2361	1
1370.3147	1425.3267	393781.2	0.986116653	1370.525	1424.9044	1
1369.9697	1482.4062	387863.22	0.9712967	1370.8639	1482.1376	1
1372.4071	1539.975	392351	0.98253511	1371.3677	1539.4741	1

1371.1668	1597.9082	389772.23	0.976077291	1370.625	1597.806	1
1370.0539	1656.3388	391595.42	0.980642968	1370.1169	1656.0577	1
1372.8253	1713.7643	391784.72	0.981117018	1372.7042	1714.1373	1
1373.6927	1773.1942	394455.99	0.987806479	1374.3082	1772.3373	1
1379.7677	235.44559	393630.07	0.985738189	1379.6354	235.82937	1
1381.6416	293.95545	392864.23	0.983820354	1380.8686	293.48423	1
1381.2154	352.49411	391691.8	0.980884325	1382.0661	351.30516	1
1381.215	409.41419	391857.44	0.981299125	1382.2689	410.05626	1
1382.2697	467.43693	393195.36	0.984649578	1382.0655	467.78388	1
1381.9877	525.70201	390414.04	0.977684527	1382.1812	525.5227	1
1382.0543	583.78682	390556.95	0.978042406	1382.057	584.08101	1
1383.641	642.80587	392339.61	0.982506587	1382.4189	641.96662	1
1383.8736	698.82924	392301.42	0.982410951	1383.4162	699.62008	1
1384.6649	757.01036	395681.81	0.990876207	1384.5856	757.53931	1
1386.8177	814.15663	395306.55	0.989936472	1385.1396	814.66107	1
1384.8038	873.61533	392645.24	0.983271954	1384.7558	872.88754	1
1385.9326	931.59016	393724.86	0.985975565	1385.224	931.75045	1
1384.6136	989.58568	395372.07	0.990100549	1385.4241	989.7926	1
1385.2949	1047.5823	394275.35	0.987354115	1385.0333	1047.2591	1
1385.5908	1104.2456	393970.31	0.986590227	1385.7383	1104.524	1
1387.1359	1162.3842	391724.05	0.980965087	1386.3358	1162.2709	1
1386.5527	1221.0178	389724.95	0.975958891	1385.9917	1220.3547	1
1387.8268	1278.349	396307.6	0.992443326	1387.1257	1278.4317	1
1388.8514	1336.5767	391614.17	0.980689922	1388.961	1336.7647	1
1391.9285	1395.3669	388802.26	0.973648268	1390.7504	1395.7253	1
1392.3512	1453.7168	391962.71	0.981562745	1391.3635	1453.6532	1
1392.2438	1510.5296	391748.89	0.981027292	1391.7578	1510.5544	1
1391.0257	1568.4082	393033.87	0.98424517	1391.8836	1568.5032	1
1389.5207	1626.5072	393436.92	0.985254498	1390.8843	1626.8612	1
1390.9985	1685.5673	392589	0.983131116	1391.8293	1684.9464	1
1394.6708	1743.4364	389115.75	0.974433317	1394.7733	1743.1605	1
1399.6147	206.34077	390812.45	0.978682235	1399.9077	206.6629	1
1401.2421	265.67636	389064.66	0.974305376	1400.9132	264.723	1
1402.3749	320.6534	393475.32	0.98535066	1402.1828	322.1325	1
1402.9892	381.59016	392745.18	0.983522226	1402.995	380.73288	1
1401.1794	439.62252	391924.84	0.98146791	1402.7321	439.02276	1
1402.3888	496.32875	391298.96	0.979900566	1402.84	496.33839	1
1402.1189	554.94205	390831.07	0.978728864	1402.8612	554.60573	1
1403.327	613.0628	392434.71	0.982744739	1402.9884	613.06857	1
1403.5668	670.95081	394214.68	0.987202184	1403.7164	670.69283	1
1404.8611	729.10289	391505.85	0.980418665	1404.8705	728.65437	1
1404.296	786.91279	390918.8	0.97894856	1405.824	786.18233	1
1406.0376	842.72242	393531.49	0.985491323	1405.6649	843.44405	1

1403.5318	902.7013	391467.39	0.980322352	1405.5536	902.22659	1
1405.9404	960.88049	390365.46	0.977562872	1406.274	960.67853	1
1406.9305	1018.1924	394591	0.988144574	1405.9768	1018.4479	1
1405.7795	1076.4306	393017.67	0.984204602	1406.0054	1075.7338	1
1407.8523	1133.2412	396434	0.99275986	1406.9274	1133.2776	1
1406.8702	1190.6238	391556.47	0.980545429	1406.869	1191.2715	1
1407.6606	1250.819	392685.65	0.983373149	1407.1737	1249.3162	1
1407.7485	1306.6964	395089.45	0.989392805	1408.6818	1307.4459	1
1410.3967	1366.2446	390681.48	0.978354257	1410.6061	1366.224	1
1411.9422	1425.5146	388247.23	0.972258348	1411.9011	1424.8914	1
1411.5248	1481.2944	392518.08	0.982953516	1412.0859	1481.9682	1
1411.8871	1540.0111	390994.27	0.979137553	1412.725	1539.2735	1
1413.5932	1597.7701	394333.9	0.987500738	1412.215	1597.5916	1
1412.8204	1656.5613	394227.3	0.987233787	1411.7857	1655.7842	1
1414.9769	1713.3561	390572.29	0.978080821	1414.4012	1713.847	1
1416.7899	1772.2046	391662.27	0.980810376	1415.9147	1772.0197	1
1421.1605	235.65977	389954.49	0.976533711	1421.005	235.70944	1
1421.5187	293.33436	391092.52	0.979383594	1422.1467	293.31855	1
1424.0817	351.05991	392477.54	0.982851995	1423.3989	351.23654	1
1424.7175	410.03763	392490.42	0.982884249	1423.5469	410.05491	1
1424.2711	468.09397	391060.44	0.979303258	1423.3978	467.58188	1
1424.2564	525.73639	390760.35	0.978551765	1423.7129	525.12088	1
1423.8146	583.02016	392172.29	0.98208758	1423.7018	583.82196	1
1423.731	642.32285	390429.28	0.977722692	1424.1477	641.83887	1
1425.4993	698.92557	391193.82	0.979637272	1425.1257	699.56739	1
1425.8293	758.12384	395031.48	0.989247635	1426.1667	757.66662	1
1427.0666	815.39722	390975.85	0.979091426	1426.5219	814.66593	1
1425.8742	871.88528	394997.16	0.98916169	1426.1261	872.56368	1
1427.6798	931.42163	394179.57	0.987114261	1426.7474	931.35485	1
1427.0171	989.5729	391454.7	0.980290574	1427.1287	989.51367	1
1427.1913	1047.308	393648.75	0.985784968	1426.6677	1047.0254	1
1426.6073	1103.9756	395139.72	0.989518692	1427.1719	1104.3564	1
1426.4565	1163.5935	394183.1	0.987123101	1427.694	1162.2174	1
1428.2057	1219.3815	388448.87	0.9727633	1427.535	1220.185	1
1429.2831	1277.9091	394078.89	0.986862135	1428.6036	1278.2395	1
1430.3292	1338.2474	394323.5	0.987474694	1430.3132	1336.6693	1
1431.5406	1395.8634	392380.04	0.982607833	1432.121	1395.653	1
1433.6652	1454.0262	390475.24	0.977837786	1432.6783	1453.4754	1
1433.7466	1510.6738	391319.62	0.979952303	1433.0694	1510.3377	1
1434.1867	1568.7418	391403.06	0.980161256	1433.5414	1568.2668	1
1432.8688	1626.3469	390973.35	0.979085165	1432.6261	1626.615	1
1434.4513	1684.1438	390484.14	0.977860073	1433.5096	1684.6602	1
1435.8139	1742.8885	391940.52	0.981507176	1436.5092	1742.7294	1

1440.6275	207.1518	391863.31	0.981313825	1441.4325	206.57748	1
1442.8569	265.63857	389617.3	0.975689311	1442.1223	264.54004	1
1443.2084	322.04755	393180.78	0.984613066	1443.4631	321.97941	1
1445.2598	380.54778	391438.42	0.980249805	1444.3356	380.64074	1
1444.8454	439.05159	390987.64	0.97912095	1444.0652	438.87913	1
1445.6133	495.22907	388597.19	0.973134726	1444.3537	496.06326	1
1444.292	554.53185	392235.83	0.982246699	1444.5589	554.32223	1
1445.2708	613.42321	392471.62	0.98283717	1444.7081	612.83111	1
1445.7497	670.48584	392782.57	0.983615859	1445.4132	670.48704	1
1447.8273	728.67749	394925.52	0.988982287	1446.4228	728.69855	1
1448.3063	785.88699	393603.54	0.985671752	1447.0725	786.32472	1
1446.7878	843.0151	392646.32	0.983274658	1446.8914	843.30399	1
1447.183	902.3835	393659.86	0.98581279	1447.0401	901.76126	1
1447.856	960.8849	390918	0.978946556	1448.007	960.36955	1
1447.6171	1017.561	391651.64	0.980783756	1447.7817	1018.3179	1
1447.3821	1075.6179	392503.39	0.982916729	1447.5388	1075.5921	1
1449.9412	1133.6597	394196.93	0.987157734	1448.1688	1133.1969	1
1448.2124	1190.7539	393385.28	0.98512518	1448.1873	1191.1213	1
1447.7003	1249.3542	390632.1	0.978230598	1448.6841	1249.0511	1
1450.4881	1306.9888	393496.54	0.9854038	1450.1615	1307.2679	1
1452.5594	1365.4345	389218.16	0.974689775	1452.013	1366.0443	1
1453.7038	1425.3906	390599.21	0.978148234	1453.2784	1424.6165	1
1450.9766	1481.8911	388055.83	0.971779039	1453.3697	1481.7568	1
1455.0454	1538.2415	391128.36	0.979473345	1454.2883	1539.0592	1
1453.1477	1597.7426	391293.05	0.979885766	1453.981	1597.3764	1
1452.706	1655.5629	395328.2	0.989990689	1453.4073	1655.5717	1
1456.8676	1713.472	389342.43	0.975000975	1455.9564	1713.548	1
1458.2668	1771.1151	393654.28	0.985798817	1457.6171	1771.5626	1
1461.8396	235.17872	390304.33	0.977409789	1462.3588	235.52698	1
1464.0143	292.9196	391492.2	0.980384482	1463.4059	293.07898	1
1464.7793	351.36342	391359.44	0.980052021	1464.767	351.05003	1
1462.7629	409.61604	391272.35	0.979833928	1464.9362	409.80325	1
1463.0663	468.52087	391102.91	0.979409612	1464.8529	467.33697	1
1465.1013	525.10597	389063.77	0.974303147	1465.3305	524.94945	1
1466.3606	583.32445	388482.74	0.972848118	1465.3642	583.5808	1
1465.3804	642.05648	389325.18	0.974957777	1465.7459	641.50167	1
1465.7735	699.35463	395148.48	0.989540629	1466.694	699.37862	1
1465.3292	758.61472	391607.61	0.980673495	1467.4433	757.73371	1
1467.4888	814.41165	391749.67	0.981029245	1467.5941	814.64677	1
1468.6401	873.09927	391002.29	0.979157637	1467.4624	872.26274	1
1469.2152	929.59383	389388.4	0.975116094	1468.3944	930.95991	1
1467.8777	990.14456	393616.98	0.985705409	1468.9305	989.39678	1
1468.4944	1047.7648	389780.56	0.976098151	1468.3494	1046.9986	1

1468.1435	1103.2602	393344.5	0.985023058	1468.4997	1104.2698	1
1468.0555	1162.5561	392323.32	0.982465793	1468.8621	1162.0902	1
1468.1545	1220.0278	391273.67	0.979837234	1468.9453	1219.9222	1
1470.09	1277.6944	394999.96	0.989168702	1470.1557	1278.005	1
1471.826	1337.0199	391819.35	0.981203739	1471.8506	1336.3894	1
1473.7738	1395.0278	391061.48	0.979305862	1473.5417	1395.2237	1
1475.024	1453.2421	392128.43	0.981977745	1474.0159	1453.1576	1
1473.5035	1510.5247	390550.35	0.978025878	1474.5027	1510.2184	1
1475.0268	1568.035	394518.25	0.987962392	1475.1746	1568.1183	1
1474.865	1626.4388	391206.11	0.979668048	1474.2193	1626.4648	1
1474.8421	1685.4289	392846.76	0.983776605	1474.9153	1684.5174	1
1478.2831	1741.9933	390339.98	0.977499064	1477.9619	1742.456	1
1483.2567	206.20319	391762.12	0.981060423	1482.9559	206.45625	1
1482.9457	264.62809	389739.46	0.975995227	1483.5012	264.25985	1
1484.6403	321.36707	393831.75	0.986243241	1484.8745	321.71353	1
1486.7323	380.92679	393145.57	0.984524892	1485.7767	380.31881	1
1486.4106	438.48506	394723.87	0.98847731	1485.494	438.51754	1
1486.2932	495.40205	391841.57	0.981259383	1485.8128	495.95046	1
1485.0313	554.94158	389546.21	0.975511286	1486.0608	554.21164	1
1486.422	612.67428	392638.05	0.983253948	1486.1382	612.52775	1
1486.0488	669.49858	389568.74	0.975567706	1486.8769	670.11667	1
1489.0179	728.9693	388977.12	0.974086156	1487.8174	728.57806	1
1487.5069	786.715	391012.92	0.979184257	1488.1703	786.23024	1
1487.1029	843.78842	392523.41	0.982966864	1488.0613	843.17053	1
1487.6687	901.23618	389592.14	0.975626305	1488.4907	901.4692	1
1490.4526	960.39803	394089.1	0.986887704	1489.6593	960.18379	1
1490.6423	1018.3657	393244.14	0.984771734	1489.4707	1018.3221	1
1489.4788	1075.8599	394342.63	0.9875226	1489.0192	1075.5698	1
1489.1198	1133.8069	393224.65	0.984722926	1489.4107	1133.0491	1
1490.2603	1191.0018	392467.84	0.982827704	1489.4473	1190.8547	1
1491.6752	1249.6217	392738.09	0.983504471	1490.1555	1248.812	1
1492.2954	1307.2018	388937.63	0.973987265	1491.7797	1306.9797	1
1492.8107	1365.0195	388325.41	0.972454128	1493.5263	1365.4987	1
1494.6734	1423.4341	387252.04	0.969766168	1494.6537	1424.1124	1
1495.0277	1481.6747	391629.13	0.980727386	1494.8067	1481.6247	1
1496.7532	1539.3595	390779.11	0.978598744	1495.7461	1539.0648	1
1496.3971	1597.6097	393267.86	0.984831134	1495.4921	1597.2994	1
1494.4116	1655.852	394744.51	0.988528998	1494.8348	1655.4803	1
1496.5824	1713.549	391786.29	0.98112095	1497.1711	1713.4605	1
1499.7405	1771.0037	393127.54	0.984479741	1499.0509	1771.4467	1
1503.1494	234.83067	393499.1	0.985410211	1503.8851	235.36461	1
1504.296	292.84324	393265.12	0.984824272	1504.9357	292.76961	1
1505.8991	351.46995	389624.72	0.975707892	1506.2673	350.74482	1

1506.7352	408.29187	388700.17	0.973392611	1506.3856	409.37725	1
1506.1978	466.52919	390112.01	0.976928176	1506.2107	467.13085	1
1507.8463	525.02675	391736.28	0.980995713	1506.6199	524.98766	1
1506.6637	583.20038	390996.93	0.979144215	1506.6264	583.43907	1
1507.2649	640.8064	389567.85	0.975565477	1507.0074	641.16802	1
1509.4915	699.28167	392942.33	0.984015934	1508.0573	699.13613	1
1509.1059	758.04996	395888.31	0.99139333	1508.6884	757.53385	1
1509.5396	813.61419	397711.35	0.995958632	1508.7401	814.46863	1
1509.0136	872.45293	392446.01	0.982773037	1508.7308	872.15963	1
1509.4665	930.52285	394246.18	0.987281067	1509.8263	930.84142	1
1510.1186	989.26776	393055.24	0.984298686	1510.441	989.32994	1
1509.688	1047.271	391726.81	0.980971998	1509.8638	1046.9903	1
1509.5431	1103.0764	394527.26	0.987984955	1509.9096	1104.147	1
1510.8273	1162.5875	392963.68	0.984069399	1510.1256	1161.7617	1
1509.8279	1219.0915	390144.31	0.977009063	1510.2446	1219.6371	1
1511.5814	1277.6831	392726.29	0.983474921	1511.652	1277.799	1
1511.8795	1336.9637	388076.63	0.971831127	1513.4253	1335.9276	1
1514.879	1395.6324	392419.18	0.982705848	1514.9248	1394.6016	1
1514.8893	1453.0086	389153.81	0.974528628	1515.4594	1452.8532	1
1516.6213	1509.6217	391617.68	0.980698712	1515.9991	1510.2908	1
1516.7459	1567.9211	395531.66	0.990500198	1516.5211	1568.1793	1
1515.5328	1626.2487	392695.46	0.983397716	1515.6405	1626.4046	1
1516.7575	1684.0196	393397.98	0.985156984	1516.2938	1684.4465	1
1517.8565	1743.3411	388978.84	0.974090464	1519.202	1742.4694	1
1524.822	207.03151	391713.05	0.98093754	1524.4361	206.43839	1
1527.7192	264.47292	392752.62	0.983540857	1525.1345	264.05016	1
1526.8471	320.81805	392024.49	0.981717456	1526.4898	321.44656	1
1526.9694	380.52241	394379.62	0.987615231	1527.2494	379.9865	1
1526.1852	438.64223	393157.28	0.984554217	1526.8433	438.22675	1
1527.0497	496.78654	390219.82	0.977198157	1526.9909	495.9929	1
1526.875	554.41982	393502	0.985417473	1527.1935	554.2462	1
1526.689	613.14161	387691.93	0.970867752	1527.2964	612.37526	1
1528.4896	669.18995	389100.49	0.974395103	1528.0905	669.92123	1
1528.1635	728.64212	392064.73	0.981818226	1529.0783	728.40354	1
1528.8383	785.78112	392897.75	0.983904295	1529.3934	785.96402	1
1530.3984	843.41028	391703.25	0.980912999	1529.316	843.08026	1
1528.667	901.98905	390454.24	0.977785197	1529.759	901.51759	1
1531.012	959.77739	393858.54	0.986310329	1530.952	960.1514	1
1530.2352	1017.8249	393265.75	0.98482585	1530.8219	1018.217	1
1530.2171	1076.1745	390919.16	0.978949461	1530.4988	1075.4612	1
1531.5857	1133.5347	389432.41	0.975226305	1530.8402	1132.73	1
1529.9817	1189.6603	393765.1	0.986076335	1530.6785	1190.45	1
1531.1957	1250.1878	391642.06	0.980759765	1531.4179	1248.6309	1

1534.4026	1306.4198	391430.15	0.980229095	1533.2477	1306.7552	1
1535.7592	1364.2253	394221.44	0.987219113	1534.9037	1365.0211	1
1537.0241	1424.0894	391613.26	0.980687644	1536.0054	1423.6918	1
1535.3199	1482.0501	388779.67	0.973591697	1536.4342	1481.557	1
1536.5296	1539.4197	392213.24	0.982190128	1537.1284	1539.1907	1
1537.1567	1597.3443	391996.42	0.981647162	1536.8097	1597.3113	1
1536.2386	1655.9003	391203.52	0.979661563	1536.3516	1655.3873	1
1539.0652	1713.3641	391881.49	0.981359352	1538.4785	1713.3968	1
1540.1518	1772.0321	391927.46	0.981474471	1540.4507	1771.5038	1
1544.094	235.7352	389846.48	0.976263229	1545.4618	235.2988	1
1546.5369	292.22049	391283.69	0.979862326	1546.6468	292.57515	1
1548.7087	350.882	392216.29	0.982197766	1547.8104	350.5713	1
1548.052	408.25203	392050.54	0.981782691	1547.7666	409.13525	1
1548.0466	468.00454	389186	0.974609239	1547.3932	467.09923	1
1546.7887	524.4657	389803.81	0.976156374	1547.7021	525.09161	1
1548.7137	583.22516	390516.09	0.977940083	1547.804	583.43161	1
1547.8203	642.08647	392751.71	0.983538578	1548.2443	641.10226	1
1548.3827	699.1339	391338.83	0.980000409	1549.2494	699.07876	1
1550.5235	758.2958	392796.01	0.983649516	1549.9002	757.32973	1
1549.7471	814.39926	391482.96	0.980361343	1550.0753	814.29922	1
1550.2999	872.03538	394894.86	0.988905508	1550.0234	872.21461	1
1551.8482	931.10398	394939.51	0.989017321	1551.0229	930.95748	1
1551.5968	989.95675	390453.13	0.977782417	1551.6039	989.20398	1
1551.7747	1047.285	391975.67	0.9815952	1551.2043	1046.7828	1
1551.8498	1103.2714	393058.27	0.984306274	1551.4703	1103.896	1
1551.0657	1160.9161	391336.86	0.979995476	1551.506	1161.3218	1
1551.9653	1219.2781	391211.65	0.979681922	1551.425	1219.3657	1
1553.7751	1277.5091	394769.97	0.988592755	1552.926	1277.7256	1
1553.9307	1335.7011	390984.21	0.979112361	1554.7653	1335.7852	1
1555.8131	1394.0028	389467.25	0.975313552	1556.1733	1394.3123	1
1557.9306	1452.7335	391178.95	0.979600034	1557.0299	1452.6486	1
1558.1405	1509.8989	389163.31	0.974552418	1557.6271	1510.2691	1
1556.9152	1568.3099	394352.33	0.987546891	1557.8376	1568.2089	1
1557.036	1626.4107	392403.9	0.982667584	1557.113	1626.3158	1
1558.363	1684.2019	395366	0.990085348	1557.884	1684.2914	1
1560.984	1742.3195	392329.61	0.982481545	1560.5932	1742.4346	1
1566.2413	205.81771	391852.51	0.981286779	1565.8657	206.40743	1
1567.6648	264.68163	390803.34	0.978659422	1566.8016	263.9318	1
1566.9229	320.35923	392747.53	0.983528111	1568.1359	321.37126	1
1568.6244	380.11424	390393.02	0.977631888	1568.6473	379.89262	1
1567.6759	438.30601	388427.88	0.972710736	1568.1066	438.16669	1
1568.4884	495.88315	390559.92	0.978049843	1568.1149	496.0495	1
1567.9265	555.053	392626.04	0.983223872	1568.4136	554.2809	1

1568.939	612.11391	392991.51	0.984139091	1568.7121	612.35165	1
1569.5347	670.1706	391243.99	0.979762909	1569.406	669.94423	1
1571.0291	727.7623	392932.32	0.983990866	1570.2372	728.32019	1
1570.9314	785.09775	395029.39	0.989242401	1570.7195	785.80271	1
1569.7158	843.44911	392583.01	0.983116116	1570.7792	842.99897	1
1570.2311	902.18316	393368.47	0.985083084	1571.0713	901.66884	1
1573.1867	960.2652	391308.46	0.979924356	1572.0759	960.13493	1
1572.9291	1017.3548	390433	0.977732007	1571.9686	1017.9429	1
1571.2365	1074.9012	390495.83	0.977889348	1571.9968	1075.1812	1
1572.6357	1132.9983	395856.13	0.991312744	1572.4182	1132.3856	1
1573.2185	1190.4113	392483.94	0.982868022	1572.0045	1190.1031	1
1572.1595	1248.2977	393624.66	0.985724641	1572.6621	1248.537	1
1574.2007	1306.8135	393868.22	0.98633457	1574.5616	1306.8045	1
1575.6434	1365.0158	394728.35	0.988488529	1576.132	1365.039	1
1577.4981	1423.9055	392052.03	0.981786422	1577.4072	1423.585	1
1577.5517	1482.2901	390362.87	0.977556386	1578.1882	1481.363	1
1579.7539	1539.5589	393275.41	0.984850041	1578.6321	1539.0629	1
1578.1664	1597.1787	389217.7	0.974688623	1578.2163	1597.1969	1
1577.7521	1656.1128	391880.34	0.981356472	1577.9791	1655.2099	1
1580.3064	1712.8011	393033.05	0.984243117	1580.0553	1713.2304	1
1583.2724	1771.5914	390707.71	0.978419943	1581.9312	1771.3518	1
1586.1053	235.16444	390970	0.979076776	1586.9698	235.13919	1
1587.9237	292.84392	391392.91	0.980135838	1588.3046	292.51052	1
1590.4383	352.39929	392707.18	0.983427065	1589.2625	350.5773	1
1589.1669	408.99709	393075.06	0.984348319	1589.0881	409.11781	1
1587.8036	467.91207	391914.39	0.981441741	1588.6508	467.09319	1
1590.2486	524.96119	394925.02	0.988981035	1588.9868	525.049	1
1588.799	583.18156	390352.66	0.977530818	1589.3258	583.36481	1
1590.4485	641.36102	392328.31	0.98247829	1589.809	641.06814	1
1590.9167	699.10918	392462.1	0.98281333	1590.5519	699.01996	1
1590.6084	758.51764	392026.76	0.981723141	1591.1813	757.20728	1
1592.715	814.1561	392110.38	0.981932544	1591.6423	814.16435	1
1592.5213	872.64474	389553.75	0.975530168	1591.5654	872.17973	1
1592.2427	930.34223	396039.75	0.99177257	1592.3201	931.0121	1
1591.0187	989.27911	393723.44	0.985972009	1592.7349	989.00284	1
1592.2516	1046.8138	394271.5	0.987344474	1592.5295	1046.4408	1
1593.2081	1103.6517	392879.52	0.983858643	1593.0595	1103.5952	1
1592.7457	1160.5031	390548.73	0.978021821	1593.056	1161.019	1
1591.84	1219.1939	394812.92	0.988700312	1592.8509	1219.1798	1
1594.275	1278.4341	392468.32	0.982828906	1594.3319	1277.7326	1
1597.153	1336.7204	395806.98	0.991189661	1596.0737	1335.9437	1
1598.4038	1394.5413	392635.85	0.983248439	1597.5142	1394.4434	1
1598.3096	1452.3702	388936.12	0.973983483	1598.6853	1452.5455	1

1598.7049	1509.2983	389973.17	0.97658049	1599.2664	1509.9435	1
1599.5982	1567.8298	395732.9	0.991004148	1599.2901	1567.9573	1
1599.9194	1625.6728	390865.9	0.978816086	1598.675	1626.1104	1
1599.1846	1683.6521	390979.11	0.979099589	1599.5663	1684.0634	1
1600.5193	1743.0173	389586.21	0.975611455	1602.1649	1742.2718	1
1606.4392	206.43316	390711.47	0.978429359	1607.3029	206.12412	1
1609.7095	263.92973	391039.19	0.979250043	1608.317	263.78856	1
1609.9338	320.68215	393142.58	0.984517405	1609.6079	321.36169	1
1609.4624	379.98905	391284.51	0.97986438	1609.9812	379.90429	1
1611.0468	437.285	390570.28	0.978075787	1609.5248	438.15417	1
1609.5689	495.56228	389395.18	0.975133073	1609.5306	495.90312	1
1609.3035	554.64808	390258.92	0.977296072	1609.9605	554.09383	1
1611.0395	612.60168	393113.69	0.984445058	1610.3616	612.20024	1
1610.2611	669.28335	392384.59	0.982619227	1610.941	669.80455	1
1612.6406	728.34679	389679.37	0.975844748	1611.6231	728.12969	1
1611.4201	785.40314	392983.88	0.984119984	1612.2796	785.69045	1
1613.3647	842.5708	391292.44	0.979884238	1612.5094	842.80051	1
1611.9174	902.30347	393016.84	0.984202523	1612.6252	901.60507	1
1614.6064	960.0937	392473.99	0.982843105	1613.4003	960.02385	1
1613.6995	1017.3312	392424.12	0.982718219	1613.2401	1017.657	1
1614.477	1075.4193	393105.24	0.984423897	1613.4561	1074.8464	1
1615.4817	1132.5717	392500.3	0.982908991	1614.0104	1132.1302	1
1613.051	1190.047	393905.13	0.986427001	1613.629	1189.8831	1
1615.5166	1249.517	393769.52	0.986087403	1614.2732	1248.3963	1
1615.4309	1307.0818	394199.13	0.987163243	1616.0303	1306.8273	1
1617.6673	1364.5193	391113.25	0.979435506	1617.5323	1365.2221	1
1618.0543	1423.9935	392502.39	0.982914225	1619.0173	1423.7242	1
1621.0304	1480.5289	392473.69	0.982842354	1619.7716	1481.0983	1
1619.6869	1539.8948	391452	0.980283812	1620.0704	1538.66	1
1619.3692	1597.1692	391137.76	0.979496885	1619.753	1596.9018	1
1618.6141	1655.4598	390429.04	0.97772209	1619.5954	1654.9547	1
1622.308	1712.9069	391596.89	0.980646649	1621.7888	1713.031	1
1623.5867	1771.4222	394601.4	0.988170618	1623.396	1771.1461	1
1628.375	235.25297	389322.04	0.974949914	1628.3326	234.8471	1
1629.2175	292.41728	391270.47	0.97982922	1629.6525	292.43638	1
1630.7456	350.92675	392752.68	0.983541007	1630.5612	350.52742	1
1629.3056	408.76289	390563.91	0.978059835	1630.5667	409.10797	1
1630.4179	467.21366	393662.58	0.985819602	1630.251	466.95131	1
1629.7912	524.34671	389377.48	0.975088748	1630.5831	524.72297	1
1631.3492	583.27021	391258.53	0.97979932	1630.9163	583.10107	1
1630.9935	641.0817	393737.55	0.986007343	1631.3605	640.84509	1
1632.6572	699.18858	393714.78	0.985950322	1632.0885	698.73494	1
1631.9613	757.35324	393314.72	0.984948482	1632.8095	757.01997	1

1633.4363	814.17569	393670.46	0.985839335	1633.3707	814.00636	1
1633.8384	871.07566	393210.31	0.984687016	1633.28	871.91384	1
1634.3916	930.87186	391855.95	0.981295394	1633.8909	930.87575	1
1633.7505	988.96721	392508.72	0.982930077	1634.1757	988.82241	1
1634.2517	1047.0168	391369.46	0.980077114	1633.919	1046.1531	1
1633.4797	1102.6259	395558.08	0.99056636	1634.5314	1103.3143	1
1635.0477	1160.7834	392750.55	0.983535673	1634.6751	1160.8336	1
1636.0578	1218.5108	390576.39	0.978091088	1634.5721	1218.9428	1
1636.327	1276.7832	394806.81	0.988685011	1635.979	1277.528	1
1636.509	1337.2872	395110.24	0.989444868	1637.5545	1335.9066	1
1637.6208	1394.7771	389465.2	0.975308418	1639.1842	1394.5956	1
1641.5463	1452.7233	391245.83	0.979767516	1640.2635	1452.5485	1
1641.7843	1509.4637	389907.57	0.976416212	1640.5522	1509.5803	1
1641.0838	1567.0054	392492.18	0.982888657	1640.7361	1567.5818	1
1640.0583	1625.921	391809.12	0.981178121	1640.271	1625.8231	1
1643.0871	1683.7505	393195.54	0.984650028	1641.205	1683.7818	1
1643.8601	1742.7081	391630.61	0.980731092	1643.7371	1742.1086	1
1647.9665	205.44735	391071.36	0.979330604	1648.5913	205.73319	1
1649.9501	264.29994	392297.44	0.982400984	1649.487	263.64043	1
1651.5906	321.29408	392686.59	0.983375503	1650.7324	321.24397	1
1651.2788	379.77181	392366.99	0.982575153	1651.3904	379.82463	1
1650.9686	438.45288	390956.88	0.979043921	1651.2345	438.08403	1
1651.2807	495.6045	392574.39	0.983094529	1651.2259	495.59472	1
1652.0128	554.31214	394041.57	0.986768678	1651.5177	553.73142	1
1651.3668	612.11877	392175.4	0.982095369	1651.7637	611.94254	1
1653.0989	669.07811	391752.68	0.981036783	1652.4229	669.52824	1
1653.1165	727.78261	394198.02	0.987160464	1653.3203	727.84948	1
1655.3339	786.06058	395133.78	0.989503817	1654.0119	785.58323	1
1653.8623	842.76681	393162.66	0.98456769	1654.1671	842.55321	1
1653.8638	902.04156	394871.9	0.988848011	1654.2919	901.33301	1
1655.1573	959.63485	394226.93	0.987232861	1655.0614	959.86769	1
1655.3217	1017.4234	389975.51	0.976586349	1654.7512	1017.5045	1
1654.9147	1074.2594	391807.72	0.981174615	1654.8399	1074.6017	1
1654.8865	1132.7917	393025.16	0.984223359	1655.4718	1131.9497	1
1654.6415	1190.4715	393926.9	0.986481518	1655.2332	1189.6929	1
1654.8116	1248.6062	392849.69	0.983783942	1655.9207	1248.0739	1
1658.4954	1306.0671	393759.56	0.986062461	1657.5492	1306.5305	1
1660.2631	1364.4959	392313.24	0.982440551	1659.1756	1365.0924	1
1660.811	1425.7576	390213.59	0.977182555	1660.7551	1423.7817	1
1659.9096	1480.7641	388588.74	0.973113566	1660.9992	1480.9636	1
1660.8168	1538.1557	390763.22	0.978558952	1661.318	1538.3192	1
1662.9063	1596.6056	389940.24	0.976498025	1661.3254	1596.5929	1
1660.0982	1655.4009	388840.12	0.973743078	1661.118	1654.6375	1

1663.1057	1712.1726	390347.35	0.97751752	1663.3371	1712.7812	1
1664.6854	1771.4188	392119.97	0.981956559	1664.7918	1771.0651	1
1669.5451	234.62444	392350.52	0.982533908	1669.439	234.64191	1
1671.0454	292.44557	388904.69	0.973904775	1670.5762	292.34162	1
1671.2603	350.24342	393502.95	0.985419852	1671.714	350.33934	1
1672.6265	408.64291	393890.38	0.986390064	1672.2132	409.05048	1
1671.2921	467.27161	390891.03	0.978879017	1672.0223	466.78609	1
1672.9901	523.72204	391942.87	0.981513061	1672.1986	524.39589	1
1672.6649	582.45695	395170.57	0.989595948	1672.2376	582.83602	1
1673.3184	641.03724	391701.03	0.980907439	1672.6286	640.65883	1
1672.3069	698.19757	393915.1	0.986451968	1673.6544	698.49218	1
1674.7049	757.39066	391278.99	0.979850556	1674.5795	756.89622	1
1675.4215	814.05915	393096.56	0.98440216	1674.9301	813.92149	1
1675.2874	871.48172	389309.26	0.97491791	1674.8318	871.61133	1
1676.1403	930.70639	393213.23	0.984694328	1675.5897	930.65488	1
1676.2781	989.40983	389949.58	0.976521415	1675.8785	988.71632	1
1675.0713	1046.4861	391724.32	0.980965763	1675.3689	1046.0567	1
1677.1497	1102.8013	393905.76	0.986428579	1675.8956	1103.1849	1
1676.8666	1161.1678	396379.94	0.992624482	1676.0884	1160.7207	1
1675.9839	1218.0134	393330.96	0.984989151	1675.9993	1218.6836	1
1677.7195	1277.4982	396686.73	0.993392753	1677.3914	1277.1455	1
1679.3507	1336.311	396080.18	0.991873816	1679.0564	1335.5153	1
1682.1395	1393.8671	395257.76	0.989814291	1680.9874	1394.4123	1
1681.2305	1452.4583	392274.74	0.982344138	1681.6775	1452.5207	1
1680.9669	1508.9354	392160.02	0.982056854	1681.6882	1509.3939	1
1681.2895	1567.8487	395184.21	0.989630105	1682.1978	1567.3018	1
1682.1517	1625.4766	391012.59	0.979183431	1681.8166	1625.51	1
1682.7084	1683.5348	390218.29	0.977194325	1682.5574	1683.4439	1
1685.7193	1742.3316	388970.77	0.974070255	1685.0901	1741.94	1
1689.6929	205.62109	393721.43	0.985966975	1689.7044	205.53648	1
1690.6457	264.60297	387089.42	0.969358931	1690.4569	263.58464	1
1691.0958	319.93197	390799.51	0.978649831	1691.6209	321.07581	1
1693.4256	380.51148	391861.36	0.981308942	1692.7878	379.67417	1
1693.6657	438.4961	392071.91	0.981836206	1692.9397	438.02105	1
1693.1278	495.3085	395626.06	0.990736597	1692.9119	495.42186	1
1691.7614	554.34787	393167.44	0.98457966	1692.9239	553.52432	1
1691.9395	611.93467	393056.28	0.98430129	1692.9109	611.84575	1
1693.9765	669.60834	391148.45	0.979523655	1693.7286	669.43648	1
1696.0017	728.20308	392240.62	0.982258694	1694.9813	727.75686	1
1694.8469	785.80794	394885.36	0.988881718	1695.5928	785.56935	1
1695.3649	841.58235	391950.51	0.981532193	1695.5354	842.42298	1
1695.8123	901.6229	392879.44	0.983858443	1695.8287	901.05125	1
1696.6358	959.75307	388931.54	0.973972014	1696.7513	959.7028	1

1696.7505	1016.9609	390907.65	0.978920638	1696.344	1017.4882	1
1695.2691	1074.9612	391438.96	0.980251157	1696.2249	1074.6196	1
1697.1878	1131.2934	393885.57	0.986378019	1696.8092	1131.9277	1
1696.2727	1189.5887	392718.44	0.983455263	1696.4936	1189.567	1
1698.1989	1248.5576	392794.71	0.98364626	1697.0945	1247.7841	1
1698.6765	1306.0809	394908.98	0.988940867	1698.8383	1306.1117	1
1700.287	1364.5289	392007.53	0.981674984	1700.8186	1364.6704	1
1702.4985	1423.8667	396308.09	0.992444553	1702.3574	1423.5894	1
1702.9575	1481.3955	393101.36	0.984414181	1702.2444	1480.9139	1
1703.335	1538.2222	392107.97	0.981926509	1702.7198	1538.1057	1
1703.9014	1596.9615	392090.14	0.981881858	1702.885	1596.3196	1
1701.9715	1654.9976	390971.7	0.979081033	1702.4952	1654.3021	1
1704.4829	1712.0369	391617.25	0.980697635	1704.4891	1712.5064	1
1707.8895	1771.096	393119.96	0.984460759	1706.1487	1771.0524	1
1711.1177	234.09577	389333.62	0.974978913	1710.6126	234.61697	1
1710.2834	292.51371	393769.8	0.986088105	1711.584	292.28028	1
1711.8825	350.40929	392040.36	0.981757198	1712.8205	350.15255	1
1713.9654	408.74818	391358.46	0.980049567	1713.698	408.95946	1
1713.1012	466.69454	391751.49	0.981033803	1713.6709	466.72858	1
1713.8089	524.33998	391524.16	0.980464517	1713.7346	524.32604	1
1714.1686	582.97171	393002.82	0.984167414	1713.4873	582.7869	1
1714.6815	641.42946	388656.18	0.97328245	1713.7773	640.72772	1
1716.2592	697.7351	390488.29	0.977870466	1715.079	698.49488	1
1716.2447	757.53425	395237.74	0.989764156	1716.1251	756.89045	1
1716.7316	814.06644	393553.42	0.98554624	1716.2685	813.90938	1
1716.4479	871.07616	390097.28	0.976891289	1716.1819	871.43231	1
1717.0567	930.68797	391997.92	0.981650919	1717.0857	930.4232	1
1717.0604	989.2083	392342.62	0.982514125	1717.443	988.62185	1
1717.605	1047.0647	392351.07	0.982535286	1716.8308	1046.1533	1
1716.6979	1102.9572	393329.34	0.984985094	1717.2533	1103.3061	1
1716.7142	1161.7759	392409.15	0.982680731	1717.3691	1160.7085	1
1716.6105	1218.398	391810.88	0.981182529	1717.0895	1218.5345	1
1717.9677	1276.9103	394870.08	0.988843453	1718.461	1276.8696	1
1719.9571	1335.6161	392233.25	0.982240238	1720.4352	1335.1016	1
1722.2781	1393.7177	389889.44	0.976370811	1722.6132	1394.0656	1
1723.6373	1452.2509	391453.05	0.980286442	1723.1032	1452.3839	1
1723.6294	1508.736	390930.39	0.978977584	1723.1398	1509.286	1
1723.8625	1567.0293	394448.85	0.987788598	1723.7819	1567.0651	1
1723.3391	1624.4321	392060.42	0.981807433	1723.2853	1625.2238	1
1723.8119	1682.6173	391930.56	0.981482234	1723.7685	1683.1915	1
1724.6829	1741.997	387977.15	0.971582007	1726.3214	1741.796	1
1730.4731	206.00772	389951.44	0.976526073	1731.0549	205.55606	1
1733.0071	264.23892	390413.71	0.977683701	1731.8763	263.57343	1

1734.0386	320.51732	394254.94	0.987303004	1732.8312	320.99356	1
1735.2401	379.7455	392215.45	0.982195663	1734.0435	379.54964	1
1734.2886	438.73095	393036.5	0.984251757	1734.402	437.9616	1
1735.56	494.94651	393587.37	0.985631259	1734.5064	495.43661	1
1734.8661	553.44776	394582.43	0.988123113	1734.3571	553.53173	1
1734.9024	610.46839	391315.75	0.979942612	1734.1595	611.94061	1
1733.257	669.82425	391565.46	0.980567942	1735.007	669.53422	1
1736.5698	727.06574	391553.83	0.980538818	1736.4028	727.76458	1
1737.1855	785.89333	391474.16	0.980339306	1736.9578	785.54677	1
1735.9323	842.18841	391648.24	0.980775241	1736.8249	842.36373	1
1736.9697	901.35936	393121.26	0.984464015	1737.1854	900.84359	1
1739.8017	959.21151	390426.7	0.977716231	1738.1154	959.53045	1
1737.611	1017.1955	393842.36	0.986269811	1737.7773	1017.4781	1
1737.7549	1075.1672	393018.19	0.984205904	1737.6317	1074.7906	1
1739.8159	1132.8294	392420.62	0.982709455	1738.1771	1132.0312	1
1738.0745	1188.6104	394848.26	0.988788811	1737.7516	1189.4965	1
1738.0166	1248.1416	395357.81	0.990064839	1738.1787	1247.651	1
1740.858	1305.4938	393585.28	0.985626025	1740.0234	1305.8883	1
1741.7892	1364.1895	390683.29	0.97835879	1742.313	1364.3667	1
1744.3925	1423.6172	391949.18	0.981528863	1743.8319	1423.3176	1
1741.3676	1481.4524	391008.25	0.979172563	1743.7882	1480.8297	1
1745.0564	1538.2319	391704.65	0.980916505	1744.3691	1537.922	1
1743.7708	1596.2909	393786.61	0.986130201	1744.411	1596.1033	1
1742.8422	1654.6214	393907.47	0.986432861	1743.9072	1654.0923	1
1746.5832	1713.1428	390154.22	0.977033879	1745.6898	1712.3735	1
1747.1187	1771.0883	389652.08	0.975776408	1747.6332	1771.0323	1
1751.4079	235.20385	393551.94	0.985542534	1752.3637	234.64988	1
1753.6514	292.31437	391965.15	0.981568855	1753.2572	292.20663	1
1753.359	350.22648	389301.94	0.974899579	1754.1607	350.12382	1
1754.2813	408.18599	392113.59	0.981940582	1754.9744	408.86483	1
1753.9009	467.32954	391677.48	0.980848465	1755.1968	466.7089	1
1755.2949	524.74968	393950.31	0.986540142	1755.2888	524.35953	1
1754.3079	582.52994	391584.66	0.980616023	1754.9503	582.82026	1
1755.5267	641.29435	388968.68	0.974065021	1755.1529	640.78084	1
1756.9471	698.82787	394191.94	0.987145238	1756.4622	698.46774	1
1757.4175	757.53827	390657.14	0.978293304	1757.4618	756.81181	1
1757.5278	813.76406	395359.04	0.990067919	1757.5941	813.82654	1
1758.4131	871.4662	387520.16	0.970437601	1757.5588	871.30765	1
1758.3586	929.71964	392389.74	0.982632124	1758.3443	930.22282	1
1757.821	988.22987	389422.9	0.97520249	1758.7217	988.51161	1
1758.0273	1046.7978	390837.85	0.978745843	1758.2268	1046.1692	1
1758.3172	1102.7296	394162.49	0.987071489	1758.6573	1103.4275	1
1758.2361	1161.1111	389767.57	0.976065621	1758.8466	1160.6877	1

1757.8947	1218.8923	389147.02	0.974511624	1758.4688	1218.4384	1
1760.8443	1276.9072	394161.29	0.987068484	1759.7084	1276.7946	1
1762.1773	1335.2197	391568.48	0.980575504	1761.796	1334.9937	1
1764.9905	1393.8836	393716.97	0.985955806	1764.0252	1393.8426	1
1765.6591	1452.8578	394603.21	0.988175151	1764.6175	1452.1863	1
1765.2641	1508.6371	390360.58	0.977550651	1764.8352	1509.1722	1
1765.5603	1566.5832	394914.61	0.988954966	1765.3593	1566.9092	1
1765.4677	1625.6311	392832.67	0.98374132	1764.7622	1625.0923	1
1766.8007	1683.1417	392244.06	0.982267309	1765.2034	1683.1172	1
1767.3302	1741.3779	391078.07	0.979347408	1767.7437	1741.7438	1
1772.8174	205.43426	391432.98	0.980236182	1772.8858	205.60633	1
1774.6824	264.54171	390497.43	0.977893354	1773.952	263.44819	1
1773.3956	320.33586	391306.37	0.979919122	1774.5802	320.9633	1
1775.74	380.32479	392284.41	0.982368354	1775.3676	379.54479	1
1775.5881	438.51017	391046.19	0.979267573	1775.8026	437.86439	1
1776.4518	495.60137	391286.67	0.979869789	1776.1149	495.39701	1
1776.1269	553.81901	395764.71	0.991083808	1775.9499	553.49966	1
1775.984	613.29348	390765.08	0.97856361	1775.7456	611.86386	1
1777.0129	668.64231	391394.97	0.980140996	1776.5332	669.33897	1
1777.304	727.45454	392119.57	0.981955558	1777.7886	727.57953	1
1777.8907	785.36256	395197.7	0.989663887	1778.2808	785.37973	1
1779.8613	842.20046	393575.37	0.985601208	1778.2472	842.21166	1
1777.3108	901.43144	392417.6	0.982701892	1778.5589	900.63626	1
1779.9483	959.55502	394686.46	0.988383627	1779.3258	959.37969	1
1780.5781	1017.2009	391127.22	0.97947049	1779.0944	1017.3322	1
1779.6393	1075.2286	392696.32	0.983399869	1779.0434	1074.7275	1
1778.7866	1132.3539	391998.07	0.981651294	1779.6919	1132.0108	1
1780.2765	1189.1628	393959.26	0.986562555	1779.4406	1189.3754	1
1779.1238	1247.9552	394467.74	0.987835903	1779.7421	1247.5785	1
1780.6701	1305.6525	393864.12	0.986324303	1781.4425	1305.9216	1
1783.8856	1364.1763	390922.91	0.978958852	1783.6504	1364.3325	1
1784.5771	1422.6315	392745.69	0.983523503	1785.2066	1423.1	1
1786.1945	1480.3258	392182.88	0.9821141	1785.4293	1480.6782	1
1785.4243	1537.8703	392674.1	0.983344225	1785.9635	1537.8364	1
1787.3224	1596.8241	390309.58	0.977422936	1785.8562	1596.0606	1
1784.6143	1654.0657	392734.13	0.983494554	1785.4288	1654.0772	1
1786.9473	1712.3246	390925.73	0.978965914	1787.1725	1712.3644	1
1790.0475	1770.8514	391443.26	0.980261925	1789.1747	1770.936	1
1795.0853	233.94769	391263.02	0.979810564	1794.4657	234.52186	1
1795.4411	291.79414	390881.82	0.978855953	1795.3556	292.00856	1
1796.1243	350.82228	390932.44	0.978982717	1795.8104	350.17602	1
1796.4793	407.55916	391131.18	0.979480407	1796.3518	408.82394	1
1797.9727	467.00876	393901.6	0.986418161	1796.7817	466.5715	1

1796.395	524.47227	393183.13	0.984618951	1796.9269	524.2358	1
1797.2148	582.24642	393545.39	0.985526131	1796.6444	582.66635	1
1796.1869	640.62899	390786.73	0.978617827	1796.8711	640.41638	1
1797.8584	698.2263	393394.94	0.985149371	1798.0156	698.11291	1
1799.739	757.05536	391014.04	0.979187062	1798.808	756.54855	1
1799.2358	814.09111	392231.9	0.982236857	1798.958	813.58903	1
1799.125	870.28299	391824.01	0.981215409	1799.0452	871.06569	1
1800.0928	930.53487	389454.98	0.975282825	1799.7029	929.98986	1
1799.49	988.1335	391710.96	0.980932306	1800.0121	988.33443	1
1799.0818	1046.3547	390324.8	0.97746105	1799.6344	1045.9007	1
1800.368	1103.3854	391876.94	0.981347958	1800.1241	1103.2512	1
1800.7581	1158.6935	387799.72	0.971137682	1800.5545	1160.5728	1
1800.3876	1217.6574	394353.3	0.98754932	1800.3167	1218.3253	1