

LAMPIRAN

Lampiran 1 Tabel Simulasi Monte Carlo dengan 1000 data

Data	Bilangan acak	q~N(2, 0.2)		P terdistribusi seragam antara 10 dan 20	P acak	q acak	P & q acak tak berkorelasi	P & q acak berkorelasi		
	u_i	s_i	q_i	P_i	$M_i=225+7.5P_i$	$M_i=112.5q_i+112.5$	$M_i=112.5q_i+7.5P_i$	v_{1i}	v_{2i}	$M_i=337.5+2.65 v_{1i} +29.17 v_{2i}$
1	0.34222	1.04927	2.20985	13.42221	325.66654	361.10860	349.27515	0.87824	1.19617	374.71959
2	0.70136	-0.46236	1.90753	17.01357	352.60176	327.09682	342.19858	-0.38700	-0.52709	321.09911
3	0.70374	0.25705	2.05141	17.03740	352.78049	343.28356	358.56405	0.21515	0.29303	346.61793
4	0.75569	1.29373	2.25875	17.55693	356.67699	366.60888	385.78588	1.08285	1.47485	383.39093
5	0.93647	-0.43014	1.91397	19.36472	370.23541	327.82176	360.55717	-0.36003	-0.49036	322.24200
6	0.28715	-1.60455	1.67909	12.87151	321.53634	301.39767	285.43401	-1.34301	-1.82918	280.58371
7	0.14953	2.75511	2.55102	11.49528	311.21460	399.48999	373.20459	2.30603	3.14083	435.22887
8	0.11686	-0.53122	1.89376	11.16855	308.76414	325.54758	296.81171	-0.44463	-0.60559	318.65668
9	0.98524	-1.33474	1.73305	19.85236	373.89272	307.46825	343.86097	-1.11718	-1.52161	290.15414
10	0.86661	-0.10646	1.97871	18.66614	364.99605	335.10456	362.60061	-0.08911	-0.12137	333.72353
11	0.18139	0.76257	2.15251	11.81394	313.60457	354.65775	330.76232	0.63827	0.86933	364.54965
12	0.69253	-1.01296	1.79741	16.92529	351.93971	314.70833	329.14804	-0.84785	-1.15478	301.56833
13	0.34254	0.33782	2.06756	13.42545	325.69087	345.10103	333.29190	0.28276	0.38512	349.48323
14	0.15173	-0.28020	1.94396	11.51734	311.38007	331.19559	305.07566	-0.23452	-0.31942	327.56092
15	0.19786	-1.31072	1.73786	11.97856	314.83922	308.00877	285.34798	-1.09707	-1.49422	291.00629
16	0.36933	0.44194	2.08839	13.69334	327.70003	347.44362	337.64365	0.36990	0.50381	353.17638
17	0.39215	1.41194	2.28239	13.92145	329.41089	369.26855	361.17944	1.18179	1.60961	387.58396
18	0.78449	-1.69909	1.66018	17.84492	358.83689	299.27052	320.60741	-1.42214	-1.93696	277.23021
19	0.95440	-0.12750	1.97450	19.54397	371.57978	334.63129	368.71107	-0.10672	-0.14535	332.97740
20	0.55212	-0.64019	1.87196	15.52122	341.40918	323.09563	327.00480	-0.53584	-0.72982	314.79112
21	0.52044	0.13675	2.02735	15.20440	339.03300	340.57684	342.10985	0.11446	0.15589	342.35073
22	0.03520	-0.60770	1.87846	10.35195	302.63966	323.82686	288.96652	-0.50864	-0.69277	315.94392
23	0.53044	0.54608	2.10922	15.30442	339.78316	349.78686	352.07002	0.45707	0.62253	356.87056

24	0.14132	1.32765	2.26553	11.41318	310.59887	367.37208	340.47096	1.11124	1.51352	384.59414
25	0.13705	1.23329	2.24666	11.37049	310.27871	365.24905	338.02776	1.03226	1.40595	381.24712
26	0.39035	0.15668	2.03134	13.90351	329.27633	341.02535	332.80168	0.13114	0.17862	343.05781
27	0.63049	-0.09611	1.98078	16.30493	347.28696	335.33747	345.12444	-0.08045	-0.10957	334.09072
28	0.69352	-0.34701	1.93060	16.93518	352.01388	329.69231	344.20619	-0.29045	-0.39559	325.19097
29	0.96319	0.45472	2.09094	19.63186	372.23896	347.73127	382.47023	0.38060	0.51838	353.62987
30	0.26936	-0.19149	1.96170	12.69356	320.20169	333.19138	315.89307	-0.16028	-0.21830	330.70735
31	0.06365	-0.78424	1.84315	10.63653	304.77396	319.85461	287.12857	-0.65641	-0.89403	309.68158
32	0.81230	0.33496	2.06699	18.12296	360.92219	345.03652	368.45871	0.28036	0.38185	349.38152
33	0.25675	-0.55967	1.88807	12.56755	319.25661	324.90738	306.66399	-0.46845	-0.63803	317.64739
34	0.27764	0.39280	2.07856	12.77640	320.82297	346.33796	329.66093	0.32877	0.44779	351.43327
35	0.28860	-0.82054	1.83589	12.88603	321.64519	319.03782	303.18301	-0.68679	-0.93542	308.39388
36	0.54312	1.25303	2.25061	15.43124	340.73426	365.69322	368.92748	1.04879	1.42846	381.94736
37	0.27722	0.05743	2.01149	12.77216	320.79119	338.79222	322.08341	0.04807	0.06547	339.53721
38	0.16690	1.93974	2.38795	11.66904	312.51779	381.14422	356.16201	1.62356	2.21131	406.30628
39	0.15435	0.26489	2.05298	11.54349	311.57619	343.45996	317.53615	0.22171	0.30197	346.89604
40	0.14702	-0.56530	1.88694	11.47021	311.02655	324.78077	298.30731	-0.47316	-0.64444	317.44779
41	0.97556	1.38425	2.27685	19.75559	373.16690	368.64565	404.31255	1.15862	1.57805	386.60195
42	0.21346	1.25859	2.25172	12.13459	316.00944	365.81830	344.32774	1.05344	1.43479	382.14456
43	0.60791	-0.62445	1.87511	16.07911	345.59334	323.44978	331.54312	-0.52267	-0.71188	315.34946
44	0.16250	0.21424	2.04285	11.62499	312.18741	342.32041	317.00782	0.17932	0.24423	345.09950
45	0.11797	1.09737	2.21947	11.17968	308.84762	362.19080	333.53842	0.91850	1.25100	376.42571
46	0.69186	0.01390	2.00278	16.91863	351.88974	337.81266	352.20240	0.01163	0.01584	337.99292
47	0.14552	1.59138	2.31828	11.45523	310.91420	373.30600	346.72020	1.33198	1.81417	393.94911
48	0.80053	-0.21936	1.95613	18.00531	360.03985	332.56432	355.10417	-0.18361	-0.25007	329.71876
49	0.53110	-0.57852	1.88430	15.31104	339.83277	324.48339	326.81615	-0.48422	-0.65951	316.97896
50	0.25724	0.59443	2.11889	12.57244	319.29327	350.87474	332.66801	0.49754	0.67765	358.58563
51	0.49369	-1.83513	1.63297	14.93692	337.02687	296.20958	295.73645	-1.53600	-2.09205	272.40455
52	0.47476	1.02697	2.20539	14.74755	335.60664	360.60683	358.71347	0.85957	1.17075	373.92853

53	0.20992	-0.35871	1.92826	12.09916	315.74370	329.42901	307.67271	-0.30024	-0.40893	324.77587
54	0.05786	0.16533	2.03307	10.57858	304.33934	341.21995	308.05929	0.13838	0.18848	343.36460
55	0.41783	-0.60159	1.87968	14.17834	331.33756	323.96423	317.80179	-0.50353	-0.68581	316.16050
56	0.53752	-0.77403	1.84519	15.37524	340.31428	320.08443	322.89871	-0.64786	-0.88239	310.04389
57	0.16172	-0.17952	1.96410	11.61721	312.12908	333.46079	308.08987	-0.15026	-0.20465	331.13208
58	0.04554	-0.18883	1.96223	10.45545	303.41584	333.25137	299.16721	-0.15805	-0.21526	330.80192
59	0.46664	1.67592	2.33518	14.66639	334.99791	375.20822	372.70613	1.40275	1.91055	396.94801
60	0.79783	-0.28290	1.94342	17.97834	359.83753	331.13483	353.47236	-0.23678	-0.32250	327.46514
61	0.19193	-0.60791	1.87842	11.91929	314.39467	323.82199	300.71666	-0.50882	-0.69302	315.93625
62	0.75062	-0.06982	1.98604	17.50618	356.29634	335.92915	354.72549	-0.05844	-0.07959	335.02352
63	0.63352	0.03380	2.00676	16.33524	347.51429	338.26041	348.27470	0.02829	0.03853	338.69881
64	0.63601	0.29028	2.05806	16.36005	347.70041	344.03139	354.23180	0.24297	0.33092	347.79691
65	0.34385	-0.90533	1.81893	13.43846	325.78848	317.13006	305.41854	-0.75776	-1.03208	305.38625
66	0.02677	0.03350	2.00670	10.26765	302.00738	338.25381	302.76119	0.02804	0.03819	338.68840
67	0.84030	0.51390	2.10278	18.40303	363.02276	349.06270	374.58546	0.43013	0.58584	355.72890
68	0.98029	-0.31427	1.93715	19.80292	373.52193	330.42882	366.45075	-0.26305	-0.35827	326.35210
69	0.77418	1.59484	2.31897	17.74177	358.06326	373.38397	393.94722	1.33488	1.81812	394.07203
70	0.58928	0.42836	2.08567	15.89283	344.19621	347.13814	353.83436	0.35854	0.48833	352.69479
71	0.07647	-1.63423	1.67315	10.76470	305.73525	300.72987	268.96512	-1.36785	-1.86302	279.53092
72	0.23032	-1.75864	1.64827	12.30316	317.27368	297.93067	277.70435	-1.47198	-2.00485	275.11790
73	0.91641	1.32855	2.26571	19.16405	368.73038	367.39232	398.62270	1.11199	1.51454	384.62604
74	0.01996	-0.89300	1.82140	10.19958	301.49684	317.40748	281.40432	-0.74744	-1.01802	305.82361
75	0.43170	-1.00730	1.79854	14.31698	332.37738	314.83578	309.71316	-0.84311	-1.14832	301.76925
76	0.55499	-1.84919	1.63016	15.54990	341.62423	295.89313	300.01736	-1.54778	-2.10808	271.90566
77	0.71247	0.83721	2.16744	17.12467	353.43503	356.33734	372.27236	0.70075	0.95443	367.19756
78	0.43328	0.41947	2.08389	14.33280	332.49598	346.93804	341.93402	0.35110	0.47819	352.37932
79	0.13145	-0.21760	1.95648	11.31446	309.85843	332.60393	304.96236	-0.18213	-0.24807	329.78122
80	0.20886	0.50349	2.10070	12.08856	315.66424	348.82844	326.99268	0.42142	0.57397	355.35959
81	0.25097	-1.69962	1.66008	12.50966	318.82245	299.25862	280.58107	-1.42258	-1.93756	277.21144

82	0.98613	-0.75939	1.84812	19.86126	373.95944	320.41362	356.87306	-0.63561	-0.86571	310.56287
83	0.81744	0.39476	2.07895	18.17437	361.30776	346.38219	370.18995	0.33042	0.45003	351.50301
84	0.65961	-0.56347	1.88731	16.59613	349.47099	324.82196	336.79295	-0.47162	-0.64235	317.51273
85	0.11799	0.51518	2.10304	11.17993	308.84949	349.09158	320.44106	0.43121	0.58731	355.77443
86	0.11066	0.33478	2.06696	11.10660	308.29951	345.03246	315.83197	0.28021	0.38164	349.37513
87	0.86410	-0.20926	1.95815	18.64104	364.80780	332.79160	360.09940	-0.17515	-0.23856	330.07708
88	0.99693	-0.01871	1.99626	19.96927	374.76955	337.07910	374.34866	-0.01566	-0.02133	336.83644
89	0.35831	0.78522	2.15704	13.58313	326.87347	355.16742	344.54089	0.65723	0.89515	365.35316
90	0.16488	-0.98336	1.80333	11.64885	312.36636	315.37441	290.24077	-0.82307	-1.12103	302.61842
91	0.21871	0.62628	2.12526	12.18711	316.40334	351.59139	330.49473	0.52420	0.71396	359.71545
92	0.87921	1.88646	2.37729	18.79213	365.94101	379.94546	408.38647	1.57897	2.15057	404.41640
93	0.93978	0.19977	2.03995	19.39780	370.48352	341.99478	374.97830	0.16721	0.22774	344.58613
94	0.88783	0.47959	2.09592	18.87831	366.58730	348.29088	377.37818	0.40142	0.54674	354.51211
95	0.76939	-3.14510	1.37098	17.69389	357.70416	266.73523	286.93939	-2.63245	-3.58542	225.93745
96	0.11719	0.66372	2.13274	11.17192	308.78942	352.43361	323.72303	0.55553	0.75664	361.04323
97	0.65121	0.19886	2.03977	16.51207	348.84051	341.97430	353.31481	0.16644	0.22670	344.55386
98	0.83218	-1.52246	1.69551	18.32180	362.41352	303.24469	328.15821	-1.27430	-1.73560	283.49559
99	0.45485	-0.51283	1.89743	14.54845	334.11339	325.96124	322.57463	-0.42924	-0.58463	319.30884
100	0.58339	-1.93136	1.61373	15.83387	343.75400	294.04446	300.29846	-1.61655	-2.20175	268.99118
101	0.97897	0.13815	2.02763	19.78975	373.42309	340.60842	376.53151	0.11563	0.15749	342.40050
102	0.62531	0.42290	2.08458	16.25309	346.89819	347.01535	356.41354	0.35397	0.48211	352.50121
103	0.57117	-0.25061	1.94988	15.71166	342.83747	331.86117	337.19864	-0.20976	-0.28570	328.61023
104	0.59089	-0.41314	1.91737	15.90893	344.31698	328.20440	335.02137	-0.34580	-0.47098	322.84523
105	0.13882	0.59939	2.11988	11.38818	310.41137	350.98621	323.89758	0.50169	0.68330	358.76137
106	0.11874	-0.87465	1.82507	11.18744	308.90582	317.82029	289.22611	-0.73209	-0.99711	306.47441
107	0.73491	-0.71683	1.85663	17.34915	355.11859	321.37139	338.98998	-0.59998	-0.81718	312.07281
108	0.70943	0.57288	2.11458	17.09428	353.20712	350.38973	366.09685	0.47950	0.65308	357.82100
109	0.36145	0.16580	2.03316	13.61446	327.10846	341.23053	330.83899	0.13878	0.18901	343.38128
110	0.82576	0.68176	2.13635	18.25761	361.93206	352.83968	377.27174	0.57064	0.77721	361.68341

111	0.56229	-1.70983	1.65803	15.62287	342.17155	299.02874	303.70029	-1.43113	-1.94921	276.84903
112	0.36359	0.11860	2.02372	13.63585	327.26888	340.16846	329.93734	0.09927	0.13520	341.70690
113	0.77400	0.44597	2.08919	17.73997	358.04975	347.53432	368.08407	0.37328	0.50841	353.31938
114	0.56154	-1.32849	1.73430	15.61542	342.11567	307.60897	312.22464	-1.11195	-1.51448	290.37599
115	0.84160	1.86644	2.37329	18.41598	363.11983	379.49497	405.11479	1.56221	2.12774	403.70618
116	0.73295	0.34331	2.06866	17.32950	354.97126	345.22440	362.69565	0.28735	0.39137	349.67772
117	0.69177	-0.70218	1.85956	16.91769	351.88265	321.70103	336.08367	-0.58772	-0.80048	312.59250
118	0.55542	-0.14058	1.97188	15.55424	341.65677	334.33705	338.49382	-0.11766	-0.16026	332.51352
119	0.00504	0.93172	2.18634	10.05039	300.37791	358.46367	321.34158	0.77985	1.06216	370.54979
120	0.68658	1.50936	2.30187	16.86583	351.49369	371.46067	385.45436	1.26334	1.72067	391.03989
121	0.39264	-0.70593	1.85881	13.92640	329.44804	321.61656	313.56459	-0.59086	-0.80476	312.45933
122	0.10853	0.10224	2.02045	11.08532	308.13991	339.80042	310.44033	0.08558	0.11655	341.12668
123	0.09895	-1.93762	1.61248	10.98951	307.42129	293.90358	263.82487	-1.62179	-2.20889	268.76908
124	0.06115	0.76271	2.15254	10.61150	304.58628	354.66104	321.74733	0.63839	0.86949	364.55484
125	0.75560	-0.81436	1.83713	17.55602	356.67018	319.17681	338.34699	-0.68162	-0.92837	308.61300
126	0.40847	0.85151	2.17030	14.08467	330.63506	356.65893	349.79399	0.71271	0.97072	367.70457
127	0.11247	-1.25344	1.74931	11.12470	308.43522	309.29755	280.23278	-1.04913	-1.42892	293.03809
128	0.27763	1.89880	2.37976	12.77633	320.82250	380.22303	363.54552	1.58930	2.16463	404.85399
129	0.18240	-0.98018	1.80396	11.82399	313.67990	315.44604	291.62594	-0.82041	-1.11740	302.73135
130	0.57534	0.53597	2.10719	15.75338	343.15038	349.55935	355.20973	0.44861	0.61101	356.51189
131	0.71299	-0.04740	1.99052	17.12994	353.47453	336.43343	352.40795	-0.03968	-0.05404	335.81852
132	0.28461	1.07739	2.21548	12.84614	321.34603	361.74127	345.58730	0.90178	1.22822	375.71700
133	0.50294	0.99352	2.19870	15.02938	337.72031	359.85416	360.07447	0.83157	1.13261	372.74193
134	0.87086	-1.06406	1.78719	18.70862	365.31466	313.55876	341.37342	-0.89061	-1.21302	299.75599
135	0.58012	1.33119	2.26624	15.80117	343.50874	367.45183	373.46058	1.11421	1.51756	384.71986
136	0.01925	0.12367	2.02473	10.19251	301.44384	340.28263	304.22647	0.10351	0.14099	341.88689
137	0.55568	1.27150	2.25430	15.55684	341.67630	366.10882	370.28512	1.06425	1.44951	382.60257
138	0.37990	1.36424	2.27285	13.79901	328.49257	368.19550	359.18807	1.14187	1.55524	385.89228
139	0.99478	-0.13976	1.97205	19.94777	374.60825	334.35546	371.46371	-0.11698	-0.15932	332.54255

140	0.21169	1.53358	2.30672	12.11694	315.87707	372.00553	350.38260	1.28361	1.74828	391.89889
141	0.94578	-0.24982	1.95004	19.45776	370.93320	331.87904	365.31224	-0.20910	-0.28480	328.63840
142	0.65699	-0.73901	1.85220	16.56992	349.27436	320.87228	332.64664	-0.61855	-0.84247	311.28595
143	0.05672	-0.94404	1.81119	10.56716	304.25370	316.25904	283.01274	-0.79016	-1.07621	304.01306
144	0.22562	1.33661	2.26732	12.25620	316.92151	367.57370	346.99521	1.11874	1.52373	384.91200
145	0.99655	0.01993	2.00399	19.96550	374.74123	337.94841	375.18963	0.01668	0.02272	338.20693
146	0.01037	0.54252	2.10850	10.10368	300.77762	349.70681	312.98443	0.45409	0.61848	356.74436
147	0.25954	0.32626	2.06525	12.59535	319.46514	344.84096	326.80610	0.27308	0.37194	349.07322
148	0.00869	-0.55900	1.88820	10.08695	300.65211	324.92240	288.07451	-0.46789	-0.63726	317.67108
149	0.13316	1.32069	2.26414	11.33161	309.98705	367.21560	339.70265	1.10542	1.50559	384.34744
150	0.03182	-0.24887	1.95023	10.31817	302.38628	331.90043	296.78671	-0.20830	-0.28371	328.67214
151	0.74868	-0.89306	1.82139	17.48677	356.15081	317.40620	336.05701	-0.74749	-1.01809	305.82159
152	0.02231	0.58852	2.11770	10.22311	301.67333	350.74168	314.91501	0.49259	0.67091	358.37586
153	0.98193	-0.44013	1.91197	19.81935	373.64509	327.59696	363.74206	-0.36839	-0.50175	321.88760
154	0.37432	0.14679	2.02936	13.74322	328.07414	340.80280	331.37695	0.12286	0.16734	342.70696
155	0.22836	-0.03686	1.99263	12.28361	317.12711	336.67064	316.29774	-0.03085	-0.04202	336.19249
156	0.07030	-0.26587	1.94683	10.70299	305.27246	331.51795	299.29041	-0.22253	-0.30309	328.06914
157	0.52225	-0.57494	1.88501	15.22251	339.16886	324.56383	326.23269	-0.48123	-0.65543	317.10579
158	0.47964	-0.90012	1.81998	14.79639	335.97291	317.24731	315.72022	-0.75340	-1.02614	305.57109
159	0.29018	-0.75230	1.84954	12.90177	321.76325	320.57334	304.83659	-0.62967	-0.85762	310.81467
160	0.99937	1.36801	2.27360	19.99367	374.95249	368.28021	405.73270	1.14502	1.55953	386.02582
161	0.35318	0.38970	2.07794	13.53179	326.48846	346.26827	335.25673	0.32618	0.44426	351.32341
162	0.88684	-1.12797	1.77441	18.86841	366.51310	312.12077	341.13388	-0.94411	-1.28588	297.48897
163	0.14300	1.03579	2.20716	11.43003	310.72522	360.80528	334.03050	0.86696	1.18080	374.24140
164	0.45083	2.67971	2.53594	14.50834	333.81257	397.79342	394.10599	2.24292	3.05487	432.55419
165	0.17110	-0.07376	1.98525	11.71104	312.83278	335.84033	311.17310	-0.06174	-0.08409	334.88348
166	0.74002	-0.33317	1.93337	17.40021	355.50160	330.00363	348.00523	-0.27886	-0.37982	325.68177
167	0.53908	0.51546	2.10309	15.39083	340.43125	349.09787	352.02912	0.43144	0.58763	355.78435
168	0.37420	-0.61805	1.87639	13.74196	328.06471	323.59398	314.15869	-0.51730	-0.70457	315.57679

169	0.11402	1.09674	2.21935	11.14021	308.55156	362.17665	333.22821	0.91797	1.25028	376.40339
170	0.34761	-0.12536	1.97493	13.47606	326.07044	334.67945	323.24988	-0.10492	-0.14291	333.05332
171	0.21083	0.26864	2.05373	12.10829	315.81214	343.54443	321.85656	0.22485	0.30625	347.02920
172	0.39460	-1.33881	1.73224	13.94599	329.59492	307.37688	299.47180	-1.12058	-1.52624	290.01010
173	0.02439	-0.23972	1.95206	10.24386	301.82898	332.10630	296.43528	-0.20065	-0.27328	328.99669
174	0.86142	0.20741	2.04148	18.61425	364.60687	342.16664	369.27351	0.17360	0.23644	344.85709
175	0.96784	0.05721	2.01144	19.67841	372.58811	338.78731	373.87541	0.04789	0.06522	339.52947
176	0.51039	0.99066	2.19813	15.10391	338.27933	359.78983	360.56916	0.82918	1.12935	372.64051
177	0.14319	1.23789	2.24758	11.43188	310.73908	365.35263	338.59171	1.03612	1.41120	381.41041
178	0.55684	-0.36939	1.92612	15.56838	341.76288	329.18872	333.45161	-0.30918	-0.42110	324.39705
179	0.78386	1.52340	2.30468	17.83857	358.78930	371.77646	393.06576	1.27508	1.73667	391.53775
180	0.29061	-0.05491	1.98902	12.90609	321.79567	336.26460	320.56027	-0.04596	-0.06259	335.55236
181	0.26504	1.71147	2.34229	12.65039	319.87793	376.00802	358.38595	1.43250	1.95107	398.20893
182	0.51110	-0.23988	1.95202	15.11104	338.33283	332.10264	332.93548	-0.20078	-0.27347	328.99092
183	0.13254	0.82386	2.16477	11.32544	309.94078	356.03683	328.47760	0.68957	0.93920	366.72380
184	0.66218	-1.08575	1.78285	16.62175	349.66314	313.07060	325.23374	-0.90877	-1.23776	298.98640
185	0.17782	1.23875	2.24775	11.77824	313.33678	365.37186	341.20864	1.03683	1.41217	381.44073
186	0.68340	-1.98622	1.60276	16.83405	351.25537	292.81016	306.56552	-1.66246	-2.26429	267.04527
187	0.98584	-0.13753	1.97249	19.85841	373.93808	334.40550	370.84358	-0.11512	-0.15679	332.62144
188	0.02991	1.49702	2.29940	10.29906	302.24294	371.18301	335.92595	1.25301	1.70661	390.60217
189	0.62693	0.83463	2.16693	16.26926	347.01943	356.27922	365.79865	0.69859	0.95148	367.10594
190	0.74151	0.31501	2.06300	17.41511	355.61330	344.58772	362.70102	0.26366	0.35911	348.67398
191	0.56926	0.70097	2.14019	15.69260	342.69451	353.27192	358.46643	0.58672	0.79911	362.36485
192	0.55517	0.06769	2.01354	15.55169	341.63766	339.02308	343.16073	0.05666	0.07717	339.90117
193	0.72139	0.64547	2.12909	17.21385	354.10388	352.02311	368.62700	0.54026	0.73584	360.39608
194	0.31977	1.98548	2.39710	13.19771	323.98286	382.17325	368.65610	1.66184	2.26344	407.92856
195	0.39801	-2.01789	1.59642	13.98012	329.85087	292.09753	284.44840	-1.68897	-2.30039	265.92180
196	0.37993	-0.56132	1.88774	13.79926	328.49442	324.87028	315.86470	-0.46983	-0.63991	317.58890
197	0.41029	-0.11445	1.97711	14.10294	330.77207	334.92498	328.19705	-0.09579	-0.13047	333.44042

198	0.81594	1.47394	2.29479	18.15942	361.19568	370.66363	394.35931	1.23369	1.68029	389.78335
199	0.54354	-0.74868	1.85026	15.43542	340.76565	320.65481	323.92046	-0.62664	-0.85349	310.94311
200	0.30980	-1.03234	1.79353	13.09796	323.23467	314.27239	300.00706	-0.86407	-1.17687	300.88106
201	0.73488	-0.60222	1.87956	17.34885	355.11635	323.94997	341.56632	-0.50406	-0.68653	316.13802
202	0.20674	0.89380	2.17876	12.06741	315.50555	357.61057	335.61611	0.74811	1.01894	369.20485
203	0.68931	-0.05052	1.98990	16.89314	351.69853	336.36333	350.56186	-0.04228	-0.05759	335.70801
204	0.29592	0.48072	2.09614	12.95916	322.19372	348.31610	333.00982	0.40236	0.54802	354.55188
205	0.46431	-0.77383	1.84523	14.64314	334.82354	320.08885	317.41239	-0.64769	-0.88217	310.05085
206	0.72393	-0.10588	1.97882	17.23926	354.29446	335.11767	351.91213	-0.08862	-0.12070	333.74419
207	0.02546	-1.12169	1.77566	10.25459	301.90941	312.26187	276.67128	-0.93886	-1.27873	297.71141
208	0.88584	0.18457	2.03691	18.85843	366.43821	341.65286	370.59107	0.15449	0.21041	344.04709
209	0.36083	0.66035	2.13207	13.60833	327.06250	352.35792	341.92042	0.55271	0.75280	360.92391
210	0.52480	-0.83800	1.83240	15.24803	339.36024	318.64510	320.50534	-0.70140	-0.95532	307.77474
211	0.36706	-2.19353	1.56129	13.67062	327.52968	288.14568	278.17535	-1.83598	-2.50062	259.69160
212	0.21699	0.58004	2.11601	12.16986	316.27398	350.55097	329.32496	0.48550	0.66125	358.07521
213	0.89146	0.83643	2.16729	18.91461	366.85956	356.31957	385.67914	0.70009	0.95353	367.16956
214	0.78240	0.93021	2.18604	17.82402	358.68013	358.42969	379.60982	0.77858	1.06044	370.49621
215	0.82598	0.35650	2.07130	18.25981	361.94860	345.52126	369.96985	0.29839	0.40641	350.14572
216	0.26771	-0.64034	1.87193	12.67713	320.07849	323.09234	305.67083	-0.53597	-0.72999	314.78594
217	0.45553	-1.39511	1.72098	14.55533	334.16494	306.11005	302.77500	-1.16771	-1.59042	288.01291
218	0.13621	0.07710	2.01542	11.36211	310.21584	339.23485	311.95068	0.06454	0.08790	340.23503
219	0.30110	0.74136	2.14827	13.01102	322.58265	354.18065	339.26330	0.62052	0.84515	363.79749
220	0.62122	-0.14051	1.97190	16.21219	346.59146	334.33845	343.42991	-0.11761	-0.16019	332.51573
221	0.83555	-0.03542	1.99292	18.35554	362.66654	336.70297	361.86951	-0.02965	-0.04038	336.24346
222	0.15349	-0.77177	1.84565	11.53494	311.51204	320.13508	294.14711	-0.64598	-0.87982	310.12373
223	0.77108	0.98978	2.19796	17.71084	357.83129	359.77014	380.10143	0.82845	1.12835	372.60947
224	0.60557	-1.53939	1.69212	16.05568	345.41758	302.86366	310.78124	-1.28847	-1.75491	282.89489
225	0.77694	-0.80288	1.83942	17.76937	358.27030	319.43512	340.20541	-0.67201	-0.91529	309.02023
226	0.98524	-0.16063	1.96787	19.85236	373.89273	333.88584	370.27857	-0.13445	-0.18312	331.80218

227	0.86755	0.51067	2.10213	18.67553	365.06649	348.99002	376.55651	0.42743	0.58216	355.61433
228	0.96593	1.27808	2.25562	19.65929	372.44466	366.25676	401.20142	1.06975	1.45701	382.83580
229	0.36517	0.01258	2.00252	13.65168	327.38761	337.78314	327.67075	0.01053	0.01435	337.94638
230	0.38056	-0.87222	1.82556	13.80561	328.54205	317.87508	308.91713	-0.73005	-0.99433	306.56079
231	0.08380	-0.02450	1.99510	10.83803	306.28521	336.94865	305.73385	-0.02051	-0.02794	336.63078
232	0.47296	-0.42396	1.91521	14.72959	335.47189	327.96087	325.93277	-0.35486	-0.48332	322.46131
233	0.01469	-0.46071	1.90786	10.14688	301.10158	327.13403	290.73561	-0.38561	-0.52521	321.15777
234	0.85591	-0.53796	1.89241	18.55911	364.19334	325.39586	352.08920	-0.45027	-0.61328	318.41750
235	0.30006	-1.55757	1.68849	13.00061	322.50454	302.45457	287.45911	-1.30369	-1.77564	282.24995
236	0.11754	-0.34844	1.93031	11.17545	308.81585	329.66017	300.97602	-0.29164	-0.39722	325.14031
237	0.57237	0.05876	2.01175	15.72372	342.92787	338.82203	344.24990	0.04918	0.06698	339.58421
238	0.85040	1.32076	2.26415	18.50405	363.78035	367.21716	393.49751	1.10548	1.50567	384.34990
239	0.75104	-0.11538	1.97692	17.51037	356.32778	334.90389	353.73167	-0.09658	-0.13154	333.40716
240	0.67910	-1.63257	1.67349	16.79095	350.93216	300.76723	314.19939	-1.36646	-1.86113	279.58981
241	0.55671	1.00165	2.20033	15.56715	341.75359	360.03704	364.29063	0.83838	1.14188	373.03024
242	0.70107	-0.72543	1.85491	17.01073	352.58045	321.17786	336.25831	-0.60718	-0.82699	311.76771
243	0.92828	1.58978	2.31796	19.28277	369.62079	373.27007	405.39086	1.33065	1.81235	393.89247
244	0.55428	0.27578	2.05516	15.54275	341.57064	343.70506	347.77570	0.23083	0.31439	347.28244
245	0.70340	0.48246	2.09649	17.03396	352.75473	348.35525	363.60999	0.40382	0.55000	354.61360
246	0.98425	1.28639	2.25728	19.84255	373.81910	366.44379	402.76289	1.07671	1.46649	383.13065
247	0.36767	1.16791	2.23358	13.67673	327.57546	363.77800	353.85346	0.97754	1.33142	378.92797
248	0.47638	-0.94873	1.81025	14.76378	335.72837	316.15357	314.38194	-0.79409	-1.08155	303.84678
249	0.48949	0.38651	2.07730	14.89493	336.71198	346.19645	345.40843	0.32351	0.44062	351.21019
250	0.90913	0.11856	2.02371	19.09134	368.18506	340.16750	370.85257	0.09923	0.13515	341.70539
251	0.81767	1.11664	2.22333	18.17666	361.32498	362.62440	386.44939	0.93463	1.27297	377.10929
252	0.52006	-0.21223	1.95755	15.20056	339.00419	332.72478	334.22897	-0.17764	-0.24194	329.97175
253	0.57891	-0.05134	1.98973	15.78910	343.41828	336.34481	342.26309	-0.04297	-0.05853	335.67882
254	0.74749	-0.05156	1.98969	17.47491	356.06185	336.33988	354.90172	-0.04316	-0.05878	335.67103
255	0.08683	-1.90609	1.61878	10.86827	306.51201	294.61290	263.62490	-1.59540	-2.17295	269.88734

256	0.29722	0.13322	2.02664	12.97221	322.29154	340.49741	325.28895	0.11150	0.15187	342.22550
257	0.38552	-0.62553	1.87489	13.85520	328.91402	323.42548	314.83950	-0.52357	-0.71311	315.31114
258	0.43932	-2.75054	1.44989	14.39323	332.94925	275.61280	271.06205	-2.30220	-3.13562	239.93318
259	0.70782	-2.00380	1.59924	17.07818	353.08638	292.41452	308.00090	-1.67718	-2.28433	266.42154
260	0.30365	-1.54132	1.69174	13.03653	322.77396	302.82021	288.09417	-1.29009	-1.75711	282.82638
261	0.49232	-0.59402	1.88120	14.92325	336.92437	324.13462	323.55899	-0.49719	-0.67718	316.42912
262	0.50608	0.70679	2.14136	15.06075	337.95565	353.40288	353.85853	0.59159	0.80575	362.57131
263	0.60849	1.10203	2.22041	16.08491	345.63685	362.29558	370.43243	0.92240	1.25631	376.59089
264	0.91478	-0.22719	1.95456	19.14781	368.60858	332.38821	363.49678	-0.19016	-0.25900	329.44112
265	0.72502	1.99732	2.39946	17.25018	354.37632	382.43964	399.31596	1.67175	2.27694	408.34854
266	0.37174	-0.01701	1.99660	13.71744	327.88080	337.11730	327.49811	-0.01424	-0.01939	336.89667
267	0.90191	-1.16826	1.76635	19.01910	367.64324	311.21419	341.35743	-0.97783	-1.33181	296.05972
268	0.39973	-1.34469	1.73106	13.99726	329.97945	307.24448	299.72393	-1.12551	-1.53295	289.80137
269	0.19400	-1.15370	1.76926	11.94003	314.55024	311.54185	288.59210	-0.96564	-1.31521	296.57629
270	0.61262	0.81006	2.16201	16.12616	345.94621	355.72625	364.17247	0.67802	0.92346	366.23418
271	0.24009	-0.13400	1.97320	12.40087	318.00652	334.48507	314.99159	-0.11216	-0.15276	332.74689
272	0.14014	-1.32322	1.73536	11.40140	310.51050	307.72764	280.73814	-1.10753	-1.50847	290.56307
273	0.33369	1.97646	2.39529	13.33690	325.02674	381.97036	369.49710	1.65430	2.25316	407.60871
274	0.32658	0.75411	2.15082	13.26576	324.49324	354.46752	341.46076	0.63119	0.85969	364.24975
275	0.77074	-0.92693	1.81461	17.70741	357.80554	316.64412	336.94966	-0.77584	-1.05670	304.62015
276	0.83601	0.74033	2.14807	18.36007	362.70056	354.15750	379.35805	0.61966	0.84398	363.76099
277	0.77721	0.06789	2.01358	17.77207	358.29053	339.02746	359.81800	0.05682	0.07739	339.90809
278	0.51974	-0.55090	1.88982	15.19741	338.98056	325.10465	326.58521	-0.46111	-0.62803	317.95840
279	0.28355	-0.16409	1.96718	12.83550	321.26624	333.80806	317.57430	-0.13734	-0.18706	331.67956
280	0.62234	-1.07584	1.78483	16.22345	346.67585	313.29371	322.46956	-0.90047	-1.22645	299.33813
281	0.74780	-1.45554	1.70889	17.47803	356.08522	304.75045	323.33568	-1.21828	-1.65931	285.86947
282	0.32471	-2.48210	1.50358	13.24710	324.35329	281.65266	268.50595	-2.07752	-2.82960	249.45518
283	0.40885	1.10598	2.22120	14.08851	330.66383	362.38465	355.54848	0.92571	1.26082	376.73131
284	0.55906	-2.43869	1.51226	15.59058	341.92934	282.62958	287.05892	-2.04118	-2.78010	250.99532

285	0.08526	1.13217	2.22643	10.85265	306.39484	362.97372	331.86857	0.94762	1.29067	377.66000
286	0.04190	-0.80098	1.83980	10.41896	303.14221	319.47787	285.12008	-0.67042	-0.91312	309.08763
287	0.14765	0.21262	2.04252	11.47654	311.07404	342.28387	315.85791	0.17796	0.24238	345.04189
288	0.61922	-0.73218	1.85356	16.19217	346.44130	321.02598	329.96728	-0.61283	-0.83468	311.52826
289	0.18535	0.06578	2.01316	11.85351	313.90135	338.97998	315.38133	0.05506	0.07499	339.83322
290	0.20036	0.82829	2.16566	12.00358	315.02685	356.13645	333.66330	0.69328	0.94425	366.88087
291	0.41701	-0.75146	1.84971	14.17011	331.27585	320.59216	314.36801	-0.62897	-0.85666	310.84435
292	0.70890	0.14131	2.02826	17.08901	353.16755	340.67946	356.34701	0.11828	0.16109	342.51251
293	0.49233	0.98609	2.19722	14.92331	336.92480	359.68714	359.11193	0.82536	1.12415	372.47861
294	0.60041	-0.41356	1.91729	16.00414	345.03108	328.19485	335.72593	-0.34615	-0.47146	322.83018
295	0.16499	-0.58885	1.88223	11.64990	312.37423	324.25096	299.12519	-0.49286	-0.67128	316.61254
296	0.98133	-3.13266	1.37347	19.81335	373.60011	267.01522	303.11533	-2.62203	-3.57123	226.37887
297	0.29371	-1.97610	1.60478	12.93708	322.02809	293.03781	277.56590	-1.65399	-2.25275	267.40417
298	0.34802	-0.64640	1.87072	13.48024	326.10179	322.95598	311.55776	-0.54104	-0.73690	314.57096
299	0.23594	1.02309	2.20462	12.35942	317.69564	360.51944	340.71508	0.85632	1.16632	373.79076
300	0.47553	1.29659	2.25932	14.75530	335.66474	366.67322	364.83796	1.08524	1.47811	383.49236
301	0.22930	0.60875	2.12175	12.29300	317.19753	351.19697	330.89450	0.50953	0.69398	359.09364
302	0.85149	-0.93921	1.81216	18.51492	363.86191	316.36786	342.72976	-0.78612	-1.07070	304.18461
303	0.02825	0.56216	2.11243	10.28255	302.11909	350.14857	314.76766	0.47053	0.64086	357.44081
304	0.87418	-0.33414	1.93317	18.74182	365.56366	329.98184	358.04550	-0.27968	-0.38092	325.64742
305	0.37864	-0.73885	1.85223	13.78639	328.39791	320.87590	311.77381	-0.61842	-0.84229	311.29167
306	0.78286	-1.15058	1.76988	17.82859	358.71439	311.61192	332.82631	-0.96304	-1.31166	296.68675
307	0.50296	3.07387	2.61477	15.02961	337.72206	406.66207	406.88413	2.57283	3.50421	446.53585
308	0.26256	-0.19756	1.96049	12.62556	319.69172	333.05486	315.24658	-0.16536	-0.22522	330.49212
309	0.78334	0.04935	2.00987	17.83338	358.75032	338.61034	359.86066	0.04130	0.05626	339.25049
310	0.55442	-0.69418	1.86116	15.54416	341.58123	321.88088	325.96212	-0.58103	-0.79137	312.87605
311	0.07749	-0.25821	1.94836	10.77486	305.81148	331.69032	300.00180	-0.21612	-0.29436	328.34089
312	0.31460	0.54929	2.10986	13.14599	323.59492	349.85902	335.95394	0.45976	0.62619	356.98432
313	0.46413	0.92770	2.18554	14.64134	334.81005	358.37315	355.68320	0.77648	1.05757	370.40708

314	0.70065	2.05207	2.41041	17.00647	352.54849	383.67147	398.71996	1.71758	2.33935	410.29055
315	0.76713	-0.05673	1.98865	17.67126	357.53444	336.22361	356.25804	-0.04748	-0.06467	335.48773
316	0.08351	-2.03078	1.59384	10.83511	306.26331	291.80750	260.57082	-1.69976	-2.31509	265.46456
317	0.56677	-0.22714	1.95457	15.66772	342.50790	332.38943	337.39733	-0.19011	-0.25894	329.44305
318	0.73759	0.60673	2.12135	17.37594	355.31957	351.15136	368.97094	0.50783	0.69167	359.02174
319	0.74714	-0.22853	1.95429	17.47139	356.03542	332.35803	350.89345	-0.19128	-0.26053	329.39355
320	0.16401	-0.23016	1.95397	11.64011	312.30079	332.32148	307.12226	-0.19264	-0.26238	329.33592
321	0.52452	0.48987	2.09797	15.24523	339.33922	348.52218	350.36140	0.41003	0.55846	354.87676
322	0.65661	2.01700	2.40340	16.56605	349.24541	382.88253	394.62794	1.68823	2.29938	409.04677
323	0.56844	0.38394	2.07679	15.68437	342.63275	346.13867	351.27143	0.32136	0.43769	351.11910
324	0.71619	0.28937	2.05787	17.16191	353.71435	344.01074	360.22509	0.24220	0.32988	347.76436
325	0.02750	0.22885	2.04577	10.27501	302.06257	342.64915	307.21172	0.19155	0.26089	345.61777
326	0.20880	-0.99309	1.80138	12.08800	315.66000	315.15541	293.31542	-0.83122	-1.13213	302.27316
327	0.30224	-0.52917	1.89417	13.02238	322.66784	325.59357	310.76141	-0.44292	-0.60326	318.72919
328	0.71237	-0.29098	1.94180	17.12372	353.42787	330.95284	346.88071	-0.24355	-0.33172	327.17822
329	0.82907	0.29519	2.05904	18.29070	362.18022	344.14166	368.82189	0.24707	0.33651	347.97076
330	0.17332	1.65181	2.33036	11.73321	312.99908	374.66564	350.16473	1.38256	1.88306	396.09263
331	0.00794	-2.47677	1.50465	10.07940	300.59547	281.77274	244.86821	-2.07305	-2.82351	249.64450
332	0.44018	0.57240	2.11448	14.40175	333.01313	350.37892	345.89205	0.47910	0.65253	357.80396
333	0.02164	0.50436	2.10087	10.21637	301.62280	348.84804	312.97084	0.42215	0.57497	355.39049
334	0.65822	0.05320	2.01064	16.58219	349.36644	338.69689	350.56333	0.04452	0.06064	339.38693
335	0.68940	-2.45354	1.50929	16.89405	351.70534	282.29532	296.50067	-2.05361	-2.79704	250.46835
336	0.82265	-1.11420	1.77716	18.22653	361.69898	312.43041	336.62939	-0.93259	-1.27019	297.97713
337	0.32987	1.36411	2.27282	13.29874	324.74053	368.19236	355.43289	1.14176	1.55508	385.88733
338	0.18776	-0.20961	1.95808	11.87759	314.08189	332.78377	309.36567	-0.17544	-0.23896	330.06474
339	0.65859	0.16642	2.03328	16.58594	349.39454	341.24444	353.13898	0.13929	0.18972	343.40321
340	0.98745	1.61819	2.32364	19.87448	374.05862	373.90937	410.46799	1.35443	1.84474	394.90034
341	0.04307	-0.44166	1.91167	10.43065	303.22991	327.56267	293.29257	-0.36967	-0.50349	321.83353
342	0.80036	0.86968	2.17394	18.00356	360.02669	357.06774	379.59443	0.72792	0.99143	368.34906

343	0.58057	0.24339	2.04868	15.80570	343.54276	342.97637	349.01914	0.20372	0.27747	346.13365
344	0.64265	-0.11657	1.97669	16.42651	348.19886	334.87719	345.57605	-0.09757	-0.13289	333.36507
345	0.04283	0.25247	2.05049	10.42829	303.21220	343.18054	308.89275	0.21132	0.28781	346.45553
346	0.83367	0.98976	2.19795	18.33670	362.52526	359.76955	384.79481	0.82843	1.12832	372.60854
347	0.49418	-0.31034	1.93793	14.94179	337.06341	330.51732	330.08073	-0.25976	-0.35379	326.49162
348	0.66357	0.05953	2.01191	16.63571	349.76786	338.83948	351.10733	0.04983	0.06787	339.61172
349	0.64457	-0.50026	1.89995	16.44566	348.34244	326.24405	337.08648	-0.41872	-0.57030	319.75469
350	0.21813	-0.87495	1.82501	12.18129	316.35968	317.81364	296.67332	-0.73233	-0.99744	306.46393
351	0.09602	0.67259	2.13452	10.96017	307.20128	352.63331	322.33459	0.56296	0.76675	361.35807
352	0.75847	-0.23061	1.95388	17.58468	356.88508	332.31134	351.69642	-0.19302	-0.26289	329.31993
353	0.56693	1.93430	2.38686	15.66927	342.51954	381.02179	386.04133	1.61901	2.20510	406.11326
354	0.34498	2.07174	2.41435	13.44981	325.87354	384.11404	372.48758	1.73404	2.36178	410.98828
355	0.08741	-1.52142	1.69572	10.87410	306.55575	303.26807	272.32382	-1.27343	-1.73442	283.53245
356	0.09952	0.11891	2.02378	10.99521	307.46408	340.17541	310.13949	0.09953	0.13555	341.71786
357	0.65057	-0.23036	1.95393	16.50574	348.79303	332.31683	343.60986	-0.19281	-0.26261	329.32859
358	0.19282	0.23688	2.04738	11.92818	314.46137	342.82971	319.79109	0.19827	0.27004	345.90244
359	0.69720	-0.39113	1.92177	16.97199	352.28990	328.69963	343.48953	-0.32737	-0.44589	323.62598
360	0.81826	0.37546	2.07509	18.18262	361.36962	345.94794	369.81757	0.31426	0.42803	350.81841
361	0.52338	-1.91222	1.61756	15.23385	339.25384	294.47498	296.22882	-1.60053	-2.17993	269.66991
362	0.52359	-0.06579	1.98684	15.23590	339.26926	336.01979	337.78905	-0.05506	-0.07500	335.16641
363	0.97929	0.77997	2.15599	19.79292	373.44691	355.04927	390.99618	0.65283	0.88916	365.16690
364	0.96350	-0.08685	1.98263	19.63496	372.26217	335.54580	370.30797	-0.07270	-0.09901	334.41915
365	0.47109	-0.36422	1.92716	14.71090	335.33172	329.30515	327.13687	-0.30485	-0.41521	324.58060
366	0.60224	-0.33557	1.93289	16.02240	345.16799	329.94958	337.61757	-0.28088	-0.38255	325.59656
367	0.84485	-0.72519	1.85496	18.44850	363.36377	321.18322	347.04699	-0.60698	-0.82672	311.77616
368	0.39774	1.00228	2.20046	13.97737	329.83025	360.05119	352.38144	0.83890	1.14259	373.05255
369	0.75985	0.54071	2.10814	17.59848	356.98858	349.66608	369.15465	0.45258	0.61641	356.68014
370	0.76012	-0.10345	1.97931	17.60122	357.00915	335.17233	354.68148	-0.08659	-0.11794	333.83036
371	0.37093	-0.08807	1.98239	13.70934	327.82002	335.51847	325.83848	-0.07371	-0.10040	334.37606

372	0.28036	-0.44925	1.91015	12.80365	321.02735	327.39184	310.91919	-0.37602	-0.51215	321.56422
373	0.08867	1.65744	2.33149	10.88672	306.65040	374.79249	343.94289	1.38728	1.88949	396.29261
374	0.31009	1.99067	2.39813	13.10093	323.25698	382.29000	368.04698	1.66619	2.26936	408.11263
375	0.73481	2.21709	2.44342	17.34808	355.11057	387.38450	404.99508	1.85570	2.52748	416.14425
376	0.91192	0.60535	2.12107	19.11923	368.39419	351.12029	382.01448	0.50667	0.69009	358.97275
377	0.68303	0.45634	2.09127	16.83030	351.22725	347.76766	361.49490	0.38196	0.52023	353.68723
378	0.68460	0.83574	2.16715	16.84596	351.34472	356.30412	370.14884	0.69951	0.95274	367.14519
379	0.01054	0.37155	2.07431	10.10538	300.79036	345.85978	309.15013	0.31098	0.42356	350.67941
380	0.11387	1.04900	2.20980	11.13867	308.54002	361.10248	332.14250	0.87801	1.19586	374.70995
381	0.76080	0.08888	2.01778	17.60795	357.05963	339.49971	359.05934	0.07439	0.10132	340.65260
382	0.68340	-1.49733	1.70053	16.83402	351.25519	303.81003	317.56522	-1.25327	-1.70696	284.38687
383	0.94548	0.19428	2.03886	19.45480	370.91103	341.87139	375.28242	0.16262	0.22148	344.39162
384	0.68953	1.07400	2.21480	16.89532	351.71493	361.66496	375.87988	0.89894	1.22436	375.59670
385	0.97028	1.10074	2.22015	19.70279	372.77094	362.26667	397.53761	0.92132	1.25484	376.54531
386	0.48278	1.52449	2.30490	14.82780	336.20852	371.80112	370.50965	1.27600	1.73792	391.57663
387	0.08862	-0.61335	1.87733	10.88617	306.64626	323.69973	292.84599	-0.51337	-0.69921	315.74350
388	0.38264	0.56599	2.11320	13.82645	328.69837	350.23484	341.43320	0.47374	0.64523	357.57681
389	0.11230	1.35876	2.27175	11.12299	308.42245	368.07206	338.99451	1.13728	1.54898	385.69767
390	0.41443	-0.97526	1.80495	14.14427	331.08199	315.55668	309.13867	-0.81629	-1.11180	302.90576
391	0.26645	1.31651	2.26330	12.66447	319.98350	367.12149	349.60499	1.10192	1.50082	384.19907
392	0.16866	0.11001	2.02200	11.68661	312.64960	339.97519	315.12478	0.09208	0.12541	341.40220
393	0.69008	-0.45780	1.90844	16.90081	351.75605	327.19956	341.45561	-0.38318	-0.52189	321.26107
394	0.18571	1.32966	2.26593	11.85712	313.92837	367.41735	343.84572	1.11293	1.51581	384.66550
395	0.25525	-0.71149	1.85770	12.55252	319.14390	321.49144	303.13534	-0.59552	-0.81110	312.26208
396	0.02142	1.76690	2.35338	10.21422	301.60662	377.25516	341.36179	1.47889	2.01426	400.17508
397	0.03323	-1.16812	1.76638	10.33233	302.49246	311.21737	276.20983	-0.97771	-1.33165	296.06474
398	0.54284	0.15152	2.03030	15.42844	340.71327	340.90912	344.12239	0.12682	0.17273	342.87456
399	0.57194	-0.93288	1.81342	15.71940	342.89550	316.51014	321.90565	-0.78082	-1.06349	304.40893
400	0.59637	-0.34499	1.93100	15.96370	344.72775	329.73777	336.96552	-0.28875	-0.39329	325.26265

401	0.18980	-0.10616	1.97877	11.89803	314.23522	335.11132	311.84654	-0.08886	-0.12103	333.73418
402	0.01851	0.26482	2.05296	10.18507	301.38804	343.45839	307.34643	0.22165	0.30189	346.89356
403	0.05029	1.43106	2.28621	10.50289	303.77164	369.69879	335.97043	1.19780	1.63141	388.26225
404	0.19897	-1.09040	1.78192	11.98965	314.92239	312.96602	290.38841	-0.91266	-1.24305	298.82153
405	0.00829	-0.72651	1.85470	10.08286	300.62145	321.15352	284.27497	-0.60809	-0.82822	311.72934
406	0.26380	1.27239	2.25448	12.63800	319.78499	366.12876	348.41375	1.06499	1.45052	382.63400
407	0.68441	0.57399	2.11480	16.84408	351.33060	350.41487	364.24547	0.48043	0.65435	357.86064
408	0.84528	-0.11398	1.97720	18.45280	363.39603	334.93555	360.83159	-0.09540	-0.12993	333.45708
409	0.62852	-0.07477	1.98505	16.28519	347.13894	335.81765	345.45659	-0.06258	-0.08524	334.84773
410	0.52231	1.05991	2.21198	15.22313	339.17349	361.34795	363.02144	0.88714	1.20830	375.09693
411	0.51730	0.95002	2.19000	15.17298	338.79735	358.87541	360.17276	0.79517	1.08302	371.19890
412	0.22782	-0.59461	1.88108	12.27818	317.08632	324.12129	303.70761	-0.49769	-0.67785	316.40810
413	0.93101	-0.28770	1.94246	19.31010	369.82573	331.02677	363.35250	-0.24080	-0.32798	327.29478
414	0.48092	0.77463	2.15493	14.80921	336.06904	354.92927	353.49830	0.64837	0.88308	364.97770
415	0.83101	-0.83760	1.83248	18.31014	362.32603	318.65391	343.47994	-0.70107	-0.95487	307.78864
416	0.84672	-1.35840	1.72832	18.46722	363.50417	306.93593	332.94010	-1.13698	-1.54858	289.31493
417	0.86128	1.06389	2.21278	18.61275	364.59563	361.43761	388.53324	0.89048	1.21284	375.23828
418	0.44959	0.35408	2.07082	14.49590	333.71923	345.46681	341.68604	0.29637	0.40365	350.05989
419	0.25399	0.27423	2.05485	12.53989	319.04919	343.67018	325.21937	0.22953	0.31262	347.22745
420	0.79669	0.93252	2.18650	17.96692	359.75188	358.48176	380.73364	0.78052	1.06308	370.57831
421	0.99714	-1.21679	1.75664	19.97140	374.78551	310.12215	347.40766	-1.01846	-1.38714	294.33809
422	0.93371	-1.37153	1.72569	19.33711	370.02836	306.64059	339.16895	-1.14797	-1.56354	288.84931
423	0.88802	1.22857	2.24571	18.88020	366.60151	365.14281	394.24432	1.02831	1.40057	381.07963
424	0.95410	0.77589	2.15518	19.54103	371.55771	354.95758	389.01529	0.64942	0.88452	365.02235
425	0.60548	-0.27231	1.94554	16.05481	345.41110	331.37304	339.28414	-0.22792	-0.31043	327.84068
426	0.32452	-0.27500	1.94500	13.24520	324.33898	331.31241	318.15138	-0.23018	-0.31350	327.74510
427	0.20251	1.07897	2.21579	12.02513	315.18846	361.77676	339.46522	0.90310	1.23002	375.77297
428	0.63186	-1.98242	1.60352	16.31860	347.38952	292.89556	302.78508	-1.65929	-2.25996	267.17991
429	0.67445	0.33198	2.06640	16.74446	350.58348	344.96948	358.05296	0.27786	0.37845	349.27583

430	0.42125	0.14971	2.02994	14.21249	331.59369	340.86841	334.96210	0.12530	0.17067	342.81038
431	0.93476	0.87843	2.17569	19.34762	370.10715	357.26461	389.87176	0.73524	1.00141	368.65944
432	0.54393	-1.38447	1.72311	15.43926	340.79443	306.34952	309.64394	-1.15880	-1.57829	288.39044
433	0.75880	0.15951	2.03190	17.58802	356.91016	341.08898	360.49914	0.13351	0.18184	343.15812
434	0.18769	-0.02013	1.99597	11.87693	314.07694	337.04710	313.62404	-0.01685	-0.02295	336.78599
435	0.54828	0.66752	2.13350	15.48283	341.12119	352.51909	356.14028	0.55871	0.76097	361.17800
436	0.98452	1.40246	2.28049	19.84520	373.83900	369.05526	405.39425	1.17386	1.59880	387.24770
437	0.82722	-0.90917	1.81817	18.27216	362.04122	317.04360	341.58482	-0.76098	-1.03646	305.24994
438	0.02344	1.33831	2.26766	10.23440	301.75801	367.61207	331.87008	1.12017	1.52568	384.97248
439	0.95813	-1.42241	1.71552	19.58133	371.85997	305.49578	339.85575	-1.19056	-1.62155	287.04449
440	0.34081	1.37234	2.27447	13.40805	325.56041	368.37761	356.43802	1.14865	1.56447	386.17937
441	0.91722	0.31338	2.06268	19.17216	368.79122	344.55107	375.84230	0.26230	0.35725	348.61621
442	0.65402	0.88407	2.17681	16.54017	349.05131	357.39149	368.94280	0.73996	1.00784	368.85947
443	0.07168	-0.58152	1.88370	10.71676	305.37567	324.41577	292.29144	-0.48673	-0.66293	316.87237
444	0.65181	-0.59552	1.88090	16.51810	348.88576	324.10078	335.48653	-0.49845	-0.67889	316.37577
445	0.97184	-0.94453	1.81109	19.71837	372.88774	316.24804	351.63578	-0.79057	-1.07677	303.99572
446	0.65626	-0.69054	1.86189	16.56257	349.21924	321.96279	333.68203	-0.57798	-0.78722	313.00517
447	0.70429	0.67149	2.13430	17.04295	352.82211	352.60844	367.93055	0.56203	0.76549	361.31885
448	0.08229	0.13501	2.02700	10.82291	306.17186	340.53776	309.20961	0.11300	0.15391	342.28911
449	0.07169	2.97379	2.59476	10.71687	305.37650	404.41032	372.28683	2.48906	3.39012	442.98591
450	0.83795	-1.05962	1.78808	18.37952	362.84643	313.65863	339.00507	-0.88690	-1.20796	299.91345
451	0.46659	0.94862	2.18972	14.66590	334.99423	358.84405	356.33828	0.79400	1.08143	371.14947
452	0.97324	-0.72729	1.85454	19.73240	372.99297	321.13600	356.62897	-0.60874	-0.82911	311.70171
453	0.23903	-0.78101	1.84380	12.39032	317.92743	319.92720	300.35463	-0.65371	-0.89036	309.79601
454	0.41827	1.59898	2.31980	14.18266	331.36995	373.47716	367.34711	1.33835	1.82284	394.21895
455	0.79697	-0.43564	1.91287	17.96974	359.77307	327.69802	349.97109	-0.36463	-0.49663	322.04691
456	0.74710	1.35908	2.27182	17.47104	356.03284	368.07932	386.61216	1.13755	1.54935	385.70912
457	0.58502	-1.14016	1.77197	15.85016	343.87618	311.84649	318.22266	-0.95431	-1.29978	297.05655
458	0.35896	-0.16094	1.96781	13.58956	326.92171	333.87878	323.30048	-0.13471	-0.18348	331.79104

459	0.97487	-1.17032	1.76594	19.74870	373.11521	311.16786	346.78307	-0.97956	-1.33416	295.98668
460	0.63168	0.16445	2.03289	16.31677	347.37578	341.20018	351.07596	0.13765	0.18748	343.33343
461	0.59597	-1.11048	1.77790	15.95968	344.69757	312.51422	319.71178	-0.92947	-1.26595	298.10924
462	0.42690	0.63377	2.12675	14.26896	332.01723	351.75977	346.27700	0.53046	0.72249	359.98091
463	0.84809	-0.88568	1.82286	18.48092	363.60694	317.57221	343.67915	-0.74131	-1.00967	306.08331
464	0.89048	0.45408	2.09082	18.90484	366.78630	347.71691	377.00320	0.38007	0.51766	353.60722
465	0.36427	-0.12947	1.97411	13.64268	327.32008	334.58690	324.40698	-0.10837	-0.14760	332.90742
466	0.24863	1.30000	2.26000	12.48628	318.64709	366.75004	347.89713	1.08810	1.48200	383.61347
467	0.68963	-0.06410	1.98718	16.89628	351.72213	336.05774	350.27987	-0.05365	-0.07307	335.22623
468	0.58473	0.49619	2.09924	15.84734	343.85505	348.66437	355.01941	0.41531	0.56566	355.10092
469	0.62387	1.34932	2.26986	16.23870	346.79022	367.85975	377.14997	1.12938	1.53823	385.36295
470	0.37690	-0.92655	1.81469	13.76900	328.26754	316.65257	307.42010	-0.77552	-1.05627	304.63347
471	0.56646	-0.37113	1.92577	15.66459	342.48439	329.14960	334.13399	-0.31063	-0.42309	324.33537
472	0.46910	-0.34700	1.93060	14.69102	335.18262	329.69244	327.37506	-0.29044	-0.39558	325.19118
473	0.19122	0.48518	2.09704	11.91219	314.34143	348.41664	325.25807	0.40610	0.55311	354.71038
474	0.81806	-0.23825	1.95235	18.18058	361.35434	332.13931	355.99364	-0.19942	-0.27161	329.04872
475	0.09792	2.43268	2.48654	10.97916	307.34368	392.23519	362.07887	2.03615	2.77325	423.79149
476	0.66986	0.34702	2.06940	16.69862	350.23967	345.30791	358.04758	0.29045	0.39560	349.80938
477	0.37506	0.62022	2.12404	13.75058	328.12934	351.45490	342.08424	0.51912	0.70705	359.50027
478	0.59780	0.26862	2.05372	15.97805	344.83537	343.54389	350.87927	0.22483	0.30622	347.02836
479	0.30832	0.63122	2.12624	13.08317	323.12380	351.70237	337.32617	0.52833	0.71959	359.89041
480	0.88869	0.73041	2.14608	18.88690	366.65176	353.93414	383.08590	0.61135	0.83266	363.40886
481	0.21609	0.23028	2.04606	12.16092	316.20687	342.68137	321.38824	0.19275	0.26252	345.66857
482	0.85186	-0.29859	1.94028	18.51864	363.88977	330.78166	357.17142	-0.24992	-0.34040	326.90835
483	0.27105	-0.35734	1.92853	12.71052	320.32889	329.45977	312.28866	-0.29910	-0.40737	324.82436
484	0.56935	-0.17801	1.96440	15.69348	342.70110	333.49479	338.69589	-0.14899	-0.20293	331.18568
485	0.03115	-1.95743	1.60851	10.31152	302.33637	293.45781	258.29418	-1.63837	-2.23147	268.06632
486	0.56439	0.12192	2.02438	15.64389	342.32916	340.24316	345.07232	0.10205	0.13899	341.82466
487	0.68309	-0.72587	1.85483	16.83089	351.23171	321.16791	334.89962	-0.60755	-0.82749	311.75202

488	0.68504	0.39000	2.07800	16.85041	351.37808	346.27491	360.15299	0.32643	0.44460	351.33387
489	0.48600	-1.20071	1.75986	14.85996	336.44973	310.48413	309.43386	-1.00499	-1.36880	294.90876
490	0.14220	0.78966	2.15793	11.42203	310.66523	355.26735	328.43258	0.66095	0.90021	365.51070
491	0.00716	0.20321	2.04064	10.07159	300.53692	342.07222	305.10914	0.17009	0.23166	344.70823
492	0.31936	-0.97740	1.80452	13.19361	323.95207	315.50840	301.96047	-0.81809	-1.11424	302.82966
493	0.49827	0.33066	2.06613	14.98269	337.37016	344.93993	344.81009	0.27677	0.37696	349.22925
494	0.40282	-1.04793	1.79041	14.02823	330.21173	313.92155	306.63327	-0.87712	-1.19464	300.32794
495	0.24704	0.54712	2.10942	12.47036	318.52774	349.81030	330.83804	0.45794	0.62372	356.90752
496	0.94234	-1.33883	1.73223	19.42338	370.67538	307.37629	340.55167	-1.12060	-1.52627	290.00917
497	0.88150	0.86814	2.17363	18.81505	366.11287	357.03306	385.64593	0.72663	0.98968	368.29439
498	0.45321	0.75690	2.15138	14.53210	333.99078	354.53034	351.02112	0.63353	0.86287	364.34879
499	0.10714	-0.12925	1.97415	11.07141	308.03556	334.59184	305.12740	-0.10818	-0.14735	332.91522
500	0.71462	-0.01155	1.99769	17.14620	353.59650	337.24015	353.33666	-0.00967	-0.01317	337.09035
501	0.61934	0.58977	2.11795	16.19335	346.45015	350.76991	359.72007	0.49364	0.67234	358.42037
502	0.16947	-0.01306	1.99739	11.69469	312.71018	337.20622	312.41639	-0.01093	-0.01489	337.03684
503	0.26579	-0.37202	1.92560	12.65795	319.93460	329.12956	311.56416	-0.31138	-0.42410	324.30378
504	0.21148	-0.54905	1.89019	12.11478	315.86087	325.14644	303.50731	-0.45955	-0.62591	318.02429
505	0.31440	-0.16256	1.96749	13.14395	323.57966	333.84237	319.92202	-0.13606	-0.18532	331.73364
506	0.04406	-1.03778	1.79244	10.44058	303.30432	314.14992	279.95424	-0.86862	-1.18307	300.68797
507	0.47645	0.09565	2.01913	14.76455	335.73411	339.65219	337.88630	0.08006	0.10904	340.89299
508	0.77496	-1.93677	1.61265	17.74959	358.12189	293.92268	314.54457	-1.62108	-2.20792	268.79920
509	0.72776	-1.17910	1.76418	17.27761	354.58208	310.97015	328.05223	-0.98691	-1.34418	295.67498
510	0.48063	1.97364	2.39473	14.80626	336.04698	381.90701	380.45398	1.65194	2.24995	407.50883
511	0.88692	1.22850	2.24570	18.86924	366.51930	365.14132	394.16062	1.02826	1.40049	381.07727
512	0.53212	-0.57730	1.88454	15.32121	339.90907	324.51080	326.91986	-0.48320	-0.65812	317.02217
513	0.35593	-0.89302	1.82140	13.55927	326.69455	317.40707	306.60162	-0.74746	-1.01804	305.82297
514	0.07095	-0.11076	1.97785	10.70951	305.32131	335.00795	302.82926	-0.09270	-0.12626	333.57122
515	0.46924	-2.13084	1.57383	14.69237	335.19275	289.55608	287.24883	-1.78351	-2.42916	261.91512
516	0.46159	0.14660	2.02932	14.61586	334.61896	340.79845	337.91741	0.12270	0.16712	342.70009

517	0.87810	-0.21120	1.95776	18.78096	365.85719	332.74800	361.10519	-0.17677	-0.24077	330.00834
518	0.15704	0.40330	2.08066	11.57042	311.77815	346.57423	320.85238	0.33756	0.45976	351.80577
519	0.40393	-1.45035	1.70993	14.03932	330.29492	304.86706	297.66198	-1.21395	-1.65340	286.05330
520	0.88849	0.06028	2.01206	18.88493	366.63699	338.85639	367.99338	0.05046	0.06872	339.63838
521	0.90609	-1.37489	1.72502	19.06085	367.95640	306.56509	337.02148	-1.15078	-1.56737	288.73029
522	0.57512	-1.19686	1.76063	15.75124	343.13431	310.57062	316.20493	-1.00177	-1.36442	295.04511
523	0.11214	-0.99465	1.80107	11.12136	308.41020	315.12034	286.03054	-0.83252	-1.13390	302.21787
524	0.66905	1.98722	2.39744	16.69054	350.17902	382.21251	394.89153	1.66331	2.26543	407.99046
525	0.78343	1.82587	2.36517	17.83433	358.75746	378.58208	399.83954	1.52825	2.08149	402.26699
526	0.15572	0.29776	2.05955	11.55715	311.67863	344.19960	318.37824	0.24923	0.33945	348.06210
527	0.10355	-1.50301	1.69940	11.03554	307.76654	303.68222	273.94876	-1.25802	-1.71343	284.18537
528	0.43034	0.00193	2.00039	14.30336	332.27520	337.54338	332.31858	0.00161	0.00220	337.56839
529	0.65708	0.21707	2.04341	16.57076	349.28070	342.38411	354.16480	0.18169	0.24746	345.19992
530	0.47572	-0.68710	1.86258	14.75723	335.67921	322.04032	320.21953	-0.57510	-0.78329	313.12740
531	0.47353	-0.54301	1.89140	14.73526	335.51446	325.28226	323.29671	-0.45450	-0.61903	318.23840
532	0.55312	1.10335	2.22067	15.53122	341.48416	362.32530	366.30946	0.92350	1.25782	376.63774
533	0.32444	-0.82228	1.83554	13.24437	324.33281	318.99865	305.83146	-0.68825	-0.93740	308.33213
534	0.82012	0.56379	2.11276	18.20118	361.50883	350.18525	374.19408	0.47189	0.64272	357.49864
535	0.71773	-0.62508	1.87498	17.17727	353.82953	323.43570	339.76523	-0.52319	-0.71259	315.32725
536	0.83957	0.00539	2.00108	18.39571	362.96784	337.62121	363.08905	0.00451	0.00614	337.69109
537	0.67250	1.01644	2.20329	16.72497	350.43728	360.36986	373.30714	0.85076	1.15874	373.55494
538	0.65932	0.63597	2.12719	16.59316	349.44871	351.80927	363.75798	0.53230	0.72500	360.05895
539	0.12597	-0.06025	1.98795	11.25967	309.44752	336.14441	308.09194	-0.05043	-0.06868	335.36288
540	0.12711	-0.84592	1.83082	11.27106	309.53297	318.46679	290.49976	-0.70804	-0.96435	307.49363
541	0.27616	-0.35122	1.92976	12.76158	320.71184	329.59747	312.80932	-0.29397	-0.40039	325.04145
542	0.38623	0.15398	2.03080	13.86230	328.96728	340.96458	332.43186	0.12888	0.17554	342.96201
543	0.37423	0.93682	2.18736	13.74231	328.06734	358.57850	349.14585	0.78412	1.06798	370.73082
544	0.70476	0.45488	2.09098	17.04763	352.85722	347.73479	363.09201	0.38073	0.51856	353.63542
545	0.95139	-0.95957	1.80809	19.51393	371.35445	315.90972	349.76416	-0.80316	-1.09391	303.46234

546	0.05615	1.07290	2.21458	10.56153	304.21148	361.64028	328.35176	0.89802	1.22311	375.55780
547	0.76521	0.14300	2.02860	17.65207	357.39050	340.71741	360.60791	0.11969	0.16302	342.57234
548	0.82823	0.06236	2.01247	18.28233	362.11751	338.90318	363.52068	0.05220	0.07109	339.71214
549	0.11977	0.21138	2.04228	11.19768	308.98261	342.25594	313.73855	0.17692	0.24097	344.99787
550	0.94252	-1.13897	1.77221	19.42518	370.68884	311.87325	345.06209	-0.95332	-1.29842	297.09874
551	0.89809	-0.67469	1.86506	18.98085	367.35638	322.31944	352.17582	-0.56472	-0.76915	313.56745
552	0.11520	1.14417	2.22883	11.15197	308.63975	363.24373	334.38348	0.95767	1.30435	378.08567
553	0.11132	0.68739	2.13748	11.11317	308.34877	352.96624	323.81502	0.57534	0.78362	361.88295
554	0.90417	-0.79170	1.84166	19.04168	367.81263	319.68673	349.99936	-0.66265	-0.90254	309.41690
555	0.35779	0.74046	2.14809	13.57789	326.83418	354.16024	343.49442	0.61976	0.84412	363.76531
556	0.36033	0.89358	2.17872	13.60329	327.02467	357.60558	347.13025	0.74793	1.01868	369.19699
557	0.04858	-1.32052	1.73590	10.48579	303.64344	307.78837	273.93181	-1.10527	-1.50539	290.65882
558	0.47022	-0.49669	1.90066	14.70219	335.26639	326.32457	324.09096	-0.41573	-0.56622	319.88164
559	0.96247	1.25381	2.25076	19.62468	372.18512	365.71082	400.39594	1.04944	1.42935	381.97510
560	0.20448	-0.17878	1.96424	12.04483	315.33624	333.47741	311.31366	-0.14964	-0.20381	331.15828
561	0.75020	1.47823	2.29565	17.50198	356.26487	370.76009	389.52496	1.23728	1.68518	389.93541
562	0.58258	-2.32501	1.53500	15.82576	343.69317	285.18728	291.38045	-1.94603	-2.65051	255.02760
563	0.34884	-1.13905	1.77219	13.48836	326.16270	311.87148	300.53417	-0.95338	-1.29851	297.09595
564	0.88576	-2.41097	1.51781	18.85764	366.43229	283.25314	312.18543	-2.01798	-2.74851	251.97838
565	0.03261	1.64608	2.32922	10.32612	302.44592	374.53687	339.48279	1.37777	1.87653	395.88961
566	0.11524	0.30940	2.06188	11.15240	308.64297	344.46161	315.60458	0.25897	0.35272	348.47516
567	0.83223	1.01565	2.20313	18.32227	362.41705	360.35206	385.26911	0.85010	1.15784	373.52688
568	0.24445	0.52178	2.10436	12.44448	318.33357	349.24010	330.07367	0.43673	0.59483	356.00858
569	0.43083	-0.36064	1.92787	14.30832	332.31243	329.38565	324.19808	-0.30185	-0.41113	324.70751
570	0.99993	-0.05595	1.98881	19.99931	374.99481	336.24102	373.73583	-0.04683	-0.06379	335.51518
571	0.83712	1.53759	2.30752	18.37119	362.78392	372.09583	397.37975	1.28696	1.75286	392.04125
572	0.45775	-1.06347	1.78731	14.57749	334.33116	313.57195	310.40310	-0.89012	-1.21235	299.77678
573	0.38320	-1.15997	1.76801	13.83202	328.74012	311.40065	302.64078	-0.97090	-1.32237	296.35368
574	0.47015	0.04841	2.00968	14.70148	335.26111	338.58931	336.35042	0.04052	0.05519	339.21732

575	0.78003	-1.54427	1.69115	17.80029	358.50218	302.75389	323.75607	-1.29256	-1.76047	282.72183
576	0.94930	0.69723	2.13945	19.49299	371.19746	353.18762	386.88508	0.58358	0.79484	362.23195
577	0.87570	0.76756	2.15351	18.75700	365.67748	354.77020	382.94768	0.64245	0.87502	364.72693
578	0.88604	0.07094	2.01419	18.86044	366.45331	339.09622	368.04953	0.05938	0.08088	340.01649
579	0.74354	2.10739	2.42148	17.43539	355.76541	384.91634	403.18175	1.76389	2.40243	412.25313
580	0.65606	-0.68176	1.86365	16.56057	349.20425	322.16032	333.86456	-0.57064	-0.77721	313.31658
581	0.34382	-0.29377	1.94125	13.43816	325.78621	330.89007	319.17628	-0.24589	-0.33490	327.07927
582	0.51836	-0.43463	1.91307	15.18356	338.87672	327.72087	329.09759	-0.36378	-0.49548	322.08295
583	0.01405	0.51836	2.10367	10.14048	301.05359	349.16320	312.71679	0.43387	0.59094	355.88735
584	0.10296	-1.12222	1.77556	11.02957	307.72180	312.25004	282.47184	-0.93930	-1.27933	297.69277
585	0.40296	-0.86384	1.82723	14.02957	330.22177	318.06361	310.78538	-0.72303	-0.98478	306.85802
586	0.49677	0.03548	2.00710	14.96773	337.25800	338.29831	338.05631	0.02970	0.04045	338.75856
587	0.26877	-1.08113	1.78377	12.68767	320.15752	313.17466	295.83217	-0.90490	-1.23248	299.15045
588	0.16500	-0.21451	1.95710	11.65002	312.37514	332.67363	307.54876	-0.17954	-0.24454	329.89109
589	0.18553	-0.71925	1.85615	11.85533	313.91494	321.31685	297.73179	-0.60201	-0.81995	311.98683
590	0.24614	-0.21956	1.95609	12.46138	318.46037	332.55998	313.52035	-0.18377	-0.25029	329.71193
591	0.84649	-0.86400	1.82720	18.46485	363.48639	318.06006	344.04645	-0.72317	-0.98496	306.85241
592	0.87653	1.09590	2.21918	18.76534	365.74004	362.15781	390.39786	0.91727	1.24933	376.37370
593	0.90552	0.24359	2.04872	19.05521	367.91408	342.98084	373.39492	0.20389	0.27770	346.14069
594	0.09343	0.66379	2.13276	10.93431	307.00732	352.43538	321.94270	0.55560	0.75673	361.04603
595	0.29257	-1.70039	1.65992	12.92574	321.94303	299.24131	283.68434	-1.42322	-1.93844	277.18416
596	0.28758	-0.39332	1.92134	12.87582	321.56868	328.65039	312.71907	-0.32921	-0.44838	323.54836
597	0.39671	-0.99717	1.80057	13.96707	329.75301	315.06358	307.31659	-0.83463	-1.13678	302.12838
598	0.45099	0.46765	2.09353	14.50987	333.82401	348.02210	344.34612	0.39142	0.53312	354.08838
599	0.73556	-0.80064	1.83987	17.35562	355.16717	319.48567	337.15284	-0.67013	-0.91273	309.09992
600	0.59552	2.16993	2.43399	15.95524	344.66433	386.32345	393.48779	1.81623	2.47372	414.47147
601	0.97940	0.42872	2.08574	19.79402	373.45513	347.14627	383.10140	0.35884	0.48874	352.70761
602	0.80427	-0.27767	1.94447	18.04273	360.32050	331.25253	354.07303	-0.23241	-0.31654	327.65070
603	0.42194	-1.08838	1.78232	14.21936	331.64523	313.01147	307.15670	-0.91097	-1.24075	298.89317

604	0.48523	-0.23651	1.95270	14.85231	336.39231	332.17861	331.07092	-0.19796	-0.26962	329.11069
605	0.27318	-0.29148	1.94170	12.73179	320.48842	330.94173	313.93014	-0.24397	-0.33229	327.16071
606	0.31751	0.51258	2.10252	13.17510	323.81329	349.03298	335.34626	0.42903	0.58434	355.68204
607	0.39839	-0.46076	1.90785	13.98390	329.87928	327.13289	319.51217	-0.38566	-0.52527	321.15597
608	0.74794	0.33792	2.06758	17.47945	356.09587	345.10326	363.69913	0.28284	0.38523	349.48675
609	0.71007	0.66901	2.13380	17.10070	353.25528	352.55282	368.30810	0.55996	0.76268	361.23117
610	0.15361	-0.13762	1.97248	11.53610	311.52077	334.40365	308.42442	-0.11518	-0.15688	332.61852
611	0.72718	0.38236	2.07647	17.27183	354.53873	346.10303	363.14176	0.32003	0.43589	351.06291
612	0.76572	-0.41864	1.91627	17.65723	357.42922	328.08055	348.00976	-0.35040	-0.47725	322.64998
613	0.50435	-0.99879	1.80024	15.04351	337.82631	315.02726	315.35357	-0.83599	-1.13862	302.07113
614	0.62326	-1.15636	1.76873	16.23259	346.74442	311.48180	320.72622	-0.96788	-1.31826	296.48162
615	0.11257	1.17277	2.23455	11.12570	308.44277	363.88742	334.83019	0.98161	1.33696	379.10047
616	0.96808	0.41065	2.08213	19.68082	372.60616	346.73952	381.84567	0.34371	0.46814	352.06634
617	0.55541	-0.80086	1.83983	15.55411	341.65582	319.48054	323.63636	-0.67032	-0.91299	309.09184
618	0.79130	-1.03207	1.79359	17.91301	359.34755	314.27839	336.12593	-0.86384	-1.17656	300.89051
619	0.38959	-0.34399	1.93120	13.89588	329.21913	329.76023	321.47936	-0.28792	-0.39215	325.29805
620	0.81129	-0.79920	1.84016	18.11291	360.84685	319.51791	342.86476	-0.66893	-0.91109	309.15076
621	0.37343	-1.48847	1.70231	13.73429	328.00720	304.00940	294.51659	-1.24585	-1.69686	284.70117
622	0.22570	-0.89268	1.82146	12.25697	316.92726	317.41477	296.84203	-0.74717	-1.01765	305.83510
623	0.28577	0.78813	2.15763	12.85772	321.43289	355.23301	339.16590	0.65967	0.89847	365.45657
624	0.96713	0.78350	2.15670	19.67134	372.53501	355.12879	390.16380	0.65579	0.89319	365.29225
625	0.61305	0.32679	2.06536	16.13050	345.97873	344.85283	353.33156	0.27353	0.37254	349.09193
626	0.52763	0.62905	2.12581	15.27626	339.57197	351.65356	353.72553	0.52651	0.71711	359.81347
627	0.81465	-0.20952	1.95810	18.14645	361.09838	332.78586	356.38425	-0.17537	-0.23885	330.06803
628	0.74066	-1.37321	1.72536	17.40662	355.54969	306.60284	324.65253	-1.14937	-1.56546	288.78981
629	0.31422	-0.00739	1.99852	13.14217	323.56629	337.33379	323.40008	-0.00618	-0.00842	337.23796
630	0.04939	-0.65408	1.86918	10.49391	303.70435	322.78329	288.98764	-0.54746	-0.74565	314.29872
631	0.12028	-0.35416	1.92917	11.20275	309.02064	329.53150	301.05214	-0.29643	-0.40374	324.93745
632	0.46568	0.06511	2.01302	14.65684	334.92633	338.96495	336.39128	0.05450	0.07422	339.80953

633	0.75858	0.79246	2.15849	17.58582	356.89366	355.33030	374.72396	0.66329	0.90340	365.60995
634	0.49044	-0.09006	1.98199	14.90437	336.78281	335.47371	334.75652	-0.07538	-0.10267	334.30550
635	0.78179	-1.19698	1.76060	17.81786	358.63394	310.56787	331.70180	-1.00188	-1.36456	295.04077
636	0.47426	0.23616	2.04723	14.74262	335.56964	342.81356	340.88319	0.19766	0.26922	345.87696
637	0.91839	0.11887	2.02377	19.18394	368.87957	340.17462	371.55419	0.09950	0.13551	341.71660
638	0.45281	-0.00476	1.99905	14.52814	333.96107	337.39279	333.85386	-0.00399	-0.00543	337.33098
639	0.44892	0.61975	2.12395	14.48920	333.66898	351.44428	347.61326	0.51873	0.70651	359.48353
640	0.99366	0.79739	2.15948	19.93660	374.52447	355.44137	392.46584	0.66742	0.90903	365.78505
641	0.43632	0.18004	2.03601	14.36321	332.72404	341.55085	336.77489	0.15069	0.20524	343.88627
642	0.23894	0.62891	2.12578	12.38936	317.92022	351.65049	332.07070	0.52640	0.71696	359.80862
643	0.80070	0.40787	2.08157	18.00704	360.05281	346.67696	369.22978	0.34138	0.46497	351.96773
644	0.43538	-0.50171	1.89966	14.35383	332.65373	326.21157	321.36530	-0.41993	-0.57195	319.70348
645	0.48351	1.56780	2.31356	14.83508	336.26309	372.77547	371.53856	1.31225	1.78729	393.11272
646	0.31710	2.04318	2.40864	13.17100	323.78247	383.47148	369.75396	1.71014	2.32922	409.97527
647	0.49356	-0.78181	1.84364	14.93561	337.01704	319.90937	319.42641	-0.65437	-0.89126	309.76790
648	0.27128	-0.30545	1.93891	12.71280	320.34600	330.62742	313.47343	-0.25566	-0.34821	326.66520
649	0.40335	-0.75484	1.84903	14.03353	330.25149	320.51617	313.26767	-0.63180	-0.86051	310.72455
650	0.15742	-1.60211	1.67958	11.57421	311.80654	301.45263	275.75917	-1.34096	-1.82640	280.67036
651	0.76644	-0.29192	1.94162	17.66442	357.48313	330.93171	350.91484	-0.24434	-0.33279	327.14492
652	0.58567	0.63261	2.12652	15.85667	343.92499	351.73365	358.15864	0.52949	0.72117	359.93972
653	0.29761	0.54735	2.10947	12.97606	322.32047	349.81538	334.63585	0.45813	0.62398	356.91553
654	0.86907	-0.14957	1.97009	18.69072	365.18043	334.13471	361.81514	-0.12519	-0.17051	332.19453
655	0.49993	-0.43431	1.91314	14.99928	337.49461	327.72797	327.72258	-0.36352	-0.49512	322.09414
656	0.29125	0.71966	2.14393	12.91252	321.84394	353.69239	338.03633	0.60236	0.82041	363.02774
657	0.08054	2.24931	2.44986	10.80541	306.04060	388.10957	356.65017	1.88268	2.56422	417.28733
658	0.65821	2.03379	2.40676	16.58211	349.36582	383.26031	395.12613	1.70228	2.31852	409.64235
659	0.55105	-1.02592	1.79482	15.51050	341.32875	314.41676	318.24551	-0.85870	-1.16955	301.10866
660	0.49763	1.12240	2.22448	14.97634	337.32257	362.75390	362.57647	0.93945	1.27953	377.31345
661	0.73899	0.55435	2.11087	17.38988	355.42410	349.97286	367.89696	0.46399	0.63196	357.16380

662	0.17073	-0.89964	1.82007	11.70726	312.80448	317.25814	292.56263	-0.75300	-1.02559	305.58817
663	0.39937	-0.52204	1.89559	13.99371	329.95282	325.75403	318.20685	-0.43695	-0.59513	318.98217
664	0.22695	-0.37866	1.92427	12.26952	317.02143	328.98004	308.50147	-0.31694	-0.43168	324.06806
665	0.38834	0.26798	2.05360	13.88340	329.12550	343.52953	335.15503	0.22430	0.30550	347.00572
666	0.82989	0.47752	2.09550	18.29891	362.24183	348.24424	372.98607	0.39969	0.54437	354.43858
667	0.97871	0.69198	2.13840	19.78708	373.40308	353.06947	388.97256	0.57918	0.78885	362.04569
668	0.14164	1.43918	2.28784	11.41637	310.62278	369.88155	343.00433	1.20459	1.64067	388.55038
669	0.49310	0.64250	2.12850	14.93104	336.98276	351.95627	351.43903	0.53777	0.73245	360.29069
670	0.59104	0.93675	2.18735	15.91045	344.32835	358.57699	365.40534	0.78406	1.06790	370.72843
671	0.68879	1.49061	2.29812	16.88790	351.65927	371.03865	385.19792	1.24764	1.69929	390.37458
672	0.49780	-0.86412	1.82718	14.97802	337.33511	318.05740	317.89251	-0.72326	-0.98509	306.84822
673	0.54978	0.62806	2.12561	15.49782	341.23361	351.63143	355.36504	0.52569	0.71599	359.77857
674	0.17811	-2.43582	1.51284	11.78111	313.35835	282.69407	258.55242	-2.03878	-2.77683	251.09699
675	0.51721	0.50553	2.10111	15.17205	338.79040	348.87444	350.16484	0.42313	0.57631	355.43211
676	0.66993	-0.46847	1.90631	16.69932	350.24489	326.95934	339.70424	-0.39211	-0.53406	320.88238
677	0.54505	0.13545	2.02709	15.45053	340.87898	340.54758	343.92657	0.11337	0.15441	342.30460
678	0.70791	-0.82912	1.83418	17.07906	353.09292	318.84475	334.43768	-0.69398	-0.94520	308.08950
679	0.77035	0.09604	2.01921	17.70354	357.77651	339.66095	359.93746	0.08039	0.10949	340.90679
680	0.33151	0.49334	2.09867	13.31512	324.86340	348.60018	335.96358	0.41293	0.56241	354.99973
681	0.72148	1.05848	2.21170	17.21481	354.11110	361.31590	377.92700	0.88595	1.20667	375.04641
682	0.93646	-1.09481	1.78104	19.36465	370.23484	312.86688	345.60172	-0.91635	-1.24808	298.66523
683	0.15891	1.25041	2.25008	11.58908	311.91812	365.63427	340.05239	1.04659	1.42547	381.85443
684	0.77133	0.07886	2.01577	17.71331	357.84986	339.27425	359.62411	0.06600	0.08990	340.29715
685	0.76805	0.37866	2.07573	17.68046	357.60343	346.01981	366.12324	0.31694	0.43167	350.93171
686	0.54417	0.14664	2.02933	15.44175	340.81310	340.79937	344.11247	0.12274	0.16717	342.70155
687	0.94266	-0.44250	1.91150	19.42662	370.69963	327.54381	360.74344	-0.37037	-0.50445	321.80380
688	0.31617	1.15027	2.23005	13.16167	323.71253	363.38098	349.59350	0.96277	1.31130	378.30205
689	0.81945	0.28329	2.05666	18.19448	361.45861	343.87393	367.83255	0.23711	0.32295	347.54868
690	0.46529	1.57749	2.31550	14.65294	334.89707	372.99360	370.39067	1.32036	1.79834	393.45661

691	0.20083	-0.37508	1.92498	12.00828	315.06212	329.06071	306.62282	-0.31394	-0.42759	324.19523
692	0.32006	-1.84797	1.63041	13.20063	324.00475	295.92067	282.42542	-1.54675	-2.10669	271.94907
693	0.30429	0.62912	2.12582	13.04292	322.82190	351.65513	336.97703	0.52657	0.71719	359.81594
694	0.23547	-1.76358	1.64728	12.35473	317.66044	297.81943	277.97987	-1.47612	-2.01048	274.94252
695	0.58633	0.61313	2.12263	15.86330	343.97478	351.29533	357.77012	0.51319	0.69896	359.24871
696	0.45579	-0.94233	1.81153	14.55794	334.18455	316.29762	312.98217	-0.78873	-1.07425	304.07388
697	0.52977	0.41870	2.08374	15.29771	339.73279	346.92082	349.15361	0.35045	0.47732	352.35218
698	0.85307	1.10417	2.22083	18.53072	363.98040	362.34380	388.82420	0.92419	1.25875	376.66691
699	0.58139	0.88298	2.17660	15.81388	343.60410	357.36699	363.47109	0.73905	1.00659	368.82084
700	0.38796	0.48827	2.09765	13.87963	329.09722	348.48616	340.08338	0.40869	0.55663	354.81998
701	0.49247	0.83527	2.16705	14.92465	336.93488	356.29365	355.72853	0.69912	0.95221	367.12868
702	0.86015	-1.65556	1.66889	18.60145	364.51091	300.24983	327.26074	-1.38571	-1.88734	278.77411
703	0.46517	0.95445	2.19089	14.65174	334.88802	358.97517	356.36319	0.79888	1.08808	371.35618
704	0.17283	-0.09396	1.98121	11.72828	312.96211	335.38595	310.84806	-0.07864	-0.10711	334.16714
705	0.72225	-0.15596	1.96881	17.22249	354.16864	333.99080	350.65944	-0.13054	-0.17780	331.96765
706	0.83078	0.07355	2.01471	18.30784	362.30876	339.15494	363.96371	0.06156	0.08385	340.10906
707	0.97869	-2.32099	1.53580	19.78688	373.40160	285.27773	321.17933	-1.94267	-2.64593	255.17021
708	0.80870	1.58411	2.31682	18.08703	360.65274	373.14259	396.29533	1.32590	1.80589	393.69149
709	0.87560	2.35677	2.47135	18.75596	365.66969	390.52741	418.69711	1.97262	2.68672	421.09913
710	0.14064	-0.85062	1.82988	11.40639	310.54789	318.36098	291.40887	-0.71197	-0.96971	307.32682
711	0.71218	-1.07705	1.78459	17.12178	353.41337	313.26641	329.17978	-0.90149	-1.22784	299.29510
712	0.57952	1.57002	2.31400	15.79522	343.46415	372.82537	378.78952	1.31410	1.78982	393.19139
713	0.02600	0.16606	2.03321	10.25995	301.94963	341.23625	305.68589	0.13899	0.18930	343.39030
714	0.90014	-0.96151	1.80770	19.00138	367.51032	315.86606	345.87638	-0.80478	-1.09612	303.39352
715	0.61215	-1.26625	1.74675	16.12150	345.91123	309.00929	317.42052	-1.05985	-1.44353	292.58364
716	0.40083	0.07673	2.01535	14.00828	330.06207	339.22647	331.78854	0.06422	0.08747	340.22183
717	0.70926	0.29966	2.05993	17.09260	353.19449	344.24243	359.93691	0.25082	0.34162	348.12962
718	0.52953	0.47958	2.09592	15.29529	339.71469	348.29053	350.50523	0.40141	0.54672	354.51156
719	0.79789	-0.58873	1.88225	17.97886	359.84143	324.25346	346.59489	-0.49277	-0.67116	316.61648

720	0.06569	0.75874	2.15175	10.65688	304.92663	354.57174	321.99837	0.63507	0.86497	364.41406
721	0.02390	2.26738	2.45348	10.23899	301.79246	388.51600	352.80846	1.89780	2.58481	417.92809
722	0.67851	-0.46920	1.90616	16.78510	350.88823	326.94300	340.33123	-0.39272	-0.53489	320.85661
723	0.71268	0.57830	2.11566	17.12684	353.45128	350.51183	366.46312	0.48404	0.65927	358.01350
724	0.07653	0.54604	2.10921	10.76533	305.73996	349.78590	318.02586	0.45704	0.62249	356.86905
725	0.28720	-0.34352	1.93130	12.87204	321.54032	329.77085	313.81117	-0.28752	-0.39161	325.31479
726	0.04239	1.44338	2.28868	10.42391	303.17936	369.97603	335.65540	1.20811	1.64545	388.69933
727	0.47388	0.27363	2.05473	14.73878	335.54083	343.65673	341.69756	0.22903	0.31194	347.20624
728	0.46281	-0.65727	1.86855	14.62814	334.71102	322.71137	319.92240	-0.55014	-0.74929	314.18534
729	0.50826	0.52627	2.10525	15.08264	338.11983	349.34109	349.96092	0.44049	0.59995	356.16780
730	0.39891	2.25091	2.45018	13.98907	329.91804	388.14548	380.56352	1.88401	2.56604	417.34395
731	0.43234	-0.72814	1.85437	14.32343	332.42569	321.11684	316.04252	-0.60945	-0.83008	311.67151
732	0.38054	1.09838	2.21968	13.80541	328.54058	362.21366	353.25424	0.91935	1.25216	376.46174
733	0.75409	-0.01701	1.99660	17.54093	356.55701	337.11718	356.17419	-0.01424	-0.01940	336.89647
734	0.04902	-2.12392	1.57522	10.49020	303.67648	289.71191	255.88839	-1.77772	-2.42126	262.16080
735	0.87367	-0.88429	1.82314	18.73674	365.52557	317.60357	345.62914	-0.74015	-1.00809	306.13274
736	0.84315	0.36192	2.07238	18.43154	363.23652	345.64322	371.37974	0.30293	0.41259	350.33801
737	0.88188	0.23162	2.04632	18.81883	366.14121	342.71148	371.35269	0.19387	0.26405	345.71604
738	0.80494	-1.24278	1.75144	18.04943	360.37072	309.53736	332.40808	-1.04021	-1.41677	293.41615
739	0.67678	-0.56613	1.88677	16.76780	350.75848	324.76203	338.02051	-0.47385	-0.64539	317.41825
740	0.63761	2.30217	2.46043	16.37612	347.82093	389.29892	399.61986	1.92692	2.62448	419.16238
741	0.35205	0.04528	2.00906	13.52052	326.40389	338.51881	327.42271	0.03790	0.05162	339.10619
742	0.93678	-0.40613	1.91877	19.36775	370.25814	328.36212	361.12026	-0.33993	-0.46299	323.09389
743	0.38119	0.26787	2.05357	13.81194	328.58955	343.52715	334.61671	0.22421	0.30538	347.00197
744	0.72815	-0.15868	1.96826	17.28150	354.61126	333.92961	351.04088	-0.13282	-0.18090	331.87119
745	0.02018	-1.37941	1.72412	10.20176	301.51321	306.46330	270.47651	-1.15457	-1.57253	288.56981
746	0.10040	0.24452	2.04890	11.00403	307.53022	343.00165	313.03186	0.20466	0.27875	346.17349
747	0.47164	-1.14047	1.77191	14.71635	335.37265	311.83936	309.71201	-0.95458	-1.30014	297.04532
748	0.77451	1.01134	2.20227	17.74510	358.08824	360.25514	380.84337	0.84649	1.15293	373.37408

749	0.18642	-0.54642	1.89072	11.86420	313.98153	325.20562	301.68715	-0.45735	-0.62292	318.11759
750	0.16719	0.23873	2.04775	11.67190	312.53922	342.87136	317.91058	0.19981	0.27215	345.96810
751	0.95496	-0.83363	1.83327	19.54958	371.62185	318.74330	352.86515	-0.69775	-0.95034	307.92956
752	0.97935	-0.21241	1.95752	19.79352	373.45140	332.72077	368.67217	-0.17779	-0.24215	329.96542
753	0.96853	-0.51571	1.89686	19.68534	372.64009	325.89643	361.03651	-0.43165	-0.58791	319.20665
754	0.15923	0.74353	2.14871	11.59230	311.94222	354.22939	328.67160	0.62233	0.84762	363.87432
755	0.17090	0.46563	2.09313	11.70900	312.81751	347.97665	323.29416	0.38973	0.53082	354.01672
756	0.31884	0.48203	2.09641	13.18841	323.91311	348.34557	334.75868	0.40346	0.54951	354.59833
757	0.76806	-0.04419	1.99116	17.68063	357.60476	336.50582	356.61058	-0.03698	-0.05037	335.93265
758	0.84168	0.30600	2.06120	18.41678	363.12588	344.38510	370.01098	0.25613	0.34885	348.35454
759	0.08860	0.34527	2.06905	10.88602	306.64518	345.26849	314.41367	0.28899	0.39360	349.74723
760	0.14128	0.09668	2.01934	11.41280	310.59597	339.67536	312.77133	0.08092	0.11022	340.92951
761	0.48691	0.55013	2.11003	14.86913	336.51847	349.87798	348.89645	0.46046	0.62715	357.01421
762	0.54629	0.37408	2.07482	15.46290	340.97175	345.91684	349.38859	0.31311	0.42645	350.76937
763	0.49638	0.26565	2.05313	14.96378	337.22836	343.47714	343.20550	0.22235	0.30284	346.92312
764	0.62706	0.00238	2.00048	16.27059	347.02946	337.55364	347.08311	0.00200	0.00272	337.58457
765	0.98877	0.37578	2.07516	19.88774	374.15807	345.95513	382.61321	0.31453	0.42839	350.82975
766	0.32975	-2.46678	1.50664	13.29748	324.73107	281.99736	269.22842	-2.06470	-2.81213	249.99860
767	0.06738	0.29320	2.05864	10.67384	305.05379	344.09700	311.65079	0.24541	0.33425	347.90035
768	0.52027	-0.78367	1.84327	15.20266	339.01992	319.86736	321.38728	-0.65593	-0.89339	309.70167
769	0.10432	-1.03905	1.79219	11.04322	307.82415	314.12145	284.44559	-0.86968	-1.18451	300.64309
770	0.33877	1.65655	2.33131	13.38774	325.40803	374.77248	362.68051	1.38654	1.88847	396.26106
771	0.77103	-0.82577	1.83485	17.71025	357.82691	318.92016	339.24707	-0.69117	-0.94138	308.20839
772	0.62510	-0.09753	1.98049	16.25096	346.88219	335.30558	344.68777	-0.08163	-0.11118	334.04045
773	0.98591	1.33759	2.26752	19.85914	373.94357	367.59582	404.03939	1.11956	1.52485	384.94686
774	0.26168	-0.37123	1.92575	12.61682	319.62618	329.14744	311.27362	-0.31072	-0.42320	324.33196
775	0.09633	-0.62750	1.87450	10.96326	307.22445	323.38120	293.10565	-0.52522	-0.71535	315.24133
776	0.95196	1.19250	2.23850	19.51960	371.39702	364.33118	398.22820	0.99812	1.35945	379.80007
777	0.59622	-1.08193	1.78361	15.96223	344.71675	313.15662	320.37337	-0.90557	-1.23340	299.12202

778	0.72513	1.37242	2.27448	17.25131	354.38479	368.37953	385.26432	1.14872	1.56456	386.18240
779	0.26980	-0.43303	1.91339	12.69803	320.23522	327.75689	310.49211	-0.36244	-0.49365	322.13973
780	0.57783	-1.15958	1.76808	15.77828	343.33711	311.40955	317.24666	-0.97056	-1.32192	296.36770
781	0.55807	0.28548	2.05710	15.58070	341.85525	343.92326	348.27851	0.23895	0.32545	347.62644
782	0.48265	2.11298	2.42260	14.82647	336.19856	385.04201	383.74057	1.76856	2.40880	412.45125
783	0.85580	-1.45258	1.70948	18.55801	364.18505	304.81689	331.50193	-1.21581	-1.65594	285.97420
784	0.44091	2.60557	2.52111	14.40914	333.06858	396.12537	391.69395	2.18086	2.97035	429.92447
785	0.44751	1.14588	2.22918	14.47509	333.56318	363.28235	359.34552	0.95910	1.30631	378.14656
786	0.28369	0.38760	2.07752	12.83690	321.27672	346.22108	329.99780	0.32442	0.44187	351.24902
787	0.97022	1.14319	2.22864	19.70216	372.76623	363.22183	398.48806	0.95685	1.30324	378.05115
788	0.42656	0.05966	2.01193	14.26557	331.99177	338.84231	333.33408	0.04993	0.06801	339.61619
789	0.14334	0.00475	2.00095	11.43342	310.75068	337.60694	310.85762	0.00398	0.00542	337.66859
790	0.15518	0.43062	2.08612	11.55177	311.63830	347.18892	321.32723	0.36043	0.49091	352.77485
791	0.06645	-1.26026	1.74795	10.66445	304.98340	309.14422	276.62761	-1.05484	-1.43669	292.79635
792	0.74637	-0.12335	1.97533	17.46367	355.97753	334.72454	353.20207	-0.10325	-0.14062	333.12442
793	0.19154	-0.67015	1.86597	11.91537	314.36530	322.42157	299.28688	-0.56092	-0.76397	313.72846
794	0.16839	-0.54543	1.89091	11.68391	312.62931	325.22791	300.35722	-0.45652	-0.62179	318.15272
795	0.14449	0.25342	2.05068	11.44486	310.83647	343.20188	316.53835	0.21211	0.28890	346.48917
796	0.38067	0.27485	2.05497	13.80669	328.55018	343.68404	334.73422	0.23005	0.31332	347.24930
797	0.90609	1.63684	2.32737	19.06095	367.95709	374.32892	404.78602	1.37004	1.86600	395.56178
798	0.73155	-0.95967	1.80807	17.31550	354.86624	315.90748	333.27371	-0.80324	-1.09402	303.45881
799	0.15791	-0.98047	1.80391	11.57908	311.84307	315.43942	289.78249	-0.82065	-1.11774	302.72091
800	0.95263	-0.35691	1.92862	19.52628	371.44712	329.46948	363.41660	-0.29874	-0.40688	324.83967
801	0.82362	0.24433	2.04887	18.23620	361.77147	342.99741	367.26888	0.20450	0.27854	346.16682
802	0.57449	0.06534	2.01307	15.74489	343.08669	338.97021	344.55690	0.05469	0.07449	339.81783
803	0.44081	0.26475	2.05295	14.40811	333.06083	343.45680	339.01763	0.22159	0.30181	346.89105
804	0.71108	0.55310	2.11062	17.11080	353.33102	349.94478	365.77580	0.46295	0.63054	357.11953
805	0.12617	1.45901	2.29180	11.26172	309.46290	370.32778	342.29068	1.22119	1.66327	389.25387
806	0.57299	-0.00772	1.99846	15.72986	342.97397	337.32633	342.80030	-0.00646	-0.00880	337.22621

807	0.18044	-0.95602	1.80880	11.80437	313.53280	315.98949	292.02229	-0.80019	-1.08987	303.58811
808	0.60914	1.49477	2.29895	16.09145	345.68587	371.13241	379.31828	1.25113	1.70404	390.52238
809	0.89947	1.34582	2.26916	18.99466	367.45995	367.78096	397.74091	1.12645	1.53424	385.23874
810	0.32449	-0.48672	1.90266	13.24490	324.33678	326.54876	313.38554	-0.40739	-0.55486	320.23508
811	0.71050	-1.61041	1.67792	17.10500	353.28752	301.26587	317.05338	-1.34791	-1.83586	280.37592
812	0.37727	-1.36008	1.72798	13.77271	328.29531	306.89825	297.69356	-1.13839	-1.55049	289.25552
813	0.79026	2.13672	2.42734	17.90261	359.26960	385.57629	407.34589	1.78844	2.43587	413.29355
814	0.92206	0.75682	2.15136	19.22056	369.15418	354.52836	386.18253	0.63345	0.86277	364.34566
815	0.98961	1.49416	2.29883	19.89615	374.22111	371.11855	407.83966	1.25061	1.70334	390.50053
816	0.45572	0.31771	2.06354	14.55718	334.17885	344.64836	341.32721	0.26592	0.36218	348.76959
817	0.25196	-0.52503	1.89499	12.51959	318.89694	325.68686	307.08380	-0.43945	-0.59853	318.87626
818	0.67840	-0.83566	1.83287	16.78402	350.88014	318.69762	332.07776	-0.69945	-0.95265	307.85755
819	0.90043	-1.08078	1.78384	19.00433	367.53249	313.18236	343.21485	-0.90462	-1.23209	299.16258
820	0.58092	0.59692	2.11938	15.80924	343.56928	350.93067	356.99995	0.49962	0.68049	358.67381
821	0.58561	2.84231	2.56846	15.85613	343.92096	401.45191	407.87286	2.37901	3.24023	438.32188
822	0.39379	1.30949	2.26190	13.93794	329.53453	366.96359	358.99811	1.09605	1.49282	383.95013
823	0.49068	1.23928	2.24786	14.90684	336.80132	365.38390	364.68522	1.03728	1.41278	381.45972
824	0.93051	0.44935	2.08987	19.30505	369.78788	347.61041	379.89828	0.37611	0.51226	353.43933
825	0.99807	-2.79920	1.44016	19.98068	374.85507	274.51800	311.87307	-2.34293	-3.19109	238.20720
826	0.52166	-1.68537	1.66293	15.21663	339.12475	299.57920	301.20395	-1.41065	-1.92132	277.71685
827	0.59450	1.49546	2.29909	15.94496	344.58722	371.14782	378.23503	1.25170	1.70482	390.54668
828	0.69764	-0.46963	1.90607	16.97636	352.32268	326.93331	341.75599	-0.39308	-0.53538	320.84133
829	0.16354	2.00556	2.40111	11.63536	312.26521	382.62520	357.39041	1.67866	2.28634	408.64109
830	0.55215	-0.60432	1.87914	15.52153	341.41146	323.90290	327.81436	-0.50581	-0.68892	316.06381
831	0.03102	1.11515	2.22303	10.31025	302.32684	362.59080	327.41763	0.93338	1.27127	377.05631
832	0.42896	-2.19038	1.56192	14.28956	332.17171	288.21639	282.88810	-1.83335	-2.49704	259.80308
833	0.46606	-0.54269	1.89146	14.66057	334.95426	325.28947	322.74373	-0.45423	-0.61867	318.24977
834	0.01727	1.38752	2.27750	10.17275	301.29562	368.71930	332.51491	1.16136	1.58178	386.71805
835	0.33885	0.45828	2.09166	13.38851	325.41383	347.81139	335.72521	0.38358	0.52244	353.75618

836	0.06871	-0.10354	1.97929	10.68708	305.15309	335.17030	302.82339	-0.08666	-0.11804	333.82716
837	0.77421	-0.32353	1.93529	17.74210	358.06576	330.22055	350.78631	-0.27080	-0.36883	326.02376
838	0.14878	1.03006	2.20601	11.48782	311.15866	360.67634	334.33500	0.86216	1.17427	374.03812
839	0.58141	0.95454	2.19091	15.81407	343.60549	358.97708	365.08257	0.79895	1.08817	371.35919
840	0.69919	-0.48087	1.90383	16.99194	352.43956	326.68036	341.61992	-0.40249	-0.54820	320.44255
841	0.35569	-1.53934	1.69213	13.55686	326.67646	302.86487	292.04133	-1.28843	-1.75485	282.89679
842	0.01699	-0.54794	1.89041	10.16993	301.27449	325.17124	288.94573	-0.45863	-0.62466	318.06339
843	0.60497	-0.77890	1.84422	16.04970	345.37274	319.97474	327.84747	-0.65194	-0.88795	309.87095
844	0.72756	0.13692	2.02738	17.27558	354.56687	340.58068	357.64755	0.11460	0.15609	342.35677
845	0.07221	1.18516	2.23703	10.72211	305.41584	364.16601	332.08185	0.99198	1.35108	379.53968
846	0.65404	0.31961	2.06392	16.54037	349.05274	344.69126	356.24400	0.26751	0.36436	348.83721
847	0.39188	0.10379	2.02076	13.91884	329.39128	339.83522	331.72650	0.08687	0.11832	341.18154
848	0.38887	-1.25644	1.74871	13.88874	329.16556	309.23005	300.89561	-1.05164	-1.43234	292.93166
849	0.80799	-0.09547	1.98091	18.07989	360.59916	335.35195	358.45111	-0.07991	-0.10883	334.11353
850	0.86775	1.34799	2.26960	18.67754	365.08156	367.82984	395.41139	1.12827	1.53671	385.31579
851	0.34305	0.44718	2.08944	13.43046	325.72847	347.56152	335.78999	0.37429	0.50978	353.36225
852	0.57844	-0.32405	1.93519	15.78441	343.38306	330.20878	336.09184	-0.27123	-0.36942	326.00520
853	0.85511	0.73673	2.14735	18.55114	364.13359	354.07637	380.70996	0.61664	0.83987	363.63309
854	0.90898	-0.20692	1.95862	19.08978	368.17338	332.84419	363.51757	-0.17320	-0.23589	330.16000
855	0.19974	2.12820	2.42564	11.99738	314.98036	385.38457	362.86493	1.78131	2.42615	412.99131
856	0.99838	-0.52670	1.89466	19.98384	374.87881	325.64928	363.02809	-0.44085	-0.60044	318.81702
857	0.84303	-0.24740	1.95052	18.43031	363.22731	331.93346	357.66077	-0.20708	-0.28204	328.72420
858	0.81971	-1.66973	1.66605	18.19713	361.47846	299.93112	323.90958	-1.39756	-1.90349	278.27166
859	0.91315	-0.33338	1.93332	19.13145	368.48589	329.99906	360.98495	-0.27903	-0.38005	325.67457
860	0.23043	-1.64000	1.67200	12.30435	317.28260	300.59993	280.38253	-1.37268	-1.86960	279.32606
861	0.91435	0.23520	2.04704	19.14352	368.57639	342.79191	373.86830	0.19686	0.26812	345.84283
862	0.51267	-0.41053	1.91789	15.12666	338.44997	328.26309	329.21305	-0.34361	-0.46800	322.93776
863	0.38077	1.15805	2.23161	13.80770	328.55772	363.55606	354.61378	0.96929	1.32017	378.57807
864	0.59527	0.41662	2.08332	15.95268	344.64508	346.87399	354.01907	0.34871	0.47495	352.27835

865	0.66390	-0.31036	1.93793	16.63903	349.79269	330.51701	342.80970	-0.25977	-0.35380	326.49113
866	0.21020	0.28106	2.05621	12.10202	315.76517	343.82380	322.08897	0.23525	0.32041	347.46965
867	0.86925	-0.61931	1.87614	18.69251	365.19386	323.56552	351.25938	-0.51836	-0.70601	315.53192
868	0.50924	0.21754	2.04351	15.09238	338.19281	342.39460	343.08742	0.18208	0.24799	345.21647
869	0.75463	-0.37985	1.92403	17.54634	356.59752	328.95342	348.05095	-0.31793	-0.43303	324.02610
870	0.12737	1.69585	2.33917	11.27373	309.55299	375.65658	347.70957	1.41942	1.93327	397.65486
871	0.76179	0.68588	2.13718	17.61787	357.13400	352.93239	372.56639	0.57408	0.78191	361.82958
872	0.34874	-0.05024	1.98995	13.48740	326.15551	336.36950	325.02501	-0.04205	-0.05728	335.71774
873	0.27541	0.18839	2.03768	12.75410	320.65576	341.73882	324.89458	0.15768	0.21477	344.18262
874	0.81732	-0.72364	1.85527	18.17324	361.29930	321.21804	345.01734	-0.60569	-0.82495	311.83105
875	0.76414	-1.40397	1.71921	17.64145	357.31086	305.91073	325.72159	-1.17512	-1.60052	287.69868
876	0.98108	0.13801	2.02760	19.81083	373.58121	340.60519	376.68639	0.11551	0.15733	342.39541
877	0.05768	-0.83130	1.83374	10.57678	304.32583	318.79569	285.62152	-0.69580	-0.94768	308.01216
878	0.38865	0.44739	2.08948	13.88654	329.14901	347.56635	339.21536	0.37447	0.51003	353.36986
879	0.09970	-1.02294	1.79541	10.99699	307.47739	314.48375	284.46114	-0.85620	-1.16616	301.21427
880	0.63298	2.07197	2.41439	16.32976	347.47321	384.11931	394.09252	1.73424	2.36205	410.99659
881	0.42928	-0.22956	1.95409	14.29284	332.19629	332.33481	327.03110	-0.19214	-0.26170	329.35695
882	0.97293	0.10176	2.02035	19.72933	372.96997	339.78953	375.25949	0.08517	0.11600	341.10950
883	0.08268	0.19683	2.03937	10.82684	306.20129	341.92862	310.62990	0.16474	0.22438	344.48183
884	0.66731	0.91566	2.18313	16.67312	350.04843	358.10239	370.65082	0.76641	1.04385	369.98022
885	0.51968	-1.19571	1.76086	15.19683	338.97625	310.59645	312.07270	-1.00081	-1.36311	295.08583
886	0.31824	1.45150	2.29030	13.18238	323.86782	370.15882	356.52664	1.21491	1.65471	388.98749
887	0.62002	2.47404	2.49481	16.20017	346.50130	393.16595	402.16725	2.07077	2.82041	425.25886
888	0.63176	-0.81526	1.83695	16.31758	347.38186	319.15658	329.03844	-0.68238	-0.92940	308.58111
889	0.95879	-0.87677	1.82465	19.58789	371.90917	317.77269	352.18186	-0.73386	-0.99952	306.39937
890	0.36502	0.68268	2.13654	13.65021	327.37660	352.86031	342.73691	0.57140	0.77826	361.71594
891	0.91406	1.15697	2.23139	19.14057	368.55427	363.53188	394.58616	0.96839	1.31895	378.53996
892	0.55526	-2.00463	1.59907	15.55256	341.64421	292.39573	296.53993	-1.67788	-2.28528	266.39191
893	0.18885	-1.02765	1.79447	11.88853	314.16396	314.37779	291.04175	-0.86015	-1.17153	301.04722

894	0.04966	0.72568	2.14514	10.49662	303.72462	353.82778	320.05240	0.60739	0.82727	363.24118
895	0.66274	0.96024	2.19205	16.62739	349.70543	359.10546	371.31089	0.80372	1.09468	371.56159
896	0.65561	0.62499	2.12500	16.55612	349.17088	351.56225	363.23313	0.52312	0.71249	359.66952
897	0.86561	1.55677	2.31135	18.65611	364.92081	372.52734	399.94815	1.30302	1.77472	392.72154
898	0.32026	2.40586	2.48117	13.20256	324.01923	391.63181	378.15105	2.01370	2.74268	422.84024
899	0.55022	0.82949	2.16590	15.50216	341.26620	356.16364	359.92984	0.69429	0.94562	366.92372
900	0.48080	-1.97375	1.60525	14.80803	336.06019	293.09062	291.65081	-1.65203	-2.25008	267.48743
901	0.84887	0.50314	2.10063	18.48868	363.66512	348.82062	374.98574	0.42113	0.57358	355.34726
902	0.92881	-2.10845	1.57831	19.28808	369.66062	290.05997	322.22059	-1.76477	-2.40363	262.70953
903	0.47935	-1.10585	1.77883	14.79349	335.95120	312.61834	311.06954	-0.92560	-1.26067	298.27340
904	0.42393	-0.38026	1.92395	14.23928	331.79461	328.94414	323.23874	-0.31828	-0.43350	324.01145
905	0.95961	1.25539	2.25108	19.59606	371.97045	365.74632	400.21677	1.05076	1.43115	382.03107
906	0.09837	0.72367	2.14473	10.98366	307.37747	353.78261	323.66008	0.60571	0.82499	363.16997
907	0.24241	0.40397	2.08079	12.42415	318.18109	346.58943	327.27052	0.33813	0.46053	351.82972
908	0.26119	-0.42523	1.91495	12.61194	319.58953	327.93240	310.02194	-0.35591	-0.48476	322.41643
909	0.88380	-0.02034	1.99593	18.83796	366.28469	337.04241	365.82710	-0.01702	-0.02318	336.77859
910	0.95781	0.11891	2.02378	19.57812	371.83592	340.17541	374.51134	0.09953	0.13555	341.71786
911	0.95183	1.22653	2.24531	19.51826	371.38694	365.09702	398.98395	1.02661	1.39825	381.00743
912	0.33705	0.56239	2.11248	13.37048	325.27859	350.15379	337.93238	0.47072	0.64113	357.44904
913	0.76413	1.99610	2.39922	17.64130	357.30972	382.41220	402.22192	1.67073	2.27555	408.30527
914	0.72629	-1.25791	1.74842	17.26287	354.47156	309.19706	326.16862	-1.05287	-1.43402	292.87966
915	0.71345	-0.40025	1.91995	17.13447	353.50852	328.49442	344.50293	-0.33501	-0.45628	323.30246
916	0.90178	0.66118	2.13224	19.01784	367.63381	352.37666	382.51047	0.55341	0.75375	360.95345
917	0.28600	0.88531	2.17706	12.86004	321.45027	357.41943	341.36970	0.74100	1.00925	368.90352
918	0.86279	-0.28608	1.94278	18.62795	364.70962	331.06314	358.27276	-0.23945	-0.32613	327.35211
919	0.99401	0.25516	2.05103	19.94014	374.55103	343.24111	380.29214	0.21357	0.29088	346.55101
920	0.38841	0.31660	2.06332	13.88407	329.13055	344.62355	336.25410	0.26500	0.36093	348.73047
921	0.96296	0.43172	2.08634	19.62961	372.22211	347.21372	381.93583	0.36135	0.49216	352.81393
922	0.49352	1.53771	2.30754	14.93524	337.01430	372.09847	371.61277	1.28706	1.75299	392.04541

923	0.65776	-1.45062	1.70988	16.57763	349.33223	304.86102	316.69325	-1.21417	-1.65371	286.04378
924	0.02460	0.44062	2.08812	10.24603	301.84522	347.41403	311.75925	0.36880	0.50231	353.12973
925	0.50061	-0.94802	1.81040	15.00608	337.54562	316.16953	316.21515	-0.79349	-1.08074	303.87194
926	0.72395	-0.79965	1.84007	17.23950	354.29626	319.50789	336.30415	-0.66931	-0.91160	309.13496
927	0.42916	0.55219	2.11044	14.29159	332.18689	349.92420	344.61109	0.46218	0.62949	357.08708
928	0.86803	-0.07607	1.98479	18.68031	365.10231	335.78836	363.39068	-0.06367	-0.08672	334.80156
929	0.99456	1.66657	2.33331	19.94563	374.59221	374.99787	412.09008	1.39492	1.89989	396.61640
930	0.61591	-0.23328	1.95334	16.15908	346.19310	332.25118	340.94429	-0.19526	-0.26594	329.22510
931	0.56670	0.46737	2.09347	15.66703	342.50269	348.01592	353.01861	0.39119	0.53281	354.07863
932	0.56974	0.47128	2.09426	15.69736	342.73017	348.10378	353.33395	0.39446	0.53726	354.21714
933	0.54685	-0.16476	1.96705	15.46854	341.01408	333.79291	337.30699	-0.13790	-0.18783	331.65567
934	0.98223	-0.09561	1.98088	19.82227	373.66704	335.34885	371.51589	-0.08002	-0.10899	334.10865
935	0.29319	-1.19709	1.76058	12.93187	321.98904	310.56540	295.05443	-1.00197	-1.36469	295.03688
936	0.59667	-1.82544	1.63491	15.96672	344.75037	296.42759	303.67796	-1.52789	-2.08100	272.74825
937	0.25969	1.29534	2.25907	12.59694	319.47703	366.64521	348.62223	1.08420	1.47669	383.44819
938	0.67152	0.76062	2.15212	16.71515	350.36364	354.61402	367.47766	0.63664	0.86711	364.48071
939	0.15559	1.10892	2.22178	11.55585	311.66889	362.45066	336.61955	0.92816	1.26417	376.83539
940	0.91982	0.95413	2.19083	19.19825	368.98685	358.96803	390.45488	0.79861	1.08771	371.34492
941	0.49361	-2.02894	1.59421	14.93613	337.02095	291.84883	291.36979	-1.69822	-2.31299	265.52972
942	0.14887	-0.80735	1.83853	11.48866	311.16498	319.33456	292.99954	-0.67575	-0.92038	308.86169
943	0.99861	0.17665	2.03533	19.98613	374.89600	341.47454	378.87053	0.14785	0.20138	343.76596
944	0.69341	0.59740	2.11948	16.93409	352.00567	350.94157	365.44724	0.50003	0.68104	358.69100
945	0.12303	2.90344	2.58069	11.23035	309.22759	402.82742	374.55501	2.43018	3.30992	440.49041
946	0.84153	-0.65243	1.86951	18.41532	363.11490	322.82030	348.43520	-0.54608	-0.74377	314.35706
947	0.62909	0.21386	2.04277	16.29088	347.18157	342.31176	351.99333	0.17900	0.24380	345.08587
948	0.07598	1.09912	2.21982	10.75978	305.69833	362.23018	330.42851	0.91996	1.25300	376.48778
949	0.95836	0.77381	2.15476	19.58360	371.87700	354.91079	389.28778	0.64768	0.88215	364.94857
950	0.15583	0.04614	2.00923	11.55832	311.68738	338.53826	312.72564	0.03862	0.05261	339.13684
951	0.06435	-1.12857	1.77429	10.64349	304.82617	312.10727	279.43345	-0.94461	-1.28656	297.46769

952	0.51316	0.94754	2.18951	15.13164	338.48730	358.81968	359.80698	0.79309	1.08020	371.11104
953	0.74768	1.00856	2.20171	17.47683	356.07621	360.19253	378.76874	0.84416	1.14975	373.27538
954	0.30382	-1.04980	1.79004	13.03825	322.78684	313.87951	299.16635	-0.87868	-1.19677	300.26167
955	0.37889	1.55928	2.31186	13.78886	328.41642	372.58372	363.50014	1.30511	1.77758	392.81042
956	0.93079	0.56928	2.11386	19.30787	369.80904	350.30869	382.61774	0.47648	0.64897	357.69325
957	0.74145	-0.87636	1.82473	17.41450	355.60875	317.78185	335.89060	-0.73352	-0.99905	306.41382
958	0.54969	-0.98408	1.80318	15.49688	341.22658	315.35823	319.08480	-0.82367	-1.12185	302.59290
959	0.60136	0.66440	2.13288	16.01356	345.10172	352.44895	360.05067	0.55610	0.75741	361.06742
960	0.99364	-0.57898	1.88420	19.93641	374.52311	324.47304	361.49615	-0.48460	-0.66003	316.96265
961	0.13249	-0.50655	1.89869	11.32485	309.93639	326.10264	298.53903	-0.42398	-0.57747	319.53175
962	0.67892	0.86626	2.17325	16.78925	350.91937	356.99086	370.41023	0.72506	0.98754	368.22786
963	0.69089	0.88403	2.17681	16.90886	351.81645	357.39057	371.70702	0.73993	1.00779	368.85802
964	0.71996	0.46059	2.09212	17.19962	353.99712	347.86326	364.36037	0.38551	0.52507	353.83795
965	0.39382	0.73030	2.14606	13.93817	329.53628	353.93176	345.96804	0.61126	0.83254	363.40511
966	0.88357	-0.41395	1.91721	18.83568	366.26760	328.18620	356.95380	-0.34647	-0.47190	322.81655
967	0.12747	0.52450	2.10490	11.27470	309.56024	349.30132	321.36156	0.43901	0.59793	356.10510
968	0.38524	2.25728	2.45146	13.85242	328.89313	388.28870	379.68183	1.88934	2.57329	417.56974
969	0.75829	-0.84428	1.83114	17.58286	356.87144	318.50367	337.87511	-0.70666	-0.96248	307.55179
970	0.50981	-0.04858	1.99028	15.09814	338.23607	336.40696	337.14303	-0.04066	-0.05538	335.77679
971	0.44879	0.30775	2.06155	14.48789	333.65920	344.42435	340.58355	0.25759	0.35083	348.41642
972	0.80327	0.78093	2.15619	18.03270	360.24526	355.07094	377.81620	0.65364	0.89026	365.20106
973	0.56094	1.24814	2.24963	15.60940	342.07046	365.58311	370.15358	1.04469	1.42288	381.77378
974	0.71060	-0.30568	1.93886	17.10598	353.29481	330.62221	346.41702	-0.25585	-0.34847	326.65698
975	0.01233	0.73315	2.14663	10.12332	300.92493	353.99578	317.42071	0.61364	0.83579	363.50603
976	0.27035	-2.54083	1.49183	12.70347	320.27601	280.33131	263.10732	-2.12668	-2.89655	247.37203
977	0.71915	0.44354	2.08871	17.19153	353.93645	347.47973	363.91618	0.37125	0.50564	353.23331
978	0.79923	0.60641	2.12128	17.99226	359.94194	351.14420	373.58614	0.50756	0.69131	359.01045
979	0.58866	0.63538	2.12708	15.88656	344.14923	351.79596	358.44519	0.53181	0.72433	360.03796
980	0.54829	1.11368	2.22274	15.48289	341.12170	362.55771	366.17941	0.93215	1.26959	377.00415

981	0.09849	0.90532	2.18106	10.98488	307.38657	357.86977	327.75634	0.75776	1.03207	369.61348
982	0.28049	-0.51124	1.89775	12.80487	321.03654	325.99705	309.53359	-0.42791	-0.58282	319.36530
983	0.14814	1.65998	2.33200	11.48142	311.11064	374.84956	348.46020	1.38940	1.89238	396.38257
984	0.82135	0.78709	2.15742	18.21354	361.60155	355.20944	379.31099	0.65879	0.89728	365.41941
985	0.49732	0.11761	2.02352	14.97317	337.29875	340.14624	339.94499	0.09844	0.13408	341.67187
986	0.40089	0.21437	2.04287	14.00888	330.06657	342.32333	334.88990	0.17943	0.24438	345.10411
987	0.71772	-0.89875	1.82025	17.17719	353.82891	317.27817	333.60708	-0.75225	-1.02457	305.61974
988	0.69968	0.09540	2.01908	16.99683	352.47620	339.64639	354.62259	0.07985	0.10875	340.88384
989	0.56607	-0.45117	1.90977	15.66072	342.45539	327.34872	332.30411	-0.37763	-0.51433	321.49623
990	0.96979	1.43509	2.28702	19.69787	372.73404	369.78943	405.02347	1.20117	1.63600	388.40514
991	0.21351	0.22675	2.04535	12.13509	316.01317	342.60192	321.11510	0.18979	0.25850	345.54332
992	0.44550	-0.12020	1.97596	14.45505	333.41286	334.79542	330.70829	-0.10061	-0.13703	333.23616
993	0.59966	0.02789	2.00558	15.99662	344.97461	338.12742	345.60203	0.02334	0.03179	338.48914
994	0.51076	0.60099	2.12020	15.10760	338.30701	351.02226	351.82927	0.50303	0.68513	358.81820
995	0.34628	0.45503	2.09101	13.46282	325.97115	347.73810	336.20925	0.38086	0.51873	353.64064
996	0.96081	-1.84123	1.63175	19.60805	372.06038	296.07230	330.63268	-1.54111	-2.09900	272.18813
997	0.25057	0.35422	2.07084	12.50571	318.79280	345.47006	326.76286	0.29649	0.40382	350.06501
998	0.34002	-0.60131	1.87974	13.40020	325.50150	323.97056	311.97206	-0.50330	-0.68549	316.17047
999	0.71697	1.26171	2.25234	17.16972	353.77292	365.88855	382.16147	1.05605	1.43835	382.25530
1000	0.15364	0.35149	2.07030	11.53637	311.52278	345.40845	319.43123	0.29419	0.40069	349.96788
				$\mu_M :$	338.33	338.69	339.52			339.38
				$\sigma_M :$	21.30	22.62	30.84			35.66