

Test Name	ACM PE, PIR, rep 1
Cladding	Aluminium Composite Material (ACM) PE
Cladding Thickness [mm]	4
Insulation	Polyisocyanurate (PIR) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	1
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of an Aluminium Composite Material (ACM) PE cladding panel and a Polyisocyanurate (PIR) foam insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	At approximately 1 minute the PE core began to drip from the ACM panel, and continued to burn within the debris tray. At approximately 3 minutes, smoking droplets were observed coming out from the sides of the ACM PE panel. During the experiment, significant volumes of smoke were not captured by the extraction system, therefore potentially not capturing the full extent of the gas measurements and thus heat release rate.
Peak HRR [kW]	430
Time to Peak HRR [mins]	4.33
Residual HRR [kW]	1.46
Total HR [MJ]	58.1
Peak dQ/dt [kW/s]	3.71
Time to Peak dQ/dt [s]	3.47

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	0.275	0.275	3.276	1.858	-0.0005	5.1335	0.1785	0.2765	0.0075	0.4625
1	0.492	0.452	3.2748	1.8567	-0.0004	5.1311	0.1821	0.2703	0.0057	0.4581
2	0.589	0.457	3.2747	1.8553	-0.0004	5.1296	0.1828	0.2623	0.0028	0.448
3	0.407	0.568	3.2744	1.8545	-0.0007	5.1282	0.1988	0.249	0.0022	0.45
4	0.524	0.823	3.2742	1.8537	-0.0008	5.1271	0.2055	0.2481	0.0039	0.4575
5	0.746	1.34	3.2738	1.8526	-0.0008	5.1256	0.2109	0.2459	0.0057	0.4625
6	0.943	1.99	3.2735	1.8508	-0.0008	5.1235	0.1921	0.2465	0.0037	0.4423
7	1.37	2.76	3.2732	1.8498	-0.001	5.1219	0.1672	0.2421	0.0021	0.4114
8	2.06	3.52	3.273	1.8489	-0.001	5.1209	0.15	0.2465	0.0026	0.3991
9	3.09	4.33	3.2729	1.8477	-0.0009	5.1197	0.1274	0.2494	0.0044	0.3812
10	4.25	4.94	3.2728	1.8465	-0.0009	5.1185	0.1327	0.2494	0.0045	0.3865
11	5.04	5.55	3.2724	1.8457	-0.001	5.1172	0.1408	0.2465	0.0036	0.391
12	6.05	6.15	3.2726	1.8453	-0.001	5.117	0.1494	0.2439	0.0024	0.3956
13	7.41	6.79	3.2727	1.8443	-0.0009	5.1161	0.145	0.2427	0.0019	0.3896
14	8.1	7.4	3.2724	1.8435	-0.001	5.115	0.1356	0.2433	0.0005	0.3794
15	9.03	8	3.272	1.8431	-0.0011	5.1139	0.1253	0.2417	0.0003	0.3672
16	9.52	8.61	3.2717	1.8429	-0.0012	5.1134	0.1026	0.2372	-0.0013	0.3385
17	10.8	9.18	3.272	1.8424	-0.0013	5.1131	0.0828	0.2497	-0.0027	0.3298
18	11.6	9.67	3.2735	1.8414	-0.0013	5.1136	0.0726	0.2479	-0.003	0.3176
19	11.8	10.1	3.2752	1.8414	-0.0011	5.1154	0.0647	0.2466	-0.0045	0.3068
20	12.2	10.4	3.2758	1.8411	-0.0012	5.1157	0.0739	0.2448	-0.0055	0.3133
21	12	10.7	3.2762	1.8408	-0.0012	5.1158	0.077	0.2425	-0.0061	0.3134
22	12.5	11	3.2766	1.8407	-0.0012	5.1161	0.0764	0.2425	-0.0115	0.3075
23	12	11.1	3.2778	1.8406	-0.0011	5.1173	0.0885	0.2473	-0.0195	0.3164
24	12.2	11.1	3.2792	1.8407	-0.001	5.1189	0.0942	0.2555	-0.0265	0.3231
25	12.5	11.2	3.2804	1.8409	-0.0009	5.1203	0.0935	0.2764	-0.038	0.332
26	12.3	11.2	3.2803	1.8414	-0.0008	5.1209	0.0997	0.2914	-0.0504	0.3407
27	11.3	11.2	3.2804	1.8421	-0.0008	5.1216	0.1122	0.3007	-0.0771	0.3358
28	11	11.1	3.2807	1.8425	-0.0008	5.1224	0.1221	0.314	-0.1017	0.3344

29	10.9	11	3.2815	1.8429	-0.0007	5.1238	0.1499	0.3164	-0.1289	0.3374
30	10.9	11	3.2814	1.8437	-0.0007	5.1244	0.1898	0.3095	-0.1548	0.3446
31	10.1	10.9	3.2808	1.8445	-0.0007	5.1246	0.2148	0.3009	-0.173	0.3427
32	9.55	10.8	3.2791	1.845	-0.0007	5.1233	0.2471	0.2935	-0.1919	0.3488
33	9.29	10.8	3.277	1.8456	-0.0008	5.1217	0.267	0.2869	-0.2107	0.3433
34	10.1	10.8	3.2759	1.8456	-0.0009	5.1206	0.2989	0.2835	-0.2266	0.3558
35	9.49	10.7	3.275	1.8455	-0.0009	5.1197	0.3109	0.2829	-0.239	0.3548
36	10.5	10.6	3.2743	1.8455	-0.0008	5.119	0.3144	0.2885	-0.2474	0.3555
37	10.8	10.6	3.2733	1.8458	-0.0008	5.1184	0.3283	0.2941	-0.2624	0.36
38	10.3	10.6	3.2724	1.8462	-0.0008	5.1178	0.3523	0.3024	-0.2821	0.3725
39	10.5	10.6	3.2717	1.8464	-0.0008	5.1173	0.3698	0.2981	-0.2895	0.3784
40	11.1	10.6	3.2722	1.8462	-0.0008	5.1176	0.4019	0.2957	-0.2984	0.3992
41	10.7	10.7	3.2722	1.8463	-0.0008	5.1178	0.4199	0.2943	-0.3019	0.4122
42	12.3	10.7	3.2709	1.8464	-0.0008	5.1165	0.4413	0.2947	-0.3189	0.4171
43	11.1	10.9	3.27	1.8467	-0.0009	5.1157	0.4607	0.2927	-0.3332	0.4201
44	10.7	10.9	3.2686	1.8469	-0.0009	5.1145	0.467	0.2957	-0.3375	0.4252
45	11	11	3.2682	1.847	-0.0009	5.1143	0.4887	0.296	-0.3493	0.4353
46	11	11	3.2674	1.8467	-0.0008	5.1133	0.5121	0.3143	-0.3575	0.469
47	11.3	11	3.2662	1.8466	-0.0008	5.112	0.5294	0.3184	-0.3663	0.4816
48	11	11.1	3.265	1.8465	-0.0008	5.1107	0.565	0.3361	-0.372	0.5291
49	10.8	11.1	3.2637	1.8462	-0.0008	5.1092	0.582	0.3515	-0.3831	0.5504
50	11.1	11.1	3.2633	1.8463	-0.0007	5.1089	0.6185	0.3636	-0.389	0.5931
51	10.9	11.2	3.2631	1.8464	-0.0005	5.109	0.6912	0.3472	-0.4001	0.6382
52	11.7	11.2	3.2621	1.8469	-0.0005	5.1084	0.7103	0.344	-0.413	0.6413
53	10.7	11.1	3.2615	1.8467	-0.0006	5.1076	0.7423	0.3375	-0.426	0.6538
54	11.9	11.2	3.261	1.8465	-0.0007	5.1069	0.7669	0.3457	-0.4407	0.6718
55	10.4	11.2	3.2619	1.8463	-0.0006	5.1075	0.7997	0.3516	-0.4486	0.7026
56	10.7	11.2	3.2631	1.8463	-0.0005	5.1089	0.8249	0.3397	-0.4492	0.7153
57	11.6	11.3	3.2639	1.8458	-0.0005	5.1092	0.8409	0.3217	-0.4543	0.7082
58	11.5	11.3	3.2651	1.8454	-0.0006	5.1098	0.8823	0.3481	-0.4667	0.7636
59	11.3	11.4	3.2647	1.8451	-0.0007	5.1091	0.9372	0.3554	-0.4675	0.8251
60	11.8	11.4	3.264	1.845	-0.0006	5.1085	0.9913	0.361	-0.4691	0.8833
61	11.4	11.5	3.2634	1.8449	-0.0005	5.1078	1.0311	0.3711	-0.4705	0.9318
62	11.1	11.5	3.2635	1.8448	-0.0005	5.1078	1.0694	0.3768	-0.4732	0.973
63	11	11.6	3.2639	1.8445	-0.0004	5.108	1.1014	0.3696	-0.4779	0.9931
64	11.3	11.7	3.2645	1.8444	-0.0004	5.1084	1.1485	0.3584	-0.4854	1.0215
65	12.1	11.8	3.2658	1.8444	-0.0003	5.11	1.1846	0.3541	-0.4857	1.053

66	11.7	11.9	3.2671	1.8433	-0.0002	5.1102	1.2035	0.3567	-0.489	1.0712
67	12.1	11.9	3.2677	1.8432	-0.0002	5.1107	1.2221	0.3493	-0.4932	1.0782
68	11.8	12.1	3.2682	1.8431	-0.0001	5.1111	1.2431	0.3235	-0.4938	1.0727
69	12	12.2	3.2674	1.8429	0	5.1104	1.2669	0.3348	-0.5003	1.1014
70	12.6	12.3	3.2671	1.8428	0	5.11	1.3138	0.3385	-0.5052	1.1471
71	12.4	12.5	3.2671	1.8426	0.0004	5.1102	1.3473	0.35	-0.508	1.1893
72	12.4	12.8	3.2662	1.842	0.001	5.1092	1.4101	0.3744	-0.5416	1.2428
73	12.6	13	3.2656	1.8412	0.0016	5.1084	1.4633	0.403	-0.5736	1.2927
74	12.3	13.3	3.2656	1.8393	0.0025	5.1074	1.4842	0.4321	-0.5939	1.3225
75	12.8	13.6	3.265	1.8379	0.0034	5.1064	1.5123	0.4656	-0.6319	1.346
76	12.8	13.9	3.264	1.8369	0.0056	5.1064	1.5638	0.4883	-0.6609	1.3912
77	14.1	14.3	3.2631	1.8356	0.0075	5.1062	1.5984	0.5112	-0.6754	1.4343
78	14	14.7	3.2608	1.8351	0.0098	5.1056	1.6292	0.5487	-0.6857	1.4923
79	14	15.1	3.2574	1.8353	0.012	5.1047	1.7698	0.6014	-0.7737	1.5974
80	14.9	15.5	3.2552	1.8357	0.0136	5.1045	1.8733	0.6195	-0.8173	1.6755
81	15.4	16.1	3.2523	1.836	0.0154	5.1037	2.0083	0.6637	-0.9158	1.7563
82	16.1	16.7	3.2505	1.8363	0.0171	5.1038	2.1187	0.6685	-0.9616	1.8256
83	16.3	17.5	3.2475	1.8363	0.0187	5.1024	2.1273	0.7158	-0.9681	1.875
84	17.3	18.4	3.2462	1.836	0.0199	5.1021	2.1349	0.7094	-0.9747	1.8696
85	17.8	19.3	3.2456	1.8353	0.0209	5.1017	2.1668	0.7313	-0.9535	1.9446
86	19.9	20.3	3.2441	1.8345	0.0224	5.101	2.1692	0.7475	-0.9445	1.9722
87	18.8	21.3	3.2416	1.8335	0.0244	5.0995	2.2442	0.7774	-0.9692	2.0524
88	20.4	22.5	3.2397	1.8335	0.0254	5.0986	2.3141	0.7911	-1.0063	2.0989
89	20.7	23.8	3.2364	1.8335	0.0265	5.0964	2.4113	0.7919	-1.0442	2.159
90	22.7	25.2	3.2344	1.8333	0.0271	5.0948	2.5094	0.7975	-1.0837	2.2232
91	25.1	26.8	3.232	1.833	0.029	5.0939	2.5909	0.8141	-1.0945	2.3105
92	26.8	28.5	3.2298	1.8328	0.0306	5.0932	2.6737	0.8369	-1.1058	2.4048
93	28.7	30.3	3.2287	1.8323	0.0313	5.0923	2.7514	0.8521	-1.1502	2.4533
94	30.6	32.2	3.2262	1.832	0.0328	5.0909	2.8775	0.867	-1.2059	2.5386
95	31.9	34.1	3.2235	1.8299	0.0339	5.0873	2.9559	0.9111	-1.2227	2.6443
96	33.7	36.2	3.2213	1.8292	0.0351	5.0856	3.0834	0.9147	-1.2689	2.7292
97	35.9	38.3	3.2172	1.8271	0.0361	5.0804	3.1658	0.9629	-1.3116	2.8171
98	39.2	40.4	3.215	1.8253	0.0375	5.0778	3.2207	1.0731	-1.3327	2.9611
99	41.4	43	3.2108	1.8237	0.0385	5.073	3.3109	1.1092	-1.405	3.0151
100	45.7	45.2	3.2069	1.8232	0.0395	5.0696	3.4635	1.126	-1.508	3.0815
101	48.3	47.4	3.2038	1.8223	0.0409	5.067	3.6029	1.1764	-1.6122	3.1671
102	51.1	49.3	3.2005	1.8216	0.0422	5.0642	3.6835	1.2452	-1.6425	3.2861

103	53.5	51.2	3.1977	1.8199	0.0434	5.061	3.7832	1.3116	-1.6532	3.4416
104	53.5	53.2	3.1942	1.8186	0.0441	5.0568	3.9285	1.3271	-1.6914	3.5642
105	58.9	55.1	3.1913	1.8186	0.0442	5.0541	4.0376	1.3768	-1.7251	3.6894
106	60.1	56.9	3.1894	1.8187	0.0447	5.0527	4.2312	1.4399	-1.849	3.822
107	59.7	58.8	3.1849	1.8149	0.0457	5.0456	4.425	1.484	-1.9096	3.9994
108	69.6	60.7	3.1792	1.8134	0.0458	5.0384	4.6719	1.5533	-2.0503	4.1749
109	65.2	62.7	3.1738	1.8116	0.046	5.0314	4.8804	1.5682	-2.108	4.3406
110	65.8	64.6	3.1697	1.8094	0.0461	5.0253	5.2948	1.5359	-2.3558	4.4749
111	63.4	66.6	3.1655	1.808	0.0463	5.0199	5.4395	1.5268	-2.4197	4.5466
112	65	68.4	3.1625	1.8084	0.0468	5.0177	5.5921	1.5398	-2.4982	4.6336
113	68	70.1	3.1579	1.8084	0.0476	5.014	5.8242	1.545	-2.6194	4.7498
114	69.1	72	3.1539	1.8081	0.0476	5.0097	5.9599	1.5661	-2.6892	4.8367
115	67.9	73.8	3.1517	1.8074	0.0478	5.0068	6.1629	1.6687	-2.8654	4.9661
116	72	75.7	3.1495	1.808	0.0481	5.0056	6.3413	1.7734	-2.948	5.1667
117	74.7	77.6	3.1477	1.81	0.0481	5.0058	6.5201	1.7582	-2.9954	5.2828
118	80.4	79.3	3.1468	1.8079	0.0487	5.0034	6.7987	1.7293	-3.1762	5.3518
119	81.9	81	3.1438	1.8076	0.0494	5.0007	6.9511	1.7539	-3.2444	5.4606
120	85.1	83.1	3.141	1.8061	0.0496	4.9967	7.142	1.7525	-3.4372	5.4574
121	86.3	85.3	3.1352	1.8033	0.053	4.9915	7.3648	1.8418	-3.4497	5.7569
122	85.3	87.6	3.1302	1.8004	0.0562	4.9868	7.648	1.7339	-3.5204	5.8615
123	90.4	90.1	3.1294	1.7974	0.0583	4.9851	7.9425	1.7223	-3.6283	6.0366
124	92.6	92.7	3.1279	1.7942	0.0622	4.9843	8.1241	1.7453	-3.75	6.1194
125	96.7	95.3	3.124	1.792	0.0652	4.9812	8.3365	1.8092	-3.8336	6.3121
126	94.1	98	3.1205	1.7903	0.0667	4.9774	8.5079	1.8246	-3.9383	6.3943
127	102	101	3.1174	1.7872	0.0678	4.9724	8.6409	1.8431	-4.0452	6.4387
128	98.9	104	3.1038	1.7823	0.0766	4.9627	8.8697	1.8858	-4.1605	6.5949
129	105	106	3.0942	1.781	0.081	4.9562	9.1431	1.8566	-4.2827	6.7171
130	105	109	3.0806	1.7773	0.0909	4.9488	9.663	1.9253	-4.9088	6.6795
131	109	111	3.0689	1.7777	0.0955	4.9421	10.0326	1.9166	-5.0467	6.9025
132	116	114	3.0663	1.7734	0.0961	4.9358	10.2256	1.9864	-5.2029	7.0091
133	117	116	3.0635	1.7746	0.0967	4.9348	10.4249	2.0543	-5.2995	7.1796
134	118	119	3.0592	1.7724	0.0945	4.9261	10.691	2.0615	-5.4011	7.3514
135	123	121	3.0581	1.7708	0.0936	4.9225	11.0699	2.0617	-5.5642	7.5674
136	132	124	3.0499	1.7677	0.0961	4.9138	11.3368	2.0935	-5.6699	7.7605
137	134	127	3.0419	1.7667	0.0998	4.9085	11.641	2.1049	-5.7814	7.9645
138	131	131	3.0312	1.767	0.1036	4.9019	12.0008	2.0319	-6.0056	8.0271
139	133	134	3.0208	1.7666	0.1076	4.895	12.2419	2.1101	-6.0941	8.2578

140	134	138	3.0131	1.7648	0.1087	4.8866	12.3073	2.2304	-6.1847	8.353
141	135	142	3.0049	1.7626	0.1098	4.8773	12.5357	2.2218	-6.2576	8.4999
142	133	146	2.9957	1.7612	0.1142	4.8712	12.9204	2.3022	-6.5924	8.6302
143	136	150	2.9823	1.7599	0.1197	4.8619	13.434	2.2846	-6.9584	8.7602
144	141	154	2.973	1.7558	0.1214	4.8501	13.8513	2.314	-7.2664	8.8989
145	147	158	2.9599	1.7555	0.126	4.8414	14.158	2.3017	-7.414	9.0457
146	166	162	2.9509	1.7504	0.1304	4.8316	14.3907	2.3087	-7.5353	9.164
147	166	166	2.9441	1.7393	0.1325	4.8159	14.7236	2.3462	-7.6819	9.3879
148	169	170	2.9339	1.7355	0.1397	4.8092	15.0527	2.345	-7.8991	9.4986
149	180	175	2.9173	1.7336	0.15	4.801	15.3659	2.3301	-8.112	9.5841
150	186	180	2.903	1.7286	0.1605	4.7922	15.533	2.3576	-8.2067	9.6839
151	189	185	2.8948	1.7219	0.1637	4.7804	15.7029	2.4453	-8.3026	9.8456
152	194	191	2.8838	1.7157	0.1648	4.7643	15.8536	2.5256	-8.3717	10.0074
153	195	196	2.8687	1.714	0.1685	4.7512	16.04	2.5322	-8.5658	10.0064
154	204	201	2.8573	1.7089	0.1718	4.7379	16.1976	2.5892	-8.5867	10.2001
155	209	206	2.8387	1.7023	0.1843	4.7253	16.3109	2.6478	-8.653	10.3057
156	203	211	2.8206	1.6979	0.1905	4.7089	16.5615	2.788	-8.8682	10.4813
157	213	215	2.7967	1.6904	0.2045	4.6917	16.9696	2.8931	-9.168	10.6947
158	226	220	2.7771	1.6885	0.2102	4.6758	17.2376	2.9233	-9.2991	10.8618
159	231	224	2.7352	1.6915	0.2349	4.6616	17.3043	2.9837	-9.2901	10.9979
160	236	228	2.7201	1.6923	0.2414	4.6538	17.3253	3.09	-9.2909	11.1244
161	231	232	2.7041	1.691	0.2493	4.6444	17.6551	3.1419	-9.4653	11.3317
162	234	235	2.6811	1.6903	0.2614	4.6328	17.9243	3.2321	-9.7882	11.3682
163	243	239	2.668	1.6879	0.2685	4.6243	18.0088	3.2163	-9.7975	11.4276
164	247	244	2.6482	1.6775	0.2861	4.6118	18.1441	3.2323	-9.809	11.5674
165	245	248	2.6317	1.6671	0.2945	4.5933	18.4225	3.2611	-9.9809	11.7027
166	250	253	2.6151	1.6675	0.2993	4.5819	18.4387	3.3041	-9.9858	11.7569
167	269	258	2.5878	1.6703	0.3174	4.5755	18.461	3.3698	-9.9002	11.9306
168	254	262	2.573	1.6677	0.3244	4.5651	18.584	3.4465	-9.9249	12.1056
169	256	265	2.5532	1.6677	0.3437	4.5646	18.7009	3.4547	-9.9552	12.2005
170	260	268	2.5307	1.6587	0.345	4.5344	19.1199	3.4832	-10.2636	12.3395
171	262	271	2.5023	1.6692	0.3525	4.524	19.5067	3.523	-10.5696	12.4602
172	277	274	2.4719	1.6698	0.3639	4.5055	19.546	3.55	-10.5707	12.5253
173	283	276	2.4532	1.6666	0.3766	4.4965	19.6287	3.6085	-10.5627	12.6745
174	295	279	2.432	1.6584	0.3858	4.4762	19.7848	3.6355	-10.5413	12.8791
175	302	281	2.4142	1.6555	0.3973	4.467	19.8809	3.6228	-10.4963	13.0075
176	301	282	2.3999	1.6526	0.4101	4.4626	20.0838	3.6447	-10.4941	13.2344

177	302	282	2.3761	1.647	0.4236	4.4467	20.206	3.648	-10.6175	13.2365
178	283	283	2.3465	1.6494	0.4381	4.4339	20.3004	3.6311	-10.555	13.3765
179	291	285	2.2911	1.6428	0.5029	4.4368	20.306	3.6122	-10.4582	13.46
180	289	285	2.252	1.644	0.5183	4.4143	20.3937	3.644	-10.4872	13.5505
181	290	286	2.2298	1.6374	0.5356	4.4028	20.3692	3.9167	-10.6661	13.6198
182	297	287	2.208	1.6308	0.5471	4.3858	20.3443	4.4905	-11.1171	13.7177
183	290	287	2.1784	1.6301	0.5588	4.3673	20.521	4.7821	-11.3303	13.9728
184	284	287	2.1392	1.6298	0.5764	4.3454	20.6765	4.9102	-11.461	14.1257
185	268	288	2.1119	1.6259	0.5879	4.3257	20.8858	4.9817	-11.5665	14.301
186	279	289	2.08	1.624	0.6006	4.3045	20.9431	5.1059	-11.7408	14.3082
187	278	289	2.0415	1.6303	0.625	4.2968	21.2389	5.056	-11.8008	14.4941
188	278	291	2.0155	1.6225	0.6348	4.2728	21.3688	5.0099	-11.8905	14.4882
189	272	293	2.0057	1.6104	0.6449	4.2611	21.1893	5.1174	-11.8211	14.4856
190	281	295	1.9808	1.6111	0.6529	4.2448	21.3218	5.1092	-11.7589	14.6721
191	286	297	1.94	1.6027	0.6882	4.2309	21.6359	4.5111	-11.4446	14.7024
192	289	299	1.8864	1.6044	0.7264	4.2172	22.2635	3.9718	-11.5124	14.723
193	292	301	1.8436	1.6009	0.758	4.2024	22.4527	4.4164	-11.9421	14.927
194	320	304	1.8104	1.6018	0.7742	4.1864	22.5327	4.315	-11.9264	14.9214
195	319	308	1.7844	1.599	0.7875	4.1709	22.7186	4.3788	-12.162	14.9354
196	311	311	1.7489	1.5946	0.8033	4.1468	22.8676	4.5131	-12.3661	15.0146
197	324	314	1.712	1.5926	0.826	4.1306	23.023	4.5349	-12.417	15.1409
198	326	316	1.6784	1.5923	0.8487	4.1194	23.0645	4.549	-12.486	15.1275
199	320	319	1.6575	1.5879	0.8592	4.1046	23.1471	4.6381	-12.4864	15.2988
200	335	322	1.6366	1.5787	0.8698	4.0851	23.2126	4.6949	-12.4725	15.435
201	330	325	1.6184	1.5698	0.8781	4.0662	23.432	4.7334	-12.7587	15.4067
202	333	328	1.5965	1.5683	0.8988	4.0636	23.4812	4.6573	-12.6498	15.4887
203	333	332	1.5779	1.561	0.9021	4.041	23.4841	4.6111	-12.6287	15.4665
204	344	334	1.5631	1.5538	0.9094	4.0262	23.4737	4.6611	-12.6479	15.4869
205	340	338	1.5352	1.5398	0.931	4.006	23.4518	4.6935	-12.6533	15.492
206	331	343	1.4924	1.5293	0.9615	3.9833	23.3337	4.6622	-12.4537	15.5422
207	324	348	1.4612	1.5226	0.9756	3.9594	23.203	4.6984	-12.42	15.4814
208	325	353	1.4488	1.515	0.9748	3.9386	23.0882	4.6651	-12.2878	15.4656
209	332	359	1.4412	1.5026	0.9751	3.919	22.971	4.6859	-12.1846	15.4722
210	342	364	1.4042	1.4952	0.9927	3.8921	22.575	4.7306	-11.8439	15.4618
211	348	369	1.3731	1.4848	1.0251	3.883	22.4858	4.7408	-11.7062	15.5203
212	364	372	1.3616	1.4867	1.0266	3.8749	22.3595	4.7626	-11.5719	15.5503
213	373	376	1.3435	1.4852	1.0285	3.8572	22.1236	4.8654	-11.4122	15.5768

214	394	380	1.3117	1.482	1.0457	3.8394	21.9996	4.8878	-11.2917	15.5957
215	402	384	1.3078	1.477	1.0463	3.8311	21.7879	4.8406	-11.0975	15.531
216	417	390	1.3034	1.471	1.0381	3.8125	21.6284	4.8612	-11.0178	15.4717
217	427	396	1.2893	1.4654	1.0406	3.7953	21.4386	5.0228	-11.0132	15.4482
218	436	402	1.2767	1.4625	1.0442	3.7834	21.1575	5.1713	-10.8575	15.4712
219	424	407	1.2318	1.4592	1.0757	3.7668	21.006	5.1414	-10.8018	15.3456
220	414	411	1.1904	1.4538	1.1066	3.7507	20.8211	5.1598	-10.5315	15.4493
221	397	416	1.1806	1.4483	1.11	3.7389	20.6039	5.0746	-10.4947	15.1839
222	410	419	1.1674	1.4396	1.1124	3.7194	20.2664	5.3439	-10.5147	15.0956
223	414	421	1.1509	1.4338	1.1124	3.6972	19.9602	5.3816	-10.4279	14.9138
224	429	421	1.1398	1.4319	1.1119	3.6836	19.8407	5.2912	-10.269	14.8629
225	433	421	1.1156	1.4276	1.1146	3.6578	19.5903	5.2289	-10.1245	14.6947
226	447	420	1.0999	1.4255	1.1284	3.6538	19.3848	5.205	-9.9591	14.6306
227	435	419	1.0874	1.4241	1.1233	3.6348	19.272	5.1555	-9.812	14.6155
228	434	417	1.0732	1.4211	1.1224	3.6167	18.9818	5.1826	-9.6908	14.4736
229	420	416	1.0548	1.4166	1.1297	3.6012	18.6401	5.3117	-9.5722	14.3797
230	433	414	1.0437	1.3856	1.1575	3.5868	18.1222	5.3327	-8.9408	14.514
231	429	412	1.0345	1.3286	1.2072	3.5703	17.7288	5.3587	-8.7812	14.3063
232	411	409	1.0142	1.2952	1.2291	3.5386	17.6178	5.0979	-8.5062	14.2095
233	392	407	0.9959	1.2836	1.2428	3.5222	17.501	4.7742	-8.3588	13.9164
234	398	403	0.9707	1.2742	1.2511	3.496	17.2543	4.6419	-8.1691	13.7272
235	408	399	0.9638	1.2602	1.2677	3.4916	16.8198	4.6063	-7.9584	13.4677
236	406	395	0.926	1.2622	1.2762	3.4643	16.4856	4.6579	-7.8217	13.3218
237	400	391	0.9051	1.2657	1.2889	3.4597	16.1315	4.7367	-7.6894	13.1788
238	396	386	0.9123	1.2553	1.2857	3.4533	15.7321	4.8751	-7.4748	13.1324
239	379	383	0.8886	1.2557	1.2835	3.4278	15.4745	4.8253	-7.3735	12.9263
240	355	380	0.8495	1.3137	1.2531	3.4163	15.382	4.7068	-7.2622	12.8265
241	360	379	0.7785	1.3654	1.261	3.405	15.175	4.6632	-7.1798	12.6583
242	364	379	0.7504	1.3196	1.3084	3.3785	14.7962	4.5318	-6.8066	12.5214
243	359	381	0.729	1.3284	1.3123	3.3697	14.2928	4.573	-6.4243	12.4416
244	364	383	0.7011	1.3179	1.3376	3.3566	13.8214	4.5845	-6.1188	12.2871
245	359	384	0.6731	1.3042	1.3626	3.3399	13.4453	4.6788	-5.961	12.1631
246	362	386	0.6485	1.2969	1.3721	3.3175	13.0288	4.8117	-5.8453	11.9952
247	344	388	0.6376	1.2844	1.3811	3.3031	12.5659	4.8836	-5.698	11.7514
248	363	392	0.6192	1.2717	1.3884	3.2793	12.1392	4.9702	-5.4859	11.6234
249	380	397	0.5961	1.2641	1.3973	3.2575	11.7669	5.0176	-5.2446	11.5398
250	406	403	0.5598	1.2553	1.4364	3.2516	11.5299	5.0318	-5.1358	11.4259

251	416	409	0.5466	1.2562	1.4287	3.2315	11.3311	4.9317	-5.0097	11.2531
252	419	414	0.5354	1.2546	1.4277	3.2176	11.1497	4.8333	-4.9081	11.075
253	433	420	0.5213	1.2478	1.4333	3.2025	10.9445	4.8003	-4.6985	11.0463
254	438	425	0.5121	1.2395	1.4371	3.1887	10.7124	4.7799	-4.6852	10.8071
255	438	430	0.5054	1.2361	1.4297	3.1711	10.5591	4.6573	-4.5198	10.6966
256	446	434	0.5003	1.228	1.4325	3.1608	10.2347	4.5299	-4.2605	10.5041
257	467	438	0.4879	1.2239	1.4333	3.1451	9.7397	4.4998	-3.926	10.3135
258	471	441	0.48	1.2199	1.4286	3.1285	9.3037	4.559	-3.7661	10.0966
259	461	441	0.4777	1.2184	1.4193	3.1154	9.0557	4.5971	-3.7552	9.8977
260	475	440	0.4715	1.2183	1.412	3.1018	8.836	4.6177	-3.7445	9.7092
261	466	438	0.4682	1.2147	1.4065	3.0894	8.3937	4.6062	-3.5371	9.4628
262	463	433	0.4687	1.2037	1.4027	3.0751	8.0914	4.4627	-3.149	9.4051
263	471	427	0.468	1.1991	1.3977	3.0648	7.9268	4.4724	-3.098	9.3012
264	456	421	0.4694	1.1934	1.3959	3.0587	7.6363	4.5733	-3.0497	9.1599
265	437	414	0.4689	1.181	1.3963	3.0461	7.309	4.4698	-2.8067	8.9722
266	417	406	0.4712	1.1652	1.4007	3.0371	7.2484	4.3805	-2.7369	8.892
267	408	397	0.4721	1.1532	1.4032	3.0284	7.2636	4.2614	-2.7696	8.7554
268	398	386	0.4724	1.1535	1.4045	3.0305	7.107	4.149	-2.7121	8.544
269	387	376	0.4711	1.1517	1.3969	3.0197	6.9678	4.0682	-2.6306	8.4054
270	360	364	0.4703	1.1512	1.3945	3.016	6.4912	4.0466	-2.2762	8.2616
271	341	352	0.4757	1.1348	1.404	3.0145	6.0315	4.0309	-1.9657	8.0967
272	314	340	0.4759	1.1316	1.4067	3.0142	5.9176	3.9719	-1.8994	7.9901
273	315	327	0.4692	1.1375	1.4035	3.0102	5.7678	3.8569	-1.8182	7.8065
274	308	315	0.4729	1.1355	1.3983	3.0067	5.5646	3.7862	-1.7805	7.5704
275	300	304	0.4758	1.135	1.3932	3.0039	5.4576	3.7374	-1.7416	7.4534
276	288	293	0.4727	1.1371	1.3913	3.001	5.2019	3.6582	-1.6868	7.1733
277	275	281	0.4779	1.1287	1.3927	2.9994	4.9607	3.7263	-1.5304	7.1566
278	259	270	0.4824	1.1182	1.3953	2.996	4.7944	3.7124	-1.5652	6.9415
279	257	258	0.4789	1.1095	1.397	2.9854	4.6429	3.6668	-1.5438	6.7659
280	243	248	0.4791	1.1082	1.3964	2.9837	4.5295	3.5217	-1.4255	6.6257
281	233	238	0.468	1.1276	1.3863	2.9818	4.4881	3.0976	-1.088	6.4978
282	224	229	0.4579	1.1534	1.3829	2.9942	4.3528	2.5223	-0.5439	6.3312
283	225	219	0.453	1.1659	1.3757	2.9946	4.0878	2.2495	-0.3097	6.0277
284	219	209	0.4572	1.1692	1.3722	2.9986	3.9039	2.1583	-0.1866	5.8756
285	207	199	0.4633	1.1601	1.3701	2.9935	3.6552	1.9779	-0.0826	5.5505
286	195	190	0.4668	1.1503	1.3695	2.9866	3.5396	1.8055	0.1315	5.4765
287	179	181	0.4683	1.1428	1.3725	2.9836	3.1649	1.7519	0.2595	5.1763

288	169	172	0.4681	1.14	1.3721	2.9802	2.9186	1.8174	0.4001	5.136
289	165	163	0.4675	1.1397	1.3712	2.9784	3.0075	1.608	0.4511	5.0665
290	147	155	0.4633	1.1448	1.3708	2.979	2.7699	1.5155	0.52	4.8054
291	136	147	0.4604	1.1495	1.3689	2.9788	2.3225	2.1899	0.269	4.7814
292	127	139	0.4571	1.1471	1.3689	2.973	1.5804	2.7678	0.3795	4.7276
293	118	132	0.4614	1.1424	1.3699	2.9737	1.2706	2.3152	0.8815	4.4673
294	114	124	0.4659	1.1339	1.3703	2.9701	1.041	2.4215	0.9395	4.402
295	110	117	0.4815	1.1179	1.372	2.9714	0.7178	2.3288	1.2078	4.2544
296	104	111	0.4923	1.1062	1.3731	2.9717	0.42	2.2109	1.4805	4.1114
297	97.8	105	0.4981	1.0956	1.3746	2.9682	0.1541	2.0878	1.6402	3.8821
298	91.2	99.5	0.5017	1.0905	1.3732	2.9654	0.0077	1.8693	1.9007	3.7776
299	87.9	94.2	0.5045	1.0848	1.3728	2.962	-0.2433	1.6164	2.1141	3.4872
300	79.9	89.6	0.5035	1.0855	1.3707	2.9598	-0.5241	1.4715	2.347	3.2944
301	79.1	85.7	0.5034	1.0864	1.3689	2.9587	-0.8878	1.2427	2.8911	3.246
302	73.8	82.1	0.502	1.0883	1.3686	2.9589	-1.081	1.1211	2.9939	3.034
303	76.5	79	0.5067	1.083	1.3706	2.9603	-1.2734	1.0314	3.1144	2.8723
304	75.5	76	0.5072	1.0881	1.3613	2.9566	-1.473	0.8922	3.2805	2.6997
305	72.1	73	0.5117	1.0868	1.357	2.9555	-1.5989	0.7282	3.4444	2.5736
306	68	70.4	0.5185	1.0794	1.3541	2.9519	-1.6812	0.5492	3.5544	2.4223
307	67.6	68.1	0.5308	1.0667	1.3522	2.9497	-1.8045	0.3479	3.7776	2.321
308	64.7	66.2	0.5432	1.0553	1.3503	2.9489	-2.0345	0.2768	3.9169	2.1592
309	60.7	64.3	0.5576	1.0408	1.3495	2.948	-2.1841	0.1757	4.0111	2.0027
310	60.3	62.8	0.5649	1.0346	1.3464	2.9458	-2.3369	0.1398	4.0559	1.8588
311	59.5	61.3	0.5639	1.0386	1.34	2.9425	-2.4681	0.0845	4.1254	1.7418
312	57.7	60	0.5689	1.0395	1.3364	2.9448	-2.5531	-0.0207	4.2036	1.6298
313	57.1	58.5	0.5799	1.0279	1.3335	2.9412	-2.6266	-0.1397	4.2446	1.4783
314	54.1	57	0.5808	1.035	1.3263	2.9422	-2.7032	-0.1711	4.2715	1.3972
315	54.2	55.6	0.5829	1.0389	1.32	2.9419	-2.8313	0.0233	4.0861	1.2781
316	54.7	54.4	0.5771	1.0448	1.3151	2.937	-2.9153	-0.0531	4.1028	1.1344
317	53.7	53.2	0.5786	1.0505	1.3118	2.9409	-2.962	-0.1916	4.2104	1.0568
318	52.2	52.2	0.5799	1.0556	1.3073	2.9428	-3.0027	-0.3048	4.2761	0.9687
319	52	51.4	0.5827	1.0546	1.3034	2.9406	-3.0751	-0.2901	4.3345	0.9692
320	50.6	50.7	0.5872	1.0507	1.3031	2.941	-3.1596	-0.2753	4.3207	0.8859
321	49.1	49.9	0.5888	1.0511	1.3	2.9399	-3.2573	-0.2656	4.3669	0.8441
322	47.6	49.3	0.5906	1.0539	1.2943	2.9387	-3.2636	-0.4328	4.5548	0.8583
323	46.4	48.7	0.5945	1.0552	1.2905	2.9401	-3.3527	-0.4913	4.633	0.7889
324	46.7	48.2	0.5941	1.0581	1.286	2.9382	-3.4419	-0.403	4.6459	0.801

325	44.2	47.8	0.5954	1.0617	1.2833	2.9404	-3.4905	-0.3449	4.6412	0.8059
326	46.1	47.3	0.6038	1.0529	1.2815	2.9381	-3.5369	-0.3128	4.6066	0.7568
327	45.1	46.9	0.608	1.0529	1.2798	2.9406	-3.6312	-0.2586	4.6186	0.7288
328	45.5	46.4	0.6089	1.0545	1.2768	2.9401	-3.6883	-0.2975	4.6822	0.6964
329	46.3	46	0.6019	1.0644	1.2723	2.9386	-3.7384	-0.3857	4.7526	0.6285
330	45.7	45.6	0.5949	1.0759	1.2663	2.937	-3.794	-0.4983	4.8054	0.5131
331	45.4	45.3	0.5992	1.0764	1.2616	2.9372	-3.8038	-0.5301	4.8309	0.4971
332	45.9	45.1	0.6055	1.0702	1.2601	2.9358	-3.9669	-0.3204	4.767	0.4797
333	45.4	45	0.6055	1.0678	1.2614	2.9346	-4.1025	-0.0522	4.7666	0.6118
334	45.2	44.9	0.6051	1.0765	1.2594	2.941	-4.1921	0.1152	4.7257	0.6489
335	45.3	44.9	0.6099	1.0796	1.2545	2.944	-4.1612	0.149	4.7363	0.7241
336	45.9	44.7	0.6095	1.087	1.2503	2.9467	-4.1133	0.0555	4.7118	0.6539
337	43.3	44.6	0.6132	1.084	1.2489	2.9461	-4.078	0.0386	4.7013	0.662
338	43.8	44.4	0.6115	1.0945	1.2406	2.9467	-4.1028	0.0174	4.7505	0.6651
339	44.2	44.2	0.6116	1.1042	1.2315	2.9473	-4.1457	-0.0119	4.824	0.6664
340	42.7	44	0.6172	1.0947	1.2262	2.9382	-4.2591	0.0378	4.8653	0.644
341	43.8	43.7	0.6205	1.0887	1.2231	2.9322	-4.3914	0.1563	4.8815	0.6465
342	44.2	43.5	0.6234	1.0881	1.2203	2.9317	-4.4516	0.2475	4.8578	0.6537
343	45.1	43.2	0.6249	1.0863	1.2184	2.9296	-4.578	0.2812	4.8835	0.5867
344	44.5	42.9	0.6293	1.085	1.2168	2.9311	-4.6286	0.2797	4.9202	0.5713
345	42.7	42.7	0.6311	1.0831	1.2146	2.9288	-4.6747	0.241	4.9435	0.5099
346	41.9	42.4	0.6331	1.0881	1.208	2.9293	-4.6234	0.1395	4.9771	0.4932
347	43.1	42.3	0.6369	1.0975	1.191	2.9253	-4.6683	0.1223	5.0471	0.5011
348	41.2	42.1	0.6435	1.1101	1.177	2.9306	-4.6741	0.0413	5.0811	0.4484
349	42.1	41.9	0.6485	1.117	1.1626	2.9281	-4.6992	0.0479	5.0834	0.4321
350	40.8	41.8	0.6486	1.131	1.1473	2.927	-4.7028	-0.0014	5.1238	0.4196
351	40.7	41.8	0.6547	1.1441	1.1293	2.9281	-4.6853	-0.0877	5.1303	0.3573
352	40.6	41.7	0.6627	1.1515	1.1162	2.9304	-4.6601	-0.0873	5.1478	0.4004
353	40.1	41.6	0.6686	1.1586	1.1053	2.9325	-4.7489	-0.0148	5.1603	0.3966
354	40.5	41.5	0.672	1.1667	1.0927	2.9314	-4.7232	-0.0774	5.2084	0.4077
355	40.6	41.5	0.6735	1.1811	1.0742	2.9289	-4.7109	-0.0803	5.1587	0.3674
356	41.2	41.5	0.6807	1.1932	1.0547	2.9287	-4.7212	-0.0699	5.1634	0.3723
357	40	41.4	0.6913	1.1963	1.0416	2.9292	-4.6751	-0.1153	5.1351	0.3447
358	40.5	41.4	0.6984	1.2024	1.0275	2.9283	-4.3811	-0.4329	5.1124	0.2985
359	41.1	41.2	0.7114	1.2045	1.0137	2.9296	-4.2281	-0.5914	5.1099	0.2904
360	43.3	41.2	0.7183	1.2098	0.9994	2.9276	-4.0527	-0.7243	5.0905	0.3135
361	42	41.1	0.7235	1.2168	0.9861	2.9264	-3.9577	-0.8264	5.0791	0.2951

362	43.3	41.2	0.7314	1.2177	0.9782	2.9273	-3.9689	-0.8087	5.0542	0.2767
363	41.9	41.1	0.7383	1.2162	0.9705	2.9251	-3.9788	-0.7744	5.0491	0.2959
364	43.1	41	0.7525	1.1911	0.9873	2.9309	-3.9485	-0.8712	5.0445	0.2247
365	41.6	40.9	0.7604	1.1863	0.986	2.9327	-3.9226	-0.8405	5.0029	0.2398
366	41.4	40.8	0.7674	1.1844	0.9796	2.9314	-3.8629	-0.8063	4.9544	0.2852
367	41	40.5	0.7723	1.1836	0.9756	2.9315	-3.9131	-0.7468	4.9305	0.2706
368	39.7	40.4	0.78	1.1825	0.9711	2.9336	-3.8736	-0.6675	4.8781	0.337
369	39.9	40.2	0.7871	1.1792	0.9648	2.9311	-3.815	-0.6482	4.8053	0.3421
370	39.9	39.9	0.796	1.1778	0.9578	2.9316	-3.7755	-0.7058	4.7825	0.3012
371	40.9	39.7	0.802	1.1781	0.9485	2.9286	-3.7435	-0.7457	4.8069	0.3177
372	38.7	39.4	0.8111	1.1808	0.9434	2.9353	-3.7492	-0.7561	4.816	0.3107
373	40	39.1	0.8134	1.1778	0.9389	2.9301	-3.7553	-0.746	4.7857	0.2844
374	37.7	38.8	0.822	1.17	0.9341	2.9261	-3.744	-0.732	4.7806	0.3046
375	38.7	38.5	0.8295	1.1662	0.9325	2.9282	-3.7889	-0.6921	4.7772	0.2962
376	35.7	38.3	0.8358	1.1629	0.9294	2.9281	-3.8007	-0.6321	4.7623	0.3295
377	37.6	38	0.8468	1.1585	0.9245	2.9297	-3.6937	-0.7686	4.7745	0.3122
378	38.1	37.9	0.8563	1.1568	0.92	2.9331	-3.6679	-0.7956	4.8428	0.3793
379	37.7	37.7	0.8583	1.1593	0.9164	2.9341	-3.7395	-0.7737	4.9493	0.436
380	38.2	37.5	0.8595	1.1612	0.9133	2.934	-3.7361	-0.6486	4.7277	0.343
381	36.8	37.3	0.8647	1.1596	0.9096	2.9339	-3.7118	-0.5433	4.5638	0.3087
382	37	37.1	0.8681	1.1586	0.9063	2.933	-3.5727	-0.5942	4.4454	0.2785
383	36.7	36.9	0.8722	1.1544	0.9031	2.9297	-3.5226	-0.6335	4.398	0.2419
384	36.9	36.8	0.8733	1.1543	0.8986	2.9262	-3.6016	-0.5761	4.38	0.2023
385	37.1	36.6	0.8747	1.1546	0.8989	2.9281	-3.604	-0.4321	4.3209	0.2848
386	35.8	36.6	0.8746	1.1465	0.8994	2.9205	-3.5351	-0.3648	4.2623	0.3624
387	36.6	36.5	0.8786	1.141	0.8974	2.9171	-3.5634	-0.286	4.2234	0.374
388	35.9	36.4	0.8826	1.1412	0.8897	2.9136	-3.4655	-0.3348	4.1791	0.3788
389	36.6	36.3	0.8934	1.1359	0.8846	2.914	-3.3634	-0.344	4.0881	0.3807
390	36.7	36.2	0.9025	1.1292	0.8827	2.9143	-3.3183	-0.2971	4.0018	0.3863
391	34.9	36.2	0.9055	1.1248	0.8831	2.9134	-3.2308	-0.4145	3.9541	0.3087
392	36.1	36.1	0.9149	1.119	0.8805	2.9144	-3.1751	-0.448	3.9217	0.2986
393	36.2	36.1	0.9243	1.1144	0.8778	2.9166	-3.2073	-0.3361	3.8872	0.3437
394	35	36.1	0.9333	1.1098	0.876	2.9191	-3.1875	-0.3391	3.8695	0.3429
395	35.7	36.1	0.9438	1.1039	0.8743	2.922	-3.1789	-0.3151	3.8819	0.3879
396	35.4	36.1	0.9591	1.094	0.8684	2.9215	-3.2122	-0.2585	3.8701	0.3994
397	36.2	36.1	0.9655	1.0915	0.8665	2.9234	-3.2108	-0.1694	3.7657	0.3855
398	35.8	36.2	0.9716	1.0857	0.8649	2.9222	-3.181	-0.0481	3.5767	0.3476

399	35.4	36.3	0.9747	1.0849	0.8604	2.92	-3.125	0.0838	3.4388	0.3976
400	37.4	36.3	0.972	1.0943	0.8577	2.924	-3.0513	0.137	3.2646	0.3502
401	35.3	36.5	0.9695	1.0952	0.8541	2.9187	-3.0089	0.2892	3.0852	0.3656
402	36.2	36.5	0.9769	1.0898	0.8526	2.9193	-2.9676	0.4713	2.9186	0.4222
403	36.8	36.7	0.979	1.0907	0.8498	2.9195	-2.9681	0.6104	2.8092	0.4515
404	37.3	36.8	0.9783	1.0961	0.8455	2.9199	-2.9837	0.7515	2.7014	0.4692
405	37.1	36.9	0.9838	1.0938	0.8407	2.9183	-3.009	0.8772	2.5744	0.4426
406	36.7	37	0.986	1.0909	0.8406	2.9174	-2.9785	1.0117	2.3769	0.41
407	36.9	37	0.9689	1.11	0.841	2.9199	-2.8599	1.0793	2.1713	0.3907
408	37.4	37.1	0.966	1.1144	0.8393	2.9198	-2.8075	1.1541	2.0462	0.3928
409	38.3	37.2	0.9629	1.1133	0.8405	2.9167	-2.787	1.2847	1.8897	0.3874
410	37.9	37.1	0.9606	1.1173	0.8385	2.9163	-2.6014	1.2507	1.7491	0.3984
411	36.4	37.1	0.9608	1.1194	0.8346	2.9149	-2.4284	1.1972	1.6162	0.385
412	39.2	37.2	0.9668	1.1169	0.8315	2.9152	-2.3014	1.2073	1.4669	0.3728
413	38.6	37.2	0.9747	1.115	0.8291	2.9188	-2.2208	1.22	1.3811	0.3803
414	36.9	37.4	0.9731	1.1191	0.8261	2.9182	-2.0739	1.0865	1.3061	0.3187
415	37.4	37.4	0.9692	1.1196	0.8246	2.9134	-1.8777	0.7072	1.5186	0.3481
416	36.5	37.5	0.9684	1.1195	0.822	2.9099	-1.8278	0.6807	1.5021	0.355
417	37	37.6	0.966	1.1172	0.824	2.9072	-1.6833	0.6303	1.4222	0.3693
418	37.2	37.5	0.9614	1.1205	0.8268	2.9086	-1.5396	0.5142	1.3873	0.3619
419	36.1	37.5	0.9602	1.1252	0.8251	2.9105	-1.4133	0.4644	1.3259	0.3769
420	35.7	37.5	0.9616	1.1253	0.8224	2.9093	-1.3656	0.4766	1.2757	0.3867
421	37.7	37.5	0.9638	1.1267	0.8184	2.9089	-1.2774	0.45	1.2299	0.4025
422	37.2	37.4	0.9661	1.1285	0.8157	2.9103	-1.2361	0.4505	1.1695	0.3839
423	40.1	37.4	0.9689	1.1284	0.8124	2.9097	-1.1944	0.5652	1.1046	0.4754
424	37.8	37.4	0.973	1.1273	0.8083	2.9086	-1.1634	0.5939	1.0072	0.4377
425	38.2	37.3	0.9755	1.1249	0.807	2.9075	-1.0317	0.488	0.9646	0.4209
426	37.8	37.2	0.9732	1.1297	0.804	2.9069	-0.919	0.4376	0.9134	0.432
427	37.3	37.1	0.9747	1.1324	0.7955	2.9027	-0.842	0.3769	0.8905	0.4254
428	36.7	37	0.9828	1.1318	0.7818	2.8965	-0.7178	0.3365	0.831	0.4497
429	38	36.9	0.9755	1.1293	0.7995	2.9043	-0.6113	0.3269	0.7741	0.4897
430	37	36.9	0.966	1.1302	0.8099	2.9061	-0.5822	0.3612	0.741	0.52
431	37.6	36.7	0.9565	1.1358	0.817	2.9093	-0.5462	0.3758	0.7211	0.5506
432	37.9	36.7	0.9577	1.1336	0.8203	2.9116	-0.4534	0.3402	0.6704	0.5571
433	37.2	36.4	0.9656	1.1254	0.8234	2.9144	-0.4089	0.3347	0.6499	0.5756
434	35.4	36.1	0.9655	1.1197	0.8273	2.9125	-0.3222	0.2456	0.6404	0.5638
435	34.2	35.9	0.9634	1.1161	0.8283	2.9078	-0.278	0.2259	0.5969	0.5447

436	35.6	35.7	0.9659	1.1156	0.8279	2.9093	-0.3155	0.2518	0.6377	0.574
437	35.5	35.5	0.9597	1.1175	0.831	2.9082	-0.3266	0.1754	0.6677	0.5165
438	34.4	35.3	0.9479	1.1289	0.8318	2.9086	-0.2749	0.1106	0.6693	0.505
439	34.6	35	0.9435	1.1339	0.8313	2.9086	-0.2662	0.1413	0.6017	0.4768
440	35.3	34.8	0.9403	1.1362	0.8308	2.9073	-0.2267	0.137	0.562	0.4723
441	35.7	34.5	0.938	1.1335	0.8309	2.9024	-0.1538	0.0824	0.5351	0.4637
442	34.4	34.2	0.9441	1.1217	0.8316	2.8974	-0.1095	0.0448	0.5175	0.4528
443	33.6	34	0.9436	1.1202	0.8314	2.8953	0.0103	-0.0121	0.4763	0.4744
444	33.4	33.8	0.9472	1.1165	0.8286	2.8923	0.1261	-0.0933	0.4546	0.4874
445	34.8	33.6	0.9523	1.1089	0.8276	2.8888	0.2212	-0.1485	0.4627	0.5353
446	33.1	33.3	0.9542	1.105	0.8315	2.8907	0.3351	-0.2132	0.4766	0.5984
447	33.8	33.1	0.955	1.1023	0.8333	2.8906	0.5002	-0.3084	0.438	0.6298
448	32.3	32.9	0.956	1.1017	0.8331	2.8908	0.5124	-0.2856	0.4136	0.6404
449	32.3	32.8	0.9536	1.1033	0.8361	2.8931	0.5099	-0.3112	0.4051	0.6037
450	32.7	32.6	0.9495	1.1021	0.8388	2.8904	0.5643	-0.2982	0.3612	0.6273
451	31.6	32.4	0.9515	1.0969	0.8375	2.8859	0.5476	-0.2042	0.3225	0.6658
452	32.4	32.3	0.9595	1.0904	0.8353	2.8852	0.5584	-0.2233	0.2776	0.6127
453	31.7	32.3	0.967	1.0835	0.8352	2.8856	0.6849	-0.3225	0.2599	0.6222
454	30.7	32.1	0.9729	1.079	0.8353	2.8871	0.7268	-0.3443	0.2467	0.6291
455	31	31.9	0.9713	1.08	0.8366	2.8879	0.7354	-0.2862	0.2101	0.6592
456	31.5	31.8	0.9667	1.0853	0.8376	2.8896	0.8388	-0.3139	0.1613	0.6862
457	31	31.8	0.9721	1.0808	0.837	2.8899	0.9089	-0.3299	0.0994	0.6784
458	31.9	31.8	0.9771	1.0739	0.8385	2.8895	0.7262	-0.1444	0.1016	0.6834
459	31.2	31.8	0.9715	1.0794	0.8388	2.8897	0.7086	-0.0903	0.0887	0.7071
460	32.5	31.8	0.9611	1.0901	0.8378	2.8891	0.661	-0.0866	0.0834	0.6578
461	32.8	31.8	0.9537	1.096	0.8394	2.8891	0.5837	0.003	0.0523	0.6391
462	32.8	31.8	0.9534	1.0957	0.8401	2.8892	0.5323	0.0806	-0.0117	0.6011
463	30.4	31.7	0.9457	1.1076	0.8399	2.8932	0.6005	0.0255	-0.0207	0.6053
464	30.6	31.8	0.9403	1.1204	0.8354	2.8961	0.7043	-0.0325	-0.048	0.6238
465	31.8	31.9	0.9432	1.1182	0.8358	2.8972	0.6993	-0.0205	-0.0894	0.5894
466	32.9	31.8	0.9357	1.1214	0.8374	2.8945	0.6174	0.0026	-0.1019	0.5181
467	33.1	31.9	0.9263	1.1322	0.8368	2.8953	0.5984	0.0035	-0.1169	0.485
468	32.3	31.9	0.9213	1.1361	0.8385	2.8959	0.5976	-0.0513	-0.0962	0.4501
469	31.5	31.9	0.9236	1.1316	0.8372	2.8924	0.5839	-0.0775	-0.0583	0.4482
470	32.2	31.8	0.9237	1.1328	0.8348	2.8913	0.6151	-0.0656	-0.0644	0.4851
471	32.2	31.7	0.9257	1.1331	0.8315	2.8902	0.6374	-0.0869	-0.0879	0.4626
472	30.3	31.6	0.9306	1.1242	0.8329	2.8877	0.6962	-0.0728	-0.1422	0.4813

473	31.8	31.6	0.9297	1.1184	0.8382	2.8863	0.7199	-0.0356	-0.1696	0.5146
474	32.7	31.4	0.9251	1.1212	0.8377	2.884	0.7432	0.0098	-0.2336	0.5194
475	30.6	31.2	0.9213	1.1225	0.8412	2.885	0.8363	-0.0007	-0.317	0.5185
476	32	30.9	0.92	1.1252	0.8404	2.8856	0.883	-0.073	-0.2873	0.5226
477	32	30.5	0.9186	1.1248	0.8414	2.8847	0.8641	-0.0376	-0.2887	0.5379
478	31.7	30.3	0.9174	1.1241	0.8426	2.8841	0.8773	-0.0105	-0.3637	0.5031
479	31.2	30.1	0.9165	1.1232	0.8423	2.8821	0.9603	-0.0132	-0.5083	0.4388
480	30.5	29.8	0.9141	1.1236	0.8412	2.8789	0.8607	-0.02	-0.3533	0.4874
481	30.2	29.6	0.9101	1.1256	0.8425	2.8782	0.7545	-0.01	-0.268	0.4765
482	30.1	29.4	0.909	1.1252	0.8413	2.8755	0.6617	0.0499	-0.2129	0.4987
483	28.3	29	0.9044	1.1298	0.8391	2.8733	0.6838	0.0128	-0.2022	0.4945
484	26.9	28.7	0.9011	1.1317	0.8389	2.8717	0.7721	-0.0701	-0.1769	0.5251
485	27.3	28.4	0.9062	1.1294	0.8351	2.8707	0.8192	-0.164	-0.1401	0.5151
486	26.5	28.1	0.9073	1.1289	0.8326	2.8688	0.7947	-0.1905	-0.1314	0.4728
487	26.7	27.8	0.9061	1.13	0.8305	2.8666	0.7923	-0.17	-0.1413	0.481
488	28.1	27.4	0.9093	1.1271	0.8296	2.8659	0.688	-0.1231	-0.1109	0.454
489	27.7	27.1	0.9161	1.1222	0.8284	2.8668	0.5675	0.0225	-0.1147	0.4752
490	27.2	26.8	0.9179	1.1209	0.8292	2.8679	0.4987	0.1364	-0.1379	0.4972
491	26	26.4	0.9165	1.1203	0.8313	2.8681	0.4262	0.2067	-0.139	0.4939
492	26	26.1	0.9139	1.1202	0.8329	2.8669	0.4092	0.1866	-0.1371	0.4586
493	26.4	25.8	0.9117	1.1238	0.8324	2.8679	0.4712	0.0708	-0.1385	0.4034
494	25.3	25.5	0.9112	1.1247	0.8297	2.8656	0.4846	0.0364	-0.1394	0.3816
495	25.9	25.2	0.9103	1.1252	0.8266	2.8622	0.4804	0.0486	-0.1786	0.3503
496	25.3	25.1	0.9091	1.1248	0.8246	2.8586	0.5093	0.0311	-0.2081	0.3323
497	25.9	24.9	0.9142	1.12	0.8251	2.8594	0.4736	0.0358	-0.1967	0.3127
498	25.1	24.6	0.9207	1.1168	0.8244	2.8618	0.4498	0.0609	-0.1947	0.316
499	23.7	24.3	0.9183	1.1147	0.8243	2.8573	0.4098	0.1218	-0.205	0.3266
500	23.8	24	0.9173	1.1147	0.8255	2.8574	0.2947	0.212	-0.1776	0.3292
501	23.6	23.8	0.9136	1.1175	0.8263	2.8574	0.1694	0.2718	-0.1445	0.2967
502	22.6	23.5	0.9084	1.122	0.8266	2.8571	0.1672	0.2334	-0.1519	0.2487
503	21.8	23.3	0.9063	1.1252	0.8251	2.8566	0.2745	0.1361	-0.1764	0.2342
504	22.1	23	0.9047	1.1247	0.8245	2.8539	0.4227	-0.0176	-0.1762	0.2288
505	23	22.7	0.8999	1.1252	0.8246	2.8497	0.5311	-0.1081	-0.164	0.259
506	22.7	22.5	0.8951	1.1239	0.8306	2.8496	0.4838	-0.0598	-0.1648	0.2592
507	22.4	22.2	0.8963	1.1244	0.8308	2.8515	0.4158	0.0204	-0.1655	0.2707
508	22.9	21.8	0.8952	1.1235	0.8305	2.8491	0.5084	-0.076	-0.1627	0.2697
509	21.8	21.6	0.8968	1.1219	0.8321	2.8509	0.5633	-0.1672	-0.1325	0.2636

510	21.8	21.4	0.9023	1.1169	0.8332	2.8524	0.5017	-0.0742	-0.1277	0.2999
511	21.4	21.1	0.9076	1.1114	0.8358	2.8547	0.2872	0.1424	-0.1432	0.2864
512	21	20.9	0.9068	1.1144	0.8335	2.8547	0.1741	0.2403	-0.1325	0.2819
513	20.4	20.7	0.9043	1.1182	0.8339	2.8564	0.126	0.288	-0.1366	0.2774
514	20.4	20.5	0.9031	1.1212	0.835	2.8593	0.0143	0.4434	-0.1567	0.3011
515	20.5	20.2	0.9075	1.1193	0.8348	2.8616	-0.0315	0.602	-0.2532	0.3173
516	20.3	20	0.9085	1.1192	0.8337	2.8614	0.0221	0.5321	-0.2521	0.3021
517	19	19.7	0.9062	1.1223	0.8336	2.8622	-0.0426	0.5203	-0.2107	0.267
518	18.9	19.4	0.903	1.1282	0.8326	2.8638	-0.1466	0.6092	-0.1925	0.2702
519	19.3	19.2	0.8987	1.1317	0.8315	2.862	-0.1714	0.6104	-0.17	0.269
520	19.3	18.9	0.8978	1.134	0.8312	2.863	-0.1276	0.5273	-0.1767	0.223
521	17.8	18.8	0.8941	1.134	0.8326	2.8607	-0.1039	0.525	-0.2074	0.2137
522	18.2	18.5	0.8941	1.132	0.8327	2.8588	-0.0831	0.532	-0.2444	0.2046
523	18.3	18.4	0.8945	1.1274	0.8358	2.8577	0.0122	0.4059	-0.2315	0.1866
524	18.3	18.2	0.8893	1.1274	0.84	2.8568	0.0794	0.311	-0.1916	0.1988
525	17.3	18.1	0.8872	1.1322	0.8358	2.8552	0.0382	0.3454	-0.2016	0.1821
526	17.2	17.9	0.8867	1.1335	0.8329	2.8531	-0.0125	0.3698	-0.1734	0.184
527	17.8	17.7	0.887	1.1335	0.8319	2.8524	0.0134	0.3811	-0.1952	0.1993
528	17.4	17.6	0.8868	1.1332	0.8327	2.8526	0.0117	0.4082	-0.2002	0.2197
529	17.2	17.4	0.8894	1.1313	0.8348	2.8555	0.0626	0.3818	-0.2561	0.1883
530	18	17.2	0.8906	1.1312	0.8367	2.8585	0.2116	0.2208	-0.2567	0.1757
531	16.9	17.1	0.8903	1.1308	0.8383	2.8595	0.2896	0.146	-0.2647	0.1709
532	17.5	16.9	0.8893	1.1323	0.8405	2.8621	0.3353	0.0741	-0.251	0.1584
533	17.2	16.8	0.8884	1.1324	0.8411	2.8619	0.3457	0.0431	-0.2653	0.1235
534	17.2	16.6	0.8836	1.1361	0.8413	2.861	0.3517	0.0532	-0.2887	0.1163
535	16.4	16.5	0.8839	1.1352	0.8414	2.8605	0.3308	0.0495	-0.29	0.0902
536	16	16.4	0.8866	1.1326	0.842	2.8612	0.3882	0.0338	-0.3301	0.0919
537	16.5	16.3	0.8909	1.1298	0.8421	2.8628	0.3805	0.0302	-0.3491	0.0616
538	15.8	16.2	0.8911	1.1266	0.8433	2.8611	0.3362	0.0605	-0.3648	0.0319
539	15.6	16.1	0.8936	1.1202	0.8451	2.8589	0.3464	0.0615	-0.3796	0.0283
540	15.7	15.9	0.8977	1.1155	0.8447	2.8579	0.387	0.0575	-0.4025	0.0421
541	15.3	15.9	0.8971	1.1148	0.8446	2.8565	0.382	0.079	-0.4052	0.0558
542	15.4	15.7	0.897	1.1146	0.8454	2.857	0.3474	0.1057	-0.4071	0.046
543	15.7	15.6	0.8952	1.1166	0.8454	2.8571	0.2644	0.1929	-0.4096	0.0476
544	15	15.4	0.8992	1.1116	0.8465	2.8573	0.2622	0.2319	-0.4244	0.0696
545	15.2	15.3	0.9014	1.1058	0.8484	2.8556	0.302	0.1939	-0.4582	0.0378
546	16.3	15.2	0.9069	1.1015	0.8511	2.8594	0.3412	0.1774	-0.5089	0.0096

547	14.6	15.1	0.91	1.0962	0.8528	2.859	0.3971	0.135	-0.5428	-0.0107
548	15.4	15	0.9151	1.0895	0.8536	2.8582	0.5103	0.0466	-0.5542	0.0027
549	15.4	14.9	0.9241	1.0821	0.8539	2.8601	0.6031	-0.0204	-0.5692	0.0135
550	15.2	14.7	0.9326	1.0749	0.8532	2.8607	0.5693	-0.0497	-0.5699	-0.0503
551	15.2	14.7	0.9348	1.0736	0.8526	2.861	0.5531	-0.0544	-0.5554	-0.0567
552	14.7	14.6	0.9321	1.0768	0.853	2.8618	0.4818	0.0074	-0.5391	-0.05
553	14.1	14.5	0.9247	1.0852	0.8528	2.8627	0.3436	0.1568	-0.5352	-0.0347
554	14.5	14.5	0.9198	1.0898	0.8517	2.8612	0.2875	0.2391	-0.5709	-0.0443
555	13.7	14.5	0.923	1.086	0.853	2.8619	0.2889	0.2256	-0.5873	-0.0729
556	13.9	14.4	0.9251	1.0833	0.8541	2.8625	0.2153	0.2488	-0.5876	-0.1235
557	14	14.3	0.9213	1.0884	0.8532	2.8629	0.2519	0.1519	-0.5306	-0.1268
558	13.4	14.3	0.9207	1.0906	0.8518	2.8632	0.367	0.0701	-0.5303	-0.0932
559	13.2	14.2	0.9213	1.0868	0.8516	2.8597	0.4123	0.0144	-0.5293	-0.1026
560	13.7	14.1	0.9324	1.0759	0.8521	2.8604	0.4296	0.0035	-0.5091	-0.0759
561	14	14	0.9362	1.072	0.8527	2.8609	0.4171	0.025	-0.4935	-0.0514
562	14.2	13.9	0.9408	1.0669	0.8537	2.8615	0.4797	-0.0205	-0.4701	-0.0108
563	14.8	13.8	0.9443	1.0632	0.8556	2.8631	0.5043	-0.0125	-0.507	-0.0152
564	14.6	13.7	0.9434	1.0602	0.8607	2.8644	0.4637	0.063	-0.5057	0.0209
565	14.3	13.7	0.941	1.065	0.861	2.867	0.4612	0.0982	-0.5126	0.0467
566	14.2	13.7	0.94	1.0693	0.8585	2.8678	0.5161	0.0804	-0.5253	0.0712
567	14.4	13.7	0.9409	1.0713	0.8561	2.8683	0.5403	0.0754	-0.5414	0.0743
568	13.9	13.7	0.9384	1.0751	0.8555	2.869	0.5591	0.0717	-0.5619	0.0689
569	13.6	13.7	0.9364	1.0788	0.8549	2.8701	0.5656	0.1076	-0.5957	0.0775
570	12.7	13.8	0.9341	1.0803	0.8555	2.8699	0.5475	0.1238	-0.6169	0.0545
571	12.6	13.8	0.934	1.0799	0.856	2.8698	0.5823	0.1063	-0.6257	0.0629
572	12.7	13.8	0.9294	1.0836	0.8561	2.8691	0.6048	0.0431	-0.6138	0.0341
573	13.3	13.7	0.9218	1.0873	0.8573	2.8664	0.6439	-0.0108	-0.6163	0.0168
574	13.5	13.6	0.9213	1.0867	0.8578	2.8658	0.639	-0.038	-0.5896	0.0114
575	13.1	13.6	0.9226	1.0855	0.8585	2.8666	0.5274	0.0216	-0.5507	-0.0016
576	13.5	13.5	0.9187	1.0871	0.8599	2.8657	0.4786	0.0812	-0.5958	-0.0361
577	13.8	13.4	0.9174	1.084	0.8614	2.8628	0.4763	0.1133	-0.6271	-0.0375
578	14.3	13.4	0.9112	1.0859	0.8682	2.8653	0.4601	0.1509	-0.6501	-0.0391
579	14.5	13.4	0.8954	1.1011	0.868	2.8645	0.4541	0.145	-0.6422	-0.0431
580	14.3	13.4	0.8851	1.109	0.8677	2.8618	0.4763	0.1274	-0.6213	-0.0175
581	13.7	13.4	0.8765	1.1182	0.8676	2.8623	0.5311	0.1006	-0.6131	0.0187
582	13.3	13.4	0.8744	1.1208	0.8678	2.8631	0.5343	0.1047	-0.6084	0.0306
583	13.1	13.3	0.8692	1.1245	0.8679	2.8617	0.5252	0.129	-0.5942	0.06

584	13.2	13.2	0.8681	1.1268	0.8679	2.8627	0.5446	0.115	-0.5934	0.0662
585	12.9	13.2	0.8674	1.126	0.8681	2.8615	0.5264	0.1386	-0.6005	0.0646
586	13.4	13.1	0.8692	1.1259	0.8675	2.8626	0.5038	0.159	-0.6107	0.0521
587	13.2	13	0.8725	1.1239	0.867	2.8634	0.5176	0.1537	-0.6135	0.0578
588	13	12.9	0.8746	1.1209	0.8675	2.8631	0.5415	0.1473	-0.6234	0.0654
589	12.7	12.8	0.8774	1.1165	0.8687	2.8626	0.5846	0.0954	-0.6303	0.0497
590	13.1	12.6	0.8797	1.113	0.8697	2.8624	0.692	-0.0589	-0.6242	0.0088
591	12.5	12.6	0.8817	1.1097	0.872	2.8635	0.8064	-0.1529	-0.6197	0.0339
592	11.8	12.5	0.8874	1.1009	0.8739	2.8622	0.8512	-0.1955	-0.6175	0.0382
593	11.8	12.4	0.8855	1.1006	0.8748	2.8609	0.9198	-0.252	-0.6155	0.0524
594	11.8	12.4	0.881	1.1053	0.8755	2.8618	0.9386	-0.2868	-0.6227	0.0291
595	11.7	12.3	0.8762	1.1075	0.8775	2.8612	1.0637	-0.4144	-0.6107	0.0386
596	12	12.3	0.8694	1.1113	0.8789	2.8596	1.1459	-0.5305	-0.5934	0.022
597	12.7	12.2	0.8632	1.1154	0.8805	2.8591	1.226	-0.6031	-0.5712	0.0517
598	12.3	12.2	0.8603	1.1189	0.8813	2.8605	1.2639	-0.6519	-0.5626	0.0494
599	11.8	12.2	0.8614	1.1197	0.8813	2.8623	1.3357	-0.7216	-0.5629	0.0512
600	12	12.1	0.8619	1.1202	0.881	2.8631	1.4369	-0.8044	-0.572	0.0605
601	12.5	12.1	0.8654	1.1168	0.8802	2.8624	1.4802	-0.8349	-0.5815	0.0637
602	11.8	12.1	0.8741	1.1063	0.8801	2.8605	1.4206	-0.7711	-0.5924	0.057
603	12.4	12	0.8776	1.1013	0.8822	2.861	1.3264	-0.6554	-0.6007	0.0703
604	11.7	12	0.8759	1.1022	0.8832	2.8612	1.2132	-0.5338	-0.6068	0.0726
605	12.1	12	0.8784	1.1003	0.8833	2.862	1.1138	-0.4402	-0.6154	0.0583
606	12.4	12	0.8699	1.1087	0.8837	2.8623	1.1337	-0.4578	-0.6035	0.0723
607	12.4	12	0.8596	1.1174	0.8838	2.8609	1.1974	-0.5081	-0.6019	0.0874
608	12.1	11.9	0.8539	1.122	0.8834	2.8594	1.2261	-0.5162	-0.6191	0.0908
609	12	12	0.8539	1.1216	0.8831	2.8585	1.2691	-0.5395	-0.6358	0.0937
610	11.9	12	0.8605	1.1144	0.8826	2.8576	1.309	-0.6022	-0.6431	0.0636
611	11.4	11.9	0.8596	1.1134	0.8828	2.8558	1.4687	-0.741	-0.6447	0.083
612	11.2	11.9	0.8563	1.1156	0.8842	2.8562	1.5442	-0.7908	-0.6453	0.1081
613	11.7	11.8	0.8579	1.1119	0.8844	2.8543	1.5836	-0.8397	-0.6319	0.112
614	12.2	11.9	0.857	1.1113	0.8862	2.8546	1.6454	-0.9357	-0.5993	0.1105
615	11.8	11.8	0.8559	1.1113	0.8873	2.8544	1.659	-0.9765	-0.5499	0.1325
616	11.3	11.8	0.8545	1.1116	0.8879	2.854	1.6436	-0.9118	-0.5661	0.1657
617	12.1	11.7	0.8503	1.1152	0.8898	2.8553	1.6513	-0.8686	-0.5948	0.1879
618	12.3	11.7	0.8464	1.1174	0.8922	2.8561	1.6865	-0.8629	-0.6244	0.1992
619	11.8	11.6	0.844	1.1193	0.8932	2.8565	1.6917	-0.8706	-0.6312	0.1899
620	10.9	11.6	0.8396	1.1233	0.8938	2.8567	1.7044	-0.8574	-0.6407	0.2063

621	11.5	11.6	0.8337	1.1297	0.894	2.8573	1.6525	-0.8162	-0.6479	0.1884
622	11.9	11.6	0.8297	1.1331	0.8943	2.8571	1.6069	-0.7758	-0.6557	0.1754
623	12.2	11.6	0.8306	1.1312	0.8948	2.8566	1.5522	-0.7291	-0.6631	0.16
624	11.8	11.6	0.8366	1.1252	0.8951	2.8569	1.5001	-0.7354	-0.6543	0.1104
625	11.1	11.6	0.8393	1.1241	0.8954	2.8588	1.5003	-0.7455	-0.654	0.1007
626	11.7	11.6	0.8391	1.1221	0.8956	2.8568	1.511	-0.7535	-0.6526	0.1049
627	11.2	11.7	0.841	1.1184	0.8969	2.8563	1.4779	-0.7362	-0.6436	0.0981
628	11	11.7	0.8414	1.1187	0.8969	2.8569	1.4701	-0.7635	-0.638	0.0686
629	11.8	11.7	0.8418	1.1185	0.897	2.8573	1.4276	-0.7451	-0.5756	0.1068
630	11.1	11.7	0.8375	1.1211	0.898	2.8566	1.2892	-0.5992	-0.5821	0.1079
631	11.2	11.7	0.8369	1.1204	0.8991	2.8564	1.2057	-0.5374	-0.5882	0.0801
632	11.6	11.7	0.8368	1.1194	0.8999	2.8562	1.1302	-0.4516	-0.5904	0.0882
633	11.7	11.7	0.834	1.1209	0.9005	2.8553	1.1074	-0.4288	-0.586	0.0927
634	12	11.6	0.831	1.1222	0.9013	2.8545	1.0256	-0.3908	-0.5824	0.0525
635	12.3	11.6	0.8335	1.1193	0.9025	2.8553	0.9779	-0.3423	-0.5831	0.0524
636	12.6	11.6	0.8349	1.1172	0.9034	2.8554	0.9266	-0.3178	-0.5843	0.0246
637	12.4	11.6	0.8368	1.115	0.9044	2.8562	0.9455	-0.2978	-0.6009	0.0469
638	11.4	11.6	0.8327	1.1171	0.9063	2.8561	0.9886	-0.2851	-0.6113	0.0923
639	11.1	11.6	0.8244	1.1261	0.9075	2.858	1.0037	-0.3002	-0.6071	0.0964
640	12.2	11.7	0.8171	1.1308	0.9067	2.8545	1.0486	-0.3696	-0.5891	0.0899
641	11.6	11.7	0.812	1.1344	0.9064	2.8527	1.0812	-0.3848	-0.5795	0.1169
642	11.8	11.7	0.805	1.1398	0.907	2.8518	1.1075	-0.401	-0.5647	0.1419
643	10.8	11.7	0.8013	1.1452	0.9076	2.8542	1.1785	-0.4878	-0.5481	0.1426
644	10.8	11.6	0.7928	1.1531	0.9075	2.8534	1.1628	-0.4836	-0.549	0.1302
645	11.3	11.5	0.7868	1.1589	0.9077	2.8534	1.1252	-0.4307	-0.5559	0.1386
646	11.2	11.5	0.7843	1.1618	0.9083	2.8543	1.0965	-0.4227	-0.5446	0.1292
647	11.7	11.4	0.7836	1.1614	0.9091	2.854	1.0307	-0.4052	-0.5344	0.0911
648	11.9	11.4	0.7815	1.1617	0.9099	2.8531	0.9628	-0.3671	-0.5231	0.0727
649	11.6	11.4	0.7805	1.1625	0.9111	2.8541	0.9339	-0.3296	-0.5168	0.0876
650	11.9	11.4	0.7845	1.1584	0.9114	2.8544	0.9472	-0.3224	-0.5202	0.1046
651	11.4	11.3	0.7927	1.1507	0.9119	2.8553	0.9138	-0.2739	-0.529	0.1109
652	11.5	11.3	0.7994	1.1423	0.913	2.8548	0.9349	-0.2532	-0.5357	0.146
653	11	11.4	0.8034	1.1386	0.9135	2.8555	0.9558	-0.3159	-0.537	0.1029
654	11.1	11.4	0.8084	1.1338	0.9132	2.8554	0.9831	-0.3365	-0.5178	0.1288
655	11.3	11.4	0.8096	1.1317	0.9134	2.8547	0.9587	-0.3035	-0.5151	0.1401
656	11.4	11.4	0.8054	1.1341	0.9143	2.8538	0.9896	-0.3233	-0.5156	0.1507
657	11.3	11.3	0.7986	1.1401	0.9151	2.8539	0.918	-0.2657	-0.5184	0.1339

658	11.3	11.3	0.7938	1.1446	0.9154	2.8538	0.832	-0.2004	-0.5209	0.1108
659	11.3	11.3	0.7904	1.147	0.9159	2.8534	0.8047	-0.1742	-0.523	0.1076
660	11	11.3	0.7856	1.15	0.9166	2.8521	0.8308	-0.2018	-0.5265	0.1026
661	11.1	11.3	0.7818	1.1511	0.9172	2.8501	0.9168	-0.3017	-0.5285	0.0866
662	12	11.3	0.7825	1.1509	0.9169	2.8503	0.9071	-0.3295	-0.5243	0.0533
663	11.1	11.3	0.7797	1.1568	0.9155	2.852	0.8629	-0.3022	-0.5167	0.0439
664	11	11.3	0.7775	1.1578	0.9157	2.8511	0.8876	-0.339	-0.5138	0.0348
665	11.3	11.3	0.7766	1.1562	0.9176	2.8504	0.8887	-0.347	-0.4898	0.0519
666	11.2	11.2	0.7749	1.1562	0.918	2.849	0.9029	-0.341	-0.4915	0.0704
667	11.3	11.2	0.7723	1.1576	0.9185	2.8484	0.9118	-0.3496	-0.493	0.0692
668	11.7	11.2	0.7693	1.1621	0.9186	2.85	0.8822	-0.3256	-0.4837	0.0729
669	11.3	11.2	0.766	1.1646	0.919	2.8495	0.8563	-0.3153	-0.4676	0.0734
670	11.2	11.2	0.7689	1.1619	0.9203	2.8511	0.8428	-0.323	-0.4581	0.0617
671	11.2	11.2	0.7733	1.1574	0.9215	2.8522	0.8058	-0.2961	-0.4541	0.0556
672	11.3	11.2	0.7741	1.1566	0.9224	2.8531	0.708	-0.1823	-0.4666	0.0591
673	11.1	11.2	0.7718	1.1609	0.9228	2.8554	0.6049	-0.0611	-0.4854	0.0584
674	10.8	11.2	0.7713	1.1612	0.9232	2.8558	0.5451	0.0228	-0.4945	0.0735
675	10.8	11.2	0.7715	1.1609	0.9238	2.8561	0.5749	-0.0053	-0.4997	0.0698
676	11.7	11.2	0.7709	1.1607	0.9242	2.8559	0.5972	-0.0143	-0.4895	0.0934
677	11	11.2	0.7704	1.1604	0.9252	2.8559	0.5877	-0.0305	-0.4745	0.0827
678	10.9	11.1	0.7684	1.1605	0.9258	2.8546	0.5937	-0.0492	-0.4673	0.0771
679	10.9	11.1	0.7664	1.1611	0.9262	2.8537	0.5531	0.0103	-0.4699	0.0935
680	11.3	11.1	0.7645	1.1627	0.9265	2.8538	0.5468	0.0172	-0.4703	0.0937
681	11.1	11.1	0.7635	1.1633	0.9267	2.8535	0.5342	0.0351	-0.4558	0.1136
682	11.1	11.1	0.7637	1.1637	0.9264	2.8538	0.561	0.0116	-0.4426	0.1301
683	11.1	11.1	0.7667	1.1636	0.9262	2.8564	0.5882	-0.0226	-0.4385	0.1271
684	11.4	11	0.7703	1.161	0.9262	2.8575	0.5748	-0.0287	-0.4348	0.1113
685	11.2	11	0.7747	1.1578	0.9265	2.8591	0.5546	-0.0153	-0.4257	0.1136
686	10.8	11	0.7747	1.1557	0.9276	2.858	0.5895	-0.0584	-0.4109	0.1202
687	11.3	11	0.7736	1.1524	0.9281	2.8541	0.6074	-0.0826	-0.3975	0.1272
688	11.2	11	0.7743	1.1509	0.9282	2.8534	0.6187	-0.1041	-0.3819	0.1327
689	11.1	11	0.7725	1.1535	0.9276	2.8536	0.5724	-0.0888	-0.3573	0.1263
690	10.8	11	0.7715	1.1515	0.9276	2.8507	0.5141	-0.0074	-0.3408	0.1659
691	11	11	0.771	1.1498	0.9285	2.8493	0.4501	0.0438	-0.3468	0.1471
692	10.6	11	0.7696	1.1497	0.9287	2.8479	0.3966	0.089	-0.349	0.1367
693	10.4	11	0.7692	1.149	0.9297	2.8479	0.3152	0.1608	-0.3448	0.1312
694	10.6	10.9	0.7685	1.1483	0.9311	2.8479	0.2585	0.2271	-0.3387	0.1469

695	11.2	10.9	0.7666	1.1498	0.932	2.8483	0.1612	0.3087	-0.339	0.1309
696	10.9	11	0.7663	1.1518	0.9324	2.8505	0.1004	0.3685	-0.3404	0.1285
697	10.8	11	0.7669	1.1521	0.9328	2.8518	0.086	0.3981	-0.3395	0.1446
698	11.3	11	0.767	1.1518	0.933	2.8517	0.1091	0.4012	-0.3375	0.1727
699	11.4	10.9	0.7667	1.1519	0.9333	2.8519	0.0878	0.4138	-0.3284	0.1732
700	11.2	11	0.7706	1.1476	0.9339	2.852	0.0431	0.4493	-0.3143	0.1781
701	10.8	11	0.7719	1.1421	0.9338	2.8478	0.0784	0.4107	-0.317	0.1722
702	10.6	11	0.7785	1.1379	0.9338	2.8502	0.1637	0.3548	-0.3167	0.2018
703	10.7	11.1	0.7793	1.1349	0.934	2.8482	0.223	0.2715	-0.2997	0.1948
704	10.9	11.1	0.78	1.1325	0.9347	2.8472	0.2785	0.2148	-0.2947	0.1985
705	11.4	11.2	0.7794	1.1326	0.9349	2.847	0.3675	0.1438	-0.2918	0.2195
706	11.4	11.2	0.7781	1.1353	0.9355	2.8489	0.3826	0.1152	-0.2851	0.2126
707	11.1	11.2	0.7764	1.1375	0.9359	2.8498	0.3264	0.1568	-0.2848	0.1983
708	10.7	11.2	0.7735	1.1394	0.9357	2.8486	0.248	0.2236	-0.2781	0.1935
709	11	11.2	0.7708	1.1418	0.9357	2.8482	0.1994	0.2549	-0.276	0.1783
710	11.6	11.1	0.7689	1.1446	0.9354	2.8489	0.1686	0.2749	-0.2721	0.1714
711	11.3	11.1	0.7689	1.1464	0.9352	2.8505	0.1194	0.2859	-0.2685	0.1368
712	11.4	11.2	0.77	1.1459	0.9359	2.8518	0.0939	0.2745	-0.2679	0.1005
713	11.4	11.2	0.7692	1.1458	0.9358	2.8508	0.0864	0.2709	-0.2769	0.0803
714	11.9	11.2	0.7681	1.146	0.9352	2.8494	0.0392	0.3476	-0.3014	0.0854
715	11.1	11.2	0.7656	1.1454	0.9365	2.8474	0.0232	0.353	-0.3005	0.0757
716	11	11.2	0.7633	1.1466	0.9372	2.8471	0.0071	0.3189	-0.278	0.0481
717	11.2	11.2	0.7621	1.1477	0.9382	2.848	-0.0176	0.3337	-0.2774	0.0386
718	11.2	11.2	0.7608	1.149	0.9389	2.8487	-0.0512	0.3637	-0.2769	0.0356
719	10.6	11.2	0.7597	1.1516	0.939	2.8503	-0.0875	0.4206	-0.2867	0.0464
720	10.9	11.2	0.759	1.1529	0.9392	2.8512	-0.1089	0.4412	-0.2923	0.04
721	11.3	11.2	0.7628	1.1479	0.9406	2.8514	-0.0734	0.414	-0.285	0.0556
722	10.8	11.2	0.7692	1.1392	0.9428	2.8513	-0.0368	0.3718	-0.2752	0.0598
723	11.3	11.1	0.7761	1.1289	0.9442	2.8493	-0.0257	0.3582	-0.2676	0.065
724	11.5	11	0.7791	1.1258	0.945	2.8499	-0.0467	0.3934	-0.27	0.0767
725	11.1	11	0.7796	1.1256	0.9443	2.8495	-0.0216	0.3672	-0.2683	0.0772
726	11	11	0.7803	1.1252	0.943	2.8486	0.0097	0.3591	-0.2652	0.1036
727	11	11	0.7816	1.1233	0.9436	2.8486	0.0122	0.3452	-0.2519	0.1055
728	11	10.9	0.7861	1.1176	0.9439	2.8476	0.0087	0.3496	-0.2327	0.1256
729	11.3	10.9	0.7871	1.1168	0.944	2.8479	-0.0406	0.3691	-0.2231	0.1054
730	11.3	10.9	0.7841	1.1176	0.9436	2.8453	-0.1088	0.4196	-0.2225	0.0883
731	11.2	10.8	0.7808	1.1192	0.9434	2.8434	-0.1592	0.4679	-0.2304	0.0783

732	10.4	10.8	0.778	1.1217	0.9438	2.8434	-0.1645	0.4756	-0.2374	0.0736
733	10.3	10.7	0.7765	1.1237	0.9439	2.8441	-0.1594	0.4787	-0.2421	0.0772
734	10.5	10.7	0.7755	1.1237	0.9439	2.8431	-0.1218	0.4659	-0.2457	0.0985
735	10.6	10.7	0.7746	1.1251	0.9436	2.8432	-0.0778	0.4319	-0.2477	0.1064
736	10.9	10.7	0.7741	1.1255	0.9431	2.8427	-0.034	0.3961	-0.2446	0.1175
737	10.1	10.7	0.7749	1.1255	0.9426	2.843	-0.0166	0.3554	-0.2293	0.1096
738	10.7	10.7	0.7754	1.126	0.942	2.8435	-0.0171	0.275	-0.221	0.0369
739	9.99	10.7	0.773	1.1269	0.9416	2.8414	0.0074	0.2567	-0.2165	0.0476
740	10	10.6	0.772	1.1264	0.9413	2.8398	-0.0126	0.2814	-0.22	0.0488
741	10.2	10.6	0.7723	1.1255	0.9413	2.839	-0.0313	0.268	-0.2192	0.0174
742	10.5	10.6	0.7735	1.1237	0.9414	2.8387	-0.0406	0.2675	-0.2127	0.0141
743	11	10.5	0.7755	1.1225	0.9415	2.8395	-0.0563	0.2698	-0.2086	0.0049
744	10.7	10.5	0.7767	1.1222	0.9414	2.8404	-0.0617	0.2711	-0.1952	0.0142
745	10.8	10.5	0.7768	1.122	0.9417	2.8406	-0.0732	0.2768	-0.181	0.0226
746	11.6	10.4	0.7757	1.122	0.9422	2.8398	-0.0966	0.297	-0.1694	0.031
747	11	10.4	0.7727	1.1213	0.9428	2.8368	-0.1033	0.3176	-0.1599	0.0544
748	11	10.3	0.7727	1.1203	0.9427	2.8357	-0.0878	0.2909	-0.1453	0.0578
749	10.7	10.4	0.7761	1.1176	0.9425	2.8363	-0.1058	0.2887	-0.1373	0.0456
750	10.6	10.4	0.7767	1.1174	0.9431	2.8371	-0.1124	0.3044	-0.1331	0.0588
751	9.89	10.4	0.7764	1.1152	0.9436	2.8352	-0.0557	0.2504	-0.125	0.0696
752	9.58	10.4	0.7771	1.1152	0.943	2.8353	-0.0147	0.1662	-0.12	0.0316
753	9.72	10.3	0.7755	1.1171	0.9429	2.8356	0.0677	0.109	-0.1205	0.0561
754	10	10.3	0.7716	1.1194	0.9424	2.8334	0.1007	0.0686	-0.1105	0.0588
755	9.75	10.2	0.7713	1.1202	0.9419	2.8334	0.0972	0.0495	-0.1026	0.044
756	9.7	10.2	0.7728	1.1184	0.9428	2.834	0.0827	0.0582	-0.0979	0.043
757	9.67	10.1	0.7738	1.1177	0.943	2.8345	0.0661	0.0884	-0.0927	0.0618
758	10.2	10.1	0.7739	1.1191	0.943	2.836	0.0572	0.1029	-0.0947	0.0654
759	10.2	10.1	0.7736	1.1195	0.9431	2.8362	0.0453	0.1098	-0.0973	0.0579
760	10.6	10	0.7736	1.1214	0.9435	2.8385	0.0224	0.1171	-0.0909	0.0486
761	10.3	10	0.7724	1.1236	0.944	2.8401	0.011	0.1376	-0.091	0.0576
762	10.1	10.1	0.7739	1.1238	0.9446	2.8423	0.0021	0.1644	-0.0928	0.0738
763	10.1	10.1	0.7758	1.122	0.9456	2.8435	0.0178	0.1649	-0.0851	0.0976
764	9.87	10.1	0.7752	1.1225	0.9458	2.8435	0.0224	0.1689	-0.0879	0.1034
765	10.2	10.1	0.7759	1.1243	0.9454	2.8456	0.022	0.1334	-0.0874	0.0679
766	10.1	10.1	0.7766	1.1228	0.9457	2.8452	0.0151	0.0837	-0.0714	0.0274
767	10.3	10.1	0.7774	1.1212	0.9462	2.8449	-0.0132	0.0949	-0.065	0.0168
768	10.1	10.2	0.778	1.1201	0.9473	2.8454	-0.0339	0.1075	-0.0541	0.0195

769	9.88	10.1	0.7769	1.1204	0.9482	2.8455	-0.0576	0.1141	-0.0377	0.0188
770	9.72	10.1	0.7762	1.1205	0.9488	2.8455	-0.0732	0.1315	-0.0326	0.0257
771	10.5	10.1	0.777	1.1203	0.949	2.8462	-0.0841	0.1382	-0.0299	0.0242
772	9.99	10.1	0.7767	1.1207	0.9491	2.8466	-0.0608	0.0931	-0.0144	0.0179
773	10.4	10.1	0.7764	1.1215	0.9498	2.8477	-0.0063	0.012	0.0048	0.0104
774	9.92	10.1	0.7735	1.1245	0.9501	2.848	0.0172	-0.0585	0.0139	-0.0274
775	9.78	10	0.7705	1.1249	0.9503	2.8458	0.0143	-0.0575	0.0179	-0.0252
776	10.3	10	0.7697	1.1262	0.9494	2.8453	0.0083	-0.0417	0.013	-0.0204
777	10.6	10	0.7695	1.1254	0.9484	2.8434	-0.0135	-0.0355	0.0055	-0.0435
778	9.88	10	0.7725	1.1235	0.9481	2.8441	-0.0005	-0.043	0.0137	-0.0298
779	10.1	10	0.7773	1.1191	0.9484	2.8449	0.027	-0.0659	0.0213	-0.0176
780	10.4	10	0.7805	1.116	0.9496	2.846	0.0553	-0.0845	0.0307	0.0016
781	10.1	10	0.78	1.1158	0.9504	2.8461	0.069	-0.1137	0.0296	-0.0151
782	9.9	10	0.7796	1.1158	0.9506	2.8461	0.0641	-0.1091	0.0282	-0.0168
783	9.41	9.98	0.7788	1.117	0.9507	2.8466	0.0594	-0.113	0.0323	-0.0213
784	9.5	9.99	0.7781	1.1178	0.9509	2.8468	0.0481	-0.1124	0.0348	-0.0295
785	9.76	10	0.7781	1.1182	0.951	2.8473	0.042	-0.1387	0.0307	-0.0659
786	10	10	0.7763	1.1201	0.9506	2.847	0.0368	-0.1577	0.0272	-0.0937
787	9.94	9.99	0.7753	1.1249	0.9502	2.8504	0.0438	-0.1709	0.0242	-0.1029
788	10.1	9.98	0.7735	1.1253	0.9499	2.8487	0.0559	-0.172	0.0207	-0.0954
789	9.88	9.98	0.7738	1.1253	0.9496	2.8487	0.0539	-0.1396	0.0164	-0.0692
790	10.3	9.97	0.7747	1.1247	0.9496	2.8489	0.0211	-0.1228	0.0127	-0.0891
791	9.69	9.98	0.7751	1.1231	0.9498	2.8479	0.031	-0.1497	0.0187	-0.1001
792	9.97	9.99	0.7752	1.1227	0.9495	2.8474	0.0215	-0.1633	0.0222	-0.1197
793	10.1	10.1	0.7754	1.1218	0.9492	2.8464	-0.0032	-0.1641	0.0276	-0.1397
794	10.1	10.1	0.7758	1.1206	0.9492	2.8456	0.0139	-0.1708	0.0301	-0.1269
795	10.5	10.1	0.7762	1.1201	0.9489	2.8452	0.0437	-0.1937	0.0331	-0.1169
796	10.1	10.1	0.7767	1.1201	0.9483	2.8451	0.0511	-0.1974	0.0378	-0.1085
797	9.61	10.1	0.7757	1.123	0.9474	2.8461	0.0471	-0.2035	0.043	-0.1133
798	10.1	10.1	0.7775	1.123	0.9467	2.8472	0.0169	-0.2113	0.0491	-0.1454
799	10.3	10.2	0.7779	1.1215	0.9466	2.846	0.0063	-0.2145	0.0489	-0.1593
800	10.3	10.2	0.7761	1.1225	0.9464	2.8451	0.0387	-0.2288	0.0479	-0.1422
801	10	10.2	0.7734	1.1255	0.9458	2.8447	0.046	-0.217	0.0554	-0.1156
802	11.2	10.2	0.7717	1.127	0.9459	2.8446	0.0458	-0.2336	0.063	-0.1249
803	10.3	10.3	0.7692	1.1281	0.945	2.8423	0.0685	-0.2445	0.0546	-0.1213
804	9.88	10.2	0.7703	1.1276	0.945	2.8428	0.0674	-0.2434	0.0575	-0.1185
805	9.88	10.2	0.7712	1.1268	0.9447	2.8427	0.0029	-0.2215	0.0564	-0.1622

806	10.1	10.2	0.7715	1.1264	0.9448	2.8427	0.0013	-0.2323	0.056	-0.175
807	10.3	10.3	0.7707	1.1272	0.9454	2.8433	-0.0255	-0.2046	0.0622	-0.1679
808	10.9	10.2	0.7689	1.1284	0.9454	2.8428	-0.0586	-0.1801	0.0672	-0.1715
809	10.3	10.2	0.7685	1.13	0.9448	2.8434	-0.0771	-0.1253	0.0712	-0.1313
810	10.3	10.2	0.7678	1.1309	0.9445	2.8431	-0.0831	-0.1028	0.0725	-0.1134
811	10.4	10.2	0.7687	1.1299	0.9445	2.8431	-0.0711	-0.0616	0.0726	-0.0601
812	10.3	10.2	0.7683	1.1294	0.9444	2.842	-0.0736	-0.0377	0.0743	-0.0369
813	9.88	10.2	0.7669	1.129	0.9446	2.8405	-0.0649	-0.0322	0.0677	-0.0294
814	9.82	10.2	0.7659	1.1327	0.944	2.8426	-0.0281	-0.0791	0.0693	-0.038
815	10.8	10.2	0.7641	1.137	0.9436	2.8447	-0.0095	-0.1125	0.0691	-0.0529
816	9.93	10.2	0.7646	1.1371	0.9437	2.8454	0.023	-0.1359	0.0669	-0.046
817	9.72	10.2	0.7655	1.137	0.9436	2.846	0.0405	-0.1643	0.0771	-0.0467
818	10.2	10.2	0.7666	1.1376	0.9427	2.8468	0.0521	-0.1853	0.0872	-0.046
819	10.2	10.2	0.767	1.1385	0.9423	2.8478	0.0723	-0.1925	0.0998	-0.0204
820	10.2	10.2	0.7674	1.1391	0.9422	2.8487	0.0611	-0.1778	0.1051	-0.0117
821	10.1	10.2	0.7689	1.1386	0.9421	2.8496	0.0352	-0.144	0.1131	0.0043
822	10.2	10.2	0.7699	1.138	0.9423	2.8503	0.0009	-0.1201	0.1198	0.0005
823	10.6	10.2	0.7744	1.1348	0.9428	2.852	-0.0294	-0.0875	0.126	0.0091
824	9.8	10.2	0.7777	1.1315	0.9432	2.8525	-0.017	-0.0953	0.1405	0.0282
825	10.6	10.2	0.7788	1.1297	0.943	2.8515	-0.0336	-0.0631	0.1493	0.0526
826	9.92	10.2	0.7817	1.1287	0.9425	2.8529	-0.0693	-0.0435	0.1492	0.0364
827	9.94	10.3	0.7817	1.1276	0.9423	2.8515	-0.0964	-0.0191	0.1354	0.0199
828	10.6	10.3	0.7834	1.1242	0.9417	2.8493	-0.1007	-0.0217	0.1182	-0.0042
829	10	10.3	0.7816	1.1253	0.9409	2.8478	-0.0669	-0.0502	0.1147	-0.0024
830	10.6	10.4	0.7772	1.129	0.9406	2.8468	-0.0049	-0.0928	0.1129	0.0152
831	10.5	10.4	0.7744	1.1301	0.9406	2.8451	0.0443	-0.1564	0.1246	0.0125
832	10.5	10.4	0.7721	1.133	0.9406	2.8456	0.014	-0.1322	0.1344	0.0162
833	10.2	10.4	0.7717	1.135	0.9405	2.8471	-0.0331	-0.0746	0.1311	0.0234
834	10.5	10.4	0.7713	1.1376	0.9408	2.8497	-0.0528	-0.0356	0.1353	0.0469
835	10.2	10.4	0.7709	1.1409	0.9409	2.8526	-0.0754	-0.0072	0.1361	0.0535
836	10.3	10.4	0.7697	1.1425	0.9407	2.853	-0.0823	0.0116	0.1336	0.0629
837	10.2	10.4	0.7693	1.1427	0.9405	2.8525	-0.1204	0.0499	0.13	0.0595
838	11.1	10.4	0.7701	1.1399	0.9404	2.8504	-0.1409	0.1036	0.1299	0.0926
839	11.1	10.4	0.7709	1.1392	0.9403	2.8503	-0.1552	0.103	0.1299	0.0777
840	10.2	10.4	0.7689	1.1414	0.9395	2.8498	-0.1406	0.0789	0.1321	0.0704
841	10.7	10.4	0.7701	1.1418	0.9391	2.851	-0.1387	0.0672	0.1358	0.0643
842	10.6	10.4	0.7738	1.1401	0.9387	2.8526	-0.1146	0.0433	0.1346	0.0634

843	9.64	10.4	0.7741	1.1396	0.9385	2.8522	-0.0949	0.0259	0.1247	0.0557
844	10	10.4	0.7723	1.1416	0.9381	2.852	-0.0546	-0.0101	0.1159	0.0512
845	10.3	10.4	0.7717	1.1418	0.938	2.8514	-0.0186	-0.0581	0.1065	0.0298
846	10.2	10.4	0.7709	1.1423	0.9379	2.8511	0.0297	-0.0888	0.0983	0.0393
847	10.5	10.4	0.771	1.1424	0.9379	2.8513	0.0609	-0.1392	0.0932	0.0149
848	10.3	10.4	0.7721	1.1418	0.9378	2.8517	0.0754	-0.1488	0.0811	0.0077
849	10.4	10.3	0.7723	1.1405	0.9377	2.8505	0.1023	-0.1773	0.0781	0.0031
850	10.4	10.3	0.7721	1.1391	0.9375	2.8487	0.1261	-0.228	0.0847	-0.0172
851	10.5	10.3	0.7718	1.1386	0.9373	2.8476	0.115	-0.2292	0.093	-0.0213
852	10.4	10.3	0.7703	1.1396	0.9375	2.8475	0.0971	-0.2109	0.0961	-0.0177
853	10.2	10.4	0.7688	1.1415	0.9372	2.8475	0.0932	-0.2078	0.101	-0.0136
854	11	10.4	0.7713	1.1416	0.9367	2.8496	0.0782	-0.2051	0.0929	-0.034
855	10.2	10.4	0.7712	1.1434	0.9363	2.8509	0.0945	-0.2133	0.0956	-0.0231
856	10.5	10.4	0.7753	1.1389	0.9366	2.8507	0.1024	-0.2262	0.0972	-0.0267
857	10.4	10.4	0.7797	1.1357	0.9362	2.8516	0.1066	-0.2391	0.0998	-0.0327
858	10.3	10.4	0.7816	1.1316	0.9359	2.8491	0.0892	-0.2298	0.1078	-0.0327
859	9.94	10.3	0.7819	1.1298	0.9358	2.8476	0.0583	-0.1974	0.1083	-0.0309
860	10.2	10.3	0.7807	1.1275	0.9362	2.8445	0.0491	-0.1588	0.0996	-0.01
861	10.7	10.3	0.7798	1.1274	0.9366	2.8438	0.0387	-0.1552	0.0945	-0.022
862	10.4	10.3	0.7803	1.127	0.9379	2.8452	0.0436	-0.1622	0.0913	-0.0274
863	10.3	10.3	0.7786	1.13	0.9387	2.8473	0.0203	-0.1557	0.09	-0.0453
864	10.2	10.2	0.7762	1.1338	0.9389	2.8488	-0.0701	-0.1016	0.0895	-0.0821
865	10.2	10.2	0.7736	1.1379	0.9387	2.8502	-0.1433	-0.0096	0.0796	-0.0733
866	10.5	10.3	0.7726	1.1393	0.938	2.8498	-0.1793	0.0621	0.0719	-0.0453
867	10.1	10.3	0.7722	1.1397	0.9375	2.8495	-0.2088	0.0883	0.0738	-0.0467
868	9.48	10.3	0.7708	1.1393	0.9373	2.8474	-0.2181	0.0935	0.0799	-0.0447
869	9.74	10.3	0.7708	1.1382	0.9377	2.8467	-0.198	0.095	0.0782	-0.0247
870	10.2	10.3	0.7727	1.1349	0.9375	2.8451	-0.1878	0.1056	0.0753	-0.007
871	10.4	10.3	0.7769	1.1323	0.9371	2.8462	-0.1606	0.1236	0.0706	0.0336
872	9.93	10.3	0.7797	1.1295	0.9365	2.8457	-0.1208	0.1116	0.0678	0.0587
873	10.4	10.3	0.7781	1.131	0.9357	2.8449	-0.0841	0.0728	0.0746	0.0633
874	10.4	10.3	0.7768	1.1308	0.9352	2.8428	-0.0225	0.0242	0.0902	0.0918
875	11	10.3	0.7775	1.1293	0.9354	2.8421	0.0193	-0.0249	0.0958	0.0902
876	10.7	10.3	0.7793	1.1281	0.9359	2.8433	0.0496	-0.0615	0.0958	0.084
877	10.2	10.3	0.7796	1.1276	0.9366	2.8438	0.1058	-0.0894	0.0947	0.1111
878	10.7	10.4	0.7791	1.1286	0.9366	2.8443	0.1584	-0.1384	0.0895	0.1095
879	10.7	10.5	0.7778	1.1284	0.9371	2.8434	0.2546	-0.2386	0.0729	0.089

880	10.6	10.4	0.776	1.1316	0.9371	2.8447	0.2593	-0.2452	0.0696	0.0838
881	10.8	10.4	0.7786	1.129	0.937	2.8445	0.2304	-0.2238	0.0773	0.0839
882	9.67	10.4	0.7829	1.1233	0.9375	2.8438	0.212	-0.2269	0.0852	0.0703
883	9.92	10.4	0.7841	1.1205	0.9372	2.8419	0.1693	-0.1593	0.0857	0.0957
884	10.1	10.4	0.7856	1.1185	0.9373	2.8415	0.1417	-0.1228	0.0897	0.1086
885	10.5	10.4	0.7864	1.117	0.9376	2.841	0.136	-0.0927	0.097	0.1403
886	11	10.4	0.7884	1.1151	0.9375	2.8411	0.1249	-0.0679	0.0965	0.1535
887	11	10.3	0.7894	1.1146	0.9372	2.8412	0.1195	-0.0702	0.094	0.1432
888	10.4	10.3	0.789	1.115	0.9369	2.8409	0.1126	-0.0678	0.089	0.1338
889	10.2	10.2	0.7879	1.1174	0.9364	2.8417	0.1084	-0.0783	0.0813	0.1113
890	10	10.1	0.7886	1.118	0.936	2.8425	0.1285	-0.0853	0.0819	0.1252
891	10.1	10	0.7865	1.1188	0.9363	2.8416	0.1145	-0.0596	0.0746	0.1294
892	10.5	10	0.7847	1.1201	0.9371	2.8418	0.1321	-0.057	0.0671	0.1423
893	10.5	9.99	0.7808	1.1228	0.9376	2.8413	0.1794	-0.1009	0.0634	0.142
894	10.3	9.97	0.7777	1.1265	0.9386	2.8427	0.1894	-0.1382	0.0647	0.1159
895	10.2	9.91	0.7733	1.1289	0.9391	2.8413	0.1607	-0.1178	0.063	0.1058
896	9.38	9.82	0.7706	1.134	0.939	2.8436	0.1325	-0.0861	0.0593	0.1058
897	9.51	9.71	0.7682	1.1379	0.9393	2.8453	0.1065	-0.0577	0.0572	0.106
898	9.11	9.63	0.7673	1.1407	0.9389	2.8469	0.0648	-0.0258	0.0623	0.1013
899	9.15	9.6	0.7653	1.1443	0.9381	2.8477	0.0805	-0.029	0.0643	0.1158
900	9.11	9.6	0.7646	1.1454	0.9371	2.8472	0.0925	-0.0425	0.0611	0.1111
901	9.27	9.59	0.7637	1.1465	0.9362	2.8465	0.1069	-0.0922	0.0569	0.0715
902	9.62	9.58	0.7624	1.1478	0.9358	2.846	0.133	-0.137	0.0578	0.0538
903	9.64	9.56	0.7614	1.1486	0.9357	2.8457	0.1317	-0.149	0.067	0.0496
904	9.45	9.54	0.7608	1.1489	0.9354	2.8451	0.1298	-0.14	0.0703	0.0602
905	9.25	9.51	0.7609	1.1494	0.935	2.8453	0.154	-0.1501	0.0707	0.0745
906	8.8	9.54	0.7608	1.1503	0.9348	2.846	0.1519	-0.1456	0.0734	0.0798
907	8.98	9.55	0.7617	1.1502	0.9346	2.8465	0.1921	-0.1932	0.0791	0.078
908	9.5	9.59	0.7631	1.1482	0.9346	2.8459	0.2338	-0.2292	0.0776	0.0823
909	10	9.65	0.7636	1.1459	0.9348	2.8444	0.2505	-0.2721	0.0754	0.0538
910	9.89	9.69	0.7639	1.1464	0.9351	2.8453	0.2591	-0.2876	0.0826	0.0541
911	10.4	9.76	0.7643	1.1462	0.9354	2.8459	0.255	-0.3111	0.0908	0.0347
912	10.2	9.77	0.7662	1.1449	0.9354	2.8466	0.2253	-0.2873	0.0936	0.0316
913	9.81	9.82	0.7739	1.1391	0.9356	2.8487	0.2107	-0.2853	0.1059	0.0314
914	9.77	9.83	0.7803	1.1337	0.936	2.8499	0.1873	-0.2598	0.1181	0.0457
915	9.79	9.89	0.782	1.1308	0.9364	2.8492	0.1485	-0.2027	0.1239	0.0697
916	9.81	9.99	0.7855	1.1283	0.9363	2.85	0.0928	-0.1339	0.1243	0.0832

917	9.79	10.1	0.7873	1.1276	0.9356	2.8505	0.0823	-0.1103	0.118	0.09
918	10.3	10.1	0.7864	1.1281	0.9349	2.8493	0.0886	-0.0995	0.1181	0.1071
919	9.8	10.1	0.7858	1.1279	0.9348	2.8485	0.0759	-0.1029	0.1155	0.0885
920	10.6	10.1	0.7835	1.1267	0.9351	2.8454	0.0573	-0.0923	0.1172	0.0823
921	9.8	10.1	0.781	1.1275	0.9353	2.8438	0.0511	-0.1095	0.1173	0.0589
922	10.7	10.1	0.7783	1.1308	0.9349	2.8439	0.0724	-0.133	0.1176	0.0569
923	9.73	10	0.7766	1.1324	0.9338	2.8428	0.0905	-0.1572	0.1175	0.0508
924	10.2	10	0.7758	1.134	0.9337	2.8434	0.0807	-0.1354	0.1157	0.061
925	10.9	10	0.7738	1.1359	0.9334	2.8431	0.0409	-0.1161	0.1165	0.0413
926	10.4	9.99	0.7711	1.1377	0.933	2.8418	0.0314	-0.1105	0.118	0.0389
927	10.3	9.96	0.7659	1.1414	0.9333	2.8406	0.0491	-0.1216	0.1259	0.0533
928	9.91	9.9	0.7579	1.1481	0.9345	2.8404	0.0513	-0.1232	0.1325	0.0606
929	9.86	9.88	0.7557	1.1498	0.934	2.8394	0.0449	-0.1152	0.1316	0.0612
930	9.76	9.86	0.7541	1.1514	0.9329	2.8384	0.039	-0.1331	0.1321	0.038
931	9.77	9.89	0.7532	1.1528	0.9321	2.8381	0.0395	-0.1425	0.131	0.028
932	9.6	9.84	0.7551	1.1489	0.932	2.836	0.0653	-0.1864	0.1268	0.0058
933	9.82	9.85	0.7575	1.1473	0.9315	2.8362	0.1076	-0.2465	0.1316	-0.0073
934	9.3	9.84	0.7577	1.1469	0.9311	2.8357	0.1335	-0.2823	0.1283	-0.0205
935	9.26	9.78	0.7584	1.1477	0.9312	2.8373	0.1502	-0.2905	0.124	-0.0163
936	9.1	9.73	0.7578	1.1496	0.9313	2.8387	0.1148	-0.2681	0.1237	-0.0295
937	9.21	9.71	0.7581	1.1494	0.9316	2.8391	0.073	-0.2303	0.1206	-0.0367
938	9.51	9.7	0.7592	1.1478	0.9323	2.8392	0.0752	-0.2315	0.1195	-0.0368
939	10.2	9.72	0.758	1.1477	0.9321	2.8378	0.0741	-0.2459	0.1245	-0.0473
940	10.2	9.75	0.7575	1.1473	0.932	2.8369	0.0709	-0.2384	0.1233	-0.0442
941	9.84	9.73	0.7569	1.1475	0.9323	2.8368	0.0787	-0.2284	0.1165	-0.0332
942	9.93	9.75	0.7559	1.1502	0.9323	2.8384	0.0282	-0.1953	0.1194	-0.0476
943	10	9.75	0.7551	1.1534	0.932	2.8406	-0.0237	-0.1558	0.1299	-0.0495
944	9.65	9.78	0.7563	1.1534	0.9318	2.8415	-0.0771	-0.1241	0.1433	-0.058
945	9.44	9.8	0.7584	1.1504	0.932	2.8408	-0.1104	-0.0997	0.1582	-0.0519
946	9.96	9.83	0.7603	1.1481	0.9322	2.8406	-0.1274	-0.0935	0.1669	-0.0541
947	9.88	9.85	0.7645	1.145	0.9317	2.8412	-0.1207	-0.0701	0.1722	-0.0187
948	10.2	9.85	0.764	1.1447	0.9314	2.8401	-0.1429	-0.0525	0.1796	-0.0158
949	10.3	9.84	0.763	1.1447	0.9316	2.8394	-0.1294	-0.053	0.1726	-0.0098
950	9.44	9.81	0.7614	1.1483	0.9319	2.8415	-0.1496	-0.0189	0.1634	-0.0051
951	9.82	9.84	0.7585	1.1523	0.9315	2.8423	-0.2686	0.0706	0.1521	-0.0459
952	9.88	9.85	0.7571	1.1545	0.9308	2.8425	-0.3149	0.1222	0.1428	-0.0499
953	9.82	9.86	0.7558	1.1555	0.9301	2.8414	-0.3265	0.1421	0.1347	-0.0497

954	9.8	9.87	0.756	1.1566	0.9297	2.8422	-0.3416	0.1778	0.1377	-0.026
955	9.57	9.89	0.756	1.158	0.929	2.843	-0.3369	0.2026	0.1446	0.0102
956	9.51	9.89	0.7561	1.1582	0.9287	2.8429	-0.2958	0.1899	0.1452	0.0393
957	9.55	9.92	0.7563	1.1586	0.9285	2.8434	-0.2626	0.1738	0.1465	0.0577
958	10.1	9.91	0.7566	1.1588	0.9283	2.8437	-0.2284	0.1498	0.1456	0.0669
959	9.66	9.91	0.756	1.1586	0.9276	2.8422	-0.1879	0.0944	0.1461	0.0526
960	10.5	9.94	0.7552	1.1586	0.9271	2.841	-0.1422	0.036	0.1483	0.042
961	10.1	9.98	0.7573	1.1561	0.9272	2.8406	-0.1093	0.006	0.15	0.0467
962	10.2	10	0.7593	1.1555	0.9273	2.8421	-0.0946	-0.0133	0.1519	0.0441
963	9.88	10.1	0.7599	1.1559	0.9269	2.8427	-0.0571	-0.0391	0.1567	0.0605
964	9.65	10.1	0.7613	1.1541	0.9265	2.8419	0.0225	-0.0963	0.1594	0.0855
965	10.1	10.1	0.7643	1.1512	0.9263	2.8419	0.097	-0.1496	0.161	0.1084
966	10.5	10.2	0.7643	1.1503	0.9262	2.8408	0.1205	-0.2043	0.1649	0.081
967	10	10.2	0.7633	1.1497	0.9257	2.8387	0.1683	-0.252	0.169	0.0853
968	10.3	10.2	0.7632	1.1496	0.9258	2.8386	0.1811	-0.2519	0.1651	0.0944
969	10.1	10.2	0.765	1.1475	0.926	2.8385	0.1581	-0.2399	0.1562	0.0744
970	10.5	10.2	0.7676	1.1458	0.9258	2.8392	0.1392	-0.2225	0.1529	0.0696
971	11.1	10.2	0.7696	1.1456	0.9253	2.8405	0.0959	-0.2038	0.1466	0.0387
972	10.5	10.2	0.7706	1.1452	0.9248	2.8406	0.0762	-0.1934	0.141	0.0238
973	10.6	10.3	0.77	1.1446	0.9241	2.8388	0.0573	-0.1756	0.138	0.0197
974	10	10.3	0.7727	1.1424	0.9235	2.8386	0.0414	-0.1805	0.1311	-0.008
975	11	10.3	0.7743	1.1404	0.9236	2.8382	0.0308	-0.1823	0.1316	-0.0199
976	10.1	10.3	0.7744	1.1403	0.9233	2.838	0.0007	-0.1527	0.1284	-0.0236
977	10.1	10.3	0.7744	1.1399	0.9234	2.8377	-0.0298	-0.1408	0.1213	-0.0494
978	9.68	10.3	0.7747	1.1401	0.9235	2.8382	-0.0908	-0.1175	0.1304	-0.0779
979	9.85	10.3	0.7739	1.1417	0.9239	2.8395	-0.1991	-0.0447	0.1462	-0.0977
980	10.2	10.2	0.7721	1.1458	0.924	2.8419	-0.2289	-0.0324	0.1456	-0.1158
981	10.4	10.1	0.772	1.1477	0.9243	2.8439	-0.2785	-0.0004	0.139	-0.14
982	10.7	10.1	0.7722	1.148	0.9244	2.8445	-0.3272	0.047	0.1346	-0.1456
983	10.1	10.1	0.7708	1.1488	0.9244	2.8439	-0.3273	0.0225	0.1402	-0.1646
984	10.6	10.1	0.7706	1.1476	0.9249	2.8431	-0.3105	0.0214	0.1411	-0.148
985	10.1	10	0.7749	1.1438	0.9253	2.844	-0.2791	-0.0056	0.1431	-0.1416
986	10.1	10	0.7811	1.1382	0.9255	2.8447	-0.2327	-0.0252	0.1495	-0.1084
987	9.82	10	0.7819	1.1377	0.9253	2.8449	-0.2109	-0.008	0.1537	-0.0651
988	9.45	10.1	0.7816	1.1395	0.9244	2.8456	-0.2008	-0.0123	0.1615	-0.0517
989	9.64	10.1	0.7808	1.1413	0.9241	2.8461	-0.1943	-0.0447	0.1715	-0.0676
990	9.84	10.1	0.7807	1.1408	0.9243	2.8458	-0.1987	-0.0397	0.172	-0.0664

991	9.78	10.1	0.7837	1.1383	0.9244	2.8463	-0.201	-0.0353	0.174	-0.0624
992	10.2	10	0.7871	1.1357	0.9241	2.8468	-0.193	-0.0265	0.1746	-0.0449
993	10.1	10	0.7885	1.1353	0.9233	2.8471	-0.1847	-0.008	0.1761	-0.0166
994	10	9.99	0.7887	1.1364	0.9227	2.8479	-0.1803	0.0111	0.1752	0.006
995	10	9.96	0.786	1.1383	0.9224	2.8467	-0.1696	0.0218	0.1737	0.0259
996	10.1	9.94	0.7826	1.141	0.9218	2.8455	-0.1696	0.0123	0.1776	0.0203
997	10.3	9.93	0.7824	1.1431	0.9213	2.8469	-0.1906	0.0208	0.1773	0.0075
998	10.2	9.95	0.7802	1.146	0.9216	2.8479	-0.1616	0.0045	0.1658	0.0087
999	9.81	9.98	0.7803	1.1462	0.9218	2.8482	-0.1565	-0.0235	0.1604	-0.0196
1000	10.3	9.99	0.7915	1.1384	0.9219	2.8518	-0.1555	-0.0463	0.1572	-0.0446
1001	10.1	10	0.7952	1.1343	0.9219	2.8514	-0.1579	-0.0124	0.1423	-0.0279
1002	10.1	10	0.7951	1.1336	0.9223	2.851	-0.1682	0.032	0.1348	-0.0014
1003	9.77	9.99	0.7955	1.1308	0.922	2.8483	-0.1675	0.0425	0.1303	0.0053
1004	9.57	9.95	0.7945	1.1286	0.921	2.8441	-0.1619	0.0379	0.1287	0.0046
1005	9.68	9.93	0.7905	1.1304	0.9205	2.8414	-0.1669	0.0396	0.1358	0.0085
1006	9.57	9.91	0.7871	1.133	0.9202	2.8402	-0.1903	0.0859	0.1377	0.0333
1007	9.99	9.89	0.7846	1.1352	0.92	2.8398	-0.2386	0.1396	0.1359	0.0369
1008	10.1	9.88	0.7819	1.1387	0.92	2.8407	-0.3201	0.22	0.1298	0.0297
1009	10.1	9.93	0.7778	1.1423	0.92	2.8402	-0.3395	0.2425	0.1129	0.0159
1010	10.5	9.93	0.7748	1.1458	0.9201	2.8407	-0.3412	0.264	0.0965	0.0193
1011	9.86	9.92	0.7738	1.1475	0.9202	2.8415	-0.351	0.2906	0.0845	0.0242
1012	9.74	9.93	0.7719	1.1489	0.9197	2.8405	-0.3432	0.2844	0.0759	0.0172
1013	9.32	9.93	0.7717	1.1487	0.9197	2.8401	-0.3279	0.2897	0.0695	0.0312
1014	9.65	9.95	0.7706	1.1486	0.9199	2.8391	-0.3165	0.3009	0.0664	0.0507
1015	9.72	9.97	0.77	1.1512	0.9199	2.8411	-0.3149	0.2824	0.0703	0.0378
1016	9.91	10	0.7687	1.1535	0.9194	2.8415	-0.2951	0.2477	0.0701	0.0228
1017	10	10	0.7692	1.1528	0.9191	2.8411	-0.2898	0.2337	0.0718	0.0156
1018	10.7	10	0.7706	1.1521	0.9193	2.8419	-0.3134	0.2327	0.0709	-0.0098
1019	10.4	10.1	0.7719	1.1502	0.9195	2.8415	-0.3411	0.2494	0.0706	-0.021
1020	10	10.1	0.7739	1.1471	0.9205	2.8415	-0.322	0.2326	0.0705	-0.0189
1021	10.1	10.1	0.7734	1.1468	0.9212	2.8414	-0.2993	0.2167	0.0633	-0.0193
1022	9.91	10.1	0.7726	1.1483	0.9211	2.842	-0.3095	0.2481	0.0574	-0.004
1023	9.92	10.2	0.7725	1.1504	0.9207	2.8436	-0.3019	0.2444	0.0579	0.0004
1024	10.1	10.2	0.7727	1.1522	0.9205	2.8454	-0.3036	0.2171	0.0646	-0.0219
1025	10.7	10.3	0.7737	1.1511	0.9206	2.8455	-0.2362	0.1414	0.0664	-0.0284
1026	9.89	10.3	0.7741	1.1517	0.9209	2.8467	-0.173	0.0883	0.0655	-0.0192
1027	10.5	10.3	0.7749	1.1532	0.9203	2.8484	-0.17	0.0793	0.0648	-0.0259

1028	10.6	10.2	0.7778	1.1525	0.9198	2.8502	-0.2166	0.0829	0.074	-0.0598
1029	10.4	10.2	0.7785	1.153	0.9194	2.851	-0.2983	0.1254	0.0906	-0.0822
1030	10.6	10.2	0.782	1.1514	0.919	2.8524	-0.3376	0.1711	0.1106	-0.0559
1031	10.6	10.3	0.7859	1.1481	0.9186	2.8526	-0.4066	0.2509	0.1171	-0.0387
1032	10.6	10.3	0.7879	1.1466	0.918	2.8525	-0.5011	0.3286	0.1274	-0.0452
1033	9.97	10.3	0.7885	1.1451	0.9174	2.851	-0.6104	0.4105	0.1366	-0.0634
1034	10.3	10.3	0.7856	1.1474	0.9168	2.8499	-0.6736	0.4575	0.1412	-0.075
1035	10.3	10.3	0.7817	1.1502	0.9162	2.8481	-0.6984	0.4559	0.1526	-0.0899
1036	10.1	10.4	0.7789	1.1504	0.9159	2.8452	-0.6871	0.4281	0.1659	-0.0932
1037	9.8	10.4	0.7781	1.1507	0.9155	2.8443	-0.6188	0.3591	0.1718	-0.0878
1038	10.1	10.4	0.7787	1.1522	0.9151	2.846	-0.5881	0.3293	0.1718	-0.087
1039	9.94	10.3	0.7779	1.1517	0.9149	2.8445	-0.5972	0.3428	0.173	-0.0814
1040	10.7	10.3	0.7776	1.1509	0.9146	2.8431	-0.6213	0.3631	0.1801	-0.0781
1041	10.6	10.3	0.7762	1.1501	0.9149	2.8412	-0.5932	0.3399	0.1814	-0.072
1042	10	10.3	0.7743	1.151	0.9147	2.8401	-0.5736	0.3212	0.1815	-0.0709
1043	10.4	10.3	0.7732	1.1523	0.9145	2.84	-0.461	0.2606	0.1695	-0.0309
1044	10.8	10.3	0.7732	1.1512	0.9145	2.8389	-0.4376	0.2521	0.1582	-0.0272
1045	10.4	10.3	0.7754	1.1492	0.9143	2.8388	-0.3643	0.2275	0.1469	0.0101
1046	10.6	10.3	0.7794	1.146	0.9145	2.8398	-0.2557	0.1529	0.1246	0.0218
1047	10.4	10.3	0.7807	1.1445	0.9151	2.8403	-0.2331	0.1073	0.1141	-0.0117
1048	9.89	10.3	0.7797	1.147	0.9154	2.8421	-0.1802	0.091	0.1075	0.0183
1049	9.68	10.3	0.7786	1.1494	0.9159	2.8439	-0.2042	0.1209	0.1183	0.035
1050	10.2	10.2	0.7772	1.1495	0.9176	2.8443	-0.1885	0.1172	0.1189	0.0475
1051	10.9	10.2	0.7753	1.1491	0.918	2.8424	-0.0103	0.0023	0.109	0.1009
1052	10.5	10.1	0.7739	1.1503	0.9178	2.842	0.0515	-0.054	0.0987	0.0962
1053	10.1	10.1	0.772	1.1517	0.9173	2.841	0.0339	-0.0534	0.1018	0.0823
1054	10.6	10	0.7726	1.1526	0.9161	2.8413	-0.0302	-0.0454	0.104	0.0284
1055	10.7	10	0.775	1.1494	0.9152	2.8396	-0.0743	-0.0374	0.0964	-0.0153
1056	9.61	10	0.78	1.1442	0.9151	2.8392	-0.1319	0.0071	0.0916	-0.0332
1057	9.81	10	0.7883	1.1366	0.9155	2.8404	-0.1999	0.0486	0.0847	-0.0666
1058	9.56	10	0.7905	1.1346	0.917	2.8421	-0.2468	0.0906	0.0845	-0.0717
1059	9.33	10	0.7901	1.1322	0.9179	2.8402	-0.3569	0.1759	0.1053	-0.0757
1060	9.59	9.99	0.7903	1.1296	0.9187	2.8386	-0.4865	0.2708	0.125	-0.0907
1061	9.4	9.91	0.7916	1.1277	0.9196	2.8389	-0.4904	0.2981	0.1242	-0.068
1062	9.49	9.83	0.7921	1.1266	0.9203	2.839	-0.4816	0.3022	0.1209	-0.0586
1063	9.94	9.78	0.7915	1.1258	0.9203	2.8377	-0.5176	0.338	0.121	-0.0586
1064	10.2	9.72	0.7928	1.1258	0.9195	2.8381	-0.5229	0.3465	0.1246	-0.0518

1065	10.6	9.64	0.7938	1.1265	0.9193	2.8396	-0.5498	0.3559	0.1296	-0.0642
1066	10.3	9.65	0.7933	1.1269	0.919	2.8393	-0.5901	0.4086	0.1311	-0.0504
1067	9.45	9.65	0.7947	1.1264	0.9186	2.8397	-0.6043	0.4369	0.1245	-0.0428
1068	10.1	9.66	0.7973	1.1246	0.9187	2.8407	-0.5034	0.3617	0.1104	-0.0313
1069	9.77	9.7	0.7972	1.1242	0.9189	2.8403	-0.4116	0.2945	0.1	-0.0171
1070	9.29	9.71	0.7975	1.1242	0.9195	2.8412	-0.3195	0.2355	0.0851	0.0011
1071	8.98	9.76	0.8006	1.1208	0.9196	2.8409	-0.2203	0.1351	0.0779	-0.0073
1072	9.12	9.79	0.8008	1.1208	0.919	2.8405	-0.1672	0.1088	0.0767	0.0183
1073	9.44	9.8	0.8004	1.1229	0.9177	2.841	-0.1524	0.1011	0.0727	0.0214
1074	9.19	9.79	0.7963	1.1283	0.9169	2.8415	-0.1823	0.1293	0.0692	0.0162
1075	9.89	9.76	0.7916	1.1315	0.917	2.8401	-0.2373	0.1832	0.0767	0.0227
1076	9.75	9.76	0.7914	1.1323	0.9168	2.8406	-0.2935	0.2104	0.0876	0.0045
1077	9.7	9.83	0.7961	1.1316	0.916	2.8437	-0.2928	0.2207	0.0864	0.0143
1078	10.1	9.86	0.8045	1.1275	0.9144	2.8464	-0.3001	0.2517	0.0804	0.0319
1079	9.88	9.89	0.8077	1.1246	0.9129	2.8451	-0.2896	0.2589	0.081	0.0502
1080	10.3	9.96	0.8127	1.1208	0.9123	2.8458	-0.2958	0.2797	0.0771	0.0609
1081	10.1	10.1	0.8221	1.1148	0.9115	2.8485	-0.2685	0.2696	0.0759	0.0771
1082	10.1	10.1	0.8332	1.1069	0.9107	2.8508	-0.2297	0.2388	0.0722	0.0812
1083	9.89	10.2	0.8381	1.103	0.9103	2.8514	-0.207	0.2163	0.0709	0.0801
1084	10.1	10.3	0.8404	1.102	0.9097	2.8521	-0.2552	0.2223	0.0752	0.0423
1085	10.3	10.3	0.8436	1.101	0.9087	2.8533	-0.3219	0.2578	0.0803	0.0162
1086	10.8	10.3	0.8429	1.1023	0.9083	2.8535	-0.3599	0.2747	0.0841	-0.0011
1087	10.7	10.4	0.8407	1.1048	0.9081	2.8536	-0.3681	0.2411	0.089	-0.038
1088	10.2	10.4	0.8413	1.1053	0.9072	2.8538	-0.3674	0.2259	0.0902	-0.0513
1089	10.7	10.4	0.8429	1.105	0.906	2.8539	-0.359	0.2206	0.0958	-0.0426
1090	11	10.4	0.84	1.1068	0.9062	2.853	-0.3208	0.1678	0.0958	-0.0572
1091	10.5	10.5	0.841	1.1062	0.9062	2.8534	-0.2947	0.1381	0.0924	-0.0641
1092	10.8	10.5	0.8332	1.1096	0.9071	2.8499	-0.3201	0.127	0.0944	-0.0987
1093	10.5	10.5	0.8323	1.11	0.9075	2.8498	-0.3612	0.1424	0.0984	-0.1204
1094	10.2	10.5	0.8251	1.1137	0.908	2.8468	-0.4171	0.1875	0.1056	-0.124
1095	10.6	10.5	0.8116	1.123	0.91	2.8445	-0.4524	0.1974	0.1145	-0.1405
1096	11	10.5	0.806	1.1303	0.9104	2.8466	-0.4751	0.1968	0.1244	-0.1539
1097	10.3	10.4	0.8005	1.134	0.9105	2.845	-0.4356	0.158	0.1391	-0.1386
1098	10.1	10.5	0.8007	1.1339	0.9098	2.8444	-0.4164	0.1238	0.164	-0.1287
1099	10.3	10.4	0.7991	1.1345	0.9099	2.8435	-0.4676	0.1702	0.1736	-0.1238
1100	10.7	10.4	0.7925	1.1382	0.911	2.8417	-0.4382	0.1683	0.1789	-0.091
1101	10.6	10.4	0.79	1.1397	0.912	2.8418	-0.4605	0.1776	0.1959	-0.087

1102	9.88	10.3	0.7917	1.139	0.9121	2.8427	-0.541	0.2334	0.2023	-0.1052
1103	9.95	10.2	0.7986	1.1353	0.9116	2.8455	-0.6095	0.3049	0.1972	-0.1074
1104	10.6	10.2	0.8019	1.1324	0.9113	2.8456	-0.6438	0.3439	0.1875	-0.1124
1105	10.4	10.1	0.8037	1.1297	0.9113	2.8447	-0.6255	0.3538	0.1687	-0.103
1106	10.1	9.99	0.8071	1.1281	0.9117	2.8469	-0.5552	0.3027	0.1454	-0.1072
1107	10.8	9.95	0.8093	1.1261	0.9116	2.847	-0.4467	0.2113	0.1306	-0.1048
1108	10.1	9.89	0.8176	1.1212	0.9095	2.8482	-0.3246	0.1025	0.1294	-0.0927
1109	10.3	9.83	0.8265	1.1153	0.9075	2.8493	-0.279	0.0692	0.1404	-0.0695
1110	10.1	9.75	0.8239	1.116	0.9077	2.8475	-0.2671	0.0467	0.1437	-0.0768
1111	9.56	9.7	0.8219	1.1173	0.9081	2.8473	-0.2452	0.0223	0.1461	-0.0768
1112	9.01	9.71	0.8237	1.1151	0.9076	2.8464	-0.2377	0.0033	0.156	-0.0783
1113	8.9	9.69	0.824	1.1141	0.9072	2.8453	-0.2541	0.0063	0.1691	-0.0788
1114	8.78	9.66	0.8255	1.113	0.9069	2.8455	-0.2474	0.0032	0.1641	-0.0801
1115	9.39	9.62	0.829	1.1103	0.9068	2.8461	-0.2542	0.0061	0.1603	-0.0878
1116	9.48	9.6	0.8291	1.1098	0.9069	2.8458	-0.2543	0.0158	0.1639	-0.0746
1117	8.91	9.57	0.8195	1.1166	0.9081	2.8442	-0.2502	0.0204	0.1662	-0.0636
1118	9.16	9.58	0.8117	1.1226	0.9093	2.8436	-0.2523	0.0225	0.1693	-0.0605
1119	9.28	9.58	0.8038	1.1266	0.911	2.8414	-0.2639	0.031	0.1728	-0.06
1120	9.56	9.58	0.7959	1.1336	0.9127	2.8422	-0.2837	0.046	0.1742	-0.0634
1121	10.2	9.57	0.7901	1.1359	0.9135	2.8395	-0.2655	0.0368	0.1763	-0.0524
1122	9.47	9.61	0.7878	1.1382	0.9138	2.8398	-0.2232	-0.0209	0.1794	-0.0647
1123	10.1	9.66	0.7907	1.1375	0.9138	2.842	-0.2115	-0.0389	0.1773	-0.0731
1124	9.7	9.73	0.7964	1.1339	0.9128	2.8432	-0.1945	-0.0292	0.1623	-0.0614
1125	9.7	9.74	0.8031	1.1301	0.9118	2.845	-0.237	0.0242	0.1518	-0.061
1126	10.1	9.75	0.8034	1.1297	0.9123	2.8453	-0.2751	0.0478	0.1483	-0.0789
1127	10.3	9.77	0.8049	1.128	0.9122	2.8452	-0.2626	0.0503	0.1486	-0.0638
1128	10.2	9.8	0.8068	1.1267	0.9117	2.8452	-0.2318	0.0528	0.1447	-0.0342
1129	10.1	9.87	0.8081	1.1251	0.9117	2.8449	-0.1861	0.0329	0.1405	-0.0127
1130	9.36	9.89	0.8088	1.1245	0.9114	2.8447	-0.1346	-0.0182	0.1252	-0.0275
1131	9.92	9.87	0.8089	1.1242	0.9114	2.8445	-0.084	-0.059	0.1259	-0.0171
1132	9.81	9.9	0.8086	1.125	0.9109	2.8445	-0.0068	-0.1184	0.1192	-0.006
1133	10	9.9	0.8141	1.1229	0.9099	2.8468	0.0932	-0.1978	0.1112	0.0065
1134	9.65	9.95	0.8178	1.1217	0.9088	2.8482	0.1247	-0.2334	0.1112	0.0026
1135	9.64	9.97	0.8177	1.1227	0.9078	2.8482	0.1491	-0.2534	0.1085	0.0042
1136	9.38	9.96	0.8157	1.1263	0.907	2.849	0.1442	-0.2504	0.105	-0.0012
1137	9.63	9.92	0.8149	1.1281	0.9065	2.8494	0.0964	-0.2067	0.1097	-0.0006
1138	10.6	9.93	0.8146	1.1302	0.9055	2.8503	0.0795	-0.1802	0.109	0.0083

1139	10	9.91	0.81	1.1349	0.9053	2.8502	0.0798	-0.1683	0.0986	0.0101
1140	9.7	9.93	0.8071	1.1371	0.9054	2.8495	0.1363	-0.1953	0.0853	0.0263
1141	10.1	9.96	0.8082	1.1374	0.9054	2.8511	0.1407	-0.2129	0.0832	0.011
1142	10.1	9.96	0.8105	1.1368	0.9049	2.8521	0.2428	-0.2851	0.0739	0.0316
1143	10.5	9.96	0.8149	1.1336	0.9039	2.8524	0.2055	-0.2837	0.0791	0.0009
1144	10.2	9.95	0.8185	1.1314	0.903	2.8529	0.2896	-0.3391	0.0712	0.0217
1145	9.92	9.94	0.8229	1.1295	0.9018	2.8542	0.2788	-0.3535	0.065	-0.0097
1146	9.62	9.97	0.8229	1.1302	0.9005	2.8537	0.1647	-0.2744	0.0774	-0.0323
1147	10.3	9.99	0.8223	1.1322	0.8987	2.8532	0.1113	-0.197	0.0775	-0.0082
1148	9.8	9.96	0.8264	1.13	0.898	2.8544	0.0347	-0.1481	0.0849	-0.0286
1149	9.68	9.94	0.8224	1.1326	0.898	2.853	0.0456	-0.1598	0.0815	-0.0327
1150	10.5	9.94	0.8233	1.1317	0.898	2.853	0.0345	-0.1574	0.0823	-0.0406
1151	9.83	9.92	0.8294	1.1258	0.8978	2.8529	-0.0634	-0.1047	0.1	-0.0681
1152	10.1	9.92	0.8348	1.1198	0.8981	2.8527	-0.1154	-0.0682	0.1176	-0.0659
1153	9.54	9.91	0.8364	1.1173	0.8985	2.8522	-0.0427	-0.1203	0.1162	-0.0468
1154	9.52	9.94	0.8352	1.1172	0.8992	2.8516	0.0876	-0.1772	0.0946	0.005
1155	9.8	9.95	0.8306	1.1192	0.9006	2.8504	0.1471	-0.2236	0.0958	0.0193
1156	10.1	9.99	0.8246	1.1231	0.902	2.8497	0.1792	-0.2812	0.1034	0.0015
1157	10.1	9.96	0.8208	1.1264	0.9026	2.8497	0.1876	-0.2829	0.1088	0.0135
1158	9.64	9.95	0.8184	1.1277	0.903	2.8491	0.2669	-0.3377	0.1029	0.0321
1159	9.67	9.97	0.8168	1.1275	0.9036	2.8479	0.3539	-0.397	0.0816	0.0385
1160	9.76	9.95	0.8148	1.1274	0.904	2.8463	0.4025	-0.4388	0.0705	0.0343
1161	10.1	9.94	0.8154	1.1274	0.904	2.8467	0.3323	-0.3987	0.0776	0.0112
1162	10.3	9.92	0.8175	1.1259	0.9034	2.8468	0.33	-0.3837	0.0783	0.0247
1163	10.7	9.93	0.8163	1.1255	0.9039	2.8457	0.3837	-0.4284	0.0618	0.0171
1164	10.1	9.92	0.8182	1.1252	0.9034	2.8469	0.3469	-0.4108	0.0571	-0.0068
1165	10.4	9.91	0.8192	1.1249	0.9029	2.8471	0.3415	-0.4051	0.0595	-0.0042
1166	9.67	9.86	0.8183	1.1249	0.9024	2.8456	0.366	-0.4234	0.0652	0.0078
1167	9.56	9.82	0.8199	1.1242	0.9017	2.8458	0.3576	-0.4212	0.0635	-0.0001
1168	10.2	9.77	0.8237	1.1215	0.9014	2.8467	0.2299	-0.325	0.0715	-0.0236
1169	10	9.75	0.8256	1.1196	0.9015	2.8467	0.1417	-0.2556	0.0835	-0.0304
1170	9.62	9.72	0.8241	1.1205	0.9018	2.8464	0.0723	-0.2214	0.0995	-0.0495
1171	9.73	9.69	0.8229	1.1228	0.9016	2.8474	0.0058	-0.1726	0.117	-0.0498
1172	9.75	9.64	0.8219	1.1247	0.9012	2.8479	-0.1077	-0.1191	0.137	-0.0897
1173	9.32	9.57	0.8199	1.1258	0.9014	2.8471	-0.1768	-0.063	0.1508	-0.0889
1174	9.54	9.51	0.82	1.1259	0.9017	2.8476	-0.142	-0.0611	0.1505	-0.0526
1175	9.25	9.46	0.8191	1.1267	0.9022	2.848	-0.0696	-0.1072	0.1435	-0.0333

1176	9.12	9.45	0.8177	1.1273	0.902	2.847	-0.014	-0.141	0.1391	-0.0159
1177	8.8	9.45	0.8193	1.1263	0.9015	2.8471	-0.0378	-0.1301	0.1493	-0.0187
1178	9.29	9.45	0.8231	1.1242	0.9004	2.8477	-0.0317	-0.1394	0.1525	-0.0185
1179	9.19	9.41	0.8211	1.1264	0.9004	2.8479	0.0205	-0.1648	0.146	0.0017
1180	9.51	9.38	0.8212	1.1267	0.8997	2.8475	0.0939	-0.22	0.1381	0.0119
1181	9.37	9.37	0.8228	1.1266	0.8996	2.8491	0.1073	-0.2492	0.1341	-0.0079
1182	9.32	9.36	0.8239	1.1267	0.8996	2.8502	0.0619	-0.2402	0.1358	-0.0424
1183	9.01	9.36	0.8257	1.1264	0.8991	2.8512	0.051	-0.2001	0.1323	-0.0168
1184	9.43	9.37	0.8255	1.1273	0.8988	2.8517	0.0874	-0.1911	0.1199	0.0161
1185	9.47	9.39	0.8292	1.1261	0.8982	2.8534	0.0413	-0.1698	0.1308	0.0023
1186	9.66	9.41	0.8333	1.1229	0.8973	2.8536	-0.0008	-0.1418	0.1335	-0.009
1187	10	9.47	0.8328	1.1228	0.8972	2.8527	-0.0148	-0.0973	0.1245	0.0124
1188	9.28	9.52	0.8334	1.1221	0.8973	2.8527	0.0046	-0.0895	0.1107	0.0258
1189	9.17	9.55	0.8293	1.1245	0.8975	2.8513	0.0086	-0.0699	0.0999	0.0386
1190	9.42	9.56	0.8259	1.1281	0.8979	2.8519	0.0079	-0.05	0.0972	0.0551
1191	9.71	9.58	0.8168	1.1347	0.8988	2.8503	0.023	-0.0737	0.0965	0.0458
1192	9.23	9.58	0.8126	1.138	0.8992	2.8498	0.055	-0.0966	0.095	0.0533
1193	9.67	9.6	0.8033	1.144	0.9004	2.8477	0.0895	-0.1124	0.0809	0.058
1194	9.76	9.59	0.7973	1.149	0.9015	2.8478	0.1417	-0.1639	0.0746	0.0524
1195	9.44	9.58	0.7951	1.1504	0.9022	2.8477	0.2142	-0.1899	0.0507	0.0749
1196	9.98	9.58	0.7948	1.15	0.9027	2.8475	0.2676	-0.2283	0.0363	0.0756
1197	10.3	9.56	0.797	1.1488	0.9021	2.8479	0.3056	-0.2428	0.0288	0.0915
1198	9.78	9.56	0.7961	1.1499	0.9016	2.8476	0.308	-0.2501	0.0174	0.0754
1199	9.56	9.59	0.7957	1.1502	0.9017	2.8475	0.3382	-0.2653	0.0169	0.0898
1200	9.89	9.58	0.7989	1.1486	0.901	2.8485	0.2468	-0.1928	0.0248	0.0788
1201	9.27	9.59	0.8016	1.1465	0.9003	2.8484	0.2365	-0.1816	0.0357	0.0905
1202	9.4	9.61	0.796	1.151	0.9005	2.8474	0.3236	-0.2633	0.0269	0.0872
1203	9.16	9.61	0.7898	1.153	0.9021	2.845	0.407	-0.3474	0.0229	0.0825
1204	9.3	9.62	0.7872	1.1547	0.9017	2.8437	0.4256	-0.372	0.0283	0.0819
1205	9.61	9.63	0.7858	1.1578	0.901	2.8446	0.4521	-0.3859	0.033	0.0992
1206	9.67	9.58	0.7883	1.1564	0.9008	2.8455	0.4443	-0.4049	0.0406	0.08
1207	9.35	9.54	0.7826	1.1599	0.9013	2.8438	0.4302	-0.3991	0.0521	0.0832
1208	9.63	9.53	0.7822	1.1609	0.9013	2.8444	0.4453	-0.401	0.0535	0.0978
1209	9.41	9.51	0.7862	1.1591	0.9005	2.8458	0.4373	-0.4036	0.048	0.0817
1210	9.72	9.51	0.7906	1.1558	0.8999	2.8464	0.4758	-0.4562	0.047	0.0666
1211	9.72	9.52	0.7889	1.1556	0.9003	2.8448	0.5231	-0.4876	0.0454	0.0809
1212	9.74	9.51	0.7853	1.1579	0.9015	2.8447	0.5554	-0.516	0.0411	0.0805

1213	9.8	9.51	0.7893	1.1552	0.9015	2.846	0.6136	-0.566	0.036	0.0836
1214	9.74	9.51	0.7914	1.1535	0.901	2.8459	0.6173	-0.5755	0.0439	0.0857
1215	9.01	9.49	0.7924	1.1527	0.9003	2.8453	0.6498	-0.5889	0.0379	0.0988
1216	9.52	9.47	0.7934	1.1519	0.9006	2.8458	0.6619	-0.5967	0.0325	0.0977
1217	9.59	9.47	0.7965	1.1491	0.9009	2.8466	0.6226	-0.5682	0.0249	0.0793
1218	9.18	9.5	0.7976	1.1482	0.9009	2.8466	0.5976	-0.5247	0.021	0.0939
1219	9.92	9.54	0.7966	1.1487	0.901	2.8464	0.6025	-0.509	0.0152	0.1088
1220	9.42	9.56	0.7953	1.1509	0.901	2.8472	0.5867	-0.49	0.0099	0.1067
1221	9.24	9.57	0.8009	1.1478	0.8998	2.8485	0.5403	-0.4519	0.013	0.1014
1222	9.09	9.56	0.8055	1.1445	0.8987	2.8487	0.4971	-0.3949	0.0072	0.1094
1223	9.33	9.57	0.8049	1.1436	0.8987	2.8472	0.4744	-0.3664	0.0051	0.1131
1224	9.28	9.57	0.8034	1.1446	0.8985	2.8465	0.4554	-0.3573	0.0084	0.1065
1225	9.22	9.61	0.8045	1.1442	0.8979	2.8466	0.4654	-0.3669	0.0108	0.1094
1226	9.42	9.61	0.8072	1.1427	0.8973	2.8472	0.4452	-0.3481	0.0198	0.1169
1227	10.2	9.6	0.8081	1.142	0.897	2.8471	0.4167	-0.3273	0.0152	0.1046
1228	10.1	9.61	0.8047	1.1431	0.8971	2.845	0.4278	-0.3315	0.0064	0.1027
1229	10.1	9.58	0.7987	1.1471	0.8979	2.8437	0.4593	-0.353	-0.0058	0.1004
1230	9.95	9.58	0.7981	1.1494	0.898	2.8455	0.4001	-0.3244	-0.0014	0.0744
1231	9.57	9.59	0.8027	1.1482	0.8978	2.8487	0.3144	-0.292	0.0067	0.0291
1232	9.84	9.6	0.8034	1.145	0.8976	2.8461	0.2736	-0.2651	0.0216	0.0302
1233	9.85	9.61	0.8053	1.142	0.8979	2.8452	0.2786	-0.2599	0.0245	0.0432
1234	9.82	9.64	0.8137	1.1386	0.8957	2.848	0.3139	-0.2883	0.0249	0.0505
1235	9.45	9.68	0.8177	1.1369	0.8945	2.8491	0.3154	-0.2842	0.0255	0.0567
1236	9.37	9.7	0.8172	1.136	0.8946	2.8478	0.4273	-0.314	0.0029	0.1163
1237	9.41	9.68	0.8144	1.137	0.8954	2.8469	0.494	-0.3649	-0.0235	0.1057
1238	9.37	9.69	0.8137	1.1372	0.8956	2.8464	0.4812	-0.3686	-0.0261	0.0865
1239	9.44	9.68	0.8092	1.1399	0.8956	2.8447	0.4344	-0.3526	-0.013	0.0689
1240	9.3	9.65	0.8048	1.1444	0.8957	2.8449	0.3806	-0.3325	-0.0036	0.0446
1241	9.27	9.63	0.8027	1.1471	0.8959	2.8458	0.32	-0.298	0.0208	0.0428
1242	9.66	9.61	0.8015	1.148	0.8968	2.8463	0.2373	-0.2568	0.0408	0.0212
1243	9.73	9.59	0.8007	1.15	0.8965	2.8471	0.184	-0.2232	0.0601	0.021
1244	10	9.56	0.797	1.1504	0.8979	2.8454	0.0788	-0.1519	0.0787	0.0055
1245	9.69	9.55	0.7961	1.1523	0.8982	2.8466	0.0249	-0.099	0.0884	0.0143
1246	9.85	9.56	0.7924	1.1545	0.8977	2.8445	-0.0207	-0.0655	0.1005	0.0144
1247	10.4	9.58	0.7915	1.1572	0.8969	2.8456	-0.0442	-0.0522	0.1157	0.0193
1248	9.91	9.59	0.7926	1.1565	0.8963	2.8455	-0.0259	-0.056	0.1167	0.0348
1249	9.28	9.62	0.7977	1.1518	0.8955	2.8451	-0.0201	-0.0501	0.1109	0.0407

1250	9.2	9.64	0.7996	1.1499	0.8945	2.844	-0.0742	-0.0074	0.1157	0.0342
1251	9.46	9.65	0.797	1.1521	0.8951	2.8442	-0.0544	-0.0084	0.1102	0.0473
1252	9.53	9.66	0.7941	1.1546	0.8958	2.8445	-0.0235	-0.0237	0.1038	0.0565
1253	9.29	9.67	0.7938	1.1545	0.8957	2.844	-0.0775	0.033	0.1029	0.0584
1254	9.29	9.7	0.79	1.1558	0.8959	2.8417	-0.1096	0.039	0.104	0.0333
1255	9.49	9.71	0.7861	1.1596	0.8966	2.8424	-0.1226	0.0533	0.0994	0.0301
1256	9.86	9.71	0.7816	1.163	0.8968	2.8414	-0.1116	0.0653	0.0916	0.0453
1257	9.45	9.68	0.7763	1.1665	0.8972	2.8399	-0.0739	0.0544	0.0888	0.0692
1258	10	9.7	0.7747	1.168	0.8982	2.8409	-0.1043	0.0822	0.0905	0.0683
1259	9.67	9.73	0.7692	1.1731	0.8989	2.8412	-0.1268	0.0998	0.0915	0.0645
1260	9.61	9.73	0.7625	1.1761	0.8995	2.8382	-0.1212	0.1093	0.0803	0.0684
1261	9.82	9.72	0.7598	1.1789	0.8999	2.8387	-0.0906	0.0888	0.0637	0.0619
1262	9.93	9.7	0.7561	1.1825	0.8998	2.8385	-0.1279	0.0884	0.0595	0.0199
1263	10.6	9.7	0.7546	1.1831	0.8995	2.8371	-0.2284	0.1501	0.0841	0.0059
1264	9.92	9.75	0.7533	1.1841	0.8996	2.837	-0.2351	0.1471	0.0995	0.0115
1265	9.91	9.76	0.7531	1.1846	0.8997	2.8373	-0.1987	0.0974	0.1042	0.003
1266	9.81	9.74	0.7561	1.1817	0.8999	2.8377	-0.1573	0.0646	0.1015	0.0088
1267	10.2	9.76	0.7602	1.1767	0.8996	2.8364	-0.1426	0.0563	0.1057	0.0194
1268	9.86	9.74	0.7634	1.1724	0.8999	2.8358	-0.0593	0.0074	0.093	0.041
1269	9.26	9.74	0.7669	1.1686	0.9005	2.836	-0.0012	-0.0445	0.0917	0.046
1270	9.19	9.74	0.77	1.1657	0.9005	2.8362	0.0444	-0.0724	0.0873	0.0593
1271	9.12	9.74	0.7732	1.1623	0.9009	2.8364	0.0398	-0.0543	0.0787	0.0641
1272	9.31	9.72	0.7745	1.1613	0.9007	2.8365	0.144	-0.0969	0.0565	0.1036
1273	10.2	9.69	0.7743	1.1615	0.9006	2.8365	0.2248	-0.1551	0.0439	0.1136
1274	9.84	9.69	0.7735	1.1625	0.9006	2.8366	0.2437	-0.1847	0.0512	0.1101
1275	9.44	9.66	0.7746	1.1615	0.9002	2.8364	0.2381	-0.1881	0.0609	0.1109
1276	9.71	9.65	0.776	1.16	0.9005	2.8365	0.2662	-0.213	0.0684	0.1216
1277	9.67	9.62	0.7765	1.1595	0.9009	2.8368	0.3261	-0.2613	0.0676	0.1324
1278	9.65	9.63	0.7772	1.1596	0.9009	2.8377	0.3745	-0.3028	0.0626	0.1344
1279	9.69	9.65	0.7811	1.1588	0.9005	2.8405	0.3858	-0.3174	0.061	0.1294
1280	9.78	9.67	0.7897	1.1559	0.899	2.8446	0.3578	-0.3028	0.0705	0.1255
1281	9.63	9.68	0.7954	1.1531	0.8975	2.846	0.393	-0.2977	0.072	0.1674
1282	9.89	9.73	0.796	1.1527	0.8972	2.8459	0.4563	-0.3374	0.0649	0.1838
1283	9.94	9.73	0.7943	1.1552	0.8966	2.8461	0.488	-0.3906	0.0588	0.1562
1284	9.45	9.73	0.794	1.1558	0.8963	2.846	0.5147	-0.4288	0.0513	0.1371
1285	9.61	9.78	0.7864	1.1575	0.8979	2.8418	0.6035	-0.4757	0.0267	0.1546
1286	9.53	9.81	0.7839	1.1594	0.8997	2.843	0.65	-0.5111	0.0123	0.1512

1287	10	9.85	0.7846	1.1597	0.8998	2.8441	0.6382	-0.523	0.0115	0.1267
1288	9.73	9.88	0.7899	1.1574	0.8986	2.8459	0.5925	-0.5067	0.0197	0.1054
1289	9.59	9.89	0.7912	1.1577	0.8979	2.8468	0.5526	-0.4773	0.0225	0.0978
1290	9.3	9.89	0.7939	1.1579	0.8958	2.8476	0.471	-0.4031	0.0219	0.0898
1291	10.1	9.91	0.793	1.1604	0.8947	2.8481	0.392	-0.3182	0.0205	0.0944
1292	10.2	9.94	0.7942	1.1603	0.8932	2.8477	0.3441	-0.2621	0.0182	0.1002
1293	9.95	9.91	0.7955	1.1592	0.8925	2.8471	0.2793	-0.2221	0.0257	0.0829
1294	10.3	9.92	0.7948	1.1589	0.8927	2.8464	0.25	-0.1854	0.0236	0.0882
1295	10.4	9.91	0.7972	1.157	0.8922	2.8463	0.2193	-0.1884	0.0419	0.0728
1296	10.3	9.92	0.7992	1.1552	0.8911	2.8455	0.2028	-0.1743	0.0505	0.0791
1297	10.3	9.93	0.7996	1.1545	0.8904	2.8444	0.1546	-0.1447	0.0477	0.0575
1298	9.81	9.92	0.7981	1.1549	0.8905	2.8436	0.1084	-0.0906	0.0436	0.0614
1299	9.81	9.93	0.8031	1.1509	0.8901	2.8441	0.0326	-0.0331	0.0394	0.0389
1300	9.92	9.98	0.8043	1.1495	0.89	2.8438	0.0104	-0.0176	0.0269	0.0196
1301	10.5	9.98	0.8039	1.1489	0.8899	2.8428	-0.0556	0.0351	0.0212	0.0007
1302	9.44	9.96	0.8037	1.1477	0.8902	2.8416	-0.1896	0.1366	0.0403	-0.0127
1303	9.53	9.98	0.8008	1.1492	0.8917	2.8416	-0.2623	0.1791	0.061	-0.0221
1304	9.53	9.96	0.7995	1.1494	0.8918	2.8407	-0.2902	0.189	0.0629	-0.0383
1305	9.76	9.95	0.7969	1.1513	0.8918	2.8401	-0.3505	0.2132	0.0727	-0.0645
1306	10.1	9.93	0.7957	1.151	0.8919	2.8386	-0.4369	0.2665	0.0988	-0.0716
1307	9.57	9.88	0.793	1.1517	0.8923	2.837	-0.5589	0.3164	0.1158	-0.1267
1308	9.87	9.88	0.7949	1.1509	0.8922	2.8379	-0.6665	0.3917	0.1382	-0.1366
1309	10.1	9.82	0.7984	1.1482	0.8924	2.839	-0.6952	0.4212	0.1529	-0.1211
1310	10.1	9.77	0.7997	1.1469	0.8935	2.8402	-0.74	0.4577	0.158	-0.1243
1311	9.91	9.71	0.8017	1.1468	0.8943	2.8428	-0.7941	0.479	0.1651	-0.1501
1312	10.3	9.7	0.8082	1.1429	0.893	2.8441	-0.8278	0.5057	0.1741	-0.148
1313	9.91	9.71	0.8128	1.1405	0.8916	2.8448	-0.8603	0.5279	0.1788	-0.1536
1314	10.3	9.73	0.8113	1.1438	0.8906	2.8456	-0.8639	0.5232	0.1841	-0.1566
1315	10	9.74	0.8081	1.1462	0.8901	2.8444	-0.9098	0.5425	0.1938	-0.1735
1316	9.27	9.71	0.8076	1.1463	0.89	2.8439	-0.9187	0.5609	0.195	-0.1629
1317	9.88	9.71	0.8024	1.1484	0.8916	2.8424	-0.8704	0.5243	0.196	-0.1501
1318	8.66	9.69	0.7977	1.1526	0.8917	2.842	-0.8067	0.4567	0.1918	-0.1582
1319	8.99	9.64	0.7921	1.156	0.8923	2.8404	-0.7697	0.4233	0.1946	-0.1517
1320	9.4	9.6	0.7914	1.1563	0.8931	2.8408	-0.721	0.3903	0.204	-0.1267
1321	9.23	9.55	0.7865	1.1575	0.8942	2.8382	-0.66	0.3475	0.211	-0.1016
1322	9.64	9.48	0.783	1.16	0.8943	2.8374	-0.6253	0.3051	0.2163	-0.1039
1323	9.99	9.43	0.7806	1.1621	0.8936	2.8362	-0.6172	0.2935	0.2127	-0.111

1324	9.81	9.37	0.7796	1.1634	0.8924	2.8354	-0.6058	0.2871	0.2084	-0.1103
1325	9.55	9.33	0.7779	1.1655	0.8911	2.8344	-0.6242	0.2998	0.2089	-0.1155
1326	9.69	9.32	0.7746	1.1688	0.8906	2.8339	-0.6167	0.2907	0.2001	-0.1259
1327	9.46	9.29	0.7707	1.1722	0.8907	2.8336	-0.5801	0.2548	0.1997	-0.1257
1328	9.06	9.31	0.7662	1.1749	0.891	2.8321	-0.533	0.2198	0.1901	-0.1231
1329	9.35	9.32	0.763	1.1773	0.8908	2.8311	-0.4783	0.1918	0.1754	-0.1112
1330	9	9.3	0.7588	1.1791	0.8908	2.8287	-0.4162	0.1671	0.1655	-0.0837
1331	9.01	9.31	0.7571	1.182	0.8913	2.8304	-0.31	0.1304	0.1477	-0.0319
1332	8.87	9.29	0.7546	1.1841	0.8918	2.8305	-0.2716	0.1129	0.1342	-0.0245
1333	9.19	9.25	0.7538	1.1849	0.8927	2.8315	-0.2821	0.1189	0.1335	-0.0297
1334	9.11	9.21	0.7533	1.1862	0.893	2.8326	-0.2949	0.1442	0.1295	-0.0212
1335	9.09	9.21	0.7527	1.188	0.8933	2.834	-0.3025	0.151	0.1275	-0.024
1336	9.31	9.17	0.7534	1.1883	0.8934	2.8351	-0.3473	0.1501	0.141	-0.0562
1337	9.08	9.16	0.7552	1.1877	0.8934	2.8363	-0.3577	0.1501	0.1595	-0.0482
1338	9.23	9.17	0.7584	1.1849	0.8933	2.8366	-0.3505	0.1473	0.1645	-0.0388
1339	9.06	9.19	0.7621	1.1802	0.8934	2.8357	-0.3377	0.1388	0.1613	-0.0376
1340	9.31	9.21	0.7656	1.1763	0.8937	2.8355	-0.3099	0.1319	0.1556	-0.0225
1341	9.32	9.23	0.7683	1.1733	0.8941	2.8358	-0.2324	0.1034	0.1306	0.0016
1342	9.21	9.25	0.7736	1.1702	0.8942	2.838	-0.2259	0.1239	0.1167	0.0148
1343	9.02	9.27	0.7757	1.1685	0.8941	2.8383	-0.2121	0.1173	0.1075	0.0127
1344	9.54	9.28	0.7751	1.1693	0.8938	2.8382	-0.1658	0.0876	0.0959	0.0176
1345	9.02	9.29	0.7758	1.1697	0.8931	2.8387	-0.1574	0.0788	0.0867	0.0082
1346	9.23	9.29	0.7769	1.169	0.8929	2.8388	-0.1197	0.0544	0.0734	0.0081
1347	9.36	9.31	0.7807	1.1662	0.8926	2.8395	-0.0976	0.0449	0.0574	0.0047
1348	9.57	9.32	0.7894	1.1598	0.8924	2.8416	-0.0987	0.0415	0.0501	-0.0071
1349	9.52	9.32	0.7967	1.1536	0.8928	2.8431	-0.1241	0.0618	0.0515	-0.0108
1350	9.28	9.34	0.8052	1.1464	0.8923	2.8439	-0.0822	0.0423	0.0416	0.0017
1351	9.27	9.37	0.816	1.1384	0.891	2.8455	-0.0616	0.0252	0.038	0.0016
1352	9.67	9.42	0.8203	1.1366	0.8897	2.8467	-0.0879	0.0281	0.0432	-0.0166
1353	9.26	9.48	0.8228	1.1356	0.8894	2.8478	-0.1034	0.0183	0.0488	-0.0363
1354	9.18	9.54	0.825	1.1345	0.8886	2.8482	-0.1604	0.05	0.071	-0.0393
1355	9.41	9.57	0.8298	1.133	0.8867	2.8495	-0.2107	0.0665	0.0793	-0.0649
1356	9.38	9.6	0.8375	1.1314	0.8852	2.8541	-0.2569	0.0958	0.0844	-0.0767
1357	9.42	9.64	0.8429	1.1273	0.8834	2.8536	-0.2842	0.0901	0.0916	-0.1025
1358	9.18	9.67	0.8442	1.1259	0.8829	2.853	-0.294	0.0857	0.087	-0.1213
1359	9.51	9.68	0.8432	1.1274	0.8831	2.8537	-0.2631	0.0753	0.0816	-0.1063
1360	10	9.73	0.8419	1.1282	0.883	2.8532	-0.2224	0.0506	0.0821	-0.0897

1361	10	9.76	0.8426	1.1284	0.8825	2.8535	-0.2059	0.0459	0.0884	-0.0716
1362	10.3	9.77	0.8421	1.1298	0.8819	2.8538	-0.1406	0.0225	0.0948	-0.0233
1363	10.6	9.84	0.8409	1.1308	0.8811	2.8528	-0.0293	-0.0567	0.0818	-0.0042
1364	9.65	9.88	0.8442	1.1298	0.8803	2.8543	0.0699	-0.1294	0.0682	0.0087
1365	9.77	9.95	0.8449	1.1285	0.8802	2.8536	0.0589	-0.1052	0.061	0.0146
1366	10.1	9.99	0.8431	1.1293	0.8803	2.8527	0.0236	-0.0636	0.0558	0.0158
1367	10.1	10	0.8408	1.131	0.8804	2.8522	0.0569	-0.0669	0.04	0.03
1368	9.87	10.1	0.8404	1.1301	0.8804	2.851	0.0066	-0.0484	0.0501	0.0083
1369	10.2	10.1	0.839	1.1296	0.8801	2.8487	-0.1096	0.0195	0.0626	-0.0275
1370	9.93	10.1	0.836	1.1309	0.8794	2.8464	-0.1791	0.0489	0.0814	-0.0487
1371	9.82	10	0.8357	1.1318	0.8793	2.8468	-0.1729	0.0315	0.0928	-0.0486
1372	10.5	10.1	0.8362	1.132	0.8795	2.8476	-0.162	-0.002	0.1001	-0.0639
1373	10	10	0.8349	1.1328	0.8798	2.8475	-0.182	0.0097	0.1003	-0.072
1374	10.7	10	0.8359	1.1326	0.8797	2.8482	-0.2298	0.0397	0.0991	-0.091
1375	10.2	10	0.8363	1.1325	0.8802	2.849	-0.2855	0.0831	0.0984	-0.104
1376	9.89	10	0.834	1.1346	0.8805	2.8491	-0.3553	0.1309	0.0933	-0.131
1377	9.92	9.96	0.8298	1.1375	0.8819	2.8492	-0.4476	0.1997	0.1014	-0.1465
1378	9.99	9.93	0.825	1.1404	0.8834	2.8488	-0.5152	0.2465	0.1146	-0.1541
1379	9.49	9.87	0.8227	1.1421	0.8839	2.8488	-0.5541	0.2566	0.1261	-0.1715
1380	9.93	9.81	0.8207	1.1428	0.8843	2.8478	-0.6243	0.2861	0.135	-0.2032
1381	10.5	9.76	0.8226	1.1419	0.884	2.8485	-0.7003	0.3352	0.1473	-0.2178
1382	9.98	9.67	0.8242	1.1408	0.8838	2.8488	-0.7175	0.3551	0.155	-0.2074
1383	9.38	9.6	0.8238	1.1408	0.8837	2.8482	-0.6774	0.3383	0.1516	-0.1874
1384	10	9.52	0.8242	1.1407	0.8835	2.8484	-0.6698	0.3313	0.1577	-0.1808
1385	9.86	9.5	0.8212	1.1424	0.8838	2.8474	-0.6661	0.3311	0.1642	-0.1709
1386	9.22	9.5	0.8197	1.1444	0.8837	2.8478	-0.6654	0.3351	0.1708	-0.1595
1387	9.22	9.52	0.8197	1.1449	0.8834	2.848	-0.6387	0.3161	0.1707	-0.1519
1388	9.1	9.51	0.8237	1.1435	0.8825	2.8496	-0.5839	0.2963	0.1653	-0.1223
1389	8.77	9.5	0.8222	1.1446	0.8823	2.849	-0.5596	0.2665	0.1693	-0.1239
1390	8.85	9.5	0.8172	1.1476	0.8827	2.8475	-0.5198	0.2279	0.1709	-0.121
1391	8.75	9.46	0.8156	1.148	0.8831	2.8467	-0.4186	0.1649	0.151	-0.1027
1392	8.73	9.45	0.8154	1.1486	0.8824	2.8464	-0.3197	0.0889	0.1335	-0.0973
1393	9.15	9.49	0.8121	1.1504	0.8829	2.8454	-0.2417	0.04	0.1289	-0.0728
1394	9.73	9.48	0.8105	1.1511	0.884	2.8456	-0.1804	-0.0052	0.1204	-0.0652
1395	9.92	9.49	0.8091	1.1515	0.8848	2.8455	-0.1639	-0.0068	0.1138	-0.0569
1396	10.2	9.48	0.809	1.1507	0.8853	2.8451	-0.1486	-0.0013	0.1066	-0.0433
1397	9.8	9.49	0.8094	1.1503	0.8854	2.8451	-0.1173	-0.0174	0.1031	-0.0317

1398	9.41	9.48	0.8105	1.1487	0.8854	2.8446	-0.0942	-0.0472	0.1008	-0.0406
1399	9.91	9.48	0.8113	1.1467	0.8859	2.8439	-0.0083	-0.1065	0.0945	-0.0203
1400	9.7	9.5	0.8105	1.1469	0.8862	2.8436	0.0522	-0.1442	0.096	0.004
1401	9.72	9.53	0.8127	1.1461	0.8856	2.8444	0.1504	-0.2189	0.0867	0.0182
1402	10.2	9.58	0.814	1.1459	0.8853	2.8452	0.3106	-0.3304	0.0667	0.047
1403	9.76	9.59	0.8168	1.1442	0.8846	2.8455	0.3897	-0.4015	0.055	0.0432
1404	10	9.58	0.8206	1.1428	0.8839	2.8472	0.4536	-0.4495	0.0569	0.061
1405	9.01	9.57	0.8226	1.1417	0.8834	2.8477	0.4871	-0.4778	0.0588	0.0682
1406	9.42	9.53	0.8241	1.1419	0.8828	2.8488	0.55	-0.5157	0.0478	0.0822
1407	8.95	9.53	0.8224	1.1431	0.8836	2.8491	0.6365	-0.5543	0.0395	0.1217
1408	8.78	9.52	0.8212	1.1434	0.884	2.8485	0.7023	-0.6067	0.0246	0.1203
1409	9.17	9.5	0.8206	1.1431	0.8842	2.848	0.7284	-0.6277	0.017	0.1176
1410	9.44	9.48	0.8203	1.1424	0.8847	2.8473	0.7416	-0.6384	0.0202	0.1234
1411	9.57	9.46	0.8158	1.1445	0.8848	2.8452	0.73	-0.6318	0.0253	0.1235
1412	9.46	9.45	0.8111	1.1485	0.8849	2.8445	0.7491	-0.642	0.0228	0.1299
1413	9.52	9.43	0.8058	1.1534	0.8848	2.844	0.7666	-0.6582	0.0163	0.1247
1414	9.68	9.4	0.8054	1.1543	0.8845	2.8442	0.767	-0.6588	0.0057	0.1139
1415	9.44	9.4	0.8057	1.1526	0.8846	2.8429	0.8049	-0.6665	-0.0015	0.137
1416	9.78	9.38	0.8019	1.153	0.886	2.8409	0.811	-0.6789	-0.0017	0.1303
1417	9.36	9.38	0.8018	1.1532	0.8866	2.8416	0.801	-0.6802	0.0026	0.1234
1418	9.49	9.4	0.8086	1.1507	0.8855	2.8448	0.7848	-0.6664	0.0038	0.1221
1419	9.28	9.39	0.8101	1.1511	0.8842	2.8453	0.7873	-0.6776	0.0025	0.1122
1420	9.39	9.38	0.8087	1.1532	0.8838	2.8457	0.7737	-0.6769	-0.0015	0.0953
1421	9.98	9.4	0.8027	1.1577	0.8842	2.8445	0.7397	-0.6571	-0.0093	0.0734
1422	9.35	9.37	0.8012	1.1591	0.8843	2.8446	0.7055	-0.6234	-0.0048	0.0774
1423	9.54	9.34	0.8035	1.1581	0.8837	2.8453	0.6763	-0.5939	0.0021	0.0844
1424	9.04	9.33	0.8081	1.1551	0.8826	2.8458	0.6306	-0.5507	0.0048	0.0848
1425	8.98	9.33	0.8134	1.1524	0.8818	2.8475	0.6064	-0.5144	0.0041	0.096
1426	8.89	9.3	0.8193	1.1488	0.8804	2.8486	0.5037	-0.4607	0.0128	0.0558
1427	9.15	9.32	0.8222	1.1476	0.8793	2.849	0.4434	-0.3883	0.0151	0.0702
1428	9.01	9.33	0.8216	1.1492	0.8784	2.8492	0.3653	-0.3288	0.0356	0.0722
1429	9.22	9.33	0.8254	1.1487	0.8773	2.8515	0.3184	-0.2912	0.0509	0.0781
1430	9.99	9.34	0.8288	1.1456	0.8761	2.8505	0.2853	-0.2659	0.0543	0.0737
1431	8.86	9.34	0.8288	1.1465	0.8758	2.8511	0.2798	-0.261	0.0516	0.0704
1432	9.09	9.38	0.8224	1.1503	0.8766	2.8493	0.3246	-0.2784	0.0425	0.0888
1433	9.47	9.43	0.8208	1.1518	0.877	2.8496	0.3512	-0.2889	0.04	0.1022
1434	9.33	9.52	0.8199	1.1531	0.8766	2.8497	0.36	-0.2882	0.0414	0.1132

1435	9.24	9.56	0.8193	1.1545	0.8762	2.8499	0.3801	-0.2914	0.0373	0.1259
1436	9.71	9.62	0.8172	1.1567	0.8764	2.8503	0.3709	-0.2819	0.0351	0.1242
1437	9.86	9.69	0.8136	1.1581	0.8769	2.8485	0.3743	-0.2827	0.0303	0.1219
1438	9.23	9.72	0.8144	1.1582	0.8764	2.849	0.3833	-0.2874	0.0187	0.1145
1439	9.45	9.75	0.8141	1.1574	0.8763	2.8478	0.3877	-0.2683	-0.0007	0.1187
1440	10.1	9.77	0.8074	1.1598	0.8786	2.8458	0.3158	-0.2273	0.0006	0.0891
1441	10.1	9.82	0.8003	1.1644	0.8808	2.8455	0.2332	-0.1741	0.0142	0.0733
1442	10.5	9.87	0.7977	1.1662	0.8813	2.8453	0.1673	-0.1345	0.0221	0.0548
1443	10.6	9.9	0.7937	1.169	0.8821	2.8448	0.1091	-0.1019	0.021	0.0282
1444	9.84	9.95	0.7915	1.17	0.8824	2.8438	0.0292	-0.054	0.0316	0.0068
1445	10	9.99	0.7907	1.1699	0.8825	2.843	-0.0184	-0.0266	0.0526	0.0075
1446	10.4	9.98	0.7886	1.1707	0.8826	2.8419	-0.0444	-0.0128	0.0615	0.0043
1447	9.66	9.97	0.7901	1.1709	0.8825	2.8436	-0.016	-0.0507	0.065	-0.0018
1448	9.8	10	0.7902	1.1705	0.8829	2.8436	0.0491	-0.1021	0.0578	0.0047
1449	10.4	10	0.7915	1.168	0.8832	2.8427	0.1226	-0.1664	0.0562	0.0124
1450	9.67	10	0.7901	1.1683	0.8837	2.8421	0.1745	-0.2314	0.0653	0.0084
1451	10.1	10	0.7849	1.1715	0.8844	2.8408	0.2068	-0.2648	0.0702	0.0122
1452	10	9.96	0.7814	1.1768	0.8842	2.8423	0.2599	-0.2962	0.0634	0.027
1453	10.4	9.93	0.7775	1.1805	0.8837	2.8417	0.3022	-0.325	0.0593	0.0365
1454	9.91	9.93	0.7763	1.1823	0.8828	2.8414	0.3349	-0.3636	0.0603	0.0317
1455	9.48	9.89	0.7748	1.1846	0.8819	2.8413	0.3796	-0.3929	0.0597	0.0463
1456	9.73	9.83	0.7739	1.1868	0.8813	2.8419	0.4145	-0.4193	0.0562	0.0513
1457	10.1	9.83	0.7727	1.188	0.8809	2.8416	0.4141	-0.4019	0.0447	0.0568
1458	9.83	9.81	0.7714	1.1887	0.8812	2.8413	0.3694	-0.3569	0.0508	0.0634
1459	10.1	9.75	0.7691	1.1912	0.8811	2.8413	0.3419	-0.3233	0.049	0.0676
1460	9.5	9.75	0.7689	1.1914	0.8805	2.8408	0.2779	-0.2857	0.0537	0.0459
1461	9.74	9.76	0.7677	1.1926	0.8802	2.8405	0.2132	-0.262	0.069	0.0202
1462	9.94	9.75	0.7655	1.1956	0.8803	2.8414	0.0927	-0.1982	0.0856	-0.0199
1463	9.9	9.75	0.7642	1.1966	0.8805	2.8414	-0.0236	-0.1222	0.0978	-0.048
1464	9.15	9.79	0.7637	1.1965	0.8804	2.8406	-0.1078	-0.0665	0.1064	-0.0679
1465	9.35	9.83	0.7638	1.1964	0.8803	2.8406	-0.1423	-0.0541	0.1153	-0.0812
1466	9.58	9.82	0.763	1.1973	0.88	2.8404	-0.1471	-0.0745	0.1228	-0.0988
1467	9.5	9.86	0.7623	1.1976	0.88	2.84	-0.1832	-0.0754	0.1407	-0.1179
1468	9.25	9.87	0.7617	1.1979	0.8802	2.8398	-0.1776	-0.0824	0.1441	-0.1159
1469	9.68	9.85	0.7616	1.1973	0.8802	2.8392	-0.1146	-0.1002	0.1357	-0.079
1470	10.2	9.87	0.7621	1.1966	0.8804	2.8391	-0.1372	-0.0638	0.1266	-0.0744
1471	9.99	9.91	0.7652	1.1942	0.8798	2.8391	-0.1446	-0.0459	0.1234	-0.0671

1472	10.2	9.89	0.7686	1.1913	0.8793	2.8392	-0.1916	-0.0008	0.1261	-0.0663
1473	10.7	9.9	0.7718	1.1879	0.8793	2.839	-0.1995	0.0132	0.1239	-0.0624
1474	10.2	9.93	0.7753	1.184	0.8793	2.8386	-0.1738	0.0024	0.1176	-0.0538
1475	9.7	9.93	0.7859	1.1785	0.8789	2.8434	-0.1428	-0.02	0.1131	-0.0497
1476	10.7	9.93	0.7897	1.1734	0.879	2.8421	-0.0603	-0.0667	0.1007	-0.0263
1477	10.1	9.91	0.7933	1.1704	0.8783	2.8419	0.0298	-0.1236	0.0815	-0.0122
1478	9.7	9.92	0.7932	1.1695	0.8783	2.841	0.0462	-0.1287	0.0678	-0.0148
1479	9.97	9.92	0.7942	1.1687	0.8785	2.8415	-0.0048	-0.0805	0.0624	-0.0229
1480	10.5	9.89	0.7927	1.1689	0.8791	2.8407	0.0072	-0.0628	0.056	0.0004
1481	9.54	9.87	0.7901	1.1697	0.8798	2.8396	0.0215	-0.0887	0.0503	-0.017
1482	9.92	9.82	0.7891	1.1697	0.8798	2.8386	-0.021	-0.0321	0.0578	0.0047
1483	9.77	9.8	0.7878	1.1696	0.8795	2.8369	-0.1834	0.0611	0.0849	-0.0373
1484	9.44	9.79	0.7862	1.1698	0.8798	2.8358	-0.2398	0.1181	0.0886	-0.0331
1485	9.45	9.79	0.7841	1.1706	0.8803	2.835	-0.2486	0.1305	0.0734	-0.0446
1486	9.25	9.7	0.7822	1.1727	0.8807	2.8356	-0.2012	0.1079	0.0584	-0.0349
1487	9.39	9.67	0.7814	1.1737	0.8815	2.8365	-0.1847	0.1198	0.0501	-0.0147
1488	9.67	9.68	0.7849	1.1703	0.8825	2.8377	-0.1887	0.1276	0.0461	-0.0151
1489	9.7	9.66	0.7906	1.1673	0.8822	2.8401	-0.1797	0.1301	0.0391	-0.0105
1490	9.58	9.59	0.7939	1.165	0.8813	2.8402	-0.2035	0.1385	0.0392	-0.0258
1491	9.29	9.59	0.7989	1.1614	0.8809	2.8412	-0.2912	0.1731	0.0651	-0.053
1492	10.2	9.58	0.8045	1.1588	0.8803	2.8436	-0.3399	0.1931	0.0924	-0.0544
1493	10.1	9.59	0.8091	1.1558	0.8798	2.8447	-0.3118	0.1638	0.0988	-0.0492
1494	9.69	9.61	0.8123	1.1537	0.8788	2.8448	-0.333	0.1599	0.1144	-0.0587
1495	9	9.66	0.8136	1.1528	0.8787	2.8451	-0.3593	0.1488	0.1333	-0.0772
1496	9.51	9.68	0.8106	1.1558	0.8789	2.8452	-0.3557	0.1258	0.1397	-0.0902
1497	9.91	9.69	0.8045	1.1605	0.8796	2.8447	-0.3821	0.1294	0.1444	-0.1083
1498	9.49	9.7	0.7983	1.1653	0.8798	2.8434	-0.325	0.1217	0.1309	-0.0724
1499	9.3	9.69	0.7938	1.1698	0.8794	2.8431	-0.2749	0.0929	0.1202	-0.0618
1500	9.48	9.68	0.7898	1.1734	0.8792	2.8424	-0.2574	0.0548	0.1244	-0.0782
1501	9.72	9.69	0.7867	1.1757	0.8793	2.8417	-0.2702	0.0527	0.1391	-0.0784
1502	10.1	9.67	0.7838	1.1784	0.8794	2.8416	-0.3448	0.0883	0.1513	-0.1052
1503	9.67	9.63	0.7833	1.1805	0.8786	2.8424	-0.3581	0.1291	0.1454	-0.0836
1504	10.6	9.61	0.7826	1.1821	0.8779	2.8426	-0.3487	0.1362	0.1352	-0.0774
1505	9.58	9.63	0.7812	1.1837	0.8777	2.8426	-0.3268	0.1339	0.1176	-0.0753
1506	9.53	9.63	0.7827	1.1821	0.8783	2.8432	-0.3602	0.1565	0.1142	-0.0896
1507	9.78	9.61	0.7855	1.1788	0.8785	2.8428	-0.4372	0.2126	0.1209	-0.1037
1508	9.55	9.61	0.787	1.1757	0.8791	2.8418	-0.4594	0.2386	0.1184	-0.1024

1509	9.41	9.65	0.7928	1.1717	0.8788	2.8434	-0.4564	0.2531	0.114	-0.0893
1510	9.58	9.66	0.799	1.1686	0.8778	2.8453	-0.4939	0.303	0.1168	-0.0741
1511	9.7	9.67	0.8065	1.1644	0.8763	2.8472	-0.5355	0.3351	0.1206	-0.0798
1512	9.39	9.62	0.8134	1.1608	0.8751	2.8493	-0.5745	0.3694	0.1211	-0.084
1513	9.28	9.62	0.8166	1.16	0.8741	2.8508	-0.6365	0.4373	0.1268	-0.0724
1514	9.34	9.58	0.8196	1.1597	0.8729	2.8523	-0.7064	0.4919	0.1316	-0.0828
1515	9.55	9.59	0.8204	1.16	0.8723	2.8528	-0.7232	0.5038	0.1264	-0.0931
1516	9.58	9.6	0.8202	1.1605	0.8719	2.8527	-0.6839	0.4804	0.1254	-0.0781
1517	9.55	9.63	0.8195	1.1615	0.8722	2.8532	-0.6174	0.452	0.1021	-0.0633
1518	9.98	9.65	0.8201	1.1607	0.8719	2.8527	-0.5915	0.4299	0.0846	-0.077
1519	9.69	9.66	0.8238	1.1575	0.8715	2.8527	-0.5887	0.4014	0.0922	-0.0951
1520	9.82	9.69	0.8231	1.1578	0.8715	2.8524	-0.5799	0.3773	0.0999	-0.1028
1521	9.29	9.68	0.8218	1.1578	0.8716	2.8512	-0.4875	0.304	0.0924	-0.0911
1522	9.53	9.66	0.8211	1.1577	0.8719	2.8508	-0.3928	0.2277	0.0819	-0.0832
1523	9.87	9.62	0.8209	1.1579	0.8719	2.8507	-0.364	0.1974	0.0845	-0.0821
1524	9.8	9.62	0.8224	1.1571	0.8713	2.8508	-0.3438	0.1625	0.0918	-0.0895
1525	9.77	9.63	0.8194	1.1591	0.8717	2.8502	-0.3298	0.1253	0.0975	-0.107
1526	10.2	9.61	0.8163	1.1612	0.8723	2.8498	-0.2772	0.0983	0.1008	-0.0781
1527	9.98	9.61	0.8176	1.1605	0.8725	2.8505	-0.2633	0.0648	0.1054	-0.0931
1528	9.67	9.58	0.8221	1.1573	0.8722	2.8515	-0.2478	0.0566	0.0982	-0.0931
1529	10.2	9.57	0.8247	1.155	0.8717	2.8514	-0.3058	0.0938	0.1037	-0.1083
1530	9.42	9.55	0.8267	1.1545	0.871	2.8522	-0.3067	0.0966	0.1091	-0.101
1531	9	9.59	0.8309	1.1497	0.87	2.8506	-0.3203	0.1053	0.109	-0.1059
1532	8.57	9.61	0.8407	1.1442	0.8681	2.853	-0.3362	0.105	0.1168	-0.1144
1533	9.25	9.59	0.8448	1.1399	0.8681	2.8529	-0.3466	0.0962	0.1252	-0.1252
1534	9.8	9.59	0.8448	1.1401	0.8693	2.8541	-0.3718	0.1012	0.126	-0.1446
1535	9.31	9.59	0.8394	1.1437	0.8703	2.8534	-0.3719	0.1052	0.1216	-0.145
1536	9.44	9.56	0.8357	1.1447	0.8714	2.8517	-0.3509	0.0922	0.1181	-0.1405
1537	9.44	9.54	0.8324	1.1453	0.8723	2.8501	-0.3502	0.1035	0.1154	-0.1313
1538	9.56	9.52	0.8324	1.1452	0.8725	2.8501	-0.347	0.1119	0.1132	-0.1219
1539	9.36	9.46	0.8344	1.1436	0.8724	2.8504	-0.2969	0.0729	0.1151	-0.1089
1540	9.99	9.45	0.8366	1.1425	0.8721	2.8511	-0.2328	0.043	0.1118	-0.078
1541	9.99	9.49	0.8343	1.1451	0.8715	2.8509	-0.2171	0.0293	0.1084	-0.0794
1542	9.5	9.52	0.8289	1.1499	0.8715	2.8502	-0.2114	0.0228	0.1155	-0.0731
1543	9.8	9.52	0.827	1.153	0.8706	2.8507	-0.1737	0.0178	0.1134	-0.0425
1544	9.71	9.49	0.8274	1.1551	0.869	2.8516	-0.0938	-0.035	0.101	-0.0278
1545	9.69	9.47	0.8263	1.1573	0.8685	2.8521	-0.0727	-0.0585	0.0978	-0.0334

1546	9.63	9.45	0.8268	1.1578	0.8682	2.8528	-0.0686	-0.0713	0.1011	-0.0388
1547	9.3	9.43	0.8226	1.1588	0.8694	2.8508	-0.1616	0.0025	0.1101	-0.0489
1548	8.98	9.43	0.8177	1.1612	0.8709	2.8498	-0.2715	0.0931	0.1269	-0.0515
1549	9.3	9.42	0.8172	1.1625	0.8708	2.8505	-0.3198	0.137	0.1282	-0.0547
1550	9.63	9.35	0.8171	1.163	0.8698	2.8499	-0.3326	0.1663	0.1237	-0.0426
1551	9.24	9.28	0.8194	1.1626	0.8692	2.8513	-0.3447	0.1953	0.1182	-0.0313
1552	9.22	9.26	0.8172	1.1639	0.8697	2.8507	-0.3317	0.198	0.1079	-0.0258
1553	9.24	9.24	0.8124	1.1669	0.8702	2.8495	-0.3506	0.2157	0.1055	-0.0295
1554	9.01	9.25	0.809	1.1689	0.871	2.8489	-0.3866	0.2604	0.1023	-0.0239
1555	8.91	9.23	0.8108	1.1689	0.8705	2.8503	-0.4273	0.2982	0.1	-0.0291
1556	9.18	9.24	0.8176	1.1655	0.8692	2.8523	-0.4536	0.3271	0.0995	-0.027
1557	9.45	9.25	0.8186	1.1641	0.8691	2.8518	-0.4175	0.3	0.1075	-0.0101
1558	9.17	9.28	0.817	1.1634	0.8698	2.8502	-0.3718	0.2617	0.1134	0.0033
1559	8.72	9.29	0.8185	1.1609	0.8694	2.8487	-0.3152	0.1963	0.1083	-0.0105
1560	8.56	9.28	0.8225	1.1579	0.8684	2.8488	-0.212	0.1363	0.0971	0.0213
1561	9.22	9.31	0.8251	1.1556	0.8681	2.8489	-0.0844	0.0611	0.0744	0.0511
1562	9.38	9.35	0.8291	1.1518	0.8676	2.8486	0.05	0.0028	0.0524	0.1052
1563	9.84	9.38	0.8349	1.1474	0.8673	2.8497	0.1665	-0.0761	0.0268	0.1172
1564	9.38	9.43	0.8361	1.1461	0.8678	2.8499	0.233	-0.1063	0.0056	0.1324
1565	9.88	9.46	0.8322	1.1483	0.8678	2.8484	0.322	-0.136	-0.0207	0.1653
1566	9.43	9.51	0.8248	1.1521	0.8698	2.8467	0.3969	-0.1743	-0.036	0.1867
1567	9.62	9.54	0.8215	1.1546	0.8715	2.8477	0.4354	-0.2117	-0.0419	0.1818
1568	9.45	9.55	0.8206	1.1577	0.871	2.8493	0.4558	-0.2308	-0.0376	0.1873
1569	9.43	9.6	0.8196	1.1595	0.8703	2.8494	0.4925	-0.2646	-0.0406	0.1873
1570	9.85	9.65	0.8108	1.1662	0.8711	2.8482	0.5764	-0.339	-0.0458	0.1917
1571	9.86	9.7	0.8045	1.1714	0.8716	2.8474	0.5971	-0.3652	-0.0493	0.1825
1572	9.92	9.69	0.805	1.1716	0.8708	2.8474	0.5999	-0.3893	-0.0458	0.1647
1573	9.86	9.66	0.8062	1.1716	0.8701	2.848	0.5915	-0.3981	-0.0368	0.1566
1574	9.65	9.66	0.8083	1.1715	0.8695	2.8493	0.544	-0.3727	-0.0316	0.1397
1575	10	9.63	0.8136	1.1687	0.8688	2.8512	0.5221	-0.3466	-0.0312	0.1443
1576	10	9.62	0.816	1.1669	0.8684	2.8514	0.5027	-0.3262	-0.026	0.1505
1577	9.35	9.62	0.818	1.1647	0.8685	2.8513	0.5185	-0.3304	-0.0259	0.1621
1578	9.68	9.63	0.8237	1.1601	0.8679	2.8518	0.5483	-0.3509	-0.0305	0.1669
1579	9.54	9.69	0.8249	1.1591	0.8676	2.8516	0.5882	-0.3817	-0.036	0.1705
1580	10.1	9.71	0.8247	1.1584	0.8682	2.8513	0.6307	-0.4203	-0.0411	0.1693
1581	9.3	9.71	0.8238	1.1592	0.8681	2.8511	0.6784	-0.4543	-0.048	0.1761
1582	9.24	9.75	0.8238	1.1601	0.8673	2.8511	0.7311	-0.5144	-0.0577	0.159

1583	9.26	9.74	0.8249	1.1595	0.867	2.8514	0.8269	-0.5705	-0.0807	0.1756
1584	9.4	9.76	0.8234	1.1593	0.8676	2.8503	0.8516	-0.5975	-0.0842	0.1698
1585	9.25	9.74	0.8192	1.1614	0.8685	2.849	0.845	-0.6016	-0.0694	0.174
1586	9.54	9.75	0.8173	1.1623	0.8692	2.8488	0.7754	-0.5668	-0.0568	0.1518
1587	9.69	9.8	0.8161	1.1625	0.8702	2.8487	0.7226	-0.5397	-0.0429	0.14
1588	10.5	9.87	0.8146	1.163	0.871	2.8486	0.6761	-0.5199	-0.0274	0.1287
1589	10.3	9.9	0.8139	1.163	0.8711	2.8479	0.6595	-0.5102	-0.0304	0.1189
1590	9.82	9.93	0.8156	1.1621	0.8705	2.8481	0.6723	-0.5202	-0.0337	0.1183
1591	10.6	10	0.82	1.1591	0.8693	2.8485	0.673	-0.5214	-0.0343	0.1174
1592	9.85	10.1	0.8219	1.157	0.869	2.8479	0.6394	-0.4826	-0.0394	0.1175
1593	9.95	10.1	0.8185	1.1593	0.8697	2.8475	0.5681	-0.4316	-0.0406	0.0959
1594	9.68	10.2	0.8196	1.1596	0.869	2.8482	0.5296	-0.3903	-0.0527	0.0866
1595	10.1	10.3	0.8204	1.1599	0.8686	2.8489	0.5183	-0.3575	-0.0714	0.0894
1596	10.4	10.3	0.8268	1.1555	0.8678	2.8501	0.4863	-0.3128	-0.0773	0.0961
1597	10.9	10.4	0.8317	1.1512	0.8669	2.8498	0.4763	-0.2963	-0.0804	0.0995
1598	10.2	10.4	0.8303	1.1517	0.867	2.8489	0.4267	-0.2815	-0.0692	0.0761
1599	10.6	10.4	0.8271	1.1532	0.867	2.8474	0.3717	-0.2459	-0.0543	0.0715
1600	10.9	10.4	0.8243	1.1539	0.8673	2.8455	0.3451	-0.2127	-0.055	0.0774
1601	10	10.4	0.8199	1.1559	0.8685	2.8443	0.3426	-0.205	-0.0662	0.0715
1602	10.4	10.3	0.8189	1.1568	0.8688	2.8445	0.3643	-0.2046	-0.077	0.0828
1603	10.8	10.3	0.822	1.1545	0.8683	2.8448	0.3388	-0.1868	-0.0724	0.0796
1604	10.6	10.4	0.8253	1.1522	0.8679	2.8455	0.2735	-0.141	-0.0641	0.0684
1605	10.4	10.3	0.8266	1.1509	0.8678	2.8453	0.2356	-0.114	-0.0579	0.0637
1606	10.8	10.3	0.8245	1.1521	0.8676	2.8442	0.2339	-0.0986	-0.0612	0.0741
1607	11.1	10.2	0.8227	1.1526	0.8671	2.8424	0.2882	-0.1159	-0.0694	0.1028
1608	10.3	10.2	0.8185	1.156	0.8683	2.8428	0.2785	-0.1134	-0.0638	0.1014
1609	10.1	10.2	0.814	1.1581	0.8691	2.8412	0.264	-0.1141	-0.0532	0.0968
1610	9.64	10.1	0.8074	1.1624	0.8704	2.8402	0.292	-0.1496	-0.0575	0.0849
1611	9.81	10.1	0.8015	1.1641	0.8711	2.8366	0.3454	-0.1867	-0.0698	0.0889
1612	9.88	10.1	0.7968	1.1684	0.8724	2.8376	0.3744	-0.2078	-0.0707	0.0959
1613	10	10	0.7933	1.1707	0.8736	2.8375	0.432	-0.2601	-0.0703	0.1016
1614	9.45	9.95	0.7874	1.1733	0.875	2.8358	0.4612	-0.2734	-0.0744	0.1134
1615	9.5	9.92	0.7807	1.1774	0.8759	2.8341	0.3988	-0.2229	-0.0699	0.106
1616	9.97	9.83	0.7767	1.1817	0.8761	2.8345	0.2996	-0.1427	-0.0633	0.0936
1617	10.1	9.74	0.774	1.1846	0.8759	2.8345	0.1922	-0.081	-0.0399	0.0714
1618	9.68	9.72	0.7708	1.1871	0.876	2.8339	0.1369	-0.0531	-0.0139	0.0698
1619	10.2	9.73	0.7661	1.1914	0.8761	2.8336	0.1026	-0.0122	-0.0152	0.0752

1620	9.9	9.74	0.7634	1.1943	0.8764	2.8341	0.0994	0.003	-0.0235	0.0789
1621	9.48	9.73	0.7618	1.1967	0.8761	2.8347	0.0252	0.0601	-0.0164	0.0689
1622	9.25	9.72	0.762	1.1975	0.8756	2.8351	-0.0379	0.1134	-0.0097	0.0658
1623	9.55	9.71	0.7665	1.1951	0.8751	2.8367	-0.0295	0.1176	-0.0198	0.0684
1624	9.84	9.73	0.7702	1.1918	0.8744	2.8363	-0.0312	0.137	-0.03	0.0758
1625	9.13	9.75	0.7691	1.1917	0.8743	2.8351	-0.0537	0.1702	-0.0352	0.0813
1626	9.41	9.75	0.7645	1.1942	0.8749	2.8336	-0.0095	0.1483	-0.04	0.0988
1627	9.89	9.72	0.7627	1.1955	0.8755	2.8338	0.0213	0.1238	-0.0466	0.0984
1628	10.1	9.73	0.7632	1.1954	0.8758	2.8345	0.0437	0.0966	-0.0478	0.0926
1629	9.84	9.68	0.7616	1.197	0.8758	2.8345	0.0518	0.0854	-0.0447	0.0924
1630	9.61	9.66	0.7588	1.1999	0.8758	2.8346	-0.0168	0.1255	-0.0349	0.0738
1631	9.83	9.64	0.7578	1.2011	0.8758	2.8347	-0.1267	0.1716	-0.0103	0.0346
1632	9.84	9.64	0.758	1.2012	0.8762	2.8354	-0.2246	0.215	0.0018	-0.0079
1633	9.7	9.64	0.7596	1.1997	0.8765	2.8359	-0.261	0.2609	0.0131	0.013
1634	9.99	9.63	0.7603	1.2002	0.8762	2.8367	-0.2627	0.2743	0.0157	0.0273
1635	9.9	9.65	0.7619	1.2004	0.876	2.8383	-0.279	0.2729	0.026	0.0199
1636	9.55	9.64	0.7634	1.1987	0.8756	2.8377	-0.2879	0.2804	0.0315	0.024
1637	9.83	9.62	0.7648	1.1973	0.875	2.8372	-0.3782	0.3319	0.0489	0.0026
1638	9.3	9.58	0.7664	1.1962	0.8755	2.8382	-0.426	0.3489	0.0637	-0.0134
1639	9.47	9.58	0.7672	1.1956	0.8758	2.8385	-0.4733	0.3795	0.0769	-0.0169
1640	9.17	9.58	0.7693	1.1946	0.8755	2.8393	-0.5327	0.4122	0.0855	-0.035
1641	9.27	9.57	0.7703	1.1934	0.8755	2.8392	-0.5299	0.3996	0.0838	-0.0465
1642	9.46	9.57	0.7721	1.193	0.8755	2.8407	-0.4724	0.3536	0.0729	-0.0459
1643	9.7	9.58	0.7741	1.1921	0.8759	2.8421	-0.4763	0.3388	0.0775	-0.0601
1644	9.56	9.55	0.7756	1.1908	0.8762	2.8426	-0.5223	0.3686	0.0925	-0.0612
1645	9.19	9.56	0.7776	1.1886	0.8762	2.8425	-0.5816	0.4014	0.107	-0.0732
1646	9.38	9.59	0.7792	1.1874	0.8762	2.8428	-0.6039	0.4292	0.1194	-0.0554
1647	9.41	9.61	0.7799	1.1869	0.8763	2.8432	-0.5026	0.385	0.1126	-0.0051
1648	9.86	9.66	0.7805	1.1858	0.8763	2.8426	-0.4117	0.3042	0.104	-0.0035
1649	9.65	9.67	0.7827	1.1838	0.8763	2.8428	-0.3843	0.2961	0.0937	0.0056
1650	9.64	9.71	0.7829	1.1835	0.8764	2.8428	-0.3372	0.2469	0.0661	-0.0243
1651	9.75	9.75	0.783	1.1831	0.8769	2.843	-0.2866	0.221	0.059	-0.0065
1652	9.88	9.8	0.7833	1.1826	0.8769	2.8428	-0.3166	0.227	0.0681	-0.0215
1653	9.5	9.83	0.785	1.181	0.8766	2.8426	-0.3342	0.2399	0.0701	-0.0242
1654	10	9.85	0.7854	1.1803	0.8768	2.8425	-0.2892	0.2043	0.0644	-0.0206
1655	10.1	9.93	0.7874	1.1788	0.8766	2.8428	-0.2391	0.1677	0.0617	-0.0097
1656	10.2	9.96	0.7888	1.1771	0.8761	2.842	-0.2076	0.1421	0.0605	-0.005

1657	10.2	9.99	0.7908	1.1754	0.8755	2.8417	-0.1707	0.117	0.0529	-0.0008
1658	9.75	9.98	0.7906	1.1748	0.8751	2.8405	-0.1069	0.0647	0.038	-0.0042
1659	9.97	9.97	0.7893	1.1759	0.8751	2.8403	-0.0712	0.0336	0.035	-0.0026
1660	9.98	9.97	0.788	1.1766	0.8754	2.8399	-0.0491	0.0005	0.0366	-0.0119
1661	10.3	9.94	0.7877	1.1764	0.8752	2.8393	-0.0596	0.0111	0.0469	-0.0016
1662	10.3	9.92	0.7859	1.1778	0.8747	2.8384	-0.077	-0.0002	0.0492	-0.028
1663	10	9.96	0.7888	1.1748	0.8748	2.8383	-0.0994	0.0173	0.0595	-0.0227
1664	10.6	9.95	0.7962	1.1684	0.8748	2.8393	-0.1173	0.0318	0.074	-0.0115
1665	10.1	9.93	0.8023	1.1626	0.8741	2.839	-0.1553	0.041	0.0874	-0.0269
1666	9.83	9.89	0.8055	1.1602	0.8738	2.8396	-0.2097	0.08	0.082	-0.0477
1667	9.72	9.86	0.8078	1.16	0.8729	2.8407	-0.2495	0.133	0.0782	-0.0383
1668	9.4	9.87	0.8103	1.159	0.8725	2.8417	-0.2523	0.1544	0.0716	-0.0263
1669	9.67	9.88	0.8097	1.1592	0.8726	2.8415	-0.2425	0.143	0.0742	-0.0253
1670	9.25	9.91	0.8083	1.1602	0.8728	2.8413	-0.2587	0.1576	0.0793	-0.0218
1671	9.53	9.88	0.8082	1.1601	0.8725	2.8408	-0.2732	0.1553	0.0913	-0.0266
1672	10.2	9.86	0.8079	1.1598	0.8728	2.8406	-0.2806	0.1596	0.0971	-0.0239
1673	9.87	9.83	0.8093	1.1579	0.8731	2.8404	-0.2584	0.1421	0.0923	-0.024
1674	9.74	9.8	0.8136	1.1545	0.8731	2.8412	-0.1909	0.1031	0.0843	-0.0035
1675	9.31	9.8	0.8146	1.1539	0.8728	2.8413	-0.1486	0.0659	0.0725	-0.0101
1676	9.76	9.83	0.8139	1.1545	0.8731	2.8415	-0.1595	0.0649	0.0676	-0.0269
1677	9.84	9.84	0.8137	1.1551	0.8733	2.842	-0.2038	0.0757	0.0714	-0.0568
1678	10.2	9.87	0.8186	1.1516	0.8724	2.8426	-0.2241	0.0871	0.0758	-0.0612
1679	10.5	9.86	0.8266	1.1465	0.8711	2.8442	-0.2254	0.0847	0.0772	-0.0635
1680	9.84	9.88	0.8374	1.1412	0.8692	2.8479	-0.2687	0.1042	0.0766	-0.0879
1681	10	9.89	0.8462	1.1377	0.8679	2.8518	-0.3082	0.1515	0.0765	-0.0803
1682	9.35	9.89	0.8499	1.134	0.866	2.8498	-0.3619	0.1939	0.0809	-0.0871
1683	10	9.91	0.8512	1.132	0.8654	2.8486	-0.3647	0.2127	0.0811	-0.0709
1684	10.2	9.97	0.8513	1.132	0.865	2.8483	-0.3361	0.1737	0.0871	-0.0754
1685	10.3	10	0.848	1.1334	0.8653	2.8466	-0.32	0.1666	0.0811	-0.0723
1686	9.93	10.1	0.8551	1.1291	0.8643	2.8485	-0.2956	0.1611	0.0741	-0.0605
1687	9.93	10.1	0.8587	1.1276	0.8638	2.85	-0.285	0.1516	0.0661	-0.0674
1688	9.49	10.1	0.8619	1.1251	0.8633	2.8503	-0.3029	0.1669	0.0586	-0.0774
1689	9.63	10.1	0.8672	1.1218	0.8625	2.8514	-0.3259	0.1917	0.067	-0.0672
1690	9.82	10.1	0.8686	1.1221	0.8621	2.8528	-0.3342	0.207	0.0712	-0.056
1691	10	10.1	0.8673	1.1238	0.862	2.8531	-0.3077	0.1909	0.0674	-0.0495
1692	10.3	10.1	0.8695	1.1231	0.8613	2.8539	-0.2661	0.1506	0.0661	-0.0494
1693	10.8	10.1	0.8708	1.1224	0.8604	2.8536	-0.2366	0.1331	0.0684	-0.0351

1694	10.9	10	0.8778	1.1194	0.8583	2.8555	-0.2467	0.1389	0.0819	-0.0259
1695	10.3	10	0.8808	1.117	0.8566	2.8545	-0.2355	0.1316	0.0929	-0.011
1696	10.5	10.1	0.877	1.117	0.8566	2.8506	-0.1997	0.0989	0.0936	-0.0073
1697	10.4	10	0.8729	1.1208	0.8565	2.8502	-0.1827	0.0762	0.096	-0.0105
1698	9.82	10	0.8687	1.122	0.8576	2.8483	-0.1658	0.0612	0.099	-0.0055
1699	10	10	0.8608	1.1285	0.8604	2.8498	-0.1467	0.0565	0.0945	0.0043
1700	10	10	0.8529	1.1318	0.8614	2.8462	-0.1241	0.0393	0.0876	0.0028
1701	9.46	10	0.8516	1.1332	0.8616	2.8464	-0.1197	0.0305	0.0861	-0.0032
1702	9.5	9.97	0.8523	1.1328	0.8618	2.8469	-0.1121	0.0182	0.0895	-0.0044
1703	9.7	9.89	0.8509	1.134	0.8619	2.8468	-0.1092	0.0231	0.0868	0.0007
1704	10.1	9.8	0.8492	1.1355	0.8617	2.8464	-0.0851	0.0069	0.077	-0.0011
1705	10.2	9.76	0.8473	1.1367	0.8617	2.8458	-0.0727	-0.006	0.0764	-0.0023
1706	9.48	9.71	0.8415	1.1404	0.8623	2.8442	-0.0389	-0.0359	0.0774	0.0027
1707	9.34	9.68	0.8333	1.1462	0.8633	2.8428	-0.0144	-0.0578	0.072	-0.0002
1708	9.57	9.67	0.8256	1.1527	0.8648	2.8431	-0.0038	-0.0698	0.0627	-0.0109
1709	9.85	9.67	0.8189	1.158	0.8655	2.8424	-0.0346	-0.0518	0.0575	-0.029
1710	9.64	9.66	0.8134	1.1613	0.8657	2.8404	-0.0563	-0.0321	0.0501	-0.0384
1711	9.8	9.67	0.8092	1.1641	0.8661	2.8395	-0.072	-0.0223	0.051	-0.0434
1712	9.34	9.67	0.8067	1.1666	0.8665	2.8398	-0.0751	-0.0308	0.0487	-0.0572
1713	9.21	9.67	0.805	1.1675	0.8662	2.8387	-0.1088	0.0071	0.0435	-0.0582
1714	9.58	9.65	0.8029	1.1692	0.8663	2.8385	-0.0966	-0.0052	0.0418	-0.06
1715	9.55	9.6	0.8017	1.1694	0.8677	2.8388	-0.0271	-0.0587	0.0422	-0.0435
1716	9.82	9.59	0.8016	1.1684	0.8683	2.8383	0.025	-0.0908	0.0339	-0.0319
1717	9.61	9.58	0.7992	1.1691	0.8688	2.8371	0.0451	-0.1087	0.0289	-0.0346
1718	9.92	9.56	0.7951	1.1728	0.8686	2.8365	0.0638	-0.1159	0.019	-0.0331
1719	9.93	9.53	0.792	1.1756	0.8682	2.8357	0.0947	-0.1375	0.0136	-0.0292
1720	9.61	9.53	0.7907	1.1788	0.8673	2.8368	0.0923	-0.1467	0.0151	-0.0394
1721	9.49	9.52	0.7899	1.1808	0.8664	2.8371	0.0682	-0.1363	0.0213	-0.0468
1722	9.68	9.54	0.7878	1.1833	0.8664	2.8375	0.051	-0.1286	0.026	-0.0516
1723	9.7	9.56	0.7856	1.1848	0.8666	2.8371	0.0564	-0.1398	0.0328	-0.0506
1724	9.29	9.58	0.785	1.1852	0.8671	2.8374	0.0693	-0.1592	0.0406	-0.0493
1725	9.23	9.58	0.7851	1.1852	0.8675	2.8378	0.1032	-0.1934	0.0424	-0.0478
1726	9.17	9.57	0.7849	1.1867	0.8677	2.8393	0.0968	-0.1914	0.0404	-0.0542
1727	9.16	9.53	0.7851	1.1868	0.8679	2.8399	0.0963	-0.191	0.0466	-0.0481
1728	9.27	9.48	0.7858	1.187	0.8681	2.8408	0.0687	-0.1636	0.0561	-0.0388
1729	9.64	9.46	0.7885	1.1866	0.8682	2.8433	0.0716	-0.1737	0.0562	-0.0459
1730	9.6	9.46	0.7896	1.1848	0.8682	2.8426	0.1501	-0.2186	0.0468	-0.0217

1731	9.83	9.47	0.794	1.1817	0.8677	2.8434	0.2689	-0.2784	0.0251	0.0157
1732	9.55	9.47	0.7945	1.1799	0.8681	2.8425	0.3844	-0.3349	0.0102	0.0597
1733	9.99	9.49	0.7933	1.1823	0.8678	2.8434	0.4646	-0.4046	-0.0143	0.0456
1734	9.56	9.56	0.7923	1.1836	0.8681	2.8439	0.4873	-0.4313	-0.0244	0.0316
1735	9.54	9.58	0.7914	1.1843	0.8686	2.8443	0.4887	-0.4199	-0.0331	0.0356
1736	8.97	9.62	0.792	1.1835	0.869	2.8445	0.4618	-0.4033	-0.0357	0.0227
1737	8.94	9.69	0.7951	1.1806	0.8692	2.8449	0.5312	-0.447	-0.0462	0.038
1738	9.5	9.73	0.799	1.1771	0.8688	2.8449	0.5564	-0.4508	-0.0494	0.0563
1739	9.6	9.73	0.8006	1.1749	0.8687	2.8441	0.5799	-0.4633	-0.0554	0.0611
1740	9.74	9.75	0.8	1.1755	0.8688	2.8443	0.6344	-0.4956	-0.0635	0.0753
1741	9.69	9.78	0.797	1.1783	0.8689	2.8441	0.6595	-0.4988	-0.0663	0.0945
1742	10.1	9.81	0.7958	1.1797	0.8687	2.8442	0.6529	-0.4893	-0.0651	0.0986
1743	10.5	9.82	0.7988	1.1782	0.8677	2.8446	0.6908	-0.4984	-0.0723	0.1201
1744	9.63	9.86	0.7992	1.1777	0.8669	2.8437	0.7064	-0.524	-0.079	0.1035
1745	10.1	9.9	0.7976	1.1787	0.8669	2.8432	0.7776	-0.5523	-0.1001	0.1253
1746	10.4	9.97	0.7975	1.1798	0.8666	2.8439	0.8159	-0.5766	-0.1157	0.1236
1747	10.1	10	0.7965	1.1808	0.8664	2.8437	0.7684	-0.5655	-0.113	0.0899
1748	9.58	10.1	0.7952	1.1801	0.8669	2.8422	0.7204	-0.5231	-0.112	0.0854
1749	10	10.1	0.7951	1.1799	0.8675	2.8425	0.6846	-0.5225	-0.0995	0.0626
1750	10.3	10.1	0.7949	1.1805	0.8678	2.8431	0.6127	-0.4752	-0.0633	0.0743
1751	10.2	10.1	0.7942	1.1813	0.868	2.8435	0.538	-0.4511	-0.0473	0.0396
1752	10	10.1	0.7942	1.1803	0.8682	2.8427	0.5297	-0.4412	-0.0456	0.0428
1753	10.4	10	0.7935	1.1803	0.8689	2.8428	0.5426	-0.4502	-0.0442	0.0482
1754	10.4	10	0.7927	1.1809	0.8692	2.8428	0.5337	-0.442	-0.044	0.0477
1755	10.2	9.98	0.7913	1.1824	0.8689	2.8426	0.522	-0.4318	-0.0462	0.044
1756	10.3	9.95	0.7902	1.1829	0.8689	2.842	0.5072	-0.4229	-0.0465	0.0378
1757	9.99	9.95	0.7911	1.1824	0.8692	2.8428	0.4512	-0.388	-0.0415	0.0216
1758	10.1	9.95	0.7941	1.18	0.8694	2.8434	0.3679	-0.3307	-0.0304	0.0069
1759	9.94	9.93	0.7949	1.1791	0.8701	2.8441	0.2882	-0.2633	-0.0152	0.0097
1760	9.33	9.9	0.7952	1.1788	0.8703	2.8443	0.2176	-0.2076	-0.0076	0.0024
1761	9.87	9.88	0.7952	1.1795	0.8703	2.845	0.1582	-0.1731	-0.0055	-0.0204
1762	9.66	9.86	0.7968	1.1771	0.8703	2.8443	0.1134	-0.144	-0.0004	-0.031
1763	9.19	9.81	0.7984	1.1753	0.8706	2.8443	0.0864	-0.1166	0.0033	-0.0269
1764	9.59	9.76	0.7989	1.1743	0.8705	2.8437	0.0677	-0.1083	-0.0001	-0.0406
1765	9.93	9.77	0.7998	1.1717	0.8707	2.8422	0.0444	-0.0894	0.0014	-0.0437
1766	9.98	9.74	0.801	1.1711	0.8709	2.843	0.0304	-0.0878	0.0179	-0.0395
1767	9.69	9.75	0.8014	1.1715	0.871	2.844	0.0299	-0.1018	0.0256	-0.0463

1768	9.57	9.74	0.8008	1.1727	0.8711	2.8447	0.0009	-0.0939	0.0315	-0.0615
1769	9.76	9.7	0.8005	1.1739	0.8711	2.8455	-0.0493	-0.0499	0.0291	-0.07
1770	9.87	9.74	0.8015	1.1738	0.8706	2.846	-0.088	-0.0162	0.0245	-0.0797
1771	9.6	9.73	0.8031	1.1729	0.8699	2.846	-0.1049	0.0231	0.0142	-0.0676
1772	9.5	9.73	0.8023	1.1738	0.8695	2.8456	-0.1169	0.0488	0.0034	-0.0647
1773	9.4	9.78	0.8024	1.1738	0.869	2.8453	-0.1448	0.0822	0.0028	-0.0598
1774	10.4	9.82	0.8033	1.1738	0.8688	2.8459	-0.1754	0.1028	0.0062	-0.0664
1775	9.72	9.84	0.8049	1.173	0.8688	2.8467	-0.1854	0.109	0.0127	-0.0638
1776	10	9.86	0.8042	1.1736	0.8684	2.8463	-0.1872	0.1106	0.0181	-0.0585
1777	9.99	9.87	0.8068	1.1714	0.8677	2.8459	-0.1928	0.132	0.0213	-0.0396
1778	9.19	9.91	0.8114	1.1689	0.8668	2.8471	-0.1916	0.1359	0.0244	-0.0313
1779	10.1	9.97	0.8115	1.1684	0.8664	2.8464	-0.1855	0.1396	0.0266	-0.0192
1780	9.63	9.98	0.8105	1.1691	0.8667	2.8463	-0.1501	0.1367	0.0285	0.0151
1781	9.74	10	0.8078	1.1712	0.8669	2.8459	-0.1355	0.1124	0.0291	0.006
1782	10.1	10	0.8034	1.1744	0.8674	2.8453	-0.0742	0.0696	0.0224	0.0178
1783	10.4	10.1	0.8025	1.1752	0.8678	2.8455	-0.0679	0.0444	0.0281	0.0046
1784	10.2	10.1	0.8024	1.174	0.8684	2.8448	-0.0876	0.0809	0.0249	0.0182
1785	10.3	10.1	0.8018	1.1737	0.8689	2.8444	-0.1038	0.1006	0.0295	0.0263
1786	9.94	10.1	0.8019	1.1739	0.8689	2.8447	-0.1186	0.1133	0.0377	0.0323
1787	10.4	10.1	0.803	1.1727	0.8687	2.8444	-0.1121	0.1029	0.0449	0.0356
1788	10.7	10.1	0.8039	1.1714	0.8689	2.8442	-0.0636	0.0588	0.0478	0.0431
1789	10.1	10.1	0.8037	1.1713	0.8689	2.8439	-0.0021	0.0025	0.0426	0.043
1790	10.2	10.1	0.8026	1.172	0.8687	2.8433	0.0243	-0.0334	0.0408	0.0317
1791	10.1	10.1	0.802	1.1727	0.8685	2.8432	0.015	-0.0234	0.0433	0.0348
1792	9.92	10.1	0.8004	1.1729	0.8685	2.8418	-0.0368	0.0233	0.0458	0.0323
1793	10.4	10.1	0.8001	1.1748	0.8683	2.8432	-0.0578	0.0484	0.0434	0.0339
1794	9.62	10	0.8	1.1747	0.8683	2.843	-0.0066	0.0221	0.0273	0.0429
1795	9.79	9.96	0.7992	1.1747	0.8682	2.8421	0.0005	0.0134	0.0131	0.027
1796	10.2	9.92	0.8002	1.1736	0.8679	2.8416	-0.0276	0.032	0.0133	0.0177
1797	10.3	9.86	0.8008	1.1731	0.8677	2.8416	-0.0303	0.0527	0.008	0.0305
1798	10.1	9.92	0.8002	1.1743	0.8675	2.842	-0.0495	0.0734	0.005	0.0288
1799	9.62	9.71	0.7995	1.1761	0.8668	2.8424	-0.0758	0.0615	0.0138	-0.0004
1800	9.37	9.37	0.7991	1.1769	0.8662	2.8422	-0.079	0.0584	0.027	0.0064