

Test Name	CDR, PIR, rep 1
Cladding	Cedar Wood
Cladding Thickness [mm]	12
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 a Cedar Wood 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	There were no noticeable observations for this test.
Peak HRR [kW]	209
Time to Peak HRR [mins]	4.02
Residual HRR [kW]	1.36
Total HR [MJ]	62.2
Peak dQ/dt [kW/s]	1.72
Time to Peak dQ/dt [s]	1.9

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	-0.00978	-0.00978	2.9666	1.8638	-0.0012	4.8291	1.4723	0.7963	0.0182	2.2868
1	0.169	0.12	2.9703	1.8625	-0.0009	4.8319	1.5145	0.8066	0.0189	2.34
2	0.2	0.124	2.9706	1.8617	-0.001	4.8313	1.609	0.8123	0.0244	2.4458
3	0.114	0.205	2.9708	1.8612	-0.001	4.8311	1.6787	0.8298	0.024	2.5324
4	0.147	0.307	2.9709	1.8605	-0.0012	4.8302	1.7272	0.8309	0.0239	2.5821
5	0.275	0.631	2.9712	1.8599	-0.0013	4.8297	1.7739	0.8579	0.0243	2.6561
6	0.538	1.26	2.9716	1.8594	-0.0015	4.8295	1.8303	0.8815	0.0235	2.7353
7	0.529	2.06	2.9716	1.8588	-0.0015	4.8289	1.8912	0.8948	0.0259	2.8119
8	0.795	2.82	2.9714	1.8583	-0.0015	4.8283	1.9537	0.9228	0.026	2.9026
9	1.8	3.62	2.9712	1.8573	-0.0014	4.8271	2.0187	0.9319	0.0249	2.9755
10	2.38	4.22	2.9705	1.857	-0.0014	4.8261	2.0345	0.9414	0.0192	2.9951
11	3.95	4.86	2.9698	1.8566	-0.0015	4.8249	2.0839	0.9446	0.0176	3.046
12	5.48	5.53	2.9695	1.8551	-0.0014	4.8232	2.0949	0.9581	0.0157	3.0687
13	6.92	6.23	2.969	1.8551	-0.0015	4.8226	2.1428	0.9655	0.0141	3.1224
14	7.64	6.99	2.9684	1.8548	-0.0014	4.8217	2.2014	0.9832	0.0167	3.2014
15	8.05	7.8	2.9682	1.8542	-0.0013	4.8211	2.2367	0.9945	0.016	3.2473
16	9.04	8.65	2.9686	1.8537	-0.0015	4.8209	2.3057	1.0028	0.0141	3.3226
17	9.58	9.52	2.9689	1.8533	-0.0016	4.8207	2.3805	1.0089	0.0137	3.4031
18	11.2	10.4	2.969	1.8529	-0.0017	4.8202	2.4673	1.0181	0.0134	3.4988
19	11.3	11.3	2.9687	1.8526	-0.0016	4.8197	2.551	1.0229	0.0126	3.5865
20	12.5	12.2	2.9683	1.852	-0.0016	4.8187	2.636	1.0281	0.0135	3.6777
21	12.8	13	2.9669	1.8511	-0.0016	4.8165	2.7092	1.046	0.0125	3.7676
22	13.5	13.8	2.9646	1.851	-0.0016	4.814	2.7775	1.0468	0.0108	3.8351
23	14.5	14.5	2.962	1.8505	-0.0016	4.8108	2.826	1.0513	0.0105	3.8878
24	15.7	15.2	2.9595	1.8497	-0.0017	4.8075	2.8951	1.0522	0.0081	3.9553
25	16.7	15.9	2.9579	1.8487	-0.0018	4.8049	2.9238	1.0556	0.0106	3.99
26	17	16.6	2.9574	1.8481	-0.0018	4.8037	2.9752	1.0636	0.0119	4.0507
27	18.1	17.4	2.9572	1.8475	-0.0018	4.8028	3.0214	1.0671	0.0126	4.1011
28	18.4	18.1	2.9573	1.8462	-0.0019	4.8016	3.0679	1.0675	0.0106	4.146

29	19	18.9	2.9567	1.8456	-0.0018	4.8005	3.0814	1.0722	0.0085	4.1622
30	19.2	19.6	2.9555	1.8449	-0.0017	4.7987	3.0732	1.0821	0.0092	4.1646
31	20.5	20.4	2.953	1.844	-0.0017	4.7953	3.0877	1.0851	0.0095	4.1823
32	19.9	21.3	2.9496	1.8433	-0.0019	4.791	3.1223	1.0862	0.0083	4.2169
33	20.7	22.2	2.9472	1.8424	-0.0019	4.7877	3.1851	1.0853	0.0104	4.2808
34	22	23.1	2.944	1.841	-0.0017	4.7833	3.2317	1.0846	0.0128	4.3291
35	23.4	24.2	2.9405	1.8397	-0.0016	4.7786	3.2943	1.0876	0.0136	4.3955
36	23.8	25.3	2.9357	1.8385	-0.0015	4.7727	3.336	1.0924	0.0127	4.4411
37	24.8	26.4	2.9306	1.8385	-0.0016	4.7675	3.3666	1.0975	0.0126	4.4767
38	26.6	27.5	2.9258	1.8382	-0.0016	4.7624	3.387	1.1005	0.01	4.4974
39	26	28.7	2.9222	1.8375	-0.0016	4.7581	3.4354	1.1014	0.0074	4.5442
40	27.4	29.8	2.9172	1.8367	-0.0016	4.7523	3.4773	1.1004	0.004	4.5817
41	31	31.1	2.9134	1.8355	-0.0014	4.7475	3.5	1.1016	0.0021	4.6037
42	31.3	32.4	2.9107	1.8343	-0.0016	4.7434	3.5341	1.1041	0.0028	4.641
43	33.6	34	2.908	1.8339	-0.0016	4.7402	3.5547	1.1126	0.004	4.6712
44	36.8	35.7	2.9057	1.8324	-0.0017	4.7363	3.5958	1.1191	0.0049	4.7199
45	37.9	37.5	2.9043	1.8313	-0.0017	4.7339	3.6275	1.1225	0.0045	4.7545
46	38.6	39.2	2.9037	1.8301	-0.0016	4.7322	3.6632	1.136	0.007	4.8062
47	39.5	41.1	2.901	1.8288	-0.0015	4.7282	3.685	1.1406	0.0069	4.8326
48	41.2	43	2.8975	1.8277	-0.0016	4.7236	3.7156	1.1433	0.0073	4.8662
49	41.7	45	2.8938	1.8258	-0.0015	4.718	3.7354	1.1487	0.0078	4.8919
50	44.6	47	2.8902	1.8244	-0.0016	4.713	3.7551	1.1501	0.0077	4.9129
51	45	49.2	2.8837	1.8233	-0.0019	4.7052	3.8287	1.1447	0.0013	4.9747
52	50.7	51.2	2.8784	1.8216	-0.0019	4.6981	3.9374	1.1438	0.0039	5.0851
53	55.1	53.2	2.8741	1.8207	-0.0019	4.6929	4.0167	1.1518	0.0013	5.1698
54	57.1	55.1	2.8698	1.8184	-0.002	4.6863	4.066	1.1704	0.0005	5.2369
55	56.3	57.2	2.8649	1.8162	-0.0019	4.6792	4.1375	1.1722	0.0002	5.3098
56	59.8	59.3	2.8596	1.8146	-0.0021	4.6721	4.227	1.1807	-0.0015	5.4061
57	63	61.6	2.8541	1.812	-0.0021	4.664	4.3016	1.1896	-0.0026	5.4886
58	63.9	63.8	2.8483	1.8106	-0.0021	4.6568	4.3671	1.2011	-0.003	5.5652
59	66	66.1	2.8453	1.8091	-0.0018	4.6526	4.427	1.2111	-0.0035	5.6345
60	72.6	68.7	2.8403	1.8079	-0.0017	4.6465	4.4947	1.214	-0.0037	5.705
61	69.7	71.5	2.8375	1.8062	-0.0016	4.6421	4.5557	1.226	-0.004	5.7777
62	70.5	74.2	2.8324	1.8047	-0.0015	4.6356	4.6124	1.2341	-0.0041	5.8425
63	74.5	76.6	2.8265	1.8026	-0.0017	4.6275	4.6775	1.2324	-0.0022	5.9077
64	77.4	78.7	2.822	1.8009	-0.0017	4.6213	4.7471	1.251	-0.0011	5.997
65	77.8	80.9	2.8152	1.7994	-0.0016	4.6131	4.8168	1.2661	-0.0023	6.0807

66	82.7	83.3	2.8079	1.798	-0.0015	4.6043	4.9007	1.2761	-0.0015	6.1754
67	83.6	85.6	2.7996	1.7963	-0.0015	4.5944	4.9618	1.2896	-0.0022	6.2492
68	84.9	87.8	2.7914	1.795	-0.0015	4.5849	5.0415	1.2982	-0.0018	6.3379
69	95	90	2.7829	1.7936	-0.0016	4.5749	5.1189	1.3081	-0.0023	6.4247
70	98.6	91.8	2.7751	1.7913	-0.0015	4.5648	5.1997	1.3186	-0.0028	6.5156
71	102	93.6	2.7674	1.7902	-0.0014	4.5562	5.267	1.3287	-0.0045	6.5913
72	101	95.4	2.7611	1.7888	-0.0014	4.5485	5.3327	1.33	-0.0042	6.6585
73	96.9	97.3	2.7532	1.7877	-0.0012	4.5396	5.3611	1.3465	-0.005	6.7027
74	98	99.2	2.7481	1.7864	-0.0014	4.5331	5.4068	1.3587	-0.0043	6.7612
75	105	101	2.7413	1.7847	-0.0015	4.5245	5.4506	1.3597	-0.0051	6.8052
76	107	102	2.7348	1.7834	-0.0016	4.5166	5.4934	1.3672	-0.0067	6.8539
77	105	103	2.7281	1.7823	-0.0015	4.509	5.5466	1.3792	-0.0083	6.9175
78	107	104	2.724	1.7809	-0.0013	4.5035	5.6045	1.3881	-0.0073	6.9853
79	107	105	2.7215	1.779	-0.0014	4.4992	5.6867	1.3927	-0.0069	7.0726
80	104	106	2.7173	1.7777	-0.0014	4.4936	5.7617	1.4102	-0.0065	7.1655
81	105	106	2.7114	1.7765	-0.0013	4.4866	5.8169	1.4245	-0.005	7.2364
82	110	106	2.703	1.7755	-0.0015	4.477	5.8633	1.4364	-0.0053	7.2944
83	114	106	2.6959	1.7745	-0.0017	4.4687	5.9161	1.4476	-0.0082	7.3555
84	107	107	2.6874	1.7731	-0.0018	4.4587	5.9322	1.4551	-0.0073	7.38
85	107	107	2.6805	1.7716	-0.0017	4.4504	5.9628	1.4608	-0.0042	7.4195
86	108	107	2.6745	1.7701	-0.0017	4.4429	5.9991	1.4616	-0.0032	7.4574
87	107	107	2.6693	1.7687	-0.0015	4.4366	6.0278	1.4701	-0.0034	7.4945
88	107	108	2.6617	1.7675	-0.0013	4.4279	6.0519	1.4929	-0.0041	7.5407
89	107	108	2.6544	1.7665	-0.001	4.42	6.086	1.5056	-0.0055	7.586
90	108	108	2.6489	1.7653	-0.0008	4.4134	6.1128	1.5147	-0.0066	7.6209
91	104	109	2.6423	1.764	-0.0009	4.4054	6.1181	1.5264	-0.0077	7.6367
92	103	109	2.6368	1.7621	-0.001	4.3979	6.1561	1.5269	-0.0069	7.6761
93	109	109	2.6294	1.7604	-0.0011	4.3887	6.1838	1.5352	-0.009	7.71
94	108	109	2.6228	1.7589	-0.0011	4.3807	6.2279	1.5454	-0.0102	7.763
95	109	109	2.6157	1.7565	-0.0013	4.371	6.2625	1.5431	-0.0119	7.7938
96	109	109	2.61	1.7549	-0.0013	4.3636	6.3044	1.5487	-0.0104	7.8427
97	109	110	2.6033	1.7535	-0.0013	4.3555	6.3822	1.5521	-0.009	7.9253
98	112	110	2.5976	1.7518	-0.0014	4.348	6.4307	1.5574	-0.008	7.9801
99	114	110	2.5919	1.7506	-0.0014	4.3411	6.4738	1.5673	-0.0084	8.0327
100	110	110	2.5837	1.7493	-0.0013	4.3317	6.5136	1.5649	-0.008	8.0705
101	111	110	2.5766	1.7481	-0.0013	4.3234	6.5502	1.569	-0.0082	8.111
102	114	111	2.569	1.7465	-0.0011	4.3144	6.5394	1.5694	-0.011	8.0978

103	109	111	2.5642	1.7442	-0.001	4.3074	6.5626	1.5624	-0.011	8.114
104	117	112	2.5571	1.7433	-0.0012	4.2992	6.6133	1.5705	-0.0112	8.1726
105	110	112	2.5486	1.7418	-0.0012	4.2891	6.6803	1.5661	-0.0097	8.2368
106	114	112	2.5414	1.7405	-0.0012	4.2807	6.7694	1.5651	-0.0092	8.3253
107	110	112	2.5349	1.7387	-0.0012	4.2724	6.8029	1.5698	-0.0095	8.3632
108	112	112	2.5287	1.7372	-0.0011	4.2648	6.8402	1.564	-0.008	8.3962
109	112	112	2.5217	1.7359	-0.001	4.2566	6.8678	1.5647	-0.0085	8.4241
110	108	112	2.5149	1.7344	-0.001	4.2483	6.9191	1.5751	-0.008	8.4863
111	111	112	2.5085	1.7332	-0.0011	4.2407	6.9603	1.5823	-0.008	8.5346
112	118	112	2.5018	1.7318	-0.0012	4.2324	7.0159	1.5947	-0.007	8.6036
113	112	113	2.4943	1.73	-0.0014	4.2229	7.0466	1.5978	-0.0026	8.6418
114	112	112	2.4867	1.7282	-0.0012	4.2137	7.0857	1.5989	-0.004	8.6806
115	109	112	2.4781	1.7266	-0.0012	4.2035	7.1333	1.608	-0.0057	8.7356
116	112	113	2.4724	1.7248	-0.0012	4.1959	7.1697	1.6091	-0.0046	8.7742
117	111	113	2.4648	1.7235	-0.0014	4.1869	7.1598	1.6185	-0.0039	8.7745
118	110	113	2.4571	1.7221	-0.0014	4.1778	7.1519	1.6143	-0.0021	8.7641
119	113	113	2.4488	1.7207	-0.0013	4.1682	7.1573	1.6204	-0.0019	8.7757
120	112	114	2.4416	1.7191	-0.0012	4.1595	7.1563	1.6264	-0.0049	8.7778
121	121	114	2.4337	1.7181	-0.0012	4.1506	7.1791	1.6263	-0.0052	8.8003
122	116	114	2.4285	1.7163	-0.0011	4.1437	7.1804	1.6388	-0.0048	8.8144
123	113	114	2.4213	1.7146	-0.0012	4.1347	7.2316	1.6414	-0.0058	8.8672
124	111	115	2.4145	1.7137	-0.0012	4.127	7.2439	1.6514	-0.0062	8.8891
125	117	115	2.4086	1.712	-0.0011	4.1195	7.2862	1.6471	-0.0081	8.9252
126	112	116	2.4028	1.7102	-0.001	4.112	7.301	1.6526	-0.0083	8.9453
127	115	117	2.3967	1.7087	-0.0011	4.1043	7.3201	1.6595	-0.0096	8.9701
128	118	117	2.3886	1.7069	-0.0012	4.0943	7.3378	1.6654	-0.0095	8.9937
129	117	117	2.3806	1.7046	-0.0012	4.084	7.3898	1.6726	-0.0085	9.0539
130	116	118	2.3738	1.7025	-0.0012	4.075	7.4511	1.6774	-0.0097	9.1188
131	119	118	2.3667	1.7003	-0.0012	4.0658	7.5197	1.6867	-0.01	9.1964
132	118	119	2.358	1.6986	-0.0011	4.0555	7.5586	1.6977	-0.0085	9.2478
133	125	119	2.354	1.6969	-0.0012	4.0497	7.565	1.7029	-0.0122	9.2557
134	118	120	2.3477	1.6949	-0.0013	4.0413	7.6115	1.7212	-0.0168	9.3159
135	126	120	2.3406	1.6935	-0.0013	4.0328	7.6079	1.7185	-0.0159	9.3104
136	118	121	2.333	1.6915	-0.0012	4.0233	7.6313	1.7239	-0.0121	9.343
137	118	122	2.3254	1.6892	-0.0012	4.0134	7.6859	1.7306	-0.0106	9.4058
138	120	122	2.3172	1.6877	-0.001	4.0038	7.7565	1.7364	-0.0101	9.4828
139	122	123	2.311	1.686	-0.0009	3.996	7.7882	1.7574	-0.0082	9.5373

140	123	123	2.3054	1.6841	-0.0008	3.9886	7.8201	1.7683	-0.0059	9.5824
141	128	124	2.2978	1.6828	-0.0007	3.9799	7.8793	1.7736	-0.0036	9.6493
142	126	125	2.2923	1.6808	-0.0007	3.9724	7.9224	1.7873	-0.0032	9.7065
143	126	125	2.2852	1.6793	-0.0006	3.9639	7.9809	1.7926	-0.0047	9.7688
144	122	125	2.2794	1.6781	-0.0005	3.957	8.0338	1.8113	-0.0077	9.8375
145	124	125	2.2739	1.6764	-0.0006	3.9497	8.0649	1.8151	-0.0066	9.8735
146	127	126	2.2654	1.6749	-0.0007	3.9397	8.1105	1.8055	-0.01	9.906
147	128	127	2.2579	1.6731	-0.0007	3.9302	8.1814	1.8155	-0.0099	9.987
148	128	127	2.2502	1.671	-0.0008	3.9203	8.2128	1.823	-0.0102	10.0256
149	130	128	2.2424	1.6693	-0.0007	3.911	8.2836	1.8274	-0.0137	10.0974
150	131	128	2.2351	1.6675	-0.0008	3.9019	8.3679	1.8321	-0.0141	10.1859
151	132	128	2.2298	1.6664	-0.0008	3.8954	8.4074	1.8406	-0.0123	10.2358
152	129	129	2.2222	1.6654	-0.0008	3.8867	8.4473	1.8512	-0.0108	10.2877
153	122	130	2.2128	1.6637	-0.0008	3.8757	8.5003	1.8501	-0.0081	10.3422
154	130	130	2.2018	1.6618	-0.001	3.8626	8.5604	1.8526	-0.0063	10.4067
155	129	131	2.188	1.6597	-0.001	3.8466	8.5995	1.8545	-0.0071	10.4469
156	129	132	2.1793	1.6576	-0.0012	3.8357	8.6617	1.8588	-0.0071	10.5134
157	135	133	2.1701	1.6556	-0.0013	3.8244	8.6698	1.8711	-0.0102	10.5306
158	128	134	2.1615	1.6541	-0.0013	3.8144	8.7153	1.8737	-0.0122	10.5768
159	132	134	2.1534	1.6516	-0.001	3.804	8.7673	1.876	-0.0115	10.6318
160	135	135	2.1443	1.6497	-0.0009	3.7931	8.8154	1.8845	-0.0092	10.6907
161	136	135	2.1359	1.6467	-0.0009	3.7817	8.8647	1.888	-0.0095	10.7432
162	142	136	2.1277	1.645	-0.0013	3.7715	8.9254	1.8967	-0.0098	10.8122
163	133	137	2.1179	1.6428	-0.0013	3.7594	8.9795	1.9	-0.0109	10.8686
164	138	139	2.1087	1.6401	-0.0011	3.7477	9.0324	1.8988	-0.0129	10.9183
165	145	140	2.0983	1.6385	-0.0011	3.7356	9.0502	1.9037	-0.0101	10.9437
166	142	140	2.0919	1.6361	-0.0012	3.7269	9.0627	1.9146	-0.009	10.9683
167	140	141	2.0844	1.6349	-0.0013	3.718	9.1136	1.9108	-0.0074	11.0169
168	138	142	2.0757	1.6329	-0.0013	3.7073	9.1234	1.9215	-0.0097	11.0352
169	144	143	2.0673	1.631	-0.0011	3.6971	9.1749	1.9237	-0.0097	11.0889
170	143	144	2.0571	1.6287	-0.001	3.6848	9.1921	1.9299	-0.0094	11.1127
171	147	145	2.0494	1.6263	-0.0009	3.6748	9.2302	1.9364	-0.0067	11.1599
172	144	146	2.0379	1.6247	-0.0008	3.6618	9.2612	1.9447	-0.0053	11.2006
173	153	146	2.0288	1.6226	-0.0006	3.6507	9.3236	1.9448	-0.0047	11.2638
174	145	147	2.0195	1.6217	-0.0006	3.6406	9.3765	1.9484	-0.0039	11.3211
175	144	148	2.0112	1.6195	-0.0007	3.63	9.4149	1.9615	-0.0029	11.3736
176	151	148	2.0028	1.6174	-0.0006	3.6196	9.4844	1.9617	-0.0018	11.4443

177	147	149	1.9943	1.6158	-0.0005	3.6096	9.5666	1.9525	-0.0017	11.5175
178	150	150	1.985	1.6136	-0.0005	3.5981	9.6374	1.9527	-0.0057	11.5843
179	154	150	1.9764	1.6113	-0.0004	3.5873	9.6912	1.9506	-0.0065	11.6352
180	152	151	1.9653	1.609	-0.0004	3.5739	9.7436	1.9476	-0.0049	11.6863
181	155	152	1.9555	1.6067	-0.0005	3.5618	9.7926	1.9445	-0.0056	11.7315
182	147	153	1.9465	1.6052	-0.0003	3.5515	9.805	1.9382	-0.0035	11.7397
183	151	153	1.9348	1.6023	0	3.5371	9.7984	1.9425	-0.0017	11.7392
184	158	154	1.9266	1.6013	-0.0002	3.5277	9.8616	1.9515	-0.0037	11.8094
185	149	155	1.9174	1.5992	-0.0005	3.5161	9.8926	1.9464	-0.0089	11.8302
186	156	156	1.9059	1.597	-0.0007	3.5023	9.9032	1.9509	-0.008	11.846
187	156	157	1.8937	1.5951	-0.0005	3.4883	9.9501	1.9539	-0.006	11.8979
188	156	158	1.8828	1.5918	-0.0005	3.4742	9.9602	1.9491	-0.0088	11.9006
189	158	159	1.8724	1.5897	-0.0004	3.4617	9.9994	1.9479	-0.0111	11.9362
190	163	159	1.861	1.588	-0.0005	3.4485	10.0512	1.9495	-0.0129	11.9878
191	160	160	1.85	1.5853	-0.0006	3.4347	10.1062	1.9473	-0.0103	12.0431
192	164	161	1.8387	1.5828	-0.0005	3.421	10.1337	1.9511	-0.0084	12.0764
193	164	163	1.826	1.5792	-0.0003	3.4049	10.1927	1.9486	-0.0065	12.1348
194	162	164	1.8163	1.5774	-0.0004	3.3933	10.2314	1.9538	-0.0038	12.1814
195	165	166	1.8047	1.576	-0.0003	3.3804	10.2629	1.9665	-0.0028	12.2267
196	161	167	1.7918	1.5734	-0.0003	3.3649	10.308	1.966	-0.0058	12.2682
197	164	168	1.782	1.5712	-0.0003	3.3529	10.2943	1.9675	-0.0044	12.2574
198	171	170	1.7692	1.5691	0	3.3383	10.3122	1.9743	-0.0063	12.2801
199	167	171	1.7551	1.5673	0	3.3225	10.3092	1.9757	-0.0071	12.2779
200	164	173	1.743	1.5652	-0.0001	3.3081	10.3156	1.9854	-0.0074	12.2935
201	174	175	1.7318	1.563	-0.0002	3.2946	10.3184	1.9889	-0.0077	12.2997
202	180	176	1.7189	1.5615	-0.0003	3.2801	10.3406	1.9911	-0.0077	12.324
203	179	178	1.7082	1.5589	-0.0004	3.2667	10.3346	2.0045	-0.0062	12.3329
204	181	180	1.6972	1.5578	-0.0005	3.2545	10.2944	2.0113	-0.0045	12.3012
205	175	182	1.6824	1.5559	-0.0005	3.2378	10.2388	2.0083	-0.0042	12.243
206	185	184	1.6744	1.5533	-0.0002	3.2276	10.1493	2.0027	-0.0025	12.1495
207	190	187	1.6634	1.5513	0	3.2147	10.1207	2.0025	-0.0036	12.1197
208	188	188	1.652	1.5496	0	3.2016	10.0732	2.0033	-0.0081	12.0684
209	189	189	1.6402	1.5474	-0.0001	3.1875	10.0041	2.0105	-0.0075	12.0071
210	193	191	1.6285	1.5456	0	3.174	9.9872	2.001	-0.0038	11.9844
211	199	193	1.616	1.5435	-0.0001	3.1595	9.9552	2.0037	-0.003	11.9559
212	200	194	1.6038	1.5418	-0.0001	3.1456	9.9207	1.9899	-0.003	11.9075
213	203	195	1.5911	1.5401	-0.0001	3.1311	9.891	1.9849	-0.007	11.869

214	198	197	1.5817	1.5378	-0.0002	3.1193	9.8873	1.9821	-0.031	11.8384
215	202	198	1.5718	1.5351	-0.0003	3.1067	9.888	1.9727	-0.0581	11.8026
216	208	199	1.561	1.5337	-0.0005	3.0943	9.869	1.9713	-0.0577	11.7826
217	193	200	1.5525	1.5313	-0.0004	3.0834	9.8794	1.9704	-0.0576	11.7922
218	199	201	1.5396	1.5297	-0.0005	3.0689	9.879	1.9774	-0.0594	11.7971
219	201	202	1.5295	1.5277	-0.0004	3.0569	9.8447	1.9681	-0.0582	11.7546
220	206	203	1.5186	1.5254	-0.0005	3.0435	9.8272	1.9618	-0.0558	11.7332
221	204	204	1.5076	1.5237	-0.0007	3.0306	9.7701	1.9494	-0.0559	11.6635
222	201	204	1.4961	1.5218	-0.0006	3.0173	9.745	1.9437	-0.0541	11.6347
223	205	205	1.4836	1.5198	-0.0008	3.0026	9.6671	1.9488	-0.0516	11.5643
224	193	205	1.473	1.5176	-0.0009	2.9896	9.613	1.9532	-0.0477	11.5185
225	201	206	1.4602	1.5158	-0.0009	2.9751	9.5469	1.9642	-0.0471	11.464
226	215	206	1.4461	1.515	-0.0008	2.9603	9.5028	1.9556	-0.0485	11.4099
227	214	208	1.433	1.5134	-0.0005	2.9459	9.4566	1.9563	-0.0484	11.3644
228	201	209	1.4195	1.5118	-0.0005	2.9308	9.3996	1.958	-0.0448	11.3127
229	208	210	1.4062	1.5098	-0.0007	2.9153	9.3387	1.9551	-0.0419	11.2519
230	217	211	1.3945	1.508	-0.0006	2.9019	9.2738	1.9504	-0.0428	11.1814
231	211	212	1.3862	1.5065	-0.0008	2.8919	9.1904	1.9497	-0.041	11.099
232	213	213	1.3782	1.5043	-0.0009	2.8816	9.1057	1.9406	-0.0419	11.0045
233	205	214	1.3678	1.5018	-0.0008	2.8688	9.0237	1.9365	-0.0413	10.9189
234	215	215	1.3585	1.5003	-0.0004	2.8583	8.922	1.9247	-0.0367	10.81
235	221	216	1.3503	1.4984	-0.0005	2.8482	8.851	1.9302	-0.0373	10.7438
236	220	216	1.338	1.4961	-0.0006	2.8335	8.7793	1.9285	-0.0416	10.6662
237	224	216	1.3294	1.4943	-0.0003	2.8234	8.6896	1.9261	-0.0465	10.5692
238	222	217	1.3172	1.4929	0.0001	2.8102	8.5899	1.92	-0.0694	10.4405
239	222	217	1.3058	1.4911	0.0004	2.7972	8.5142	1.8994	-0.0814	10.3321
240	220	217	1.2948	1.4893	0.0002	2.7843	8.4434	1.8982	-0.0793	10.2622
241	222	217	1.2844	1.4877	0.0001	2.7722	8.3695	1.8953	-0.0777	10.187
242	223	217	1.273	1.486	0	2.7589	8.2925	1.8823	-0.0777	10.0971
243	215	217	1.262	1.484	-0.0002	2.7458	8.2097	1.8782	-0.0752	10.0127
244	219	216	1.2531	1.4814	-0.0002	2.7343	8.1065	1.8566	-0.0726	9.8904
245	212	215	1.2431	1.4798	0	2.7228	8.0314	1.8553	-0.0713	9.8155
246	211	215	1.236	1.4782	-0.0003	2.7139	7.9217	1.8536	-0.0706	9.7047
247	219	213	1.2267	1.4756	-0.0001	2.7022	7.8049	1.8384	-0.0691	9.5742
248	215	212	1.2192	1.4734	-0.0001	2.6925	7.732	1.8299	-0.0701	9.4918
249	215	210	1.2109	1.4707	0	2.6816	7.6317	1.8277	-0.0683	9.391
250	218	208	1.2033	1.4686	0	2.6719	7.5019	1.8214	-0.0663	9.2571

251	208	207	1.1957	1.4673	0	2.663	7.3775	1.8156	-0.0644	9.1287
252	199	205	1.1887	1.4649	-0.0002	2.6534	7.2539	1.804	-0.0681	8.9898
253	198	203	1.1834	1.4625	-0.0004	2.6455	7.1235	1.808	-0.068	8.8635
254	210	201	1.1779	1.4609	-0.0006	2.6383	7.0379	1.7907	-0.0689	8.7597
255	210	199	1.173	1.4594	-0.0008	2.6317	6.9683	1.7789	-0.0728	8.6743
256	197	197	1.1672	1.4573	-0.0008	2.6238	6.848	1.7751	-0.0774	8.5457
257	194	195	1.1627	1.4553	-0.0005	2.6175	6.7885	1.763	-0.0714	8.4802
258	187	192	1.1611	1.4531	-0.0005	2.6137	6.7231	1.7594	-0.0668	8.4157
259	188	190	1.1547	1.4515	-0.0006	2.6056	6.6459	1.7561	-0.0712	8.3308
260	189	187	1.1487	1.4493	-0.0006	2.5975	6.5305	1.7488	-0.0785	8.2008
261	186	184	1.1439	1.4477	-0.0006	2.591	6.4347	1.7417	-0.0795	8.0969
262	180	182	1.1386	1.4465	-0.0006	2.5846	6.3398	1.7308	-0.0807	7.9898
263	178	180	1.1292	1.4445	0.0018	2.5756	6.2579	1.7248	-0.0843	7.8984
264	179	177	1.1199	1.4429	0.0047	2.5674	6.1522	1.7179	-0.0841	7.786
265	172	174	1.1114	1.4413	0.0047	2.5574	6.0738	1.7118	-0.0849	7.7007
266	173	171	1.104	1.4391	0.0046	2.5477	6.0111	1.6919	-0.0837	7.6194
267	169	169	1.0965	1.4372	0.0046	2.5383	5.9474	1.6967	-0.0831	7.561
268	164	167	1.0912	1.4361	0.0045	2.5318	5.8807	1.6843	-0.0823	7.4827
269	163	164	1.0845	1.4348	0.0045	2.5238	5.765	1.6794	-0.0808	7.3637
270	165	162	1.0801	1.4337	0.0046	2.5185	5.6751	1.6762	-0.0808	7.2705
271	163	159	1.0749	1.4319	0.0045	2.5113	5.5684	1.6682	-0.0848	7.1518
272	156	157	1.0712	1.4298	0.0044	2.5054	5.4655	1.6637	-0.0885	7.0407
273	149	154	1.0675	1.4272	0.0042	2.4989	5.3683	1.6618	-0.0877	6.9424
274	148	152	1.0648	1.4253	0.0041	2.4942	5.2531	1.6539	-0.0876	6.8194
275	151	149	1.0609	1.4239	0.0042	2.489	5.1364	1.6428	-0.0871	6.6921
276	148	147	1.0571	1.4218	0.0042	2.4831	5.0115	1.6333	-0.086	6.5587
277	145	144	1.0544	1.42	0.004	2.4783	4.932	1.6463	-0.1316	6.4467
278	142	142	1.0511	1.4181	0.0037	2.4729	4.8595	1.6398	-0.1758	6.3235
279	142	140	1.0491	1.4162	0.0039	2.4692	4.755	1.6424	-0.1752	6.2223
280	136	137	1.0463	1.414	0.0037	2.464	4.6435	1.6306	-0.1754	6.0988
281	133	135	1.045	1.4127	0.0037	2.4613	4.5417	1.6248	-0.174	5.9926
282	134	132	1.0442	1.4115	0.0039	2.4596	4.4728	1.6185	-0.1749	5.9164
283	128	130	1.0426	1.4099	0.0036	2.4561	4.4333	1.6068	-0.1754	5.8648
284	127	129	1.0415	1.4083	0.0035	2.4533	4.3525	1.5903	-0.175	5.7677
285	124	127	1.0394	1.4064	0.0036	2.4495	4.2718	1.5833	-0.1704	5.6847
286	123	125	1.037	1.4044	0.004	2.4454	4.1921	1.5765	-0.1707	5.5979
287	121	122	1.0347	1.4031	0.0064	2.4442	4.0768	1.5697	-0.1673	5.4791

288	117	120	1.0314	1.4019	0.0077	2.441	4.0242	1.5735	-0.1648	5.4329
289	118	119	1.0281	1.3999	0.0075	2.4355	3.9308	1.5701	-0.1604	5.3405
290	113	117	1.024	1.3984	0.0073	2.4298	3.8283	1.5585	-0.1568	5.23
291	114	115	1.0208	1.397	0.0072	2.425	3.7199	1.5519	-0.1545	5.1174
292	114	113	1.0178	1.395	0.007	2.4198	3.6258	1.5516	-0.1506	5.0268
293	115	111	1.0154	1.3936	0.0069	2.4159	3.5216	1.5483	-0.15	4.9199
294	112	109	1.0132	1.3919	0.0067	2.4118	3.4336	1.5492	-0.1506	4.8323
295	108	107	1.0125	1.3906	0.0068	2.4099	3.3625	1.536	-0.1503	4.7482
296	105	106	1.0113	1.3895	0.0066	2.4075	3.2914	1.5275	-0.1492	4.6697
297	105	104	1.0088	1.3882	0.0067	2.4037	3.2309	1.5182	-0.1525	4.5966
298	105	103	1.0061	1.3863	0.0068	2.3992	3.1371	1.5099	-0.1539	4.4931
299	97.7	102	1.0049	1.3852	0.0066	2.3968	3.0665	1.4989	-0.1519	4.4135
300	95.4	100	1.0052	1.3837	0.0063	2.3952	2.9926	1.4849	-0.1493	4.3283
301	95.4	99.1	1.0065	1.3826	0.0066	2.3956	2.9432	1.4812	-0.1576	4.2668
302	93.3	97.7	1.0066	1.3807	0.0065	2.3938	2.8677	1.4776	-0.1789	4.1665
303	93.4	96	1.0044	1.3799	0.0065	2.3908	2.7958	1.4624	-0.1771	4.0811
304	93.5	94.6	1.0004	1.3799	0.0068	2.3871	2.7428	1.4509	-0.1783	4.0154
305	95	93.4	0.9976	1.3784	0.0072	2.3832	2.6928	1.4459	-0.1778	3.9609
306	93.1	92.2	0.9956	1.377	0.007	2.3796	2.657	1.4415	-0.1787	3.9198
307	89.1	90.9	0.991	1.3754	0.0067	2.3732	2.6174	1.4343	-0.1783	3.8734
308	91.3	89.5	0.9874	1.374	0.0071	2.3686	2.5829	1.4294	-0.1768	3.8355
309	92.3	88.7	0.9872	1.3725	0.0077	2.3674	2.5786	1.4136	-0.1752	3.8169
310	89	87.9	0.985	1.3714	0.0079	2.3643	2.5189	1.4079	-0.176	3.7508
311	87.5	87	0.982	1.3705	0.008	2.3605	2.5012	1.3943	-0.1728	3.7226
312	83.4	86.3	0.978	1.3693	0.0083	2.3557	2.4775	1.3943	-0.1706	3.7012
313	84.9	85.6	0.9758	1.3683	0.0083	2.3525	2.4551	1.3929	-0.1678	3.6802
314	84	84.8	0.9743	1.3666	0.0083	2.3492	2.3848	1.3878	-0.1402	3.6324
315	82.7	84	0.9707	1.366	0.0081	2.3448	2.3091	1.3899	-0.1065	3.5925
316	80.8	83.2	0.9663	1.364	0.0078	2.3382	2.237	1.3873	-0.1064	3.518
317	79.5	82.5	0.9644	1.3629	0.0078	2.3351	2.1745	1.3785	-0.1042	3.4489
318	82	81.7	0.9631	1.3618	0.0076	2.3325	2.1051	1.3769	-0.1049	3.3771
319	80.7	81	0.962	1.3601	0.0077	2.3298	2.0701	1.3775	-0.1052	3.3423
320	77.7	80.4	0.9618	1.3586	0.008	2.3284	2.0019	1.379	-0.1068	3.2741
321	79.9	79.8	0.961	1.3573	0.0082	2.3265	1.9584	1.3759	-0.1071	3.2272
322	79.9	79.3	0.9593	1.3557	0.0081	2.3231	1.9244	1.3682	-0.111	3.1816
323	78.3	78.8	0.9583	1.3544	0.0079	2.3206	1.9056	1.3621	-0.1095	3.1582
324	79.9	78.3	0.9593	1.3533	0.0078	2.3204	1.8821	1.3577	-0.1053	3.1345

325	77.5	77.9	0.959	1.3525	0.0077	2.3192	1.8658	1.3581	-0.0989	3.125
326	75.8	77.5	0.9529	1.3503	0.0124	2.3156	1.8249	1.3666	-0.0883	3.1032
327	76.9	77.3	0.947	1.3494	0.0171	2.3135	1.7851	1.3554	-0.0835	3.057
328	78.7	76.9	0.944	1.3476	0.017	2.3085	1.7789	1.348	-0.0876	3.0394
329	77.4	76.6	0.9419	1.3467	0.0169	2.3055	1.7771	1.3476	-0.0944	3.0303
330	76.4	76.4	0.9403	1.3455	0.0168	2.3026	1.8098	1.3378	-0.1474	3.0003
331	74.1	76.2	0.9389	1.3447	0.0166	2.3002	1.833	1.3214	-0.1568	2.9976
332	74.1	75.9	0.9349	1.3436	0.0166	2.2951	1.8166	1.3101	-0.1607	2.966
333	74.5	75.5	0.9326	1.3427	0.0167	2.292	1.7947	1.3019	-0.1602	2.9365
334	76.4	75.2	0.9313	1.3419	0.0166	2.2898	1.7795	1.2979	-0.1592	2.9182
335	72.6	75	0.9311	1.3408	0.0166	2.2884	1.761	1.2892	-0.1581	2.8921
336	76.1	74.6	0.9303	1.3392	0.0161	2.2856	1.7378	1.2849	-0.1555	2.8672
337	73.9	74.3	0.927	1.3369	0.0162	2.2801	1.715	1.2783	-0.1486	2.8447
338	75.5	73.7	0.9242	1.3359	0.0161	2.2761	1.6985	1.2804	-0.1174	2.8615
339	74.5	73.3	0.923	1.3352	0.016	2.2742	1.6692	1.278	-0.1032	2.844
340	74.6	72.8	0.9228	1.3341	0.0156	2.2725	1.6367	1.2695	-0.1061	2.8001
341	73.9	72.5	0.9218	1.3326	0.0152	2.2696	1.6036	1.2704	-0.1113	2.7627
342	72.4	72.2	0.9209	1.3311	0.015	2.2669	1.5958	1.2653	-0.1121	2.749
343	74	71.7	0.9187	1.329	0.0148	2.2625	1.5848	1.2557	-0.1169	2.7235
344	73.5	71.2	0.9169	1.3278	0.0148	2.2595	1.5712	1.2475	-0.1132	2.7055
345	68.6	71	0.9139	1.327	0.0149	2.2559	1.556	1.2321	-0.1109	2.6772
346	69.8	70.6	0.9129	1.3263	0.015	2.2543	1.5718	1.2258	-0.1074	2.6902
347	66.9	70.3	0.913	1.3246	0.0153	2.2529	1.5969	1.228	-0.109	2.7159
348	70.2	69.8	0.9126	1.3235	0.0151	2.2512	1.5908	1.2274	-0.1067	2.7116
349	66.7	69.4	0.9116	1.3222	0.0149	2.2488	1.5774	1.2187	-0.1052	2.691
350	68.9	69	0.909	1.3205	0.0158	2.2453	1.5814	1.2252	-0.1062	2.7004
351	67.9	68.8	0.909	1.3195	0.0179	2.2463	1.5834	1.2291	-0.1109	2.7016
352	66.3	68.7	0.9091	1.3187	0.0175	2.2453	1.5962	1.2283	-0.1091	2.7153
353	65.7	68.5	0.9091	1.3174	0.0175	2.244	1.6274	1.2124	-0.109	2.7308
354	69.4	68.4	0.9086	1.3163	0.0172	2.2422	1.6119	1.2124	-0.1058	2.7186
355	68.3	68.5	0.9073	1.3153	0.0171	2.2397	1.579	1.2213	-0.1001	2.7002
356	68.3	68.6	0.9055	1.3139	0.017	2.2364	1.5756	1.22	-0.0953	2.7003
357	66.9	68.8	0.9045	1.3124	0.0172	2.234	1.5881	1.221	-0.0968	2.7123
358	65.2	68.8	0.9032	1.3117	0.017	2.232	1.5696	1.2145	-0.0997	2.6843
359	68	68.9	0.9028	1.3107	0.017	2.2305	1.5544	1.2097	-0.1009	2.6632
360	70.7	68.8	0.8986	1.3099	0.0167	2.2252	1.5573	1.2077	-0.0965	2.6686
361	69.4	68.7	0.8961	1.3083	0.0165	2.2208	1.5486	1.2028	-0.0919	2.6595

362	71.1	68.9	0.8931	1.3072	0.0162	2.2165	1.544	1.2006	-0.095	2.6495
363	71.9	69	0.8907	1.3058	0.0158	2.2123	1.5129	1.1999	-0.0927	2.6202
364	70.2	69	0.889	1.3039	0.0154	2.2082	1.5092	1.1957	-0.0919	2.613
365	71.7	68.9	0.8877	1.3026	0.0153	2.2056	1.5013	1.1834	-0.0903	2.5944
366	70.9	68.8	0.8865	1.3012	0.015	2.2028	1.4863	1.1834	-0.0956	2.574
367	68.9	68.7	0.886	1.2995	0.0151	2.2006	1.4587	1.1732	-0.1003	2.5316
368	69.3	68.7	0.8842	1.2984	0.015	2.1976	1.4519	1.1675	-0.1014	2.518
369	66.3	68.6	0.8843	1.2969	0.0152	2.1964	1.4568	1.161	-0.1012	2.5166
370	67.1	68.3	0.8843	1.2961	0.0153	2.1957	1.463	1.156	-0.0982	2.5208
371	70.7	68	0.8824	1.2951	0.0156	2.1931	1.4764	1.1485	-0.0964	2.5286
372	67.4	67.6	0.8807	1.2936	0.0153	2.1896	1.489	1.1434	-0.095	2.5374
373	68.6	67.3	0.8793	1.2915	0.0147	2.1854	1.481	1.1366	-0.0973	2.5203
374	66.9	67	0.8782	1.2895	0.014	2.1817	1.4712	1.1372	-0.1014	2.5071
375	65.6	66.8	0.8784	1.2873	0.013	2.1787	1.5074	1.1405	-0.1039	2.5441
376	64.8	66.6	0.8786	1.2863	0.0125	2.1774	1.5309	1.1491	-0.105	2.575
377	66	66.5	0.8765	1.2852	0.0127	2.1744	1.4846	1.137	-0.0578	2.5638
378	66.3	66.3	0.8734	1.2833	0.0132	2.1699	1.4247	1.1438	-0.0076	2.561
379	65.2	66.2	0.8681	1.2824	0.0186	2.1691	1.3812	1.1438	-0.0069	2.5182
380	63.1	66.1	0.863	1.2819	0.0194	2.1643	1.3535	1.1428	-0.0083	2.488
381	63.1	65.8	0.8633	1.2817	0.0198	2.1647	1.3393	1.1363	-0.0104	2.4652
382	67.1	65.8	0.8647	1.2814	0.0199	2.1659	1.326	1.1379	-0.0116	2.4523
383	64.8	65.6	0.8646	1.2801	0.0196	2.1643	1.2915	1.1393	-0.0113	2.4196
384	67	65.6	0.8654	1.2793	0.0193	2.1641	1.2784	1.1362	-0.0086	2.4059
385	67.9	65.6	0.8657	1.2779	0.0192	2.1628	1.2843	1.1318	-0.0069	2.4091
386	67	65.7	0.8655	1.2766	0.0188	2.1609	1.2919	1.1255	-0.008	2.4094
387	65	65.7	0.8649	1.2751	0.0182	2.1581	1.2972	1.1354	-0.0128	2.4198
388	63.5	65.6	0.8645	1.2741	0.018	2.1566	1.2597	1.1175	-0.014	2.3632
389	65.3	65.4	0.8644	1.2729	0.0181	2.1555	1.2321	1.1209	-0.0134	2.3396
390	65.2	65.3	0.8637	1.2714	0.0184	2.1535	1.2353	1.1262	-0.0098	2.3518
391	66.9	65.2	0.8612	1.2705	0.0184	2.1501	1.2473	1.1244	-0.0115	2.3602
392	66.4	64.9	0.8593	1.2694	0.0187	2.1474	1.2486	1.1178	-0.0146	2.3517
393	67	64.5	0.8582	1.2688	0.0183	2.1453	1.2535	1.1106	-0.0172	2.3469
394	65	64.3	0.8576	1.2687	0.0178	2.144	1.2398	1.095	-0.0186	2.3162
395	67.1	63.9	0.8553	1.268	0.0175	2.1409	1.2254	1.0991	-0.0199	2.3046
396	65.8	63.5	0.8516	1.2667	0.0175	2.1359	1.1984	1.095	-0.0172	2.2761
397	63.9	63.3	0.8497	1.2655	0.0174	2.1326	1.1993	1.0996	-0.0171	2.2817
398	61.9	63.2	0.8483	1.2645	0.0173	2.1301	1.2131	1.0911	-0.0138	2.2903

399	61.1	63	0.8468	1.2627	0.0173	2.1267	1.2274	1.0896	-0.0154	2.3016
400	61.3	62.8	0.8469	1.2607	0.0174	2.1251	1.2338	1.0816	-0.02	2.2954
401	60.6	62.5	0.8468	1.2598	0.0175	2.1241	1.2188	1.0755	-0.0104	2.2838
402	57.8	62.2	0.8439	1.2595	0.0174	2.1207	1.2301	1.0725	0.0111	2.3137
403	61.9	61.9	0.8432	1.2586	0.0171	2.1189	1.244	1.0756	0.009	2.3285
404	60.9	61.6	0.8424	1.2578	0.0168	2.117	1.2609	1.0715	0.0102	2.3427
405	60.6	61.2	0.84	1.2564	0.0168	2.1132	1.268	1.0751	0.0105	2.3536
406	60.9	60.8	0.8368	1.2549	0.0166	2.1083	1.2683	1.0736	0.0109	2.3528
407	61.5	60.6	0.8341	1.254	0.0167	2.1047	1.2687	1.0707	0.0094	2.3488
408	61.4	60.5	0.832	1.253	0.0172	2.1022	1.2885	1.0666	0.0123	2.3675
409	61.6	60.4	0.8314	1.2518	0.0174	2.1006	1.3005	1.0732	0.0097	2.3834
410	61.2	60.3	0.8301	1.2511	0.0171	2.0983	1.3067	1.0791	0.0122	2.3981
411	60.6	60.4	0.8276	1.2504	0.0175	2.0955	1.2848	1.079	0.0106	2.3744
412	61.9	60.5	0.8267	1.2494	0.0176	2.0937	1.2733	1.0719	0.0056	2.3508
413	57.8	60.3	0.8249	1.2488	0.0175	2.0912	1.2672	1.0707	0.0028	2.3407
414	60.9	60.2	0.8241	1.2483	0.0173	2.0898	1.2799	1.0651	-0.0056	2.3393
415	57.8	60	0.8221	1.2476	0.0176	2.0874	1.2847	1.0529	-0.0226	2.315
416	59.6	59.7	0.8204	1.2467	0.0179	2.085	1.2737	1.053	-0.0241	2.3026
417	59.2	59.5	0.8192	1.2462	0.018	2.0833	1.272	1.0485	-0.0268	2.2937
418	59.4	59.4	0.8174	1.2457	0.0177	2.0809	1.2835	1.0419	-0.0269	2.2985
419	60	59.2	0.8157	1.2445	0.0175	2.0778	1.2716	1.0416	-0.0251	2.2881
420	61.9	59.1	0.8141	1.2438	0.0176	2.0755	1.2922	1.0342	-0.0206	2.3058
421	60.3	58.9	0.8121	1.243	0.0177	2.0728	1.3115	1.0358	-0.0191	2.3281
422	59.1	58.8	0.8112	1.242	0.0179	2.0711	1.3018	1.0365	-0.0196	2.3186
423	57.8	58.8	0.8112	1.2407	0.0181	2.0699	1.2909	1.0309	-0.0235	2.2984
424	57.2	58.6	0.8086	1.2392	0.0182	2.066	1.2832	1.0205	-0.0291	2.2747
425	55.8	58.5	0.8059	1.2376	0.0182	2.0617	1.2847	1.0122	-0.0368	2.2602
426	57.8	58.4	0.8044	1.2366	0.0181	2.0592	1.3003	1.0015	-0.0455	2.2563
427	58	58.2	0.8045	1.235	0.0178	2.0574	1.3151	0.9998	-0.0495	2.2654
428	58.7	58.1	0.8059	1.2332	0.0177	2.0567	1.298	1.0045	-0.0456	2.2569
429	58.6	57.9	0.8065	1.2325	0.0177	2.0567	1.279	0.9975	-0.0401	2.2364
430	57.8	57.7	0.8064	1.2319	0.0178	2.0561	1.2378	1.0005	0.016	2.2543
431	59.2	57.6	0.8063	1.2309	0.0178	2.055	1.2108	1.0038	0.0274	2.242
432	58.6	57.5	0.8057	1.2297	0.0177	2.0531	1.2293	1.0175	0.0342	2.2809
433	57	57.4	0.8048	1.2291	0.0175	2.0514	1.2519	1.0216	0.0378	2.3112
434	56.1	57.5	0.8028	1.2288	0.0173	2.0489	1.2519	1.0184	0.0351	2.3054
435	56.2	57.6	0.8019	1.2282	0.0174	2.0475	1.2664	1.0269	0.0337	2.3269

436	55.9	57.7	0.8005	1.2256	0.0174	2.0436	1.2801	1.0285	0.0343	2.3429
437	57.7	57.8	0.801	1.2252	0.0176	2.0438	1.2786	1.0302	0.0314	2.3401
438	55.7	57.6	0.8009	1.2238	0.0174	2.0422	1.2684	1.023	0.0272	2.3186
439	58	57.6	0.7995	1.2226	0.017	2.0391	1.2816	1.0212	0.0286	2.3314
440	58.5	57.6	0.798	1.2217	0.0168	2.0365	1.3036	1.0226	0.0285	2.3547
441	56.9	57.6	0.797	1.2208	0.0166	2.0344	1.304	1.0142	0.0324	2.3506
442	56.6	57.7	0.7955	1.2201	0.0167	2.0323	1.2868	1.0163	0.0308	2.3339
443	58.5	57.7	0.7947	1.2195	0.0167	2.0309	1.2666	1.0195	0.0317	2.3178
444	59.1	57.7	0.7943	1.2179	0.0168	2.029	1.2564	1.0302	0.0272	2.3139
445	59.2	57.8	0.7941	1.2175	0.0166	2.0282	1.2592	1.0439	0.025	2.3281
446	59	58	0.793	1.2164	0.0167	2.0261	1.2484	1.0484	0.0261	2.323
447	56.4	58	0.7917	1.2155	0.0167	2.0239	1.2117	1.0473	0.0271	2.2862
448	57.7	58.2	0.7898	1.2146	0.0166	2.021	1.1942	1.048	0.0231	2.2653
449	58.3	58.2	0.7882	1.2141	0.0169	2.0192	1.19	1.0443	0.0198	2.2541
450	58.4	58.2	0.7871	1.213	0.0168	2.0169	1.1819	1.0334	0.0108	2.2262
451	60.6	58.3	0.786	1.2123	0.0167	2.015	1.1906	1.0303	0.0075	2.2283
452	57.9	58.4	0.7847	1.2111	0.0166	2.0125	1.201	1.0262	0.0091	2.2364
453	56.6	58.3	0.783	1.2103	0.0165	2.0097	1.1878	1.0274	0.0099	2.2251
454	58.2	58.2	0.7818	1.2088	0.0162	2.0068	1.2154	1.0226	0.0054	2.2434
455	58	58.1	0.7805	1.2079	0.016	2.0044	1.2181	1.0224	0.001	2.2415
456	59.5	57.9	0.7786	1.2068	0.0161	2.0016	1.1963	1.0202	0.0029	2.2194
457	59.5	58.1	0.7756	1.2057	0.0159	1.9972	1.1732	1.0245	0.0048	2.2026
458	57.2	57.9	0.7732	1.2044	0.0161	1.9936	1.182	1.0267	0.0045	2.2133
459	58.8	57.8	0.7721	1.2028	0.0158	1.9907	1.1967	1.0268	0.005	2.2284
460	58.4	57.7	0.7701	1.202	0.0156	1.9878	1.2071	1.0235	0.0095	2.2401
461	58.6	57.4	0.7688	1.2011	0.0159	1.9858	1.2129	1.0307	0.007	2.2506
462	56.9	57.5	0.7664	1.2001	0.0159	1.9825	1.2	1.0421	0.0117	2.2539
463	56.5	57.6	0.7627	1.1993	0.0164	1.9784	1.2006	1.0435	0.0151	2.2591
464	56.9	57.5	0.7605	1.1986	0.0176	1.9767	1.2006	1.0464	0.0149	2.2619
465	56.4	57.4	0.7603	1.1973	0.0177	1.9753	1.1967	1.0503	0.0127	2.2597
466	60	57.3	0.7593	1.1964	0.0177	1.9734	1.1805	1.0497	0.0167	2.2469
467	53.1	57	0.7577	1.1953	0.0178	1.9707	1.1591	1.0521	0.0193	2.2305
468	56.2	56.9	0.757	1.1942	0.0175	1.9688	1.1446	1.0553	0.0226	2.2225
469	56.4	56.7	0.7551	1.1935	0.0172	1.9658	1.1326	1.0597	0.0202	2.2125
470	56	56.5	0.7531	1.1926	0.0172	1.9629	1.1215	1.0578	0.0202	2.1994
471	60	56.4	0.7523	1.1915	0.0175	1.9613	1.1111	1.0636	0.0207	2.1955
472	58.3	56.2	0.7516	1.1905	0.0176	1.9597	1.0875	1.0771	0.0192	2.1838

473	56.3	56	0.7509	1.1894	0.0176	1.958	1.0908	1.0755	0.0197	2.1859
474	56	55.9	0.7498	1.1882	0.0177	1.9557	1.1069	1.076	0.0231	2.2059
475	56.6	55.8	0.7484	1.1871	0.0175	1.953	1.0919	1.0719	0.0275	2.1913
476	54	55.6	0.7471	1.1863	0.0175	1.9509	1.076	1.0623	0.0303	2.1686
477	55.4	55.7	0.7467	1.1847	0.0173	1.9487	1.0786	1.0645	0.0297	2.1727
478	54.6	55.6	0.7455	1.1836	0.0172	1.9463	1.0812	1.0644	0.0245	2.1701
479	55.3	55.4	0.7443	1.1824	0.017	1.9437	1.0921	1.0575	0.0227	2.1723
480	56.5	55.2	0.7419	1.1815	0.0166	1.9401	1.1035	1.0617	0.0258	2.191
481	53.7	55	0.7404	1.1799	0.0164	1.9366	1.1079	1.0737	0.0302	2.2118
482	52.9	54.8	0.7395	1.1792	0.0161	1.9348	1.1181	1.0731	0.0326	2.2238
483	54.3	54.7	0.7394	1.1782	0.0161	1.9337	1.1313	1.0807	0.0332	2.2452
484	54.4	54.6	0.7388	1.1767	0.016	1.9314	1.1385	1.0957	0.0353	2.2695
485	55.8	54.4	0.7377	1.1751	0.0158	1.9285	1.1236	1.0944	0.0309	2.2488
486	56.4	54.5	0.7376	1.1736	0.0157	1.9269	1.1074	1.1001	0.0292	2.2367
487	54	54.4	0.738	1.1728	0.0155	1.9262	1.1064	1.0796	0.0305	2.2165
488	52.5	54.4	0.7363	1.1719	0.0151	1.9234	1.1231	1.086	0.0319	2.241
489	50.9	54.5	0.7341	1.1707	0.0153	1.92	1.1261	1.0826	0.0279	2.2366
490	56.4	54.3	0.7333	1.17	0.0152	1.9184	1.1184	1.0797	0.0215	2.2195
491	54.7	54.3	0.7325	1.1689	0.0153	1.9167	1.104	1.0832	0.0148	2.2021
492	55.1	54.4	0.7326	1.1675	0.0155	1.9156	1.1066	1.0785	0.0099	2.195
493	53.3	54.4	0.7326	1.1658	0.0155	1.914	1.0988	1.0711	0.0097	2.1796
494	54.4	54.2	0.7316	1.1643	0.0153	1.9112	1.1027	1.0704	0.0109	2.184
495	54.5	54	0.7305	1.1632	0.0149	1.9086	1.1291	1.0675	0.0139	2.2105
496	53.6	53.7	0.7305	1.162	0.0148	1.9073	1.147	1.068	0.0131	2.2281
497	54.5	53.5	0.7303	1.1607	0.015	1.906	1.1736	1.0688	0.0154	2.2578
498	56.8	53.4	0.7293	1.16	0.0153	1.9047	1.1863	1.0695	0.0177	2.2735
499	54.4	53.5	0.7286	1.1593	0.0162	1.9041	1.1819	1.0747	0.0218	2.2785
500	53.6	53.2	0.7278	1.1577	0.0167	1.9022	1.1708	1.0891	0.0282	2.2881
501	54.4	53	0.7267	1.1571	0.0166	1.9005	1.1503	1.0944	0.0307	2.2754
502	53.3	52.9	0.7251	1.1567	0.0164	1.8982	1.1293	1.1066	0.0337	2.2695
503	51	52.9	0.7216	1.1564	0.0165	1.8946	1.1192	1.1082	0.0326	2.26
504	52.1	52.9	0.7206	1.1556	0.0167	1.8929	1.1168	1.1122	0.0338	2.2628
505	51.3	52.8	0.7204	1.1544	0.0165	1.8913	1.1296	1.1081	0.0343	2.272
506	50	52.6	0.7194	1.1525	0.0161	1.8881	1.1332	1.1097	0.0341	2.277
507	51.2	52.5	0.7159	1.1513	0.0162	1.8834	1.1423	1.118	0.0387	2.2989
508	51.9	52.3	0.7123	1.1504	0.0167	1.8794	1.1212	1.111	0.035	2.2672
509	50	52.1	0.7107	1.1494	0.0164	1.8766	1.1059	1.1087	0.0393	2.2539

510	51.7	52.1	0.7088	1.148	0.0164	1.8733	1.1072	1.1011	0.035	2.2434
511	52.5	51.9	0.7076	1.1462	0.0163	1.8701	1.0928	1.1074	0.0332	2.2334
512	53.3	51.9	0.7067	1.145	0.0161	1.8678	1.0884	1.1099	0.0354	2.2337
513	54.2	52	0.7049	1.1441	0.016	1.865	1.083	1.1129	0.0338	2.2296
514	53.5	52	0.7045	1.1433	0.016	1.8638	1.0607	1.115	0.0386	2.2143
515	50.6	52.2	0.7041	1.1426	0.016	1.8627	1.041	1.1169	0.0512	2.2091
516	52.4	52.4	0.7045	1.1415	0.0159	1.8619	1.0407	1.1184	0.0559	2.215
517	51.9	52.6	0.7047	1.1406	0.0157	1.8611	1.0466	1.1194	0.0589	2.2249
518	51.5	52.7	0.7042	1.1397	0.0157	1.8596	1.0451	1.1179	0.0549	2.2179
519	52.5	52.8	0.7036	1.1387	0.0155	1.8578	1.0415	1.1248	0.0523	2.2186
520	52.2	52.8	0.703	1.1374	0.0156	1.856	1.0181	1.1286	0.0482	2.1949
521	51.5	52.8	0.7034	1.1353	0.0158	1.8544	0.9958	1.1291	0.0471	2.172
522	54.4	52.8	0.7021	1.1345	0.0159	1.8525	0.9893	1.1312	0.05	2.1705
523	52.3	52.8	0.7005	1.1331	0.0158	1.8493	0.9876	1.1363	0.051	2.1748
524	53.9	52.7	0.6994	1.132	0.0154	1.8469	0.9853	1.138	0.0523	2.1755
525	53.8	52.9	0.6983	1.1313	0.0152	1.8448	0.9845	1.1401	0.0537	2.1783
526	54.6	52.9	0.6966	1.1302	0.0152	1.8419	0.9821	1.1438	0.0539	2.1798
527	54.1	52.9	0.6964	1.1286	0.0154	1.8404	0.9904	1.142	0.0567	2.1891
528	52.4	52.8	0.6966	1.1275	0.0154	1.8395	1.0005	1.1405	0.055	2.196
529	52.5	52.8	0.6962	1.1263	0.0151	1.8376	0.9944	1.1408	0.0501	2.1853
530	51.7	52.9	0.6956	1.1245	0.0148	1.8349	0.9751	1.1461	0.0513	2.1725
531	53.8	52.9	0.6945	1.1236	0.0145	1.8326	0.9479	1.1487	0.0484	2.1449
532	53.5	52.8	0.6926	1.1216	0.0144	1.8286	0.9328	1.1494	0.0461	2.1284
533	52.4	52.8	0.6909	1.1196	0.014	1.8245	0.9274	1.1603	0.0449	2.1326
534	53.4	52.6	0.6905	1.1193	0.0142	1.824	0.9432	1.164	0.0439	2.1511
535	53.1	52.5	0.6911	1.1182	0.0145	1.8238	0.9595	1.1596	0.0443	2.1634
536	51.2	52.4	0.6899	1.1177	0.0144	1.8219	0.9662	1.1581	0.0452	2.1694
537	50.1	52.3	0.6887	1.1166	0.0144	1.8197	0.9789	1.1671	0.0466	2.1927
538	52.1	52.2	0.6883	1.1155	0.0146	1.8185	0.987	1.1793	0.0464	2.2128
539	53.7	52.1	0.6876	1.1146	0.0149	1.8171	0.9863	1.1809	0.0424	2.2096
540	52.5	52.1	0.6876	1.1134	0.0153	1.8163	0.9792	1.1779	0.0434	2.2005
541	52	51.9	0.6863	1.1129	0.0156	1.8149	0.9909	1.178	0.0474	2.2163
542	52.6	51.9	0.6856	1.1129	0.0157	1.8143	0.9981	1.1724	0.0508	2.2213
543	50	51.9	0.6844	1.1125	0.0156	1.8125	1.0081	1.1672	0.0539	2.2291
544	52.4	51.8	0.6814	1.1112	0.0154	1.808	1.0076	1.1568	0.0511	2.2156
545	52.9	51.9	0.6794	1.1107	0.0153	1.8054	0.9903	1.1501	0.0477	2.1882
546	51.7	52	0.6756	1.1095	0.0152	1.8003	0.9933	1.1501	0.0449	2.1883

547	50.8	52.1	0.6731	1.1086	0.0149	1.7965	1.0118	1.1489	0.0453	2.206
548	50.5	52	0.6716	1.1071	0.0145	1.7932	1.0281	1.148	0.05	2.2262
549	50.8	51.9	0.6712	1.1052	0.0141	1.7904	1.0249	1.1571	0.0534	2.2354
550	50.5	51.8	0.6721	1.1035	0.0137	1.7893	1.0149	1.1684	0.0638	2.247
551	52.5	51.7	0.673	1.1016	0.0134	1.788	1.0025	1.1627	0.0728	2.238
552	52.4	51.5	0.6728	1.1003	0.0134	1.7865	0.995	1.1595	0.0709	2.2254
553	53	51.5	0.6713	1.0991	0.0131	1.7834	0.9801	1.1688	0.0687	2.2176
554	53.9	51.3	0.6689	1.098	0.0127	1.7796	0.9414	1.1795	0.0691	2.19
555	54.1	51.2	0.6672	1.0969	0.0126	1.7767	0.936	1.1835	0.0724	2.1919
556	51.2	51.1	0.6644	1.095	0.0122	1.7717	0.9433	1.1807	0.0693	2.1932
557	51.5	51.1	0.6635	1.0946	0.0124	1.7705	0.9487	1.1717	0.0651	2.1855
558	50	51	0.6626	1.0935	0.0121	1.7682	0.9266	1.1684	0.0669	2.1619
559	50.6	50.8	0.6614	1.0927	0.0123	1.7663	0.9078	1.1722	0.073	2.153
560	51	50.8	0.6609	1.0913	0.0123	1.7645	0.9004	1.1771	0.0694	2.1469
561	49.1	50.6	0.6599	1.0901	0.0124	1.7624	0.9026	1.1917	0.065	2.1593
562	49.6	50.4	0.6581	1.0888	0.0126	1.7595	0.8929	1.1809	0.0689	2.1427
563	49.2	50.2	0.6567	1.0878	0.0125	1.757	0.8919	1.1761	0.0641	2.132
564	50.9	49.9	0.6564	1.0869	0.0125	1.7558	0.8747	1.1726	0.0586	2.1059
565	49.6	49.5	0.6562	1.0855	0.0121	1.7538	0.8805	1.1754	0.0607	2.1166
566	50.3	49.2	0.6547	1.0844	0.0118	1.7509	0.8976	1.1856	0.0598	2.143
567	49.7	49	0.6532	1.0835	0.0123	1.749	0.9107	1.1884	0.0583	2.1574
568	46.9	49	0.6529	1.0817	0.0123	1.7469	0.9151	1.1892	0.0603	2.1646
569	48.9	48.9	0.6533	1.0806	0.0124	1.7463	0.9119	1.1939	0.059	2.1647
570	50	48.8	0.6536	1.0797	0.0125	1.7457	0.9126	1.1892	0.0579	2.1597
571	48.4	48.8	0.6533	1.0784	0.0125	1.7442	0.9105	1.1895	0.0584	2.1583
572	48.3	48.8	0.6528	1.0769	0.0125	1.7422	0.9233	1.1797	0.0591	2.1622
573	48.2	48.9	0.6524	1.0756	0.0124	1.7404	0.9221	1.1836	0.06	2.1657
574	46.2	48.8	0.6513	1.0742	0.0123	1.7378	0.9152	1.1757	0.0587	2.1497
575	47.2	48.8	0.6502	1.0727	0.0121	1.735	0.9098	1.1836	0.0525	2.146
576	47.7	48.8	0.648	1.0721	0.0118	1.732	0.894	1.1887	0.0468	2.1295
577	49.6	48.8	0.6466	1.0707	0.0118	1.7291	0.8715	1.1888	0.0477	2.108
578	47.8	48.9	0.6461	1.0695	0.0122	1.7277	0.8711	1.1823	0.0491	2.1026
579	48.9	48.9	0.6468	1.0678	0.0119	1.7264	0.8889	1.179	0.0494	2.1173
580	50.9	48.8	0.6471	1.0667	0.0118	1.7256	0.902	1.1742	0.0502	2.1264
581	49.6	48.8	0.6471	1.065	0.0118	1.7238	0.9087	1.1707	0.0463	2.1258
582	49.6	48.9	0.6468	1.0632	0.0116	1.7215	0.9174	1.1769	0.0366	2.1309
583	49.9	49	0.6451	1.0618	0.0117	1.7186	0.9081	1.1739	0.0308	2.1128

584	50	49	0.6428	1.0607	0.0115	1.7151	0.8974	1.1691	0.0301	2.0966
585	48.9	49	0.641	1.0592	0.0113	1.7115	0.894	1.1839	0.0324	2.1103
586	49.5	49	0.6397	1.0569	0.011	1.7076	0.8926	1.1965	0.0358	2.1249
587	49	49	0.6393	1.0548	0.0108	1.705	0.8779	1.2036	0.0357	2.1172
588	49.9	49	0.6377	1.0539	0.0109	1.7025	0.8662	1.201	0.0356	2.1028
589	48.3	49.1	0.6361	1.0529	0.011	1.7	0.8755	1.2043	0.0408	2.1206
590	48.5	49	0.6342	1.0522	0.0105	1.6968	0.8837	1.207	0.041	2.1317
591	49	49	0.6327	1.0516	0.0103	1.6946	0.8957	1.2037	0.0462	2.1456
592	49.8	48.8	0.6318	1.0508	0.0101	1.6927	0.8907	1.2037	0.0475	2.1418
593	46.9	48.7	0.6318	1.0501	0.0104	1.6924	0.8959	1.2176	0.0472	2.1606
594	47.1	48.5	0.6326	1.0493	0.0105	1.6924	0.8906	1.2308	0.0511	2.1725
595	48.1	48.5	0.6312	1.0482	0.0104	1.6897	0.8657	1.2304	0.051	2.1471
596	49.4	48.4	0.6293	1.0471	0.0103	1.6867	0.8512	1.2452	0.0516	2.148
597	48.3	48.4	0.6275	1.0459	0.01	1.6834	0.8134	1.2557	0.0516	2.1207
598	49.6	48.3	0.6268	1.0443	0.01	1.6812	0.7916	1.2576	0.0481	2.0972
599	48.8	48.2	0.6271	1.0425	0.0098	1.6794	0.7762	1.2541	0.0486	2.079
600	50.1	48.2	0.6276	1.0414	0.0094	1.6784	0.7695	1.2446	0.0465	2.0607
601	45.5	48.1	0.6272	1.0412	0.0095	1.6779	0.7813	1.2426	0.0437	2.0677
602	47.6	48.1	0.6271	1.0398	0.0095	1.6765	0.8018	1.2355	0.0391	2.0764
603	46.6	48.1	0.6275	1.0384	0.0096	1.6756	0.8117	1.2378	0.0393	2.0887
604	49	48.1	0.627	1.0372	0.0095	1.6737	0.8021	1.2298	0.0368	2.0687
605	48.4	48	0.6261	1.0363	0.0096	1.6719	0.7779	1.2273	0.0362	2.0414
606	47.8	47.9	0.6246	1.0353	0.0096	1.6695	0.7647	1.2192	0.036	2.0198
607	47.7	47.9	0.6232	1.0345	0.0095	1.6672	0.733	1.2083	0.0323	1.9736
608	48.2	47.9	0.6215	1.0331	0.0094	1.6641	0.7276	1.219	0.039	1.9855
609	47.5	47.8	0.6207	1.0317	0.0095	1.6619	0.7304	1.2131	0.0334	1.9769
610	48.2	47.5	0.6186	1.0289	0.0099	1.6573	0.7291	1.217	0.037	1.9831
611	49	47.4	0.6183	1.0281	0.0094	1.6559	0.7397	1.2093	0.0393	1.9883
612	46.6	47.4	0.6175	1.0274	0.0097	1.6546	0.7462	1.1999	0.041	1.987
613	47.6	47.2	0.6174	1.0268	0.0102	1.6544	0.7427	1.2005	0.0444	1.9876
614	46.4	47	0.6164	1.0257	0.01	1.6521	0.736	1.2083	0.0467	1.991
615	47.6	46.8	0.6143	1.0241	0.01	1.6484	0.7411	1.2188	0.0497	2.0096
616	48.4	46.6	0.6135	1.0227	0.0101	1.6462	0.7438	1.2195	0.048	2.0114
617	48.9	46.4	0.6132	1.0217	0.0097	1.6446	0.7332	1.2238	0.0451	2.0021
618	47.1	46.2	0.613	1.0204	0.0098	1.6431	0.7205	1.226	0.0534	1.9998
619	44.1	46.1	0.6123	1.0198	0.0097	1.6418	0.7308	1.2193	0.0505	2.0005
620	44.4	46	0.612	1.0185	0.0097	1.6401	0.7339	1.2189	0.0532	2.006

621	46.2	45.9	0.611	1.0173	0.0099	1.6382	0.7286	1.225	0.0522	2.0058
622	44.3	45.9	0.6099	1.0161	0.0099	1.6359	0.7189	1.2209	0.054	1.9938
623	44.5	45.8	0.609	1.0155	0.0099	1.6344	0.7188	1.2165	0.05	1.9853
624	43.9	45.8	0.6084	1.0137	0.0102	1.6323	0.7245	1.206	0.0423	1.9728
625	44.8	45.8	0.6089	1.0125	0.0105	1.6319	0.7239	1.1995	0.0429	1.9663
626	43.5	45.7	0.6094	1.0113	0.0104	1.6311	0.727	1.1987	0.0428	1.9686
627	44.7	45.5	0.6093	1.0104	0.0105	1.6302	0.7226	1.2011	0.0413	1.965
628	45.8	45.4	0.6078	1.0096	0.0105	1.6278	0.7169	1.2003	0.0412	1.9585
629	46.1	45.5	0.606	1.0089	0.0101	1.6249	0.7236	1.2062	0.0456	1.9755
630	46.3	45.6	0.6047	1.0075	0.0101	1.6224	0.7357	1.1998	0.0409	1.9764
631	46.8	45.6	0.6028	1.0059	0.0109	1.6195	0.7363	1.2124	0.0339	1.9826
632	47.1	45.6	0.6018	1.0042	0.0113	1.6173	0.7378	1.2062	0.0315	1.9755
633	46.1	45.6	0.6012	1.0026	0.011	1.6148	0.7339	1.197	0.0298	1.9607
634	47	45.5	0.6011	1.0009	0.011	1.613	0.7183	1.1922	0.0323	1.9428
635	46.5	45.3	0.6019	0.9985	0.0109	1.6113	0.7066	1.1871	0.0301	1.9237
636	44.4	45.1	0.6021	0.9973	0.0108	1.6102	0.6977	1.1779	0.027	1.9027
637	46.9	44.9	0.6021	0.9965	0.0108	1.6094	0.6912	1.1646	0.0276	1.8834
638	44.8	44.6	0.6008	0.9951	0.0106	1.6065	0.7027	1.1563	0.0265	1.8855
639	47.1	44.3	0.5993	0.9939	0.0108	1.6039	0.6968	1.1493	0.0285	1.8746
640	45	43.9	0.5981	0.993	0.0107	1.6018	0.6973	1.1444	0.0321	1.8737
641	44.2	43.5	0.5973	0.9926	0.0109	1.6007	0.6953	1.1494	0.0304	1.8751
642	44.7	43.1	0.596	0.9912	0.011	1.5982	0.6872	1.157	0.0285	1.8727
643	42.1	42.9	0.5954	0.9894	0.0105	1.5953	0.6895	1.1626	0.0265	1.8786
644	42.2	42.6	0.5948	0.9881	0.0103	1.5933	0.6867	1.1678	0.031	1.8855
645	39.6	42.4	0.5943	0.9862	0.0101	1.5906	0.7058	1.1694	0.0348	1.91
646	40.7	42.2	0.5943	0.9839	0.01	1.5882	0.6975	1.1772	0.0309	1.9056
647	40.5	41.9	0.5939	0.9828	0.0101	1.5868	0.6796	1.1793	0.0267	1.8856
648	38.9	41.6	0.594	0.9817	0.0096	1.5853	0.6587	1.1802	0.0239	1.8629
649	39.3	41.4	0.5942	0.9807	0.0095	1.5844	0.663	1.1709	0.0228	1.8566
650	39.1	41.3	0.5939	0.9793	0.0094	1.5826	0.6776	1.1623	0.0208	1.8606
651	40.6	41.1	0.5928	0.9781	0.0095	1.5804	0.6817	1.1549	0.0171	1.8537
652	41.5	41	0.5916	0.9765	0.0094	1.5776	0.6862	1.1514	0.018	1.8555
653	41.6	40.9	0.5911	0.9761	0.0094	1.5766	0.7018	1.1445	0.0194	1.8658
654	41.5	40.9	0.5911	0.9753	0.0091	1.5755	0.712	1.1449	0.0244	1.8812
655	42	41	0.5907	0.975	0.009	1.5747	0.7075	1.1449	0.0238	1.8761
656	39.8	41.1	0.5911	0.9742	0.009	1.5743	0.6992	1.1669	0.0274	1.8934
657	40.7	41.2	0.5907	0.9727	0.0085	1.572	0.6899	1.1623	0.0327	1.8849

658	43	41.3	0.5896	0.9722	0.0088	1.5706	0.6845	1.1644	0.0356	1.8845
659	42.1	41.6	0.5885	0.971	0.0086	1.568	0.6677	1.1709	0.036	1.8747
660	41.4	41.7	0.5869	0.9703	0.0084	1.5656	0.6633	1.1642	0.0384	1.8659
661	41.6	41.9	0.5853	0.9701	0.0083	1.5637	0.6525	1.1484	0.0428	1.8437
662	41.4	41.9	0.5838	0.9688	0.0081	1.5607	0.6594	1.1605	0.0375	1.8573
663	41.4	42.1	0.5831	0.9669	0.0079	1.5579	0.6568	1.165	0.0391	1.8608
664	40.9	42.2	0.5823	0.965	0.0075	1.5548	0.6593	1.1626	0.0477	1.8697
665	42.8	42.2	0.5818	0.9635	0.0073	1.5527	0.6558	1.1573	0.045	1.8581
666	42.8	42.4	0.5814	0.9621	0.0073	1.5507	0.641	1.1434	0.0489	1.8333
667	42	42.4	0.5811	0.9609	0.007	1.549	0.6337	1.1411	0.0489	1.8238
668	43.3	42.2	0.5798	0.9598	0.0073	1.5469	0.648	1.1482	0.0446	1.8408
669	42.6	42.2	0.5799	0.9587	0.0071	1.5457	0.6552	1.1536	0.0448	1.8536
670	43.4	42.2	0.5807	0.9572	0.0073	1.5451	0.6647	1.1524	0.0439	1.8609
671	42.5	42	0.5814	0.9563	0.0071	1.5449	0.666	1.1548	0.0458	1.8666
672	43.7	41.8	0.581	0.9552	0.0075	1.5437	0.6597	1.1547	0.0457	1.8601
673	43.5	41.7	0.58	0.955	0.0081	1.5431	0.6497	1.1522	0.0422	1.8441
674	43.1	41.7	0.5789	0.9543	0.008	1.5412	0.638	1.1614	0.0406	1.84
675	42.9	41.6	0.5775	0.9529	0.0079	1.5382	0.633	1.1605	0.041	1.8345
676	40.7	41.4	0.5758	0.952	0.0077	1.5355	0.6354	1.161	0.0405	1.8369
677	40.5	41.3	0.5749	0.9506	0.0077	1.5332	0.6393	1.1568	0.039	1.8351
678	40.9	41	0.5737	0.9489	0.0076	1.5302	0.643	1.1627	0.0407	1.8465
679	41.3	40.8	0.5732	0.9478	0.0078	1.5288	0.6399	1.1617	0.0405	1.8421
680	38.5	40.6	0.5735	0.9454	0.0084	1.5273	0.6299	1.1702	0.0369	1.837
681	38.2	40.4	0.5733	0.9443	0.0086	1.5263	0.6231	1.172	0.0382	1.8333
682	39.6	40.2	0.5734	0.9435	0.0086	1.5255	0.6153	1.1612	0.0491	1.8256
683	39.9	40.1	0.5733	0.9426	0.0084	1.5244	0.6066	1.1561	0.0556	1.8183
684	40.1	39.9	0.5722	0.942	0.0085	1.5227	0.6135	1.1558	0.0557	1.8251
685	39.8	39.8	0.5713	0.9415	0.0086	1.5213	0.6234	1.1503	0.0569	1.8306
686	39.5	39.9	0.5706	0.9404	0.0083	1.5193	0.6418	1.1388	0.0577	1.8383
687	37.7	39.9	0.569	0.9392	0.0082	1.5164	0.6547	1.1411	0.0581	1.8538
688	40	39.9	0.568	0.9389	0.0081	1.515	0.6556	1.1506	0.06	1.8661
689	39.3	39.9	0.5664	0.9385	0.0078	1.5126	0.6404	1.1449	0.0585	1.8438
690	38.5	40.1	0.5646	0.9372	0.0074	1.5093	0.6274	1.1517	0.0562	1.8353
691	39.6	40.3	0.564	0.9359	0.0074	1.5073	0.6215	1.1571	0.0491	1.8277
692	41	40.3	0.5629	0.9345	0.0075	1.5049	0.6241	1.1552	0.051	1.8304
693	40.9	40.3	0.5632	0.9334	0.0073	1.5038	0.6217	1.1451	0.0525	1.8193
694	40.9	40.4	0.562	0.9323	0.0071	1.5014	0.619	1.1342	0.0458	1.799

695	41.4	40.4	0.5614	0.9305	0.0073	1.4992	0.6255	1.1352	0.0479	1.8086
696	41.1	40.4	0.5613	0.9292	0.0076	1.4981	0.6299	1.1347	0.0459	1.8105
697	40.3	40.5	0.5616	0.9279	0.0076	1.4971	0.6379	1.1223	0.0396	1.7998
698	41.8	40.6	0.5605	0.9272	0.0077	1.4955	0.6445	1.1172	0.0383	1.7999
699	42.5	40.5	0.5593	0.9263	0.0077	1.4933	0.6552	1.1078	0.0322	1.7953
700	41.1	40.5	0.5594	0.9259	0.0077	1.4931	0.6582	1.1041	0.0306	1.7929
701	40.7	40.5	0.5586	0.926	0.0077	1.4924	0.6554	1.1007	0.027	1.7831
702	39.2	40.4	0.5569	0.9254	0.0076	1.4899	0.6408	1.1021	0.0248	1.7678
703	41.3	40.3	0.5563	0.9239	0.0072	1.4874	0.6264	1.0857	0.0265	1.7386
704	39.7	40.3	0.5563	0.9227	0.0071	1.4861	0.6395	1.0904	0.026	1.7559
705	40.6	40.2	0.5561	0.9196	0.0068	1.4826	0.6463	1.0944	0.0239	1.7645
706	40.2	40.1	0.5556	0.9191	0.0064	1.481	0.6492	1.0961	0.023	1.7683
707	40.5	39.9	0.5548	0.918	0.006	1.4788	0.6542	1.104	0.0278	1.7859
708	38.9	39.8	0.5548	0.916	0.0058	1.4766	0.6527	1.1063	0.028	1.7871
709	38.1	39.7	0.5543	0.9153	0.0056	1.4753	0.6488	1.1176	0.0355	1.8019
710	39	39.6	0.5533	0.914	0.0056	1.473	0.6462	1.1181	0.0357	1.8
711	39	39.5	0.5524	0.9121	0.0057	1.4701	0.6384	1.1258	0.0345	1.7987
712	39.8	39.5	0.5518	0.9109	0.0058	1.4685	0.6262	1.1411	0.0367	1.804
713	40.3	39.3	0.5515	0.9106	0.0054	1.4674	0.6183	1.139	0.0354	1.7926
714	39	39.2	0.5509	0.91	0.0055	1.4663	0.6163	1.1331	0.0316	1.7811
715	39.8	39	0.5502	0.9097	0.0051	1.465	0.613	1.1418	0.0304	1.7851
716	37.2	38.9	0.5501	0.9085	0.0052	1.4638	0.6129	1.1418	0.032	1.7867
717	39.6	38.8	0.5484	0.9069	0.0052	1.4605	0.6131	1.1322	0.0296	1.775
718	41	38.9	0.5475	0.905	0.0053	1.4578	0.614	1.141	0.0292	1.7843
719	38.9	38.8	0.5459	0.9046	0.0053	1.4557	0.6055	1.1457	0.0341	1.7853
720	38.6	38.9	0.5454	0.903	0.0051	1.4535	0.6157	1.1489	0.034	1.7987
721	38.7	38.8	0.545	0.9018	0.0053	1.4522	0.6313	1.1493	0.0373	1.8179
722	37.7	38.7	0.5449	0.9009	0.0057	1.4515	0.6454	1.155	0.0377	1.8381
723	37.6	38.6	0.5452	0.8994	0.0058	1.4504	0.6485	1.1682	0.0403	1.8571
724	36.3	38.5	0.5451	0.8976	0.0061	1.4488	0.6447	1.1787	0.0454	1.8687
725	38.3	38.4	0.5454	0.8964	0.0064	1.4482	0.6493	1.1845	0.0449	1.8787
726	38.6	38.4	0.5455	0.8956	0.0065	1.4476	0.653	1.1911	0.0445	1.8886
727	40.6	38.1	0.545	0.8941	0.0064	1.4455	0.6408	1.1836	0.042	1.8664
728	38	37.8	0.5438	0.8934	0.0064	1.4436	0.6336	1.1793	0.0419	1.8548
729	39.9	37.8	0.543	0.8919	0.0064	1.4412	0.6176	1.1737	0.0415	1.8328
730	37.4	37.8	0.5424	0.8903	0.0063	1.439	0.6188	1.1687	0.0406	1.8281
731	38.3	37.7	0.5413	0.8897	0.006	1.437	0.6323	1.1593	0.0461	1.8376

732	37.6	37.7	0.5411	0.8886	0.0058	1.4355	0.6271	1.1725	0.0472	1.8468
733	37.2	37.7	0.5398	0.8871	0.0054	1.4323	0.6122	1.1776	0.0447	1.8345
734	37.2	37.9	0.5388	0.8859	0.0053	1.43	0.6031	1.1904	0.0413	1.8348
735	37.1	38	0.5377	0.8847	0.0051	1.4275	0.592	1.2059	0.0348	1.8326
736	35.5	38.1	0.5366	0.8832	0.005	1.4248	0.5844	1.2053	0.0307	1.8204
737	35.2	38.1	0.5365	0.8814	0.0049	1.4228	0.5771	1.2166	0.0295	1.8232
738	38.3	38.2	0.5367	0.8806	0.0047	1.4221	0.5654	1.2142	0.0316	1.8112
739	38.1	38.1	0.5365	0.8787	0.0052	1.4204	0.5629	1.2154	0.0344	1.8127
740	37.3	38.3	0.5359	0.8773	0.0058	1.419	0.5592	1.2237	0.0283	1.8111
741	37.4	38.2	0.5348	0.877	0.0058	1.4177	0.5576	1.2168	0.0232	1.7976
742	38.3	38.3	0.5339	0.8767	0.0057	1.4163	0.5626	1.2104	0.0233	1.7963
743	39	38.4	0.5335	0.876	0.0059	1.4154	0.5581	1.2125	0.0268	1.7974
744	40.6	38.5	0.5323	0.8746	0.0055	1.4124	0.5622	1.2164	0.0273	1.8059
745	40.7	38.7	0.5313	0.8728	0.0055	1.4096	0.5655	1.2109	0.0241	1.8005
746	40.1	39	0.5305	0.8717	0.006	1.4082	0.5773	1.1995	0.0258	1.8026
747	39.6	39.3	0.5295	0.8711	0.0063	1.4068	0.5817	1.2036	0.0279	1.8132
748	39.2	39.5	0.5285	0.8709	0.0064	1.4057	0.585	1.2034	0.0309	1.8193
749	40.5	39.7	0.5284	0.8703	0.0064	1.4051	0.5835	1.198	0.0313	1.8128
750	37.7	40	0.5284	0.8692	0.0067	1.4043	0.5743	1.2053	0.0293	1.8089
751	38.8	40.2	0.5288	0.8678	0.007	1.4036	0.5733	1.2159	0.0291	1.8183
752	38.6	40.4	0.529	0.8679	0.0068	1.4037	0.5682	1.229	0.0304	1.8276
753	39.8	40.6	0.5271	0.867	0.0068	1.401	0.5629	1.2345	0.0311	1.8284
754	40.4	40.8	0.5265	0.8659	0.0067	1.399	0.5675	1.2321	0.0266	1.8262
755	41.1	40.9	0.5258	0.8654	0.0067	1.3979	0.5759	1.2378	0.0252	1.8389
756	40.8	41.1	0.5257	0.8638	0.0062	1.3957	0.5821	1.2207	0.0259	1.8286
757	42.8	41.3	0.5255	0.8621	0.0057	1.3933	0.5775	1.2279	0.0237	1.8291
758	41.8	41.5	0.5247	0.8604	0.0052	1.3904	0.5687	1.2294	0.0218	1.8199
759	42.7	41.7	0.5239	0.8591	0.005	1.388	0.5719	1.2216	0.0227	1.8162
760	41.9	41.9	0.523	0.8578	0.0049	1.3857	0.5729	1.2349	0.018	1.8258
761	42.1	41.9	0.5227	0.856	0.0046	1.3833	0.5759	1.2422	0.018	1.8361
762	42.5	42	0.522	0.8549	0.0046	1.3815	0.5856	1.2297	0.0205	1.8357
763	44.7	42.1	0.5214	0.8536	0.0047	1.3797	0.5719	1.2334	0.0174	1.8227
764	41.8	42.2	0.521	0.8508	0.0045	1.3763	0.5738	1.2576	0.0098	1.8411
765	44.3	42.3	0.5205	0.8493	0.0041	1.374	0.5752	1.2571	0.0074	1.8397
766	43.1	42.3	0.52	0.8488	0.0043	1.3732	0.5762	1.2693	0.0046	1.8501
767	43.6	42.2	0.5197	0.8468	0.004	1.3705	0.5797	1.2645	0.005	1.8492
768	43.8	42	0.5192	0.8452	0.0039	1.3684	0.5717	1.2546	0.0035	1.8298

769	40.7	41.9	0.5183	0.8438	0.0037	1.3659	0.5667	1.2482	0.0032	1.8181
770	40.3	41.9	0.5176	0.8422	0.0035	1.3634	0.5574	1.2542	0.0023	1.8139
771	40.4	41.8	0.5169	0.8408	0.0034	1.361	0.5578	1.2452	0.0029	1.8059
772	40.5	41.7	0.5161	0.8384	0.0035	1.358	0.5582	1.2483	0.0032	1.8097
773	42.1	41.5	0.5155	0.8372	0.0036	1.3563	0.5653	1.2473	0.0098	1.8224
774	42.9	41.4	0.514	0.8358	0.0035	1.3533	0.5617	1.2453	0.0172	1.8242
775	42.2	41.1	0.5122	0.8337	0.0034	1.3493	0.5464	1.2453	0.0186	1.8103
776	40	41	0.5117	0.8336	0.0035	1.3488	0.547	1.2469	0.0249	1.8187
777	38.7	40.8	0.5116	0.8327	0.0035	1.3478	0.551	1.2489	0.0224	1.8223
778	40.5	40.7	0.5119	0.8315	0.0035	1.3469	0.5482	1.245	0.0168	1.81
779	41.7	40.6	0.5113	0.8309	0.0037	1.346	0.5446	1.2469	0.015	1.8064
780	40.5	40.7	0.5103	0.8295	0.0038	1.3436	0.5536	1.2382	0.015	1.8067
781	40.7	40.7	0.5106	0.8271	0.0039	1.3416	0.561	1.228	0.0149	1.8039
782	40.8	40.8	0.5121	0.8257	0.0042	1.342	0.5631	1.2365	0.0164	1.8159
783	38.8	40.8	0.513	0.8236	0.0043	1.3409	0.5608	1.2467	0.0174	1.8249
784	39.4	40.8	0.513	0.8214	0.0051	1.3394	0.549	1.2389	0.0123	1.8001
785	41.2	40.9	0.5128	0.8209	0.0055	1.3392	0.5487	1.2282	0.011	1.7879
786	40.4	41.1	0.5129	0.8187	0.0053	1.337	0.5435	1.2336	0.0094	1.7865
787	40.9	41.4	0.5125	0.8178	0.005	1.3353	0.5313	1.2323	0.0092	1.7728
788	39.7	41.6	0.5117	0.8174	0.0046	1.3337	0.5451	1.2212	0.0093	1.7756
789	41.8	41.8	0.5105	0.8161	0.0049	1.3315	0.5569	1.2288	0.006	1.7917
790	40.5	42	0.5089	0.8156	0.0051	1.3295	0.5525	1.2169	0.0098	1.7792
791	42	42.2	0.5077	0.8149	0.0051	1.3277	0.5566	1.2067	0.0172	1.7804
792	43	42.4	0.5071	0.8133	0.0048	1.3251	0.5589	1.2146	0.0184	1.7918
793	43	42.8	0.507	0.8117	0.0046	1.3233	0.553	1.2302	0.0179	1.8011
794	43	43.3	0.5055	0.8112	0.0046	1.3214	0.5522	1.2365	0.0202	1.8089
795	43.5	43.5	0.5037	0.8105	0.0047	1.3189	0.5478	1.2339	0.0207	1.8024
796	45.5	43.8	0.5032	0.8088	0.0048	1.3168	0.5524	1.2341	0.0227	1.8092
797	44.1	44.2	0.5031	0.8075	0.0046	1.3152	0.5498	1.231	0.0306	1.8115
798	45.9	44.5	0.5022	0.8074	0.0046	1.3142	0.5404	1.2393	0.0379	1.8176
799	44.3	44.7	0.5019	0.8057	0.0048	1.3124	0.531	1.2461	0.0406	1.8177
800	43.6	45	0.5021	0.8044	0.0048	1.3112	0.5313	1.2459	0.0369	1.8141
801	45.4	45.2	0.5018	0.8031	0.0047	1.3096	0.5202	1.2482	0.0367	1.805
802	46.9	45.2	0.5006	0.8019	0.0045	1.307	0.5186	1.2423	0.04	1.801
803	48	45.3	0.4996	0.8007	0.0045	1.3048	0.5252	1.2579	0.0353	1.8184
804	45.8	45.5	0.4987	0.7989	0.0046	1.3022	0.5092	1.2602	0.0372	1.8066
805	46.1	45.5	0.4979	0.7976	0.0042	1.2997	0.5069	1.2491	0.0392	1.7951

806	47	45.4	0.4978	0.7963	0.004	1.2981	0.5044	1.2481	0.037	1.7896
807	46.1	45.4	0.4979	0.7951	0.0038	1.2968	0.5082	1.2486	0.0291	1.7859
808	46	45.2	0.4976	0.7939	0.0035	1.295	0.5056	1.2467	0.0206	1.7728
809	46.2	45.1	0.4971	0.7918	0.0039	1.2927	0.4968	1.2401	0.0152	1.7521
810	45.5	45.1	0.4957	0.7898	0.0038	1.2894	0.4829	1.2426	0.0096	1.7352
811	43.3	44.8	0.4938	0.7891	0.0036	1.2866	0.4762	1.2514	-0.0129	1.7148
812	45.5	44.4	0.4946	0.7876	0.004	1.2862	0.4721	1.2376	-0.019	1.6906
813	45.6	44.2	0.4941	0.7848	0.0044	1.2833	0.4691	1.2303	-0.0172	1.6822
814	44	44.1	0.4933	0.7843	0.0047	1.2824	0.4621	1.2292	-0.0176	1.6738
815	43.3	43.8	0.4926	0.7828	0.0046	1.28	0.4562	1.2035	-0.0215	1.6382
816	43.3	43.5	0.4921	0.7821	0.0047	1.2789	0.4498	1.191	-0.024	1.6168
817	43.6	43.3	0.4912	0.7814	0.0049	1.2775	0.4458	1.1971	-0.0218	1.6211
818	42.4	43	0.4908	0.7802	0.005	1.276	0.44	1.1855	-0.0257	1.5998
819	42.2	42.7	0.4901	0.7792	0.0051	1.2744	0.4294	1.1738	-0.03	1.5732
820	40.6	42.5	0.4896	0.7785	0.0049	1.2729	0.4227	1.172	-0.0312	1.5634
821	39.9	42.4	0.4892	0.777	0.005	1.2712	0.4168	1.1625	-0.0342	1.5451
822	44	42.2	0.4884	0.7761	0.0047	1.2692	0.41	1.1518	-0.0363	1.5255
823	43.4	42	0.489	0.7748	0.0041	1.268	0.4001	1.1402	-0.0349	1.5054
824	39.8	41.9	0.4905	0.7731	0.0042	1.2678	0.3965	1.1313	-0.0311	1.4967
825	41.6	41.9	0.4907	0.7717	0.0039	1.2663	0.3925	1.121	-0.0327	1.4807
826	42.1	41.8	0.4904	0.7707	0.0043	1.2654	0.3935	1.1029	-0.033	1.4634
827	40.8	41.6	0.4902	0.7696	0.0047	1.2645	0.3935	1.1082	-0.0314	1.4703
828	40.2	41.6	0.4893	0.7687	0.0049	1.2629	0.4013	1.1062	-0.0314	1.4761
829	41.1	41.5	0.4876	0.768	0.0049	1.2605	0.4129	1.0982	-0.0334	1.4777
830	42.5	41.6	0.4863	0.7675	0.0048	1.2586	0.4123	1.0985	-0.0319	1.479
831	40.8	41.6	0.4849	0.7661	0.0043	1.2554	0.4116	1.0841	-0.0313	1.4643
832	43.4	41.4	0.485	0.764	0.004	1.253	0.4256	1.0655	-0.0293	1.4618
833	41.5	41.2	0.4849	0.7632	0.0042	1.2523	0.4528	1.0679	-0.023	1.4976
834	42.3	41.3	0.4839	0.7631	0.0042	1.2512	0.4812	1.0577	-0.0192	1.5197
835	42.1	41.3	0.4833	0.7613	0.0042	1.2488	0.4987	1.0466	-0.0103	1.535
836	39.9	41.3	0.4835	0.76	0.0041	1.2476	0.5063	1.053	-0.0027	1.5567
837	42.4	41.2	0.482	0.7593	0.0039	1.2452	0.5083	1.0406	0	1.5489
838	40.2	41.2	0.4811	0.7577	0.0041	1.2429	0.5083	1.0308	-0.0037	1.5355
839	42.1	41.2	0.4813	0.757	0.0042	1.2425	0.5071	1.0375	-0.0065	1.5382
840	41	41.2	0.4803	0.7566	0.0041	1.2409	0.4992	1.0367	-0.0041	1.5318
841	40	41.2	0.479	0.7556	0.004	1.2385	0.4867	1.0391	-0.0024	1.5235
842	40.1	41.1	0.4786	0.7537	0.0039	1.2362	0.4747	1.038	-0.0013	1.5114

843	40.5	41	0.4783	0.7523	0.0039	1.2345	0.4633	1.0279	-0.004	1.4872
844	42	40.9	0.4775	0.7512	0.0034	1.2322	0.4637	1.021	-0.006	1.4787
845	41.9	40.7	0.476	0.7493	0.0033	1.2287	0.4507	1.0232	-0.0082	1.4657
846	39.7	40.6	0.4755	0.7486	0.003	1.2271	0.419	1.0245	-0.0047	1.4387
847	40	40.4	0.4754	0.7472	0.0025	1.2251	0.4132	1.0146	-0.002	1.4258
848	40.1	40.3	0.4754	0.7463	0.0023	1.224	0.4077	1.0132	-0.0046	1.4163
849	42.3	40.1	0.4752	0.7457	0.0027	1.2237	0.3969	1.016	-0.0053	1.4075
850	41	39.9	0.4764	0.7444	0.003	1.2237	0.3906	1.0084	-0.0049	1.3941
851	41.4	39.8	0.4769	0.7436	0.003	1.2235	0.383	0.9993	-0.0086	1.3736
852	39.9	39.7	0.4765	0.7422	0.0033	1.2219	0.3789	0.9849	-0.0124	1.3514
853	40.3	39.4	0.4762	0.741	0.0031	1.2203	0.3736	0.9758	-0.0134	1.336
854	39.3	39.2	0.4758	0.7409	0.0028	1.2195	0.3639	0.9713	-0.012	1.3232
855	38.3	39	0.4754	0.7406	0.003	1.219	0.3563	0.9514	-0.0114	1.2962
856	38.3	39	0.4749	0.7389	0.0033	1.2171	0.3551	0.9444	-0.0146	1.2848
857	38	38.9	0.4749	0.7374	0.0037	1.216	0.358	0.9363	-0.0197	1.2746
858	37.8	38.8	0.475	0.7364	0.0037	1.2152	0.368	0.9243	-0.0201	1.2721
859	37.8	38.5	0.4756	0.7349	0.004	1.2145	0.362	0.911	-0.0226	1.2504
860	38.2	38.3	0.4754	0.7326	0.0062	1.2143	0.3596	0.9001	-0.0198	1.2399
861	36.5	38	0.4755	0.7322	0.0065	1.2142	0.3507	0.8864	-0.022	1.2151
862	35.1	38	0.4751	0.7318	0.0063	1.2133	0.3517	0.8861	-0.0232	1.2147
863	38	37.7	0.4752	0.7307	0.0065	1.2124	0.3848	0.8711	-0.0176	1.2383
864	39	37.6	0.4754	0.7305	0.0066	1.2125	0.3985	0.8489	-0.0131	1.2344
865	38.6	37.6	0.4756	0.7302	0.0065	1.2123	0.3958	0.8435	-0.0081	1.2312
866	38.7	37.6	0.4755	0.7291	0.0065	1.2111	0.3962	0.8361	-0.007	1.2253
867	37.7	37.6	0.4757	0.7282	0.0066	1.2106	0.4015	0.838	-0.0032	1.2363
868	36.8	37.5	0.4763	0.7279	0.0069	1.211	0.4021	0.8406	0.0004	1.243
869	37.8	37.4	0.4761	0.7266	0.0068	1.2095	0.397	0.8343	0.002	1.2332
870	36.4	37.2	0.4759	0.726	0.007	1.2088	0.3902	0.8327	0.0027	1.2256
871	38.5	37	0.4759	0.7256	0.007	1.2085	0.3866	0.8327	0.0024	1.2217
872	36.2	36.9	0.4761	0.7244	0.007	1.2075	0.3863	0.8193	0.0068	1.2125
873	37.2	36.8	0.4759	0.724	0.0067	1.2066	0.3848	0.8115	0.0043	1.2006
874	37.1	36.5	0.4747	0.7237	0.0068	1.2052	0.399	0.8045	0.0018	1.2053
875	38.7	36.3	0.4728	0.7235	0.0067	1.203	0.4171	0.7939	0.0008	1.2119
876	38	36.1	0.4723	0.7228	0.0066	1.2018	0.4145	0.7904	-0.0039	1.201
877	35.8	35.8	0.4714	0.7221	0.0066	1.2001	0.4005	0.7836	-0.0036	1.1806
878	35.3	35.7	0.4707	0.7217	0.0068	1.1992	0.3919	0.7794	-0.0012	1.1701
879	34.4	35.5	0.4701	0.7211	0.0069	1.1981	0.3821	0.7788	0.001	1.1619

880	33.7	35.2	0.4691	0.7211	0.0069	1.1971	0.3687	0.776	0.001	1.1457
881	33.5	34.8	0.468	0.7206	0.0068	1.1954	0.3616	0.7734	0.001	1.1361
882	35.1	34.6	0.4669	0.7189	0.0065	1.1922	0.3518	0.7667	-0.0052	1.1133
883	34.4	34.2	0.4649	0.7178	0.0062	1.1889	0.3576	0.7496	-0.0096	1.0976
884	33.9	33.8	0.4631	0.7167	0.0061	1.1859	0.359	0.7431	-0.0081	1.094
885	34.7	33.4	0.4622	0.7156	0.0057	1.1836	0.349	0.7453	-0.0109	1.0834
886	33.6	33	0.4621	0.7147	0.0053	1.1821	0.3508	0.7245	-0.0091	1.0662
887	33.9	32.7	0.4617	0.7147	0.0054	1.1817	0.3702	0.7103	-0.01	1.0705
888	33.2	32.4	0.461	0.7136	0.0053	1.1799	0.3555	0.704	-0.0114	1.0482
889	31.5	32.1	0.4606	0.7124	0.0053	1.1783	0.34	0.6916	-0.0108	1.0209
890	31.2	31.9	0.4602	0.7117	0.0053	1.1772	0.3459	0.6887	-0.011	1.0236
891	31.6	31.6	0.4603	0.7111	0.0052	1.1765	0.3312	0.6879	-0.0147	1.0044
892	30.2	31.3	0.4607	0.7105	0.0052	1.1764	0.3062	0.6913	-0.0163	0.9811
893	29.5	31	0.4606	0.7096	0.0052	1.1754	0.2968	0.6766	-0.0149	0.9586
894	31	30.7	0.4604	0.7089	0.0055	1.1748	0.2999	0.6588	-0.0157	0.9429
895	30	30.3	0.4618	0.7081	0.0052	1.175	0.3041	0.6547	-0.0182	0.9407
896	30.5	29.9	0.4618	0.7074	0.005	1.1742	0.3005	0.6425	-0.0184	0.9245
897	30.1	29.6	0.4623	0.7062	0.005	1.1736	0.3112	0.6295	-0.0191	0.9215
898	29	29.3	0.4625	0.7058	0.0051	1.1735	0.3241	0.6266	-0.0293	0.9214
899	28.5	29.1	0.4628	0.7049	0.0053	1.173	0.3232	0.6238	-0.0315	0.9154
900	29	28.8	0.4638	0.7044	0.0057	1.1739	0.3258	0.621	-0.0296	0.9171
901	29.8	28.6	0.4639	0.7046	0.0059	1.1745	0.3514	0.6116	-0.0261	0.9369
902	28	28.4	0.4632	0.7044	0.0058	1.1734	0.3628	0.6082	-0.0263	0.9448
903	27.7	28.3	0.4632	0.7036	0.0057	1.1725	0.3552	0.5962	-0.0232	0.9282
904	27	28.1	0.4631	0.7038	0.0057	1.1726	0.3502	0.5865	-0.0265	0.9101
905	27.2	28	0.4624	0.7031	0.0057	1.1713	0.3421	0.5896	-0.03	0.9017
906	27.9	27.8	0.462	0.7027	0.006	1.1707	0.3441	0.587	-0.0251	0.9061
907	26.8	27.6	0.4611	0.7027	0.0058	1.1696	0.3493	0.5801	-0.0217	0.9076
908	27.2	27.5	0.4614	0.7028	0.0058	1.17	0.3584	0.5658	-0.0183	0.9058
909	26.2	27.4	0.4611	0.7018	0.0058	1.1687	0.3731	0.5619	-0.0187	0.9163
910	27.2	27.3	0.4607	0.7012	0.006	1.1678	0.3835	0.5559	-0.0127	0.9266
911	28	27	0.4587	0.7005	0.0059	1.1651	0.3866	0.5295	0.0084	0.9246
912	27.4	26.9	0.4562	0.7004	0.0058	1.1624	0.3846	0.5287	0.0123	0.9256
913	27.2	26.8	0.4542	0.6999	0.0057	1.1599	0.379	0.5258	0.0103	0.9151
914	27.1	26.7	0.4537	0.6999	0.0055	1.1592	0.3818	0.5184	0.0114	0.9117
915	27.4	26.6	0.453	0.6992	0.0053	1.1575	0.39	0.5167	0.015	0.9217
916	26.9	26.5	0.452	0.6983	0.005	1.1553	0.3911	0.517	0.0156	0.9238

917	25.8	26.4	0.451	0.6974	0.0048	1.1532	0.3871	0.517	0.0183	0.9224
918	26.6	26.3	0.4511	0.6967	0.0048	1.1526	0.3835	0.5103	0.0209	0.9147
919	26.4	26.3	0.4511	0.6959	0.0048	1.1518	0.3943	0.5097	0.0201	0.924
920	26	26.2	0.4509	0.6952	0.0046	1.1507	0.3947	0.4919	0.0193	0.9059
921	25.7	26	0.4506	0.6951	0.0043	1.1499	0.3949	0.4808	0.0187	0.8945
922	24.9	25.8	0.4499	0.695	0.0043	1.1492	0.3929	0.4851	0.0206	0.8985
923	25.8	25.6	0.4491	0.6944	0.0039	1.1474	0.3858	0.4778	0.018	0.8816
924	25	25.5	0.4488	0.6937	0.0042	1.1466	0.3762	0.4778	0.0138	0.8677
925	25.1	25.3	0.4493	0.6926	0.0043	1.1462	0.3608	0.4803	0.0106	0.8517
926	25.1	25	0.4503	0.6924	0.0046	1.1473	0.3307	0.4821	0.0095	0.8223
927	26.2	24.9	0.451	0.6917	0.0048	1.1475	0.3199	0.4763	0.0104	0.8066
928	25.2	24.7	0.4511	0.6908	0.0048	1.1467	0.3096	0.4792	0.0082	0.797
929	25	24.5	0.4507	0.6904	0.0048	1.146	0.2992	0.4782	0.0075	0.7848
930	24.7	24.3	0.4502	0.6901	0.0047	1.145	0.2914	0.4763	0.0056	0.7734
931	24.4	24.2	0.4498	0.6894	0.0049	1.1441	0.2811	0.4782	0.0017	0.761
932	23.3	24	0.4493	0.689	0.005	1.1433	0.2656	0.4684	-0.0016	0.7324
933	24.2	23.9	0.449	0.6889	0.005	1.1429	0.2447	0.4486	-0.0064	0.6869
934	23.8	23.8	0.449	0.6886	0.0053	1.1428	0.2206	0.4359	-0.0088	0.6477
935	22.5	23.8	0.4483	0.6889	0.0051	1.1422	0.1943	0.4257	-0.0098	0.6101
936	23.4	23.7	0.4465	0.689	0.0051	1.1405	0.1869	0.4156	-0.0123	0.5902
937	22.4	23.5	0.4464	0.6889	0.0051	1.1404	0.1866	0.4128	-0.0158	0.5836
938	22.6	23.4	0.4471	0.6886	0.0052	1.1408	0.1883	0.4118	-0.014	0.5862
939	22.6	23.3	0.4467	0.6882	0.0053	1.1401	0.1895	0.3962	-0.0139	0.5718
940	23.1	23.2	0.4471	0.6878	0.0055	1.1405	0.1853	0.3811	-0.013	0.5534
941	22.4	23.1	0.4483	0.6864	0.0056	1.1404	0.175	0.3792	-0.0119	0.5423
942	22.5	23.2	0.4489	0.686	0.0054	1.1403	0.1777	0.3828	-0.0146	0.5459
943	23.4	23.1	0.4483	0.6865	0.0055	1.1402	0.1949	0.3809	-0.0159	0.5599
944	24.5	23.1	0.4471	0.6857	0.0053	1.1381	0.2006	0.3784	-0.016	0.563
945	24.2	23.1	0.446	0.6851	0.0051	1.1362	0.2068	0.3659	-0.0094	0.5633
946	22.8	23.1	0.4444	0.6856	0.0049	1.135	0.2154	0.3622	-0.013	0.5646
947	22.3	23.1	0.443	0.6845	0.0054	1.1329	0.2208	0.3551	-0.0144	0.5616
948	23	23.1	0.4431	0.6839	0.0055	1.1324	0.2342	0.3412	-0.013	0.5624
949	23.7	23.1	0.4427	0.6836	0.0057	1.1319	0.2464	0.3421	-0.0148	0.5737
950	23.2	23.1	0.4412	0.6832	0.0056	1.1301	0.2608	0.3355	-0.0122	0.5841
951	23.8	23.1	0.4406	0.6828	0.0056	1.129	0.2887	0.3312	-0.0069	0.613
952	23.6	23	0.441	0.6825	0.0056	1.1291	0.3089	0.3329	-0.0034	0.6385
953	23.3	22.9	0.4412	0.6824	0.0057	1.1293	0.316	0.3314	-0.0014	0.646

954	23	22.7	0.4416	0.682	0.0058	1.1293	0.3291	0.3292	0.0024	0.6607
955	23.4	22.6	0.4409	0.6819	0.0055	1.1283	0.329	0.3351	0.0075	0.6716
956	22.3	22.5	0.4399	0.6809	0.0055	1.1264	0.3223	0.3367	0.007	0.6659
957	22.7	22.4	0.4391	0.6808	0.0055	1.1254	0.316	0.3413	0.0086	0.6659
958	22.7	22.4	0.4377	0.6802	0.0056	1.1235	0.2896	0.3436	0.0048	0.638
959	23.1	22.2	0.4372	0.6793	0.0053	1.1218	0.2831	0.3562	0.0045	0.6438
960	21.5	22	0.4368	0.6797	0.0054	1.1218	0.2734	0.3394	0.0053	0.6181
961	21.7	21.9	0.437	0.6794	0.0053	1.1217	0.2653	0.3308	0.0034	0.5995
962	21.1	21.7	0.4372	0.6793	0.0053	1.1217	0.2457	0.3242	-0.0006	0.5693
963	20.8	21.5	0.437	0.6789	0.0053	1.1212	0.2192	0.3314	-0.0041	0.5465
964	20.8	21.4	0.4364	0.6788	0.0051	1.1203	0.2042	0.3268	-0.0052	0.5259
965	21.2	21.3	0.4365	0.6785	0.005	1.12	0.2122	0.3275	-0.0065	0.5332
966	21.3	21.3	0.4367	0.6774	0.0047	1.1188	0.2142	0.3188	-0.0095	0.5236
967	21.8	21.1	0.4374	0.6772	0.0045	1.1191	0.2056	0.3104	-0.0118	0.5041
968	21	21	0.4369	0.6769	0.0049	1.1186	0.2002	0.3022	-0.0127	0.4898
969	19.5	20.9	0.4366	0.6774	0.0049	1.1189	0.2014	0.2962	-0.0119	0.4856
970	20.7	20.8	0.4364	0.6779	0.0051	1.1194	0.2046	0.2907	-0.011	0.4844
971	20	20.8	0.4366	0.6771	0.0049	1.1186	0.2025	0.2859	-0.0129	0.4756
972	20.4	20.7	0.4375	0.6766	0.0052	1.1193	0.208	0.2867	-0.0143	0.4804
973	21.5	20.7	0.4382	0.6763	0.0053	1.1198	0.2065	0.2891	-0.011	0.4847
974	21.2	20.7	0.4387	0.6757	0.0057	1.1201	0.1954	0.2936	-0.0131	0.4759
975	20.9	20.7	0.4398	0.6752	0.0057	1.1208	0.1875	0.2953	-0.0093	0.4735
976	20.7	20.7	0.4404	0.6752	0.0056	1.1211	0.1953	0.2863	-0.0053	0.4763
977	20.2	20.5	0.4405	0.6742	0.0058	1.1204	0.2059	0.2849	-0.0002	0.4906
978	20.3	20.4	0.4407	0.6739	0.0061	1.1207	0.2129	0.2798	0.0025	0.4952
979	20.4	20.5	0.441	0.6734	0.0064	1.1208	0.2131	0.2757	0.0011	0.4898
980	20.7	20.4	0.441	0.6733	0.0068	1.121	0.2124	0.273	-0.001	0.4844
981	20.5	20.4	0.4415	0.6737	0.007	1.1222	0.2048	0.2773	-0.0019	0.4801
982	19.7	20.4	0.4424	0.6741	0.0071	1.1236	0.2015	0.2738	-0.0024	0.4728
983	21.4	20.3	0.4428	0.6742	0.0071	1.1241	0.197	0.2697	-0.0019	0.4648
984	20.9	20.3	0.4437	0.6742	0.0071	1.1249	0.1995	0.2684	-0.004	0.4639
985	20.8	20.2	0.4435	0.6741	0.007	1.1245	0.2023	0.2675	-0.0011	0.4687
986	19.5	20.2	0.4434	0.6734	0.0069	1.1237	0.1926	0.2711	-0.003	0.4607
987	19.1	20.2	0.4428	0.6735	0.0068	1.1231	0.1671	0.265	-0.0003	0.4319
988	20.2	20.1	0.4421	0.674	0.0067	1.1227	0.1613	0.2665	0.003	0.4308
989	19.8	20.1	0.4421	0.6743	0.0066	1.123	0.165	0.2637	0.0035	0.4322
990	19.3	20	0.4427	0.6737	0.0065	1.123	0.1677	0.2635	0.0063	0.4375

991	20.5	19.9	0.4425	0.6728	0.0067	1.122	0.1751	0.2772	-0.0014	0.4509
992	20.1	19.9	0.4412	0.6724	0.0068	1.1204	0.1857	0.2635	-0.0049	0.4442
993	20.6	19.7	0.4405	0.6718	0.0068	1.1191	0.1938	0.2537	-0.0047	0.4428
994	20.1	19.6	0.4397	0.6723	0.0064	1.1185	0.1879	0.2644	-0.0043	0.448
995	19.5	19.5	0.4402	0.6718	0.0065	1.1186	0.1842	0.2597	-0.0066	0.4374
996	19.6	19.5	0.4398	0.6719	0.0064	1.118	0.1833	0.2529	-0.0078	0.4283
997	19.9	19.5	0.4389	0.6721	0.0063	1.1173	0.1764	0.2603	-0.0054	0.4313
998	19.6	19.4	0.4379	0.6716	0.0066	1.1161	0.1662	0.2492	0.0014	0.4168
999	19	19.3	0.4368	0.6714	0.0065	1.1146	0.1733	0.2474	0.002	0.4227
1000	19.3	19.3	0.4349	0.6713	0.0063	1.1126	0.1724	0.2484	0.0073	0.428
1001	18.7	19.1	0.433	0.6713	0.0062	1.1106	0.1607	0.2464	0.011	0.4181
1002	18.4	19	0.4316	0.6712	0.006	1.1088	0.1575	0.2457	0.0105	0.4137
1003	19	18.8	0.4303	0.6707	0.0055	1.1064	0.1541	0.2464	0.0092	0.4097
1004	18.8	18.6	0.4302	0.6703	0.005	1.1054	0.1497	0.2579	0.0066	0.4142
1005	18.3	18.5	0.4302	0.6695	0.005	1.1047	0.1477	0.2553	0.006	0.409
1006	18.8	18.4	0.4304	0.6685	0.0051	1.1041	0.1335	0.2546	0.0038	0.3919
1007	18.4	18.3	0.4321	0.6683	0.0053	1.1058	0.1229	0.2459	0.0014	0.3702
1008	18.3	18.1	0.4331	0.6672	0.0054	1.1056	0.1104	0.2457	-0.0022	0.3538
1009	18.9	18	0.4338	0.6678	0.0053	1.1069	0.0936	0.2381	-0.0054	0.3264
1010	18.4	17.9	0.4341	0.6681	0.0057	1.1079	0.0882	0.2224	-0.011	0.2996
1011	17.4	17.9	0.4341	0.6681	0.006	1.1082	0.0776	0.2222	-0.0147	0.285
1012	16.8	17.8	0.4342	0.6673	0.0062	1.1077	0.0756	0.2206	-0.0196	0.2766
1013	16.8	17.7	0.4338	0.6673	0.0062	1.1073	0.0729	0.2235	-0.0239	0.2725
1014	17.1	17.5	0.4325	0.6672	0.0062	1.1059	0.0664	0.2125	-0.0242	0.2548
1015	17.7	17.4	0.4315	0.6673	0.0063	1.1051	0.0596	0.2079	-0.0247	0.2428
1016	17.4	17.3	0.4314	0.6673	0.0062	1.1049	0.0614	0.2013	-0.0245	0.2382
1017	16.6	17.2	0.431	0.6672	0.0061	1.1043	0.0625	0.1946	-0.0252	0.2319
1018	17.7	17.1	0.431	0.6671	0.006	1.1041	0.07	0.1976	-0.0268	0.2407
1019	17.3	17	0.4307	0.6668	0.0059	1.1034	0.0734	0.1947	-0.0235	0.2446
1020	17.2	16.8	0.4307	0.6666	0.0059	1.1032	0.0801	0.2057	-0.0232	0.2625
1021	16.6	16.8	0.4298	0.6664	0.0057	1.1019	0.0768	0.2005	-0.0221	0.2552
1022	16.9	16.8	0.4293	0.6661	0.0054	1.1007	0.0757	0.1889	-0.0228	0.2418
1023	16.4	16.8	0.4296	0.665	0.0052	1.0998	0.0851	0.1895	-0.0204	0.2542
1024	15.7	16.8	0.43	0.6642	0.0051	1.0993	0.09	0.1849	-0.0218	0.2531
1025	16.4	16.7	0.4297	0.664	0.0049	1.0986	0.0859	0.1829	-0.0207	0.248
1026	16.9	16.7	0.4298	0.6639	0.0046	1.0983	0.0943	0.1839	-0.0215	0.2567
1027	16.7	16.6	0.4297	0.6637	0.0046	1.098	0.1063	0.1761	-0.0198	0.2626

1028	16	16.5	0.4298	0.6633	0.0047	1.0978	0.114	0.1678	-0.0161	0.2657
1029	16.4	16.5	0.4295	0.6631	0.0049	1.0975	0.1223	0.1643	-0.0154	0.2711
1030	17	16.4	0.4297	0.6624	0.0049	1.097	0.1274	0.1559	-0.0115	0.2717
1031	16.7	16.3	0.4296	0.662	0.0051	1.0968	0.1253	0.1521	-0.0082	0.2692
1032	16.4	16.3	0.4296	0.662	0.0052	1.0968	0.1381	0.1499	-0.0051	0.2829
1033	16.3	16.3	0.4291	0.662	0.0054	1.0965	0.1543	0.1451	-0.0034	0.2961
1034	16.6	16.3	0.4288	0.6618	0.0054	1.096	0.163	0.1421	-0.002	0.3032
1035	16.5	16.2	0.429	0.6618	0.0054	1.0962	0.1716	0.1398	-0.0027	0.3087
1036	15.9	16.2	0.4298	0.6624	0.0051	1.0973	0.1694	0.1386	-0.0037	0.3043
1037	15.7	16.2	0.4303	0.6622	0.0048	1.0973	0.1693	0.1462	-0.0047	0.3109
1038	16.5	16.2	0.4306	0.6622	0.0049	1.0976	0.1721	0.1487	-0.0056	0.3152
1039	15.9	16.2	0.4299	0.6618	0.0046	1.0964	0.1745	0.1568	-0.0073	0.3239
1040	15.6	16.1	0.4296	0.6601	0.0057	1.0954	0.1783	0.1624	-0.0058	0.3349
1041	15.8	16.1	0.4298	0.6601	0.0061	1.096	0.1844	0.1638	-0.0057	0.3426
1042	15.9	16.1	0.4295	0.6606	0.0059	1.096	0.2036	0.1543	-0.0024	0.3555
1043	16.6	16	0.4295	0.66	0.0059	1.0954	0.1964	0.158	-0.0013	0.3532
1044	15	16	0.4287	0.6598	0.0059	1.0944	0.1811	0.1512	-0.0023	0.3301
1045	16	15.9	0.4277	0.6598	0.0059	1.0934	0.1624	0.1587	-0.0063	0.3148
1046	16.9	15.9	0.4268	0.6596	0.0054	1.0918	0.1615	0.1531	-0.0028	0.3118
1047	15.9	15.8	0.4264	0.6596	0.0053	1.0912	0.1525	0.1561	-0.0011	0.3074
1048	16.2	15.8	0.4258	0.6592	0.0052	1.0902	0.1384	0.1595	-0.0024	0.2956
1049	15.8	15.7	0.4254	0.6588	0.005	1.0891	0.1246	0.1555	0.0007	0.2808
1050	16.1	15.7	0.4252	0.6586	0.0045	1.0883	0.1151	0.1493	0.0008	0.2653
1051	16.2	15.7	0.4249	0.6582	0.0045	1.0877	0.0997	0.1467	-0.0014	0.2451
1052	15.9	15.7	0.4255	0.6579	0.0047	1.0881	0.0886	0.1516	-0.0036	0.2367
1053	15.3	15.6	0.4262	0.6566	0.0051	1.0879	0.0804	0.1526	-0.0021	0.2308
1054	15.2	15.6	0.4268	0.6565	0.0052	1.0884	0.0662	0.1523	-0.009	0.2094
1055	15.1	15.5	0.4276	0.6564	0.0051	1.0892	0.0611	0.15	-0.0141	0.197
1056	15	15.4	0.4276	0.6563	0.0053	1.0893	0.0643	0.1459	-0.0125	0.1977
1057	15.1	15.3	0.428	0.6563	0.0057	1.09	0.0709	0.1401	-0.0132	0.1978
1058	15.3	15.3	0.4283	0.6564	0.0061	1.0909	0.0921	0.1376	-0.0105	0.2192
1059	15.5	15.3	0.4284	0.6571	0.0064	1.0919	0.1116	0.1273	-0.0085	0.2304
1060	15.9	15.2	0.429	0.6575	0.0069	1.0933	0.1331	0.1352	-0.0084	0.2599
1061	15.2	15.1	0.4295	0.6573	0.0072	1.094	0.1452	0.1344	-0.003	0.2766
1062	14.6	15.1	0.4299	0.6569	0.0077	1.0945	0.1514	0.1339	0.0017	0.287
1063	14.4	15.1	0.4304	0.6576	0.0077	1.0957	0.1594	0.1257	0.0076	0.2927
1064	15.2	15.1	0.4304	0.658	0.0076	1.096	0.1615	0.1232	0.0074	0.2921

1065	14.9	15.1	0.4303	0.6584	0.0074	1.0961	0.1449	0.1175	0.0059	0.2683
1066	14.8	15.1	0.4305	0.658	0.0072	1.0957	0.1207	0.1192	0.0041	0.244
1067	14.9	15.1	0.4304	0.6575	0.0072	1.095	0.1237	0.1152	0.0059	0.2448
1068	15.6	15.1	0.4295	0.6574	0.0072	1.0942	0.131	0.1145	0.004	0.2495
1069	14.7	15.1	0.4286	0.6569	0.0072	1.0927	0.1385	0.1053	0.0029	0.2467
1070	14.8	15.1	0.4287	0.6579	0.0073	1.0939	0.1269	0.1065	0.0016	0.2349
1071	15.4	15	0.429	0.6582	0.0072	1.0945	0.1194	0.1051	0.001	0.2255
1072	14.9	15	0.429	0.6576	0.0072	1.0939	0.1051	0.1094	-0.0032	0.2114
1073	15.7	15	0.4292	0.6578	0.0075	1.0945	0.0994	0.1048	-0.0098	0.1944
1074	15.8	15	0.4301	0.6574	0.0078	1.0953	0.1066	0.0943	-0.0163	0.1846
1075	14.8	14.9	0.4303	0.6569	0.0079	1.0951	0.1129	0.0864	-0.0183	0.1809
1076	15.1	14.9	0.4297	0.6576	0.0076	1.0949	0.1016	0.0798	-0.0223	0.1592
1077	14.6	14.9	0.4291	0.6574	0.0074	1.0939	0.0913	0.077	-0.0265	0.1418
1078	15.4	14.9	0.4285	0.6574	0.0076	1.0936	0.0838	0.0663	-0.026	0.1241
1079	15.5	14.8	0.4282	0.6579	0.0075	1.0936	0.0825	0.0633	-0.0251	0.1207
1080	15	14.8	0.4285	0.658	0.0076	1.0941	0.0823	0.0656	-0.0217	0.1262
1081	14.6	14.7	0.4277	0.6587	0.0075	1.0939	0.0849	0.0555	-0.0188	0.1217
1082	14.5	14.6	0.427	0.6595	0.0074	1.0939	0.0842	0.0504	-0.0178	0.1168
1083	13.8	14.5	0.4265	0.66	0.0073	1.0938	0.0822	0.0481	-0.0152	0.1151
1084	14.4	14.4	0.4265	0.6602	0.0073	1.094	0.083	0.0483	-0.0119	0.1194
1085	14.6	14.3	0.4266	0.6602	0.0073	1.0941	0.0927	0.0468	-0.0104	0.1291
1086	14.7	14.2	0.4265	0.6588	0.0074	1.0926	0.1034	0.0509	-0.0107	0.1436
1087	14.1	14.1	0.4256	0.6586	0.0073	1.0916	0.116	0.0614	-0.0115	0.166
1088	14.2	14	0.4246	0.6583	0.0074	1.0903	0.1266	0.0672	-0.0144	0.1795
1089	14.6	13.9	0.4242	0.6581	0.0072	1.0895	0.1296	0.0645	-0.0124	0.1817
1090	13.9	13.8	0.4243	0.6574	0.0071	1.0887	0.1302	0.0549	-0.0105	0.1747
1091	13	13.8	0.4221	0.6574	0.0069	1.0864	0.1387	0.0406	0.0006	0.1798
1092	13.8	13.7	0.4216	0.6566	0.0069	1.0851	0.142	0.0458	0.0035	0.1913
1093	12.9	13.7	0.4224	0.6566	0.007	1.0861	0.1364	0.0522	0.0008	0.1894
1094	13.2	13.6	0.4235	0.6564	0.007	1.087	0.1218	0.0539	0	0.1757
1095	13.2	13.5	0.4241	0.6565	0.0068	1.0874	0.1006	0.0521	-0.0003	0.1523
1096	13	13.4	0.4245	0.6563	0.0066	1.0873	0.0862	0.0503	0	0.1365
1097	13.4	13.3	0.4251	0.6561	0.0066	1.0878	0.0808	0.0451	-0.003	0.1229
1098	13.5	13.2	0.4254	0.6561	0.0065	1.088	0.0749	0.045	-0.0031	0.1169
1099	13.2	13.1	0.4252	0.6564	0.0064	1.0881	0.0645	0.0418	-0.0032	0.1031
1100	13.7	13	0.425	0.6566	0.0065	1.0881	0.0603	0.0397	-0.0065	0.0935
1101	13.1	13	0.4242	0.6562	0.0066	1.0869	0.0602	0.0418	-0.011	0.091

1102	13.7	12.9	0.4236	0.6559	0.0062	1.0857	0.0634	0.0388	-0.0077	0.0944
1103	13.3	12.9	0.4236	0.6554	0.0064	1.0855	0.0684	0.0317	-0.0032	0.097
1104	12.7	12.9	0.4241	0.6553	0.0064	1.0857	0.0751	0.0267	0.0006	0.1025
1105	12.6	12.9	0.4238	0.6549	0.0063	1.0849	0.0786	0.0214	0.002	0.102
1106	12	12.8	0.4233	0.6545	0.0064	1.0843	0.0905	0.0244	0.0008	0.1157
1107	12.3	12.8	0.4229	0.6545	0.0064	1.0838	0.0971	0.0274	0.0014	0.1258
1108	12.2	12.7	0.4219	0.6544	0.0062	1.0825	0.103	0.0282	0.0023	0.1335
1109	12.5	12.7	0.4205	0.6543	0.0061	1.0809	0.1017	0.0259	0.0064	0.134
1110	13	12.6	0.4196	0.6547	0.006	1.0802	0.0979	0.0301	0.0089	0.1369
1111	12.3	12.6	0.419	0.6547	0.0058	1.0795	0.0991	0.0321	0.0118	0.143
1112	12.5	12.5	0.4183	0.6547	0.0055	1.0785	0.1027	0.0313	0.0169	0.1509
1113	12.8	12.5	0.4176	0.6549	0.0055	1.0781	0.1081	0.0339	0.0225	0.1646
1114	12.7	12.4	0.418	0.6554	0.0056	1.0791	0.1129	0.0386	0.0203	0.1719
1115	12.1	12.4	0.4195	0.6554	0.0059	1.0807	0.1123	0.0396	0.0231	0.1751
1116	12.8	12.4	0.419	0.6557	0.0056	1.0804	0.1132	0.043	0.0202	0.1765
1117	12.5	12.4	0.4179	0.6557	0.0057	1.0793	0.1169	0.0354	0.0176	0.1699
1118	12.2	12.4	0.4171	0.6566	0.0057	1.0794	0.1187	0.0304	0.0157	0.1648
1119	12.2	12.4	0.418	0.6562	0.0057	1.0799	0.1092	0.0291	0.0162	0.1546
1120	12.3	12.3	0.4187	0.6561	0.0058	1.0806	0.097	0.0216	0.0197	0.1384
1121	12.8	12.3	0.4193	0.6554	0.006	1.0808	0.0955	0.028	0.0232	0.1466
1122	12.7	12.3	0.4193	0.6556	0.0063	1.0813	0.0948	0.0311	0.0225	0.1484
1123	12.1	12.3	0.4189	0.6556	0.0069	1.0814	0.0967	0.0275	0.021	0.1452
1124	11.8	12.2	0.4187	0.6555	0.0069	1.0812	0.1028	0.0308	0.0239	0.1575
1125	11.9	12.3	0.4196	0.656	0.0071	1.0827	0.1135	0.0311	0.0224	0.1671
1126	12.7	12.2	0.4206	0.6562	0.0073	1.0841	0.1182	0.0202	0.0211	0.1595
1127	11.8	12.2	0.4213	0.6571	0.0072	1.0856	0.1107	0.0222	0.0168	0.1496
1128	11.9	12.2	0.4215	0.6569	0.0072	1.0857	0.1116	0.0216	0.016	0.1492
1129	11.9	12.2	0.4213	0.6566	0.0071	1.0849	0.1049	0.0241	0.0172	0.1462
1130	11.9	12.2	0.4212	0.6569	0.0068	1.0848	0.0992	0.0336	0.0174	0.1502
1131	12.3	12.2	0.4212	0.657	0.0069	1.0851	0.1045	0.0362	0.0188	0.1595
1132	12.3	12.2	0.4213	0.6572	0.0067	1.0853	0.096	0.0432	0.0175	0.1567
1133	12.3	12.2	0.4208	0.6572	0.0066	1.0845	0.086	0.0548	0.0164	0.1571
1134	12.2	12.3	0.4195	0.6571	0.0064	1.0831	0.0806	0.0568	0.015	0.1525
1135	12.4	12.3	0.4187	0.6567	0.0065	1.0818	0.0839	0.0567	0.0162	0.1568
1136	12.1	12.2	0.4182	0.6563	0.0063	1.0807	0.0824	0.0589	0.0172	0.1585
1137	12.1	12.3	0.4176	0.6555	0.0062	1.0794	0.0797	0.0472	0.0168	0.1437
1138	12.4	12.3	0.4176	0.6558	0.0061	1.0794	0.0733	0.0429	0.0123	0.1286

1139	12.6	12.3	0.4169	0.6563	0.0057	1.0789	0.0652	0.0381	0.014	0.1173
1140	12.8	12.3	0.4158	0.656	0.0056	1.0774	0.0595	0.0407	0.0143	0.1145
1141	12.8	12.3	0.4156	0.6555	0.0057	1.0768	0.0611	0.0332	0.014	0.1083
1142	12	12.3	0.4159	0.6554	0.0058	1.0771	0.0371	0.0403	0.0111	0.0885
1143	12.3	12.3	0.4173	0.6546	0.0059	1.0778	0.0309	0.0315	0.0088	0.0712
1144	12	12.2	0.4186	0.6546	0.0059	1.0791	0.0412	0.0321	0.0083	0.0816
1145	12.2	12.2	0.419	0.6548	0.0059	1.0797	0.0504	0.0285	0.0063	0.0852
1146	12.4	12.1	0.4187	0.6551	0.0057	1.0795	0.0542	0.0298	0.0015	0.0855
1147	12.3	12.1	0.4189	0.6551	0.0056	1.0795	0.0519	0.0263	-0.0051	0.0731
1148	12.3	12.1	0.4193	0.655	0.0056	1.0799	0.0477	0.0218	-0.0056	0.0639
1149	12	12	0.4194	0.6548	0.0056	1.0798	0.0464	0.0194	-0.0101	0.0558
1150	12.4	12	0.4191	0.6544	0.0056	1.0792	0.0388	0.0151	-0.0137	0.0402
1151	12	11.9	0.4185	0.6543	0.0053	1.0782	0.0365	0.0139	-0.0101	0.0403
1152	11.6	11.9	0.4187	0.6547	0.005	1.0784	0.0282	0.0109	-0.0085	0.0307
1153	11.3	11.8	0.4187	0.6539	0.005	1.0776	0.0196	0.0122	-0.0144	0.0174
1154	11.4	11.8	0.4189	0.6543	0.005	1.0782	0.019	0.0065	-0.0097	0.0157
1155	11.7	11.8	0.4186	0.654	0.005	1.0776	0.0236	0.001	-0.0093	0.0152
1156	11.8	11.8	0.4179	0.6536	0.0052	1.0768	0.0196	-0.0042	-0.0109	0.0044
1157	11.2	11.8	0.4177	0.6535	0.0055	1.0767	0.0179	-0.0081	-0.0107	-0.0009
1158	11.7	11.7	0.4182	0.6538	0.0055	1.0775	0.0147	-0.0051	-0.0136	-0.004
1159	11.8	11.7	0.4186	0.6541	0.0055	1.0782	0.0076	-0.0035	-0.0153	-0.0112
1160	11.8	11.7	0.4191	0.6542	0.0057	1.079	0.0075	-0.0065	-0.0171	-0.0161
1161	11.3	11.7	0.4192	0.6542	0.0055	1.0789	0.0167	0.0011	-0.0185	-0.0007
1162	11.9	11.7	0.4191	0.6535	0.0054	1.078	0.019	0.0022	-0.0198	0.0015
1163	11.6	11.7	0.4191	0.6537	0.0057	1.0785	0.0162	0.0029	-0.0204	-0.0013
1164	11.6	11.7	0.4192	0.654	0.0053	1.0785	0.0256	0.0065	-0.0169	0.0152
1165	12.3	11.7	0.419	0.6541	0.0054	1.0785	0.0418	0.0175	-0.0141	0.0452
1166	11.8	11.7	0.4188	0.6544	0.0054	1.0787	0.0605	0.0153	-0.0128	0.063
1167	11.6	11.7	0.4185	0.6544	0.0056	1.0785	0.065	0.0216	-0.0161	0.0705
1168	12	11.7	0.4186	0.6545	0.0056	1.0787	0.0662	0.0203	-0.0131	0.0734
1169	12	11.6	0.4189	0.6547	0.0053	1.0788	0.0652	0.0295	-0.013	0.0817
1170	11.6	11.6	0.4192	0.6551	0.005	1.0792	0.0636	0.0264	-0.0153	0.0746
1171	11.6	11.6	0.4196	0.6551	0.005	1.0796	0.0595	0.0264	-0.0167	0.0692
1172	11.1	11.6	0.4193	0.6549	0.0051	1.0794	0.0599	0.0165	-0.0138	0.0626
1173	11.6	11.5	0.419	0.6547	0.0051	1.0788	0.0723	0.019	-0.0114	0.0799
1174	11.5	11.5	0.4187	0.6543	0.0055	1.0786	0.0772	0.0176	-0.0045	0.0904
1175	11.5	11.4	0.4185	0.6548	0.0058	1.0791	0.0781	0.0208	-0.0039	0.095

1176	11.4	11.4	0.4187	0.6553	0.0059	1.0799	0.1037	0.0298	0.0009	0.1343
1177	11.3	11.4	0.4179	0.6552	0.0058	1.0789	0.1152	0.0303	0.002	0.1475
1178	10.9	11.5	0.418	0.655	0.0059	1.0789	0.1161	0.0383	0.0041	0.1585
1179	11.6	11.5	0.4183	0.6545	0.0058	1.0786	0.1138	0.0464	0.006	0.1662
1180	11.4	11.5	0.418	0.6544	0.0057	1.0781	0.1148	0.0385	0.0053	0.1586
1181	11.3	11.5	0.418	0.6544	0.0057	1.0782	0.1191	0.0417	0.0047	0.1656
1182	11	11.6	0.4184	0.6541	0.0058	1.0782	0.1213	0.0415	0.0045	0.1673
1183	10.9	11.6	0.4184	0.6543	0.0058	1.0786	0.1193	0.0434	0.002	0.1646
1184	11.1	11.6	0.4181	0.6545	0.0057	1.0784	0.1033	0.0522	0.0003	0.1559
1185	12.1	11.6	0.4183	0.6543	0.0056	1.0782	0.0786	0.0518	-0.0016	0.1287
1186	11.5	11.6	0.4185	0.6541	0.0057	1.0782	0.0626	0.0471	-0.0019	0.1078
1187	12.3	11.6	0.4183	0.6543	0.0061	1.0787	0.0535	0.0507	-0.006	0.0982
1188	12.3	11.6	0.4181	0.6545	0.006	1.0786	0.0432	0.0405	-0.0087	0.075
1189	12.7	11.7	0.4183	0.654	0.0058	1.078	0.0311	0.043	-0.0091	0.0649
1190	11.8	11.7	0.4181	0.654	0.0057	1.0779	0.022	0.0498	-0.0111	0.0607
1191	11.7	11.7	0.4184	0.6533	0.0058	1.0776	0.0089	0.0472	-0.0158	0.0402
1192	11.8	11.8	0.4185	0.6534	0.006	1.078	0.0091	0.0476	-0.0148	0.0419
1193	11.7	11.8	0.4183	0.6534	0.0062	1.0779	0.0073	0.0449	-0.0135	0.0387
1194	11.7	11.9	0.4185	0.6536	0.0064	1.0785	0.0198	0.0365	-0.012	0.0443
1195	11.9	11.9	0.4187	0.6536	0.0066	1.0789	0.0343	0.038	-0.013	0.0593
1196	11.3	12	0.4193	0.6536	0.0071	1.08	0.0388	0.0374	-0.0153	0.061
1197	11.2	12	0.4203	0.654	0.0071	1.0814	0.0309	0.0416	-0.0166	0.0559
1198	11.8	12.1	0.4208	0.6541	0.0075	1.0824	0.0304	0.0445	-0.0176	0.0572
1199	11.8	12.1	0.4214	0.6549	0.0078	1.0841	0.0385	0.0405	-0.0151	0.064
1200	11.9	12.1	0.4213	0.6552	0.0075	1.084	0.0476	0.0393	-0.0147	0.0721
1201	12.2	12.1	0.4213	0.6551	0.0074	1.0839	0.0467	0.0373	-0.0127	0.0713
1202	12.1	12.1	0.4216	0.6547	0.0076	1.084	0.0387	0.0429	-0.0106	0.0711
1203	12	12.1	0.4217	0.6548	0.0074	1.0839	0.0335	0.0376	-0.0167	0.0545
1204	12.6	12.2	0.4217	0.6552	0.0073	1.0842	0.0333	0.0345	-0.02	0.0479
1205	13.2	12.2	0.4218	0.6553	0.0073	1.0844	0.0305	0.0375	-0.02	0.048
1206	13	12.3	0.4215	0.6554	0.0075	1.0844	0.0134	0.0343	-0.0197	0.028
1207	12.7	12.3	0.4215	0.655	0.0077	1.0842	0.0007	0.0353	-0.0179	0.0182
1208	13	12.3	0.4212	0.6548	0.0077	1.0837	-0.0037	0.0355	-0.0157	0.016
1209	11.8	12.3	0.4197	0.655	0.0079	1.0825	0.0033	0.0394	-0.0186	0.0241
1210	11.7	12.3	0.418	0.6545	0.0078	1.0803	0.015	0.0418	-0.0207	0.036
1211	12.4	12.3	0.4171	0.6544	0.0078	1.0793	0.0272	0.0409	-0.0182	0.0499
1212	11.7	12.3	0.4167	0.6544	0.0075	1.0786	0.0332	0.0385	-0.0192	0.0525

1213	12.7	12.3	0.4151	0.6543	0.0072	1.0765	0.0393	0.0355	-0.0195	0.0553
1214	12.2	12.2	0.4138	0.6537	0.007	1.0746	0.0451	0.0407	-0.0168	0.0689
1215	12.6	12.2	0.4134	0.6539	0.0072	1.0744	0.0494	0.0415	-0.0226	0.0682
1216	12.1	12.2	0.4125	0.6536	0.0072	1.0733	0.0441	0.0397	-0.0211	0.0628
1217	11.8	12.2	0.4113	0.6537	0.007	1.072	0.027	0.0508	-0.0195	0.0583
1218	11.7	12.2	0.4106	0.6536	0.007	1.0712	0.019	0.0451	-0.0218	0.0423
1219	11.8	12.1	0.4116	0.6535	0.0073	1.0724	0.0204	0.0519	-0.0231	0.0492
1220	11.9	12.2	0.4128	0.6535	0.0075	1.0737	0.0246	0.0552	-0.0257	0.0542
1221	12	12.1	0.4133	0.6538	0.0074	1.0745	0.0317	0.0567	-0.0292	0.0593
1222	12	12.1	0.4121	0.6537	0.0075	1.0733	0.041	0.0526	-0.0293	0.0643
1223	12	12.1	0.4112	0.6538	0.0073	1.0723	0.038	0.0478	-0.0275	0.0582
1224	12.1	12	0.4109	0.6535	0.0073	1.0717	0.0274	0.0372	-0.0273	0.0373
1225	13.2	12	0.4092	0.6531	0.007	1.0693	0.0104	0.0263	-0.0231	0.0136
1226	12.5	12	0.4091	0.6531	0.0071	1.0693	-0.0036	0.0348	-0.0237	0.0075
1227	13.1	12	0.4097	0.6532	0.0068	1.0697	-0.0021	0.042	-0.0263	0.0136
1228	11.5	12	0.4102	0.6523	0.0066	1.0691	-0.0098	0.0434	-0.0295	0.004
1229	11.8	12.1	0.4098	0.6527	0.0065	1.0691	-0.0134	0.0409	-0.0301	-0.0026
1230	11.8	12.1	0.4093	0.6527	0.0063	1.0683	-0.0129	0.0295	-0.0323	-0.0157
1231	11.6	12.1	0.4091	0.6529	0.0064	1.0684	-0.0243	0.0287	-0.0307	-0.0263
1232	11.5	12.1	0.4094	0.6529	0.0065	1.0688	-0.0282	0.0196	-0.0275	-0.0361
1233	11.7	12.1	0.4104	0.652	0.0066	1.069	-0.022	0.0207	-0.027	-0.0283
1234	12.3	12.1	0.4116	0.6519	0.0066	1.0702	-0.0156	0.0223	-0.0273	-0.0207
1235	12.3	12	0.4124	0.6519	0.0067	1.071	-0.0098	0.0281	-0.0279	-0.0095
1236	11.7	11.9	0.4128	0.6512	0.0068	1.0709	0.0031	0.0321	-0.0283	0.0069
1237	12	11.9	0.4133	0.6515	0.0071	1.0719	0.0106	0.0351	-0.0304	0.0154
1238	12.3	11.9	0.4145	0.6515	0.007	1.073	0.0126	0.0371	-0.0281	0.0216
1239	12.3	11.9	0.4147	0.6514	0.0068	1.0729	0.0164	0.0367	-0.0277	0.0255
1240	12.1	11.9	0.4149	0.6513	0.0072	1.0734	0.0229	0.0314	-0.0275	0.0268
1241	11.9	12	0.4147	0.6508	0.0072	1.0726	0.0259	0.0292	-0.028	0.0271
1242	11.8	12	0.4151	0.6509	0.0072	1.0732	0.0321	0.0238	-0.0242	0.0317
1243	12.1	12	0.4153	0.651	0.0071	1.0734	0.0423	0.0286	-0.0206	0.0503
1244	11.8	12	0.4152	0.6508	0.0072	1.0732	0.0483	0.0213	-0.02	0.0497
1245	11.3	12	0.4152	0.651	0.0074	1.0736	0.0541	0.0278	-0.0171	0.0648
1246	11.6	12	0.4156	0.651	0.0074	1.0739	0.0604	0.0292	-0.0162	0.0734
1247	11.9	12.1	0.4159	0.6506	0.0073	1.0738	0.0724	0.0307	-0.0124	0.0907
1248	12.3	12.1	0.4155	0.6509	0.0071	1.0735	0.0857	0.0338	-0.0098	0.1097
1249	12.3	12.1	0.4146	0.6509	0.0071	1.0726	0.0926	0.0349	-0.0051	0.1223

1250	12.4	12.1	0.4145	0.6507	0.0069	1.072	0.1003	0.041	-0.001	0.1403
1251	12	12.1	0.4147	0.6501	0.0064	1.0711	0.1093	0.0398	-0.0006	0.1486
1252	11.7	12.1	0.4153	0.651	0.0067	1.073	0.1161	0.0393	0.0011	0.1565
1253	12.2	12.1	0.4154	0.6505	0.007	1.0729	0.1202	0.0376	0.0034	0.1611
1254	12.4	12.1	0.4159	0.6506	0.007	1.0734	0.1189	0.0376	0.0024	0.1589
1255	12.5	12.2	0.4172	0.6506	0.007	1.0748	0.1246	0.0404	0.002	0.167
1256	12.1	12.3	0.4179	0.6501	0.007	1.0749	0.1281	0.0355	0.0025	0.166
1257	12.5	12.3	0.4181	0.6499	0.0071	1.0751	0.1221	0.0473	0.0028	0.1723
1258	12.3	12.3	0.4178	0.6499	0.0074	1.0751	0.1183	0.0371	0.0021	0.1574
1259	12.4	12.3	0.4171	0.6499	0.0076	1.0746	0.114	0.037	0.0018	0.1528
1260	12	12.3	0.4164	0.6501	0.0075	1.074	0.1017	0.043	0.0052	0.1498
1261	12.5	12.3	0.4159	0.6503	0.0075	1.0737	0.0876	0.0355	0.0062	0.1293
1262	11.9	12.3	0.4152	0.65	0.0074	1.0725	0.0801	0.036	0.005	0.1211
1263	12.2	12.3	0.4146	0.6497	0.0074	1.0716	0.073	0.0374	0.0009	0.1113
1264	12.8	12.3	0.4142	0.6499	0.0076	1.0717	0.0526	0.0354	-0.0022	0.0858
1265	12.3	12.3	0.4146	0.6501	0.0075	1.0722	0.0392	0.0274	-0.0024	0.0642
1266	12.4	12.2	0.4161	0.6494	0.0074	1.0728	0.0392	0.0235	0.0003	0.063
1267	12.7	12.2	0.4166	0.6499	0.0078	1.0743	0.0383	0.0193	0.0005	0.058
1268	12.2	12.2	0.4166	0.6493	0.0079	1.0738	0.0298	0.0211	-0.0019	0.049
1269	11.9	12.2	0.4164	0.6492	0.0078	1.0734	0.0238	0.0219	-0.002	0.0436
1270	11.8	12.1	0.416	0.6494	0.0079	1.0733	0.028	0.0202	-0.0001	0.0481
1271	12.4	12.1	0.4155	0.6498	0.0079	1.0732	0.034	0.0213	0.0034	0.0587
1272	12.7	12.1	0.4155	0.6501	0.0079	1.0736	0.0452	0.0234	0.0056	0.0741
1273	12.1	12.1	0.4162	0.651	0.0078	1.075	0.0356	0.0242	0.0072	0.067
1274	11.8	12.1	0.4177	0.6517	0.0079	1.0772	0.0258	0.0225	0.0072	0.0554
1275	11.6	12.1	0.4189	0.6513	0.0082	1.0784	0.0247	0.0232	0.008	0.0559
1276	12.1	12	0.4189	0.6511	0.0085	1.0785	0.0115	0.0207	0.0044	0.0365
1277	11.8	12	0.4189	0.6509	0.0088	1.0785	0.0127	0.0211	0.0064	0.0402
1278	12.4	12	0.4194	0.6509	0.0089	1.0792	0.0223	0.025	0.0039	0.0513
1279	11.4	12	0.4196	0.6515	0.009	1.0801	0.0259	0.0131	0.002	0.0411
1280	12	12.1	0.4205	0.6516	0.0088	1.0808	0.0239	0.0187	0.0004	0.043
1281	12	12	0.4209	0.6524	0.0085	1.0818	0.0219	0.0191	-0.0048	0.0362
1282	12.1	12	0.4206	0.652	0.0085	1.0811	0.0206	0.0152	-0.0065	0.0293
1283	12.2	12	0.42	0.6521	0.0085	1.0806	0.0232	0.0168	-0.0042	0.0358
1284	11.7	11.9	0.4191	0.6517	0.0085	1.0793	0.0338	0.0109	-0.004	0.0407
1285	12.2	12	0.418	0.6511	0.0084	1.0776	0.0471	0.0139	-0.002	0.0589
1286	12.5	11.9	0.4174	0.6506	0.0087	1.0767	0.0516	0.0136	-0.0013	0.0639

1287	12.3	11.9	0.417	0.6506	0.0089	1.0766	0.0522	0.0009	-0.0004	0.0527
1288	12.1	11.8	0.4165	0.6509	0.0088	1.0761	0.0561	0.0055	-0.0009	0.0606
1289	11.9	11.8	0.416	0.6509	0.0085	1.0754	0.0669	0.0066	-0.0023	0.0712
1290	12.1	11.8	0.4156	0.6511	0.0085	1.0752	0.0683	0.0061	-0.0026	0.0718
1291	11.8	11.7	0.4152	0.651	0.0082	1.0744	0.0714	0.0051	0.0028	0.0793
1292	11.5	11.7	0.4143	0.6506	0.0081	1.073	0.074	0	0.003	0.077
1293	11.5	11.7	0.4135	0.6513	0.0082	1.0729	0.0814	-0.0012	0.0018	0.082
1294	12.3	11.6	0.413	0.6508	0.0081	1.072	0.0841	0.0025	0.0031	0.0897
1295	11.3	11.5	0.4127	0.6506	0.0082	1.0715	0.0835	0.0012	0.0054	0.0901
1296	11.2	11.5	0.4121	0.6506	0.0083	1.0709	0.079	0.01	0.0074	0.0963
1297	10.9	11.5	0.4117	0.6506	0.0081	1.0704	0.0769	0.0055	0.0085	0.091
1298	11.4	11.4	0.4115	0.6507	0.0081	1.0702	0.0785	-0.0002	0.0082	0.0865
1299	11.3	11.4	0.4113	0.6508	0.0079	1.07	0.0713	0.0051	0.0037	0.0802
1300	11	11.3	0.4104	0.6513	0.0076	1.0692	0.0625	0.0081	0.0021	0.0727
1301	11.4	11.3	0.4097	0.6512	0.0073	1.0682	0.0642	0.0042	-0.0007	0.0677
1302	11.2	11.3	0.4096	0.651	0.0073	1.0679	0.0691	-0.0033	-0.0038	0.0619
1303	11.2	11.3	0.4099	0.651	0.0071	1.068	0.0796	0.0059	-0.0011	0.0844
1304	10.7	11.2	0.4093	0.6511	0.0071	1.0675	0.0827	0.0011	0.002	0.0857
1305	11.4	11.2	0.409	0.6517	0.0071	1.0678	0.0926	0.0078	0.0048	0.1052
1306	11.9	11.2	0.4093	0.6506	0.0072	1.0672	0.1061	0.0122	0.005	0.1233
1307	11.1	11.2	0.4096	0.6513	0.0075	1.0685	0.1156	0.0016	0.0053	0.1226
1308	11	11.1	0.4098	0.6511	0.0076	1.0684	0.1161	0.003	0.0088	0.1279
1309	11.5	11.1	0.4095	0.6507	0.0073	1.0675	0.1085	0.0045	0.0128	0.1258
1310	11.3	11.1	0.4092	0.651	0.0072	1.0674	0.0989	0.0029	0.0156	0.1174
1311	11	11.1	0.409	0.6509	0.0073	1.0672	0.0903	0.003	0.0144	0.1076
1312	11	11.1	0.4094	0.6507	0.0074	1.0675	0.0848	0.0043	0.0146	0.1037
1313	11.1	11.1	0.4098	0.6508	0.0074	1.068	0.0772	-0.0004	0.0124	0.0892
1314	10.8	11.1	0.4099	0.651	0.0073	1.0681	0.0722	-0.0024	0.0118	0.0816
1315	11	11.1	0.4095	0.6515	0.0071	1.0681	0.071	-0.001	0.0122	0.0822
1316	10.7	11	0.4087	0.6516	0.0072	1.0675	0.0722	-0.0041	0.0111	0.0792
1317	10.3	11	0.4083	0.6516	0.0072	1.0671	0.087	-0.0094	0.0091	0.0867
1318	11.3	11	0.4082	0.6515	0.0072	1.0669	0.0871	-0.0015	0.0131	0.0987
1319	11.3	11	0.4088	0.6515	0.0073	1.0676	0.0848	-0.0114	0.013	0.0863
1320	11.1	11	0.4094	0.6513	0.0071	1.0678	0.0825	-0.0145	0.0142	0.0822
1321	10.9	10.9	0.4088	0.6515	0.0069	1.0671	0.0797	-0.0113	0.0145	0.083
1322	11.2	10.9	0.4085	0.6513	0.0068	1.0666	0.0772	-0.0081	0.013	0.0822
1323	11.1	10.9	0.4086	0.6516	0.0066	1.0668	0.0801	-0.0019	0.0134	0.0916

1324	10.8	10.8	0.4084	0.6511	0.0065	1.0661	0.0872	0.0072	0.013	0.1074
1325	10.7	10.8	0.4081	0.651	0.0066	1.0656	0.1014	0.0125	0.0137	0.1275
1326	11	10.8	0.4078	0.651	0.0065	1.0653	0.1143	0.0156	0.0177	0.1476
1327	11.1	10.7	0.4075	0.6507	0.0064	1.0646	0.1154	0.0152	0.022	0.1526
1328	10.9	10.7	0.4076	0.651	0.0064	1.065	0.1182	0.0162	0.0254	0.1598
1329	11	10.6	0.4074	0.6509	0.0065	1.0648	0.1244	0.0145	0.0278	0.1666
1330	9.88	10.5	0.4071	0.6508	0.0068	1.0647	0.1279	0.0181	0.029	0.175
1331	10.6	10.5	0.407	0.6513	0.0071	1.0654	0.1375	0.0231	0.0257	0.1863
1332	10.6	10.4	0.4071	0.6512	0.0069	1.0652	0.1404	0.0348	0.0219	0.1972
1333	10.1	10.3	0.4071	0.6509	0.007	1.0649	0.1338	0.029	0.0204	0.1831
1334	10.4	10.3	0.4069	0.6506	0.0068	1.0643	0.122	0.0312	0.0176	0.1707
1335	10.2	10.2	0.4072	0.6506	0.0068	1.0646	0.1099	0.0199	0.0192	0.1489
1336	10	10.2	0.4076	0.6511	0.0069	1.0656	0.0995	0.0081	0.0201	0.1277
1337	9.75	10.1	0.4077	0.6509	0.0072	1.0658	0.0928	0.0031	0.0228	0.1186
1338	9.92	10.1	0.4078	0.6508	0.0072	1.0658	0.0857	0.0001	0.0256	0.1113
1339	9.97	10.1	0.4079	0.6507	0.0071	1.0657	0.0753	0.0037	0.0239	0.1029
1340	9.89	10.1	0.4077	0.6508	0.0069	1.0655	0.071	0.0067	0.0214	0.0992
1341	9.82	10.1	0.4073	0.6508	0.0069	1.0649	0.0708	0.0104	0.0202	0.1014
1342	9.87	10.1	0.407	0.651	0.007	1.065	0.069	0.0019	0.0163	0.0872
1343	10	10.1	0.4069	0.6508	0.0068	1.0644	0.0608	-0.0106	0.016	0.0662
1344	9.59	10.1	0.4068	0.6506	0.0067	1.0642	0.0519	-0.0012	0.0227	0.0734
1345	9.72	10.1	0.4073	0.65	0.0067	1.064	0.0375	-0.0008	0.017	0.0537
1346	10.1	10.1	0.4079	0.6504	0.0065	1.0648	0.0342	0.0014	0.0105	0.0461
1347	10.3	10.1	0.408	0.6507	0.0065	1.0652	0.031	0.0048	0.0116	0.0474
1348	10.5	10.1	0.4083	0.6504	0.0067	1.0654	0.0294	0.0075	0.0122	0.049
1349	10.5	10.1	0.4084	0.6501	0.0069	1.0653	0.0356	0.0045	0.0135	0.0537
1350	10.7	10.1	0.4081	0.6502	0.0069	1.0652	0.0436	0.0089	0.0119	0.0643
1351	10.4	10.1	0.4078	0.6504	0.0068	1.0649	0.0357	0.0167	0.0079	0.0603
1352	10.2	10.2	0.4074	0.6504	0.0068	1.0645	0.0266	0.0209	0.0067	0.0542
1353	9.98	10.2	0.4071	0.6504	0.0068	1.0643	0.025	0.0182	0.0047	0.0479
1354	9.84	10.2	0.4066	0.6498	0.0065	1.0629	0.0259	0.0236	-0.0002	0.0494
1355	10	10.2	0.4066	0.6494	0.0065	1.0625	0.0204	0.0241	-0.0019	0.0426
1356	10.1	10.2	0.4063	0.6499	0.0065	1.0627	0.0209	0.0319	-0.001	0.0519
1357	10.5	10.2	0.4065	0.6496	0.0062	1.0623	0.0264	0.0195	0.0002	0.0461
1358	9.9	10.2	0.407	0.6494	0.0061	1.0625	0.0319	0.024	0.0022	0.0581
1359	10.1	10.2	0.4072	0.6496	0.006	1.0629	0.037	0.0232	0.0029	0.063
1360	10.6	10.1	0.4073	0.6498	0.0061	1.0632	0.0316	0.0226	0.0021	0.0563

1361	10.2	10.1	0.4074	0.6499	0.006	1.0633	0.0298	0.0224	-0.0003	0.0519
1362	10.2	10.1	0.4075	0.65	0.0061	1.0636	0.0381	0.0203	-0.0004	0.0579
1363	10.3	10.1	0.4074	0.6499	0.0062	1.0635	0.0422	0.0196	0.001	0.0628
1364	10.1	10.1	0.4071	0.65	0.0064	1.0635	0.0413	0.024	0.0026	0.0678
1365	10.1	10.1	0.4073	0.6505	0.0064	1.0643	0.0368	0.0246	-0.0009	0.0606
1366	10.4	10.1	0.4074	0.6503	0.0065	1.0642	0.031	0.0255	-0.0068	0.0498
1367	9.53	10	0.4079	0.6501	0.0065	1.0644	0.0224	0.0235	-0.01	0.036
1368	10.1	10	0.4081	0.6505	0.0066	1.0652	0.0188	0.0245	-0.0096	0.0337
1369	10.1	10.1	0.4082	0.6506	0.0064	1.0652	0.0159	0.0266	-0.0097	0.0328
1370	10	10	0.408	0.6505	0.0064	1.065	0.0202	0.0328	-0.0091	0.0438
1371	9.77	10	0.4077	0.6506	0.0066	1.065	0.0247	0.0261	-0.0116	0.0392
1372	9.65	10	0.4075	0.6503	0.0066	1.0644	0.0148	0.0141	-0.0173	0.0116
1373	10	10	0.4075	0.6502	0.0065	1.0643	0.0091	0.0168	-0.0165	0.0094
1374	9.7	10	0.4075	0.6504	0.0065	1.0644	0.006	0.0117	-0.0188	-0.0011
1375	10	10.1	0.4074	0.6498	0.0064	1.0636	0.0051	0.0114	-0.019	-0.0025
1376	9.52	10.1	0.4073	0.6496	0.0063	1.0633	0.0044	0.0144	-0.0187	0.0001
1377	10.3	10.1	0.4071	0.6493	0.0062	1.0626	0.0047	0.0161	-0.0208	0
1378	10.6	10.2	0.4069	0.6495	0.0061	1.0625	0.0033	0.0132	-0.0206	-0.0041
1379	10.1	10.2	0.4068	0.6497	0.0061	1.0626	0.0057	0.0166	-0.0174	0.005
1380	9.85	10.2	0.4067	0.6492	0.0062	1.0621	0.0059	0.0208	-0.0144	0.0123
1381	9.94	10.2	0.4068	0.649	0.0063	1.0621	0.0081	0.0194	-0.0089	0.0186
1382	10.7	10.2	0.4072	0.6491	0.0065	1.0628	0.0138	0.0247	-0.0052	0.0333
1383	10.3	10.2	0.4078	0.649	0.0068	1.0636	0.0134	0.0243	-0.0051	0.0327
1384	10.8	10.3	0.4081	0.6497	0.0066	1.0644	0.005	0.0213	-0.0054	0.0209
1385	10.7	10.3	0.4081	0.6503	0.0064	1.0648	-0.0087	0.0191	-0.005	0.0053
1386	10.3	10.4	0.4082	0.6502	0.0064	1.0648	-0.0076	0.0191	-0.0073	0.0042
1387	10.6	10.4	0.4085	0.6506	0.0063	1.0654	-0.0036	0.0222	-0.0104	0.0081
1388	10.3	10.4	0.4089	0.6505	0.0064	1.0658	-0.0004	0.0225	-0.0089	0.0131
1389	10.6	10.4	0.4089	0.6502	0.0064	1.0655	0.002	0.0245	-0.006	0.0205
1390	10.1	10.5	0.4085	0.6501	0.0065	1.065	0.0035	0.0275	-0.0064	0.0246
1391	10	10.5	0.4083	0.6508	0.0066	1.0657	0.0048	0.0249	-0.0073	0.0224
1392	10.1	10.5	0.4082	0.6516	0.0065	1.0663	0.0027	0.0214	-0.0065	0.0177
1393	10.3	10.5	0.4083	0.6514	0.0059	1.0656	0.0005	0.0238	-0.0026	0.0217
1394	10.8	10.5	0.4093	0.6509	0.0064	1.0666	-0.0024	0.0245	-0.0037	0.0183
1395	10.7	10.4	0.4092	0.6505	0.0072	1.0669	-0.0021	0.0244	-0.005	0.0173
1396	10.9	10.4	0.409	0.6501	0.0071	1.0662	0.0052	0.0195	-0.0052	0.0195
1397	10.8	10.4	0.4088	0.6498	0.0069	1.0655	0.0111	0.0209	-0.0075	0.0245

1398	10.5	10.4	0.4079	0.6502	0.0067	1.0648	0.0072	0.025	-0.006	0.0263
1399	10.7	10.4	0.407	0.6499	0.0067	1.0636	0.0113	0.0188	-0.007	0.0232
1400	10.8	10.4	0.4068	0.6496	0.0068	1.0631	0.0124	0.0202	-0.0052	0.0274
1401	10.3	10.4	0.4071	0.6491	0.0067	1.0628	0.014	0.0161	-0.0026	0.0275
1402	10.5	10.4	0.4071	0.6492	0.0068	1.0631	0.0181	0.0221	-0.0046	0.0356
1403	10.3	10.4	0.4073	0.6487	0.0071	1.0631	0.0153	0.0206	-0.0058	0.03
1404	9.78	10.4	0.4072	0.6487	0.0073	1.0632	0.0121	0.0182	-0.0074	0.0229
1405	10.3	10.3	0.4069	0.6486	0.0072	1.0627	0.0126	0.0146	-0.0099	0.0173
1406	9.86	10.3	0.4067	0.6487	0.0072	1.0626	0.0164	0.0146	-0.0096	0.0215
1407	9.84	10.3	0.4064	0.6489	0.0073	1.0627	0.01	0.0256	-0.0097	0.0259
1408	10.4	10.2	0.4061	0.6488	0.0073	1.0621	0.0078	0.0235	-0.0143	0.0171
1409	9.97	10.2	0.4064	0.6484	0.0071	1.0619	0.0157	0.0249	-0.0186	0.022
1410	10.4	10.2	0.4062	0.6487	0.0072	1.0622	0.0254	0.0283	-0.0188	0.0348
1411	10.3	10.2	0.4052	0.6488	0.0073	1.0614	0.0283	0.0383	-0.0175	0.0491
1412	10.3	10.2	0.4051	0.6487	0.0073	1.0612	0.028	0.0405	-0.0111	0.0574
1413	10.3	10.1	0.4057	0.6484	0.0071	1.0612	0.0315	0.0326	-0.0098	0.0543
1414	10.3	10.1	0.4062	0.6485	0.0073	1.0621	0.0293	0.0313	-0.009	0.0516
1415	9.95	10.1	0.4064	0.649	0.0078	1.0632	0.0245	0.0297	-0.0083	0.0459
1416	10.2	10.1	0.4065	0.6493	0.0082	1.0639	0.0237	0.0359	-0.0118	0.0478
1417	10.2	10.1	0.4064	0.6491	0.0082	1.0637	0.0142	0.0323	-0.0138	0.0327
1418	9.96	10.1	0.4066	0.6488	0.0082	1.0636	0.011	0.0272	-0.0154	0.0227
1419	10.3	10.1	0.4068	0.6482	0.0082	1.0632	0.0115	0.0287	-0.0171	0.0231
1420	10.3	10.1	0.4069	0.6487	0.0083	1.0639	0.0143	0.0287	-0.0226	0.0204
1421	10.3	10.1	0.4073	0.65	0.0086	1.0659	0.0105	0.0246	-0.0242	0.011
1422	9.43	10.1	0.4076	0.6496	0.0084	1.0656	0.005	0.0259	-0.0251	0.0058
1423	9.77	10	0.408	0.6504	0.0085	1.0669	-0.0033	0.022	-0.0264	-0.0076
1424	9.84	10	0.4079	0.65	0.0084	1.0663	-0.0068	0.0244	-0.0274	-0.0098
1425	9.8	10.1	0.4076	0.6495	0.0084	1.0656	-0.0066	0.0257	-0.0272	-0.008
1426	9.78	10.1	0.4074	0.6494	0.0085	1.0653	-0.0046	0.0224	-0.026	-0.0082
1427	10.1	10.1	0.4072	0.6494	0.0085	1.065	-0.0081	0.02	-0.0266	-0.0146
1428	10.5	10.1	0.407	0.6493	0.0081	1.0645	-0.0149	0.0184	-0.0254	-0.0218
1429	10.2	10	0.4068	0.6488	0.0079	1.0635	-0.0136	0.0178	-0.0241	-0.0199
1430	10	10	0.4063	0.6488	0.0077	1.0628	-0.0125	0.0274	-0.0247	-0.0098
1431	9.95	10	0.4056	0.6489	0.0076	1.0621	-0.0029	0.0179	-0.0223	-0.0072
1432	9.8	10.1	0.4058	0.6488	0.0074	1.0619	0.0168	0.0153	-0.0195	0.0125
1433	10	10.1	0.4065	0.6487	0.0075	1.0628	0.0324	0.0205	-0.0174	0.0356
1434	10.6	10.1	0.4078	0.6486	0.0073	1.0638	0.0447	0.0176	-0.0148	0.0475

1435	10	10.1	0.408	0.6487	0.0075	1.0642	0.0522	0.0305	-0.0157	0.067
1436	10.4	10.1	0.408	0.6489	0.0079	1.0648	0.0463	0.0368	-0.0159	0.0673
1437	10.2	10.1	0.4078	0.6487	0.0081	1.0645	0.0365	0.0406	-0.0179	0.0592
1438	9.51	10.1	0.4076	0.6484	0.0078	1.0638	0.036	0.0404	-0.0214	0.055
1439	10.1	10.1	0.4075	0.648	0.0077	1.0632	0.0501	0.0442	-0.0223	0.072
1440	10.3	10.2	0.4073	0.6483	0.0077	1.0632	0.0458	0.0403	-0.0208	0.0653
1441	10.1	10.2	0.407	0.6486	0.0075	1.0632	0.0428	0.0392	-0.0158	0.0661
1442	9.88	10.2	0.407	0.6487	0.0073	1.0629	0.0411	0.0479	-0.0119	0.0771
1443	9.74	10.2	0.4071	0.6483	0.0072	1.0626	0.0377	0.0646	-0.012	0.0903
1444	10.1	10.2	0.407	0.6482	0.0072	1.0624	0.0313	0.0687	-0.0181	0.0819
1445	10.2	10.2	0.4068	0.6481	0.0072	1.062	0.0414	0.0642	-0.0125	0.0931
1446	10.5	10.2	0.4068	0.6483	0.0073	1.0624	0.0418	0.0648	-0.003	0.1037
1447	10.9	10.2	0.4073	0.6482	0.0071	1.0625	0.0448	0.0678	-0.003	0.1095
1448	10.3	10.2	0.4072	0.6485	0.0074	1.0631	0.0475	0.0653	-0.0032	0.1095
1449	10.5	10.2	0.4072	0.648	0.0074	1.0626	0.0394	0.0784	-0.0004	0.1174
1450	10.4	10.2	0.4067	0.6486	0.0072	1.0625	0.0402	0.0814	0.001	0.1226
1451	10.4	10.2	0.406	0.6482	0.0072	1.0613	0.0427	0.0775	0.0025	0.1227
1452	10.2	10.2	0.4059	0.6483	0.0074	1.0615	0.0382	0.0704	0.0026	0.1112
1453	10.5	10.2	0.4059	0.6485	0.0075	1.062	0.0503	0.066	0.0022	0.1185
1454	10.1	10.2	0.4054	0.6483	0.0075	1.0612	0.0573	0.0604	0.0024	0.12
1455	10.1	10.3	0.405	0.6479	0.0075	1.0603	0.0504	0.062	0.0028	0.1151
1456	10.2	10.3	0.4053	0.6474	0.0074	1.0601	0.036	0.0553	0.0017	0.0929
1457	10.2	10.3	0.4057	0.6473	0.0076	1.0606	0.0284	0.0569	0.0049	0.0902
1458	9.87	10.3	0.4054	0.647	0.0079	1.0603	0.0209	0.0607	0.0087	0.0904
1459	9.53	10.3	0.4047	0.6468	0.0079	1.0594	0.0114	0.0608	0.0092	0.0814
1460	10.5	10.3	0.4045	0.646	0.0078	1.0583	0.0097	0.0579	0.0057	0.0732
1461	9.72	10.3	0.4046	0.6459	0.0071	1.0576	0.0047	0.063	0.0041	0.0718
1462	10.2	10.3	0.4043	0.6467	0.0071	1.0582	-0.0115	0.061	0.0051	0.0546
1463	10.1	10.3	0.4044	0.6468	0.0071	1.0583	-0.0168	0.0658	0.0058	0.0548
1464	10.5	10.3	0.4047	0.647	0.0072	1.0589	-0.0121	0.0608	0.0028	0.0514
1465	10.9	10.2	0.405	0.6469	0.0076	1.0595	-0.012	0.0651	0.0008	0.054
1466	10.5	10.2	0.406	0.6471	0.0079	1.0609	-0.011	0.0702	0.0011	0.0603
1467	10.4	10.2	0.4068	0.6473	0.008	1.0622	-0.0083	0.0744	0.0018	0.0678
1468	10.7	10.2	0.407	0.6476	0.0083	1.0628	-0.0065	0.0688	-0.0006	0.0617
1469	10.5	10.2	0.4068	0.6478	0.0087	1.0632	-0.0021	0.0614	-0.0024	0.0569
1470	10.8	10.2	0.407	0.6481	0.0089	1.0639	0.0024	0.0596	-0.003	0.059
1471	10.2	10.1	0.4072	0.648	0.0091	1.0644	0.0053	0.0626	-0.0024	0.0655

1472	10.2	10.1	0.4079	0.6481	0.0092	1.0652	0.0084	0.0756	0	0.084
1473	9.66	10.1	0.4082	0.6478	0.0093	1.0653	0.0078	0.0702	-0.001	0.0771
1474	9.59	10.1	0.4082	0.6478	0.0092	1.0652	0.0117	0.0757	0.002	0.0893
1475	9.52	10	0.4079	0.6476	0.009	1.0645	0.0098	0.0726	0.0039	0.0863
1476	10.3	10	0.4081	0.6476	0.009	1.0647	0.0079	0.0659	0.0046	0.0784
1477	9.55	9.97	0.4086	0.6474	0.0088	1.0647	0.0082	0.0654	0.0038	0.0774
1478	9.88	9.97	0.4083	0.6477	0.0085	1.0645	0.0074	0.0671	0.0034	0.078
1479	10	9.94	0.4081	0.647	0.0086	1.0636	0.0051	0.064	0.004	0.0732
1480	9.34	9.9	0.407	0.6475	0.0084	1.0629	0.0032	0.0603	0.0064	0.0698
1481	9.51	9.92	0.4051	0.6474	0.0083	1.0608	-0.0023	0.0689	0.0028	0.0694
1482	9.95	9.91	0.404	0.6471	0.0082	1.0592	-0.0134	0.0726	-0.0012	0.0579
1483	10.2	9.94	0.4033	0.6472	0.0083	1.0588	-0.0171	0.0745	-0.0049	0.0526
1484	10.2	9.98	0.4029	0.6467	0.0082	1.0577	-0.0075	0.0752	-0.0056	0.0621
1485	9.93	10	0.4034	0.6466	0.008	1.0581	0.0047	0.0713	-0.0096	0.0664
1486	9.61	10	0.4045	0.6462	0.0082	1.0589	0.0048	0.0702	-0.0095	0.0656
1487	10.5	10.1	0.4049	0.6466	0.0085	1.0599	0.0012	0.0698	-0.0057	0.0654
1488	9.99	10.1	0.4039	0.6461	0.0086	1.0586	-0.003	0.0643	-0.0024	0.0588
1489	9.99	10.1	0.4043	0.6462	0.0085	1.0589	-0.0038	0.0616	-0.0025	0.0553
1490	10.5	10.1	0.4042	0.6462	0.0081	1.0584	-0.0051	0.0544	-0.005	0.0443
1491	10.1	10.2	0.4042	0.646	0.0078	1.058	-0.0098	0.0593	-0.0058	0.0436
1492	10.2	10.2	0.4044	0.6452	0.0077	1.0573	-0.0139	0.0637	-0.0089	0.041
1493	10.3	10.1	0.4051	0.6445	0.0077	1.0574	-0.0161	0.0658	-0.0133	0.0364
1494	10.1	10.1	0.4052	0.6445	0.0077	1.0573	-0.0174	0.0662	-0.0162	0.0326
1495	10.4	10.1	0.4051	0.644	0.0075	1.0566	-0.0205	0.0655	-0.017	0.028
1496	10.3	10.2	0.4045	0.6433	0.0074	1.0552	-0.0247	0.0613	-0.0173	0.0194
1497	10.2	10.2	0.404	0.6433	0.0072	1.0546	-0.0261	0.0629	-0.0193	0.0176
1498	10.5	10.2	0.404	0.6424	0.0067	1.0531	-0.0205	0.0571	-0.0219	0.0146
1499	10.2	10.2	0.403	0.6418	0.0066	1.0514	-0.0187	0.0617	-0.0178	0.0252
1500	10.2	10.2	0.4025	0.6418	0.0065	1.0509	-0.0177	0.0596	-0.016	0.026
1501	9.76	10.2	0.4032	0.642	0.0064	1.0517	-0.0197	0.0691	-0.0181	0.0313
1502	9.59	10.2	0.4021	0.6426	0.0066	1.0512	-0.0225	0.0667	-0.0168	0.0275
1503	9.76	10.2	0.4015	0.6426	0.0069	1.0511	-0.0191	0.0728	-0.016	0.0377
1504	10.4	10.2	0.4022	0.6425	0.007	1.0517	-0.0149	0.0749	-0.014	0.0461
1505	10.1	10.2	0.4033	0.643	0.007	1.0534	-0.0186	0.0736	-0.0125	0.0426
1506	10.3	10.1	0.4038	0.643	0.0067	1.0535	-0.0233	0.0745	-0.0092	0.042
1507	10.7	10.2	0.4043	0.6429	0.0064	1.0536	-0.0216	0.0718	-0.0077	0.0424
1508	10.3	10.1	0.4049	0.6427	0.0063	1.0539	-0.0189	0.0701	-0.0002	0.0511

1509	10.4	10.1	0.4054	0.6426	0.0066	1.0546	-0.025	0.063	0.0023	0.0402
1510	9.79	10.1	0.4057	0.6424	0.0068	1.055	-0.0358	0.0575	0.0002	0.022
1511	9.92	10.2	0.4064	0.6427	0.0068	1.0559	-0.0359	0.0539	-0.0006	0.0174
1512	10.2	10.2	0.4068	0.6422	0.0067	1.0557	-0.0348	0.0533	-0.0111	0.0074
1513	10.6	10.2	0.4069	0.6423	0.0069	1.056	-0.0376	0.064	-0.0123	0.0141
1514	9.99	10.2	0.4074	0.642	0.0073	1.0567	-0.038	0.066	-0.013	0.0149
1515	9.81	10.2	0.4075	0.6419	0.0077	1.0571	-0.035	0.0692	-0.0122	0.022
1516	10.5	10.2	0.4073	0.6419	0.008	1.0572	-0.0301	0.0722	-0.0071	0.0351
1517	10	10.1	0.4071	0.6422	0.0082	1.0575	-0.0179	0.0732	-0.0033	0.0519
1518	10.3	10.1	0.4068	0.6427	0.0084	1.0579	-0.0111	0.0755	-0.0009	0.0635
1519	10.3	10.1	0.4065	0.6423	0.0085	1.0573	-0.0112	0.0815	0.0004	0.0707
1520	10.5	10.2	0.4064	0.6425	0.0085	1.0574	-0.0126	0.0823	0.0045	0.0742
1521	10.4	10.2	0.4065	0.6425	0.0086	1.0575	-0.0074	0.0832	0.0075	0.0833
1522	10	10.2	0.4068	0.6426	0.0085	1.0579	-0.0066	0.0869	0.0101	0.0904
1523	9.51	10.2	0.4068	0.6428	0.0083	1.058	-0.0015	0.0905	0.012	0.101
1524	9.76	10.2	0.407	0.6428	0.008	1.0577	0.001	0.0869	0.013	0.1009
1525	10.1	10.3	0.4068	0.643	0.008	1.0577	0.0035	0.0907	0.014	0.1082
1526	10	10.3	0.4065	0.6429	0.0082	1.0576	0.0041	0.0943	0.015	0.1134
1527	10	10.4	0.4064	0.6427	0.0081	1.0572	0.0106	0.0965	0.0141	0.1213
1528	9.96	10.4	0.4065	0.6429	0.0077	1.0571	0.0131	0.0945	0.0106	0.1182
1529	11	10.4	0.4065	0.6428	0.0073	1.0566	0.0087	0.0983	0.0077	0.1147
1530	10.3	10.4	0.4065	0.6419	0.0074	1.0559	0.0062	0.0922	0.0071	0.1055
1531	11.1	10.4	0.407	0.6416	0.0077	1.0563	-0.0034	0.0967	0.006	0.0992
1532	10.5	10.4	0.4075	0.6413	0.0079	1.0567	-0.0231	0.0969	0.0038	0.0776
1533	10.4	10.5	0.4073	0.6412	0.0081	1.0566	-0.0355	0.0947	-0.0004	0.0588
1534	11	10.6	0.4073	0.6415	0.0083	1.0571	-0.0371	0.0922	-0.0004	0.0547
1535	10.9	10.6	0.4075	0.6417	0.0085	1.0576	-0.0372	0.0854	0.0018	0.0499
1536	10.7	10.6	0.4078	0.6419	0.0085	1.0583	-0.0311	0.0908	0.0044	0.0642
1537	10.8	10.6	0.4081	0.6422	0.0083	1.0586	-0.0135	0.089	0.0087	0.0843
1538	10.6	10.7	0.408	0.6422	0.0081	1.0583	-0.0127	0.0966	0.0133	0.0972
1539	10.3	10.6	0.408	0.6425	0.0082	1.0588	-0.0244	0.0947	0.0157	0.0859
1540	10.6	10.6	0.4082	0.6424	0.0082	1.0589	-0.0232	0.1018	0.0138	0.0923
1541	10.8	10.6	0.4084	0.6422	0.0084	1.0591	-0.026	0.1039	0.0106	0.0885
1542	10.9	10.6	0.4086	0.6421	0.0086	1.0592	-0.0281	0.1022	0.0066	0.0808
1543	10.9	10.6	0.4089	0.6417	0.0088	1.0593	-0.0258	0.0956	0.0028	0.0726
1544	9.84	10.6	0.4091	0.6417	0.0089	1.0597	-0.0149	0.0868	0.001	0.0729
1545	11	10.6	0.4092	0.6419	0.0089	1.0601	-0.0088	0.0797	-0.0026	0.0683

1546	10.6	10.6	0.4094	0.642	0.0092	1.0606	-0.0068	0.0744	-0.0042	0.0634
1547	10.2	10.6	0.4093	0.6424	0.0093	1.0611	-0.0112	0.0656	-0.0046	0.0499
1548	10.4	10.5	0.4091	0.6424	0.0092	1.0606	-0.0127	0.0676	-0.005	0.05
1549	10.6	10.6	0.4089	0.6421	0.009	1.06	-0.0161	0.0549	-0.0084	0.0304
1550	10.3	10.6	0.4086	0.6417	0.009	1.0594	-0.0277	0.0463	-0.0079	0.0107
1551	10.2	10.6	0.4082	0.6415	0.0089	1.0586	-0.0343	0.0457	-0.0079	0.0035
1552	10.4	10.6	0.4078	0.641	0.009	1.0578	-0.0255	0.0488	-0.0092	0.0141
1553	10.5	10.6	0.4074	0.641	0.0089	1.0574	-0.0381	0.059	-0.008	0.0129
1554	11.2	10.6	0.4072	0.641	0.0088	1.0569	-0.0456	0.062	-0.0041	0.0123
1555	10.9	10.6	0.4073	0.6404	0.0084	1.0561	-0.0378	0.0634	-0.0024	0.0232
1556	10.6	10.7	0.4075	0.6402	0.0082	1.0559	-0.0238	0.0718	-0.0032	0.0448
1557	10.2	10.7	0.4076	0.6402	0.0076	1.0555	-0.0176	0.0756	-0.0082	0.0499
1558	10.9	10.7	0.4079	0.6407	0.0077	1.0563	-0.0097	0.0716	-0.0146	0.0473
1559	11.1	10.7	0.4083	0.641	0.0079	1.0572	-0.0037	0.0683	-0.0173	0.0473
1560	11.1	10.7	0.4081	0.6406	0.0079	1.0566	0.0019	0.0653	-0.018	0.0492
1561	10.5	10.7	0.4081	0.6405	0.0082	1.0568	0.0054	0.0602	-0.0158	0.0498
1562	10.6	10.7	0.4081	0.6404	0.0083	1.0567	0.0128	0.0598	-0.0137	0.0589
1563	10.8	10.7	0.4082	0.6402	0.0084	1.0568	0.0174	0.055	-0.0148	0.0575
1564	11	10.7	0.4082	0.6401	0.0084	1.0567	0.0195	0.0527	-0.0142	0.058
1565	11	10.7	0.408	0.6397	0.0083	1.056	0.0222	0.0475	-0.0087	0.061
1566	11	10.7	0.4078	0.6397	0.0082	1.0557	0.0217	0.0513	-0.0021	0.0709
1567	10.6	10.7	0.4079	0.6398	0.0081	1.0558	0.0174	0.05	0.0022	0.0696
1568	10.1	10.7	0.4081	0.6394	0.0083	1.0558	0.0123	0.053	0.0071	0.0725
1569	10.8	10.7	0.408	0.6395	0.0082	1.0557	0.0084	0.0623	0.0102	0.0808
1570	10.5	10.7	0.4077	0.6397	0.0081	1.0556	0.0045	0.0595	0.0128	0.0767
1571	10.6	10.7	0.4079	0.6394	0.0081	1.0554	0.0006	0.0681	0.0123	0.0811
1572	10.1	10.7	0.408	0.6391	0.008	1.0551	0.0006	0.0701	0.012	0.0828
1573	10.2	10.7	0.4081	0.6391	0.008	1.0552	0.0036	0.0696	0.011	0.0842
1574	10.8	10.7	0.4079	0.6388	0.0078	1.0544	0.0016	0.0719	0.0133	0.0868
1575	11.1	10.7	0.4075	0.6381	0.0075	1.0531	0.0025	0.0739	0.0102	0.0865
1576	10.8	10.7	0.4071	0.638	0.0076	1.0526	0.0001	0.0741	0.0087	0.0829
1577	11.2	10.7	0.4072	0.638	0.0077	1.0529	-0.0058	0.0735	0.0116	0.0793
1578	11.1	10.7	0.4074	0.6379	0.0078	1.053	-0.0089	0.0735	0.0111	0.0758
1579	11	10.8	0.4074	0.6378	0.0079	1.0531	-0.0079	0.082	0.0075	0.0817
1580	10.7	10.8	0.4073	0.6378	0.0078	1.0529	-0.0068	0.0817	0.0043	0.0792
1581	10.8	10.8	0.4075	0.6377	0.0079	1.0531	-0.0039	0.0758	0.0065	0.0784
1582	10.6	10.9	0.4075	0.6376	0.0082	1.0533	0.0063	0.0754	0.0099	0.0915

1583	10.1	10.9	0.407	0.638	0.0083	1.0533	0.0141	0.0739	0.0117	0.0996
1584	10.4	10.9	0.4066	0.6381	0.008	1.0527	0.0146	0.0725	0.0141	0.1011
1585	11.1	10.9	0.4065	0.6375	0.0076	1.0516	0.0182	0.0752	0.0173	0.1107
1586	10.8	10.9	0.4058	0.6373	0.0074	1.0505	0.0191	0.0798	0.0198	0.1187
1587	11.3	10.9	0.4061	0.6369	0.0072	1.0502	0.0184	0.0863	0.0193	0.124
1588	11.3	10.9	0.4064	0.6366	0.007	1.05	0.0179	0.0867	0.0169	0.1214
1589	11	10.9	0.4066	0.636	0.0071	1.0497	0.0177	0.0854	0.0103	0.1134
1590	11	10.9	0.4068	0.6358	0.007	1.0496	0.0222	0.0831	0.011	0.1163
1591	11.2	10.9	0.407	0.6358	0.0071	1.0499	0.0245	0.0805	0.0122	0.1171
1592	11	10.9	0.407	0.6356	0.0074	1.05	0.0267	0.08	0.012	0.1187
1593	10.8	11	0.4066	0.6359	0.0076	1.0501	0.0274	0.0783	0.0109	0.1165
1594	11	11	0.406	0.6365	0.0079	1.0505	0.029	0.073	0.0121	0.1142
1595	10.8	11	0.4057	0.6366	0.0079	1.0502	0.0317	0.0687	0.01	0.1104
1596	11.3	11	0.4056	0.6367	0.0079	1.0502	0.0326	0.0722	0.0075	0.1122
1597	10.9	11	0.4053	0.6366	0.0077	1.0496	0.0359	0.0729	0.0087	0.1175
1598	10.6	11	0.4056	0.6369	0.0076	1.0501	0.0369	0.0745	0.0079	0.1192
1599	11.6	11	0.4057	0.6372	0.0074	1.0503	0.0341	0.0731	0.0058	0.113
1600	10.9	11	0.406	0.6373	0.0073	1.0505	0.0329	0.0702	0.0017	0.1048
1601	10.8	11	0.4058	0.6372	0.0073	1.0503	0.031	0.0645	0.0011	0.0967
1602	11.2	10.9	0.4059	0.6367	0.0074	1.05	0.0253	0.0531	-0.0008	0.0775
1603	10.9	11	0.4061	0.6364	0.0073	1.0499	0.018	0.0505	-0.0023	0.0662
1604	10.6	11	0.406	0.6362	0.0072	1.0494	0.0101	0.0508	-0.0016	0.0592
1605	11	11	0.4057	0.6359	0.0074	1.0489	0.0061	0.0342	-0.0043	0.036
1606	11.6	11	0.4056	0.6354	0.0075	1.0485	0.0047	0.0316	-0.0062	0.0301
1607	11	11	0.4053	0.6357	0.0079	1.0489	0.0049	0.0314	-0.0077	0.0286
1608	11.3	11	0.4053	0.6358	0.0081	1.0492	0.0027	0.0269	-0.0133	0.0163
1609	10.5	11	0.4052	0.6361	0.0084	1.0497	0.0044	0.034	-0.0136	0.0248
1610	10.9	10.9	0.4052	0.6364	0.0084	1.05	0.0055	0.034	-0.0098	0.0297
1611	10.4	11	0.4051	0.6367	0.0082	1.05	0.001	0.0303	-0.0088	0.0225
1612	11.2	11	0.4051	0.6367	0.0082	1.05	-0.0014	0.0299	-0.0057	0.0227
1613	11.1	11	0.4049	0.637	0.0083	1.0502	-0.0023	0.031	-0.0053	0.0233
1614	10.8	11	0.4052	0.6372	0.0081	1.0506	0.0001	0.029	-0.0057	0.0234
1615	10.9	11.1	0.4053	0.6368	0.0079	1.05	0	0.0323	-0.0068	0.0255
1616	11.4	11.1	0.4055	0.6369	0.0078	1.0502	-0.0021	0.0263	-0.0081	0.0161
1617	11.1	11.1	0.4058	0.6369	0.0075	1.0503	0.0032	0.0305	-0.0071	0.0266
1618	10.7	11.1	0.406	0.6364	0.0074	1.0498	0.0182	0.0343	-0.0057	0.0468
1619	10.6	11.2	0.4061	0.6363	0.0072	1.0496	0.0363	0.0269	-0.002	0.0612

1620	11.2	11.2	0.4063	0.6356	0.0073	1.0492	0.044	0.0266	0.0036	0.0742
1621	11.2	11.3	0.4064	0.6355	0.0074	1.0493	0.0519	0.0283	0.0048	0.0851
1622	11.2	11.3	0.4065	0.6356	0.0074	1.0495	0.0572	0.0249	0.0031	0.0851
1623	11.6	11.3	0.4067	0.6357	0.007	1.0493	0.0651	0.0172	-0.0007	0.0816
1624	11.9	11.3	0.4067	0.6354	0.007	1.0491	0.078	0.0107	-0.0021	0.0866
1625	11.5	11.3	0.4068	0.6356	0.0071	1.0495	0.0831	0.0032	-0.0034	0.0829
1626	11.5	11.2	0.4071	0.6355	0.007	1.0497	0.0764	0.0006	-0.0054	0.0716
1627	11.8	11.2	0.4073	0.6353	0.007	1.0496	0.0671	-0.0013	-0.0023	0.0635
1628	11.5	11.2	0.4073	0.6347	0.007	1.049	0.0696	0.0002	0.0007	0.0705
1629	11.5	11.2	0.4072	0.6346	0.0069	1.0486	0.0759	-0.0043	0.0023	0.074
1630	11.2	11.2	0.4069	0.6343	0.0068	1.048	0.0791	-0.0025	0.0062	0.0827
1631	11.2	11.1	0.4063	0.6341	0.0067	1.0472	0.0756	-0.0017	0.0091	0.083
1632	11.4	11.1	0.4061	0.6339	0.0068	1.0467	0.0795	0.0029	0.0166	0.099
1633	11	11	0.4058	0.634	0.0066	1.0465	0.0866	0.0051	0.0206	0.1123
1634	10.4	11	0.4055	0.634	0.0065	1.046	0.0758	0.023	0.0241	0.123
1635	10.6	10.9	0.4056	0.6337	0.0065	1.0458	0.0682	0.0329	0.0219	0.123
1636	10.4	10.9	0.406	0.6333	0.0066	1.0459	0.0655	0.0291	0.017	0.1116
1637	10.5	10.8	0.4063	0.6336	0.0066	1.0465	0.0501	0.0355	0.0109	0.0965
1638	11	10.8	0.4062	0.6337	0.0071	1.0469	0.05	0.0352	0.0034	0.0886
1639	10.5	10.8	0.4058	0.6342	0.0071	1.0471	0.0511	0.028	-0.0022	0.0769
1640	11.1	10.7	0.4058	0.6343	0.007	1.0471	0.0526	0.0167	-0.0024	0.0668
1641	9.97	10.7	0.4057	0.6342	0.0072	1.0472	0.0521	0.0079	-0.0029	0.0571
1642	10.6	10.7	0.4058	0.6342	0.0075	1.0476	0.0531	0.0088	-0.0019	0.0601
1643	10.5	10.6	0.406	0.6344	0.0076	1.0479	0.0501	0.0101	0.0005	0.0607
1644	10.8	10.6	0.4059	0.6348	0.0079	1.0486	0.0386	0.0065	0.0007	0.0458
1645	10.7	10.6	0.406	0.6347	0.0082	1.0489	0.0296	0.008	0.006	0.0436
1646	10.6	10.6	0.4058	0.6347	0.0083	1.0489	0.0234	0.0043	0.0071	0.0348
1647	11.1	10.6	0.4056	0.635	0.0085	1.0492	0.015	-0.001	0.008	0.022
1648	10.8	10.5	0.4057	0.635	0.0086	1.0493	0.0066	0.0059	0.0069	0.0193
1649	10.6	10.5	0.4056	0.635	0.0088	1.0495	0.0048	0.007	0.0037	0.0155
1650	10.5	10.4	0.4055	0.6353	0.0089	1.0497	0.004	0.0105	0.0001	0.0146
1651	11.1	10.4	0.4057	0.6362	0.009	1.0508	0.0049	0.018	-0.0045	0.0183
1652	10.4	10.4	0.406	0.636	0.0092	1.0511	0.0026	0.018	-0.0071	0.0135
1653	10.3	10.4	0.4064	0.636	0.0091	1.0515	0.0007	0.0094	-0.0102	-0.0002
1654	9.98	10.3	0.4066	0.6375	0.0092	1.0533	0.0025	0.0053	-0.0129	-0.0051
1655	10.1	10.3	0.4068	0.6373	0.009	1.0531	0.002	0.0013	-0.013	-0.0096
1656	9.9	10.3	0.407	0.637	0.009	1.053	0.0029	-0.0034	-0.0108	-0.0113

1657	9.95	10.3	0.4073	0.6376	0.009	1.0538	0.0088	-0.008	-0.0073	-0.0065
1658	10.2	10.2	0.4075	0.6373	0.0091	1.0538	0.0097	-0.0031	-0.0009	0.0057
1659	10.1	10.2	0.4077	0.6376	0.0089	1.0542	0.0081	0.0064	0.0034	0.0179
1660	9.97	10.1	0.408	0.6376	0.0087	1.0543	0.008	0.0106	0.0092	0.0278
1661	10	10.1	0.4082	0.6375	0.0088	1.0545	0.0108	0.0081	0.01	0.029
1662	10.2	10.1	0.4083	0.6373	0.0089	1.0544	0.0099	0.021	0.011	0.0419
1663	10.1	10.1	0.4082	0.6373	0.009	1.0545	0.0066	0.0183	0.0095	0.0344
1664	9.81	10.1	0.4082	0.6369	0.0091	1.0542	0.0031	0.0212	0.0048	0.0292
1665	10.1	10.1	0.4082	0.6371	0.0091	1.0544	0.0092	0.0161	0.0031	0.0284
1666	10.7	10	0.4075	0.6367	0.0089	1.0531	0.0109	0.0103	0.0006	0.0219
1667	10.6	10	0.4061	0.6364	0.0087	1.0511	0.0137	0.0129	0.002	0.0286
1668	9.86	10	0.4044	0.6368	0.0085	1.0497	0.0142	0.0168	0.0007	0.0316
1669	9.37	10	0.4036	0.6369	0.0079	1.0483	0.0151	0.0138	-0.0025	0.0264
1670	10.1	10	0.4025	0.6369	0.0076	1.0471	0.0204	0.0118	-0.0075	0.0247
1671	10.1	10	0.4022	0.6369	0.0078	1.0468	0.027	0.0004	-0.0105	0.0168
1672	9.96	10	0.4015	0.6373	0.0081	1.0469	0.0276	-0.0073	-0.0096	0.0107
1673	10	10	0.4003	0.638	0.0082	1.0465	0.0294	-0.0017	-0.009	0.0186
1674	10.1	9.99	0.3995	0.6384	0.0081	1.0461	0.0326	-0.0059	-0.0143	0.0124
1675	9.75	9.99	0.3999	0.6381	0.008	1.0459	0.0284	-0.0136	-0.0159	-0.001
1676	9.98	9.94	0.4004	0.6381	0.0078	1.0463	0.0331	-0.012	-0.0121	0.009
1677	10.1	9.9	0.4003	0.638	0.0076	1.0459	0.0382	-0.016	-0.0131	0.0091
1678	9.72	9.91	0.3998	0.6383	0.0075	1.0456	0.0406	-0.0163	-0.0149	0.0093
1679	10.1	9.96	0.3995	0.638	0.0072	1.0448	0.0442	-0.0226	-0.0149	0.0067
1680	9.9	9.94	0.3998	0.6379	0.0069	1.0446	0.0448	-0.0214	-0.018	0.0054
1681	10.2	9.92	0.3995	0.6375	0.0062	1.0432	0.0425	-0.0237	-0.0173	0.0015
1682	9.9	9.9	0.3988	0.6371	0.0062	1.0421	0.0383	-0.0298	-0.0156	-0.0071
1683	9.48	9.9	0.3995	0.6357	0.0059	1.0411	0.0361	-0.0318	-0.015	-0.0107
1684	10	9.88	0.3998	0.6348	0.0058	1.0404	0.0334	-0.0243	-0.0172	-0.0081
1685	9.84	9.9	0.4	0.6346	0.0059	1.0405	0.0314	-0.0218	-0.0202	-0.0106
1686	9.81	9.93	0.4008	0.6337	0.0063	1.0408	0.0331	-0.0224	-0.0217	-0.011
1687	10.1	9.92	0.4011	0.6334	0.0068	1.0414	0.0378	-0.0245	-0.0212	-0.008
1688	10.3	9.94	0.4012	0.6338	0.0072	1.0423	0.0432	-0.0217	-0.0227	-0.0011
1689	9.72	9.95	0.4014	0.6343	0.0073	1.043	0.0422	-0.0165	-0.0194	0.0064
1690	9.65	9.98	0.4016	0.635	0.0073	1.0439	0.039	-0.0111	-0.019	0.009
1691	9.56	9.96	0.4017	0.6349	0.0073	1.0439	0.039	-0.0148	-0.018	0.0062
1692	9.97	9.95	0.402	0.6346	0.0074	1.044	0.0391	-0.016	-0.0147	0.0084
1693	9.74	9.96	0.4028	0.6352	0.0076	1.0455	0.0394	-0.0144	-0.0122	0.0127

1694	10.2	9.93	0.4031	0.6357	0.0073	1.0461	0.0406	-0.0164	-0.0132	0.0109
1695	10.4	9.93	0.4034	0.6361	0.0072	1.0467	0.0398	-0.0097	-0.0098	0.0203
1696	9.89	9.93	0.4041	0.6368	0.0071	1.048	0.041	-0.0078	-0.0071	0.0261
1697	10.1	9.92	0.4046	0.636	0.007	1.0476	0.0377	-0.0102	-0.0086	0.0188
1698	10.4	9.92	0.4051	0.6362	0.0072	1.0485	0.0346	-0.0099	-0.0089	0.0158
1699	10.4	9.93	0.4053	0.6361	0.0074	1.0488	0.0326	-0.0095	-0.008	0.0151
1700	9.79	9.93	0.4055	0.6355	0.0078	1.0487	0.0325	-0.0108	-0.0059	0.0158
1701	9.85	9.96	0.4055	0.6354	0.008	1.0489	0.0322	-0.0116	-0.005	0.0156
1702	9.62	9.99	0.4058	0.6357	0.0084	1.05	0.033	-0.0036	-0.0027	0.0267
1703	9.51	10	0.4059	0.6359	0.0086	1.0504	0.0349	-0.0065	0.0006	0.0291
1704	9.72	9.98	0.4057	0.6361	0.0085	1.0504	0.0399	-0.013	-0.0017	0.0251
1705	9.86	9.93	0.4054	0.6362	0.0084	1.05	0.0393	-0.002	-0.0002	0.0371
1706	9.97	9.92	0.4047	0.6362	0.0083	1.0492	0.0361	-0.0016	0	0.0344
1707	10.1	9.93	0.4043	0.636	0.008	1.0483	0.034	-0.0005	-0.0013	0.0322
1708	10.1	9.94	0.4045	0.6352	0.0077	1.0474	0.04	0.0112	-0.0026	0.0485
1709	9.54	9.94	0.4044	0.635	0.0074	1.0469	0.0454	0.0025	-0.0024	0.0455
1710	10.3	9.95	0.4041	0.6356	0.0074	1.0471	0.0552	-0.0019	-0.004	0.0494
1711	10.4	9.97	0.4041	0.6347	0.0071	1.0459	0.0744	-0.0091	-0.0033	0.062
1712	9.97	9.97	0.4044	0.6348	0.0073	1.0465	0.0869	-0.0104	-0.0006	0.076
1713	9.67	9.97	0.4046	0.6349	0.0078	1.0473	0.092	-0.0084	0.0006	0.0842
1714	9.63	9.96	0.4043	0.6356	0.0078	1.0478	0.0864	-0.0056	0.0011	0.0819
1715	9.65	10	0.4042	0.6358	0.0078	1.0479	0.0733	-0.0071	-0.0001	0.066
1716	10.2	10	0.4042	0.6356	0.0076	1.0473	0.0605	-0.0029	-0.0024	0.0552
1717	10.6	9.99	0.4044	0.6352	0.0074	1.0471	0.0472	-0.0082	-0.0033	0.0357
1718	10.3	9.96	0.4045	0.635	0.0076	1.0472	0.038	-0.0154	-0.0059	0.0167
1719	10.1	10	0.4041	0.6352	0.008	1.0472	0.0215	-0.0073	-0.0103	0.0039
1720	10.1	10	0.4036	0.6356	0.0084	1.0476	0.0071	-0.0098	-0.0185	-0.0212
1721	9.75	10	0.4036	0.6362	0.0084	1.0482	0.0014	-0.0037	-0.0196	-0.0219
1722	9.51	10	0.4035	0.6358	0.0083	1.0477	0.0133	-0.0069	-0.0162	-0.0099
1723	9.54	10.1	0.4034	0.6362	0.0084	1.048	0.0179	-0.004	-0.0134	0.0005
1724	10.6	10.1	0.4039	0.6367	0.0086	1.0492	0.0198	0.0008	-0.0093	0.0114
1725	9.99	10.1	0.4035	0.6368	0.0083	1.0486	0.0226	0.0059	-0.0105	0.018
1726	9.77	10.1	0.4033	0.6371	0.0083	1.0487	0.0349	0.0009	-0.0103	0.0254
1727	9.67	10.1	0.4032	0.637	0.0085	1.0487	0.05	0.0069	-0.0076	0.0493
1728	10.3	10.1	0.4029	0.637	0.0085	1.0483	0.0519	0.0101	-0.0046	0.0574
1729	10.6	10.1	0.4027	0.6367	0.0087	1.0481	0.0422	0.0179	-0.0042	0.056
1730	10.4	10.1	0.4027	0.6367	0.0085	1.0479	0.0267	0.0232	-0.0066	0.0433

1731	10.3	10.1	0.4025	0.6371	0.0083	1.0479	0.0179	0.0205	-0.0113	0.0271
1732	10.3	10.1	0.4024	0.6371	0.0083	1.0478	0.0064	0.0166	-0.0197	0.0033
1733	10.2	10.2	0.4025	0.6364	0.0084	1.0473	-0.0116	0.0187	-0.0202	-0.0131
1734	10.3	10.2	0.4024	0.6362	0.0086	1.0471	-0.0094	0.0037	-0.0261	-0.0318
1735	10.1	10.1	0.4023	0.6359	0.0087	1.0469	-0.0062	-0.0062	-0.0281	-0.0406
1736	10.2	10.1	0.4022	0.6357	0.0087	1.0467	-0.0035	-0.0134	-0.0292	-0.0461
1737	10.5	10.1	0.402	0.6357	0.0089	1.0466	0.0098	-0.0286	-0.0258	-0.0446
1738	10.1	10.1	0.402	0.6353	0.009	1.0463	0.0158	-0.026	-0.0229	-0.033
1739	9.73	10.1	0.4019	0.6353	0.009	1.0462	0.0215	-0.0225	-0.0182	-0.0191
1740	10.4	10.1	0.4019	0.6358	0.0088	1.0465	0.0242	-0.0171	-0.0162	-0.0091
1741	9.41	10.1	0.4018	0.6358	0.0087	1.0463	0.0245	-0.0119	-0.0155	-0.0029
1742	10.4	10.1	0.4019	0.6357	0.0087	1.0463	0.0229	-0.0123	-0.0144	-0.0039
1743	9.95	10.1	0.4019	0.636	0.0089	1.0468	0.0231	-0.0149	-0.0145	-0.0063
1744	9.87	10	0.402	0.6358	0.0089	1.0466	0.0325	-0.0062	-0.0133	0.0129
1745	9.74	10	0.4019	0.6355	0.0089	1.0463	0.0376	-0.0027	-0.0165	0.0184
1746	9.73	10	0.402	0.6358	0.0092	1.047	0.0401	0.0026	-0.018	0.0247
1747	9.96	9.99	0.4022	0.636	0.0094	1.0476	0.0453	0.0034	-0.0172	0.0315
1748	10.4	9.99	0.4024	0.636	0.0094	1.0478	0.0544	-0.0019	-0.0168	0.0357
1749	10.3	10	0.4024	0.6361	0.0094	1.0479	0.0572	-0.0029	-0.0127	0.0416
1750	10.2	9.99	0.4023	0.6364	0.0094	1.0481	0.058	-0.004	-0.0082	0.0458
1751	9.88	10	0.4024	0.6365	0.0093	1.0482	0.0565	-0.008	-0.0051	0.0435
1752	10	9.95	0.4025	0.6366	0.0091	1.0482	0.0578	-0.0093	-0.0022	0.0462
1753	9.82	9.95	0.4024	0.6373	0.0093	1.0489	0.0614	-0.0057	0.0016	0.0574
1754	10.2	9.95	0.4027	0.6377	0.0092	1.0496	0.0622	-0.0038	0.0035	0.0619
1755	10.1	9.93	0.4032	0.6374	0.009	1.0497	0.0617	-0.0021	0.003	0.0626
1756	9.61	9.91	0.4036	0.6371	0.0091	1.0498	0.0587	-0.0009	0.0019	0.0597
1757	10.2	9.89	0.4033	0.6364	0.0092	1.049	0.0521	-0.0005	0	0.0516
1758	10.2	9.86	0.4029	0.637	0.0093	1.0492	0.0487	-0.0027	-0.0031	0.0429
1759	9.92	9.86	0.4022	0.6378	0.0093	1.0493	0.0505	-0.0115	-0.0057	0.0333
1760	9.65	9.89	0.4006	0.6385	0.0091	1.0481	0.0505	-0.0134	-0.009	0.028
1761	9.34	9.89	0.3995	0.6386	0.0089	1.047	0.0477	-0.0073	-0.0096	0.0309
1762	9.92	9.89	0.3991	0.6381	0.0088	1.046	0.0481	-0.0182	-0.013	0.017
1763	9.86	9.88	0.3996	0.6378	0.0089	1.0463	0.0524	-0.0162	-0.0114	0.0247
1764	9.46	9.83	0.4009	0.6376	0.0091	1.0476	0.0553	-0.0159	-0.0053	0.0341
1765	9.28	9.82	0.4021	0.6374	0.0093	1.0489	0.0521	-0.0075	-0.0051	0.0396
1766	9.59	9.86	0.4027	0.6375	0.0092	1.0495	0.0519	-0.0057	-0.005	0.0413
1767	9.94	9.84	0.4023	0.6379	0.0093	1.0495	0.0519	-0.0083	-0.008	0.0355

1768	10.2	9.82	0.4023	0.6375	0.0095	1.0493	0.0555	-0.0125	-0.0098	0.0332
1769	10.8	9.81	0.4029	0.6378	0.0097	1.0504	0.0571	-0.0149	-0.0075	0.0347
1770	9.81	9.8	0.4024	0.6373	0.0096	1.0492	0.0523	-0.0138	-0.0036	0.0349
1771	10	9.81	0.4009	0.6376	0.0094	1.0478	0.0473	-0.0084	0.0012	0.0402
1772	9.72	9.8	0.3997	0.6377	0.0094	1.0469	0.0484	-0.0008	0.0012	0.0488
1773	9.17	9.83	0.3983	0.638	0.0091	1.0454	0.0477	-0.006	0.0005	0.0423
1774	9.87	9.86	0.3973	0.6379	0.0092	1.0443	0.0467	-0.0004	0.0016	0.0479
1775	10.3	9.87	0.3964	0.638	0.0091	1.0434	0.0532	0.0059	0.0043	0.0633
1776	9.95	9.84	0.3954	0.6374	0.0086	1.0413	0.0491	0.0064	0.0006	0.0561
1777	9.77	9.84	0.3951	0.637	0.0081	1.0401	0.047	0.0117	0.0007	0.0595
1778	9.66	9.81	0.3956	0.6365	0.0079	1.04	0.0469	0.0095	0.0031	0.0595
1779	9.51	9.74	0.3969	0.6357	0.0079	1.0405	0.0422	0.01	0.0028	0.055
1780	9.52	9.73	0.398	0.6359	0.0081	1.0419	0.0406	0.0064	0.0058	0.0527
1781	9.84	9.74	0.3989	0.6358	0.0082	1.0428	0.0406	0.0064	0.0034	0.0504
1782	10.4	9.75	0.4	0.6352	0.0082	1.0434	0.0391	0.0114	0.0006	0.0511
1783	9.93	9.77	0.4004	0.6353	0.0085	1.0442	0.0387	0.0123	-0.0001	0.0508
1784	9.44	9.78	0.4004	0.6355	0.0086	1.0445	0.04	0.0021	0.0016	0.0437
1785	9.12	9.74	0.4003	0.636	0.0088	1.0451	0.0388	-0.0015	0.0046	0.0418
1786	9.91	9.71	0.3999	0.6366	0.0089	1.0453	0.0382	-0.0055	0.0063	0.0389
1787	9.58	9.7	0.3996	0.636	0.0091	1.0447	0.0376	-0.0081	0.0069	0.0363
1788	9.45	9.71	0.3991	0.636	0.0091	1.0442	0.0338	-0.0083	0.0096	0.0352
1789	9.64	9.77	0.3989	0.636	0.009	1.0439	0.035	-0.0157	0.0118	0.0311
1790	10.2	9.79	0.3991	0.6362	0.0089	1.0441	0.0342	-0.0151	0.0121	0.0311
1791	9.95	9.79	0.3994	0.6361	0.0087	1.0443	0.0347	-0.0074	0.0092	0.0364
1792	9.49	9.74	0.3997	0.6361	0.0088	1.0446	0.0336	-0.0072	0.0075	0.0339
1793	10.1	9.81	0.3995	0.6358	0.0089	1.0443	0.0359	-0.01	0.0079	0.0338
1794	9.62	9.82	0.3993	0.636	0.009	1.0443	0.0368	-0.0044	0.0112	0.0436
1795	9.37	9.86	0.3994	0.6359	0.009	1.0443	0.0381	-0.0092	0.011	0.0399
1796	9.5	9.82	0.3996	0.6365	0.0088	1.0449	0.0371	-0.0138	0.0115	0.0348
1797	9.87	9.83	0.3992	0.6362	0.0087	1.0441	0.0411	-0.0094	0.0176	0.0492
1798	10.7	9.96	0.3994	0.6365	0.0085	1.0443	0.0447	-0.0052	0.0215	0.061
1799	9.94	10.1	0.3995	0.6365	0.0082	1.0442	0.0497	-0.0052	0.0219	0.0664
1800	9.73	9.73	0.3998	0.6363	0.0083	1.0444	0.0503	-0.0028	0.0223	0.0698