

Test Name	CDR, PIR, rep 3
Cladding	Cedar Wood
Cladding Thickness [mm]	12
Insulation	Polyisocyanurate (PIR) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	3
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 third repetition of this system configuration.
Experiment Notes	There were no noticeable observations for this test.
Peak HRR [kW]	182
Time to Peak HRR [mins]	3.87
Residual HRR [kW]	1.23
Total HR [MJ]	61.4
Peak dQ/dt [kW/s]	1.5
Time to Peak dQ/dt [s]	1.85

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	-0.185	-0.185	2.9772	1.8542	-0.0013	4.8301	2.0466	1.0438	0.0193	3.1098
1	-0.0754	-0.0726	2.9762	1.8528	-0.001	4.8281	2.1303	1.0618	0.0189	3.211
2	0.0423	0.0215	2.9753	1.8514	-0.0009	4.8258	2.1732	1.0708	0.0202	3.2642
3	0.172	0.186	2.9749	1.8501	-0.0009	4.8241	2.2248	1.0793	0.0219	3.326
4	0.154	0.68	2.9744	1.8495	-0.0009	4.8229	2.2907	1.0921	0.0177	3.4006
5	0.389	1.32	2.9736	1.848	-0.0011	4.8206	2.3337	1.0885	0.0157	3.4378
6	0.807	2.14	2.9731	1.8473	-0.0012	4.8192	2.3536	1.105	0.0141	3.4728
7	1.92	2.96	2.9726	1.8466	-0.0013	4.8178	2.4079	1.1025	0.0081	3.5185
8	2.9	3.77	2.9721	1.8455	-0.0013	4.8163	2.4746	1.1035	0.0046	3.5827
9	3.77	4.58	2.9719	1.8448	-0.0015	4.8152	2.5106	1.1061	0.0026	3.6193
10	4.61	5.26	2.972	1.8443	-0.0016	4.8147	2.5496	1.1111	0.0032	3.6638
11	5.98	5.97	2.9718	1.8432	-0.0019	4.8131	2.5876	1.1238	0.0067	3.7181
12	7.33	6.69	2.9717	1.8424	-0.002	4.812	2.6114	1.1225	0.0023	3.7362
13	7.83	7.44	2.9711	1.8418	-0.0023	4.8107	2.6527	1.1241	0.001	3.7778
14	8.79	8.23	2.9706	1.8411	-0.0025	4.8092	2.7052	1.1256	0.001	3.8318
15	9.39	8.99	2.97	1.8401	-0.0025	4.8077	2.752	1.1281	0.0041	3.8841
16	10.3	9.76	2.9676	1.839	-0.0024	4.8042	2.7691	1.1364	0.004	3.9094
17	11.1	10.5	2.9663	1.8383	-0.0025	4.8022	2.798	1.1361	0.0035	3.9375
18	11.8	11.3	2.9659	1.8363	-0.0026	4.7996	2.8071	1.1415	0.0036	3.9522
19	12.9	12	2.9652	1.8357	-0.0025	4.7983	2.811	1.1429	0.0039	3.9578
20	13.3	12.8	2.9647	1.8352	-0.0026	4.7973	2.8423	1.1461	0.0007	3.9891
21	13.7	13.5	2.9648	1.8336	-0.0027	4.7957	2.8878	1.1494	-0.0015	4.0358
22	14.4	14.2	2.964	1.8328	-0.0025	4.7943	2.9298	1.1574	-0.0008	4.0864
23	15.3	15	2.9637	1.8312	-0.0024	4.7926	2.9773	1.1611	0.0007	4.1391
24	14.7	15.8	2.9639	1.8302	-0.0022	4.7919	3.0219	1.1619	0.0047	4.1885
25	15.4	16.7	2.9649	1.8287	-0.0021	4.7915	3.0913	1.1611	0.0076	4.2601
26	16.4	17.5	2.9667	1.8277	-0.0021	4.7923	3.1265	1.1617	0.0101	4.2982
27	17.1	18.4	2.9673	1.8266	-0.002	4.7919	3.1477	1.164	0.0099	4.3216
28	17.6	19.3	2.9667	1.8261	-0.002	4.7907	3.1919	1.1721	0.0085	4.3726

29	19.8	20.2	2.9659	1.8252	-0.0018	4.7892	3.2203	1.1748	0.0053	4.4005
30	19.2	21.2	2.9641	1.8241	-0.0018	4.7864	3.2515	1.1704	0.0033	4.4252
31	20.4	22.1	2.9626	1.8237	-0.0017	4.7845	3.2838	1.167	0.002	4.4528
32	23	23.1	2.9603	1.8233	-0.0021	4.7815	3.327	1.1685	0.0045	4.4999
33	24.4	24.1	2.9549	1.8222	-0.002	4.7751	3.3634	1.1734	0.0056	4.5424
34	26.2	25.3	2.9497	1.8217	-0.0018	4.7696	3.3947	1.174	0.0087	4.5774
35	26.1	26.4	2.9444	1.8208	-0.002	4.7633	3.4372	1.1763	0.0045	4.6179
36	27.5	27.7	2.9386	1.8196	-0.0022	4.7561	3.4494	1.1831	0.0007	4.6332
37	29.3	29.1	2.934	1.8192	-0.0022	4.751	3.4676	1.1733	-0.0004	4.6405
38	30.8	30.6	2.9292	1.8183	-0.002	4.7455	3.4834	1.1643	0.0002	4.6479
39	32.2	32.2	2.9238	1.8171	-0.0018	4.7391	3.4978	1.1599	0.0018	4.6596
40	30.9	34	2.9187	1.8154	-0.0015	4.7325	3.5101	1.1621	0.0004	4.6726
41	32.1	35.8	2.9125	1.8148	-0.0016	4.7256	3.5392	1.1604	0.0002	4.6998
42	35.4	37.7	2.9089	1.8139	-0.0016	4.7212	3.5683	1.1564	0.0018	4.7264
43	36.2	39.4	2.9048	1.8136	-0.002	4.7164	3.5986	1.1638	0.001	4.7634
44	36.8	41.6	2.9002	1.8118	-0.0018	4.7102	3.6015	1.1613	-0.0037	4.7591
45	40.6	43.8	2.8952	1.8102	-0.0019	4.7035	3.5958	1.1586	-0.0056	4.7489
46	45.2	45.9	2.8908	1.8089	-0.0018	4.6979	3.591	1.1567	-0.0045	4.7431
47	45.7	48.1	2.8856	1.8075	-0.002	4.6911	3.6261	1.1559	-0.0054	4.7765
48	50.4	50.4	2.8802	1.806	-0.0022	4.684	3.6424	1.1547	-0.0046	4.7924
49	52.1	52.7	2.8755	1.8044	-0.0022	4.6777	3.6739	1.1572	-0.0057	4.8254
50	55.5	55.2	2.8692	1.8024	-0.0022	4.6694	3.7052	1.1598	-0.006	4.8591
51	58.2	57.7	2.8648	1.8009	-0.0023	4.6634	3.7679	1.1448	-0.006	4.9067
52	57.5	60	2.8599	1.7994	-0.0024	4.6569	3.8315	1.1496	-0.0035	4.9777
53	67.2	62.6	2.8541	1.7976	-0.0022	4.6495	3.8784	1.1493	-0.0036	5.024
54	68.6	64.8	2.8495	1.7967	-0.0021	4.6441	3.9466	1.1483	-0.004	5.0908
55	66.8	66.8	2.846	1.7947	-0.002	4.6387	4.0085	1.1565	-0.0027	5.1623
56	71.8	68.7	2.8406	1.7937	-0.0017	4.6326	4.0843	1.1601	-0.0064	5.238
57	74.4	70.5	2.8343	1.7926	-0.0015	4.6254	4.1453	1.1653	-0.0057	5.3049
58	76.2	72.5	2.8297	1.7913	-0.0014	4.6196	4.2189	1.167	-0.009	5.3768
59	78.7	74.5	2.8248	1.7899	-0.0014	4.6133	4.2939	1.1775	-0.0062	5.4652
60	79.4	76.1	2.82	1.788	-0.0016	4.6064	4.3614	1.1871	-0.0079	5.5406
61	78.4	77.5	2.8159	1.787	-0.0014	4.6015	4.4116	1.2016	-0.0095	5.6037
62	85.4	79.1	2.8107	1.7858	-0.0013	4.5952	4.4849	1.2129	-0.0131	5.6847
63	78.2	80.2	2.8047	1.7845	-0.0013	4.5879	4.5695	1.2191	-0.015	5.7736
64	80.4	81.4	2.7989	1.7833	-0.0015	4.5807	4.6263	1.2373	-0.0186	5.845
65	79.8	82.5	2.795	1.7816	-0.0015	4.5751	4.6804	1.247	-0.0206	5.9068

66	81.2	83.4	2.7903	1.7805	-0.0015	4.5693	4.7544	1.256	-0.0205	5.9898
67	86.9	84.4	2.7869	1.779	-0.0015	4.5644	4.8183	1.2554	-0.0224	6.0513
68	89.9	85.3	2.7839	1.7777	-0.0015	4.5601	4.8805	1.2615	-0.0235	6.1186
69	87.3	86.1	2.7788	1.7764	-0.0013	4.5539	4.9654	1.2567	-0.0222	6.1999
70	84.9	87	2.7728	1.775	-0.0011	4.5466	5.0728	1.2669	-0.0194	6.3203
71	86.9	88	2.7669	1.7732	-0.0012	4.5389	5.1501	1.275	-0.0206	6.4046
72	88.1	88.9	2.7605	1.7718	-0.0013	4.531	5.2397	1.2791	-0.0209	6.4979
73	90.9	89.9	2.7542	1.7706	-0.0016	4.5232	5.325	1.2962	-0.0183	6.6029
74	87.9	90.8	2.746	1.7695	-0.0018	4.5137	5.3942	1.2976	-0.0165	6.6754
75	89.3	91.9	2.7402	1.7683	-0.002	4.5065	5.4602	1.3068	-0.0139	6.7532
76	94.1	92.9	2.7354	1.767	-0.002	4.5004	5.5522	1.3174	-0.0147	6.8548
77	93.6	93.4	2.7288	1.7652	-0.0019	4.4921	5.6375	1.3262	-0.015	6.9487
78	92.9	93.9	2.7234	1.7638	-0.0017	4.4855	5.7303	1.3406	-0.0163	7.0546
79	96.2	94.7	2.7177	1.7629	-0.0015	4.4791	5.7906	1.3535	-0.0149	7.1292
80	98.5	95.6	2.7118	1.7621	-0.0014	4.4725	5.8714	1.3652	-0.0113	7.2252
81	103	96.2	2.705	1.7608	-0.0016	4.4642	5.931	1.3708	-0.0067	7.2951
82	97.1	96.7	2.6986	1.7592	-0.0017	4.4561	6.005	1.3884	-0.0054	7.388
83	97.5	97.2	2.6927	1.758	-0.002	4.4487	6.0549	1.4091	-0.0091	7.455
84	100	98.2	2.6856	1.7566	-0.0016	4.4406	6.0634	1.4191	-0.0062	7.4762
85	99.4	98.7	2.6812	1.7548	-0.0013	4.4347	6.0674	1.4362	-0.0067	7.4969
86	97	99.3	2.6761	1.7545	-0.0012	4.4294	6.0934	1.4446	-0.0104	7.5277
87	99.2	99.5	2.6713	1.7541	-0.0013	4.4241	6.1487	1.4457	-0.0121	7.5824
88	102	100	2.6665	1.7534	-0.0014	4.4185	6.1923	1.4636	-0.0129	7.6429
89	102	100	2.6619	1.752	-0.0013	4.4126	6.2504	1.468	-0.0128	7.7056
90	98.6	101	2.6557	1.751	-0.0013	4.4055	6.2714	1.4792	-0.0115	7.7391
91	98.2	101	2.6495	1.7502	-0.0014	4.3983	6.3189	1.4805	-0.0088	7.7906
92	99.9	101	2.6431	1.7483	-0.0013	4.3902	6.3531	1.4885	-0.0112	7.8305
93	107	101	2.6393	1.7474	-0.0009	4.3858	6.4294	1.4988	-0.0128	7.9154
94	97.7	102	2.6362	1.7465	-0.0007	4.382	6.4753	1.5094	-0.0182	7.9665
95	106	102	2.6331	1.7455	-0.0008	4.3778	6.5177	1.5076	-0.0178	8.0075
96	96.4	103	2.6261	1.7445	-0.0007	4.3698	6.5562	1.506	-0.0201	8.0422
97	103	103	2.6209	1.7434	-0.0008	4.3635	6.6263	1.5097	-0.0204	8.1157
98	102	103	2.6141	1.742	-0.0007	4.3554	6.653	1.5138	-0.0203	8.1465
99	103	104	2.6073	1.7406	-0.0006	4.3473	6.6782	1.5149	-0.0225	8.1705
100	106	104	2.6004	1.7397	-0.0007	4.3394	6.708	1.52	-0.024	8.2039
101	105	105	2.5931	1.7379	-0.0006	4.3303	6.7327	1.517	-0.025	8.2247
102	103	105	2.5875	1.7365	-0.0005	4.3234	6.7753	1.5237	-0.0259	8.2731

103	103	105	2.5802	1.7353	-0.0005	4.315	6.8288	1.5173	-0.0267	8.3194
104	107	106	2.5735	1.7338	-0.0007	4.3067	6.8655	1.5153	-0.0235	8.3573
105	107	106	2.5652	1.732	-0.0004	4.2968	6.9032	1.5253	-0.022	8.4066
106	107	107	2.5586	1.7307	-0.0006	4.2887	6.962	1.5273	-0.0213	8.4681
107	111	108	2.5507	1.7299	-0.0004	4.2801	7.0081	1.5404	-0.0193	8.5292
108	106	109	2.5427	1.7278	-0.0007	4.2697	7.0337	1.5508	-0.0157	8.5688
109	109	110	2.5358	1.7261	-0.0007	4.2612	7.0964	1.5521	-0.0131	8.6355
110	110	111	2.5308	1.7242	-0.0007	4.2543	7.1681	1.5589	-0.0142	8.7128
111	108	112	2.5233	1.722	-0.0006	4.2447	7.1972	1.5604	-0.0146	8.743
112	106	113	2.5147	1.7205	-0.0005	4.2347	7.2539	1.5664	-0.0156	8.8046
113	112	115	2.5085	1.7181	-0.0004	4.2262	7.2936	1.5777	-0.0149	8.8564
114	117	116	2.5025	1.7164	-0.0004	4.2186	7.3294	1.5868	-0.0177	8.8986
115	115	117	2.4946	1.7145	-0.0004	4.2087	7.3694	1.5845	-0.0186	8.9354
116	123	118	2.4858	1.7134	-0.0002	4.199	7.4417	1.5888	-0.0185	9.012
117	121	119	2.4783	1.7122	-0.0001	4.1903	7.4825	1.5939	-0.0193	9.0571
118	119	120	2.4694	1.7106	-0.0004	4.1796	7.5355	1.5957	-0.0205	9.1107
119	122	121	2.4579	1.709	-0.0006	4.1663	7.5888	1.6067	-0.0187	9.1768
120	122	122	2.4497	1.7077	-0.0005	4.1568	7.6194	1.6145	-0.0167	9.2172
121	126	123	2.4408	1.7057	-0.0006	4.1459	7.6383	1.6138	-0.0201	9.232
122	127	124	2.4315	1.7032	-0.0007	4.134	7.6781	1.6147	-0.0218	9.271
123	126	125	2.4243	1.7015	-0.0007	4.125	7.6961	1.6184	-0.023	9.2915
124	130	125	2.4179	1.6995	-0.0008	4.1166	7.7326	1.6264	-0.0273	9.3317
125	129	126	2.4097	1.697	-0.0006	4.106	7.748	1.6366	-0.0307	9.3538
126	129	126	2.403	1.695	-0.0006	4.0974	7.7895	1.6421	-0.0311	9.4005
127	124	127	2.3943	1.6926	-0.0004	4.0864	7.8491	1.6407	-0.0295	9.4604
128	130	128	2.3876	1.6907	-0.0005	4.0778	7.8682	1.6373	-0.028	9.4775
129	125	128	2.3787	1.6886	-0.0007	4.0666	7.9009	1.6365	-0.0298	9.5076
130	128	128	2.371	1.687	-0.0011	4.0569	7.9303	1.6459	-0.0292	9.547
131	126	129	2.3621	1.6848	-0.0012	4.0457	7.9533	1.6563	-0.0298	9.5798
132	132	129	2.3548	1.6824	-0.0012	4.036	7.9687	1.657	-0.033	9.5927
133	129	129	2.3486	1.6803	-0.0014	4.0275	7.984	1.6607	-0.0338	9.6109
134	127	129	2.3429	1.6781	-0.0012	4.0199	8.0036	1.6664	-0.0336	9.6363
135	129	129	2.3351	1.6763	-0.0009	4.0105	8.0209	1.6674	-0.0299	9.6584
136	133	130	2.3237	1.6751	-0.001	3.9978	8.0546	1.6657	-0.0249	9.6955
137	132	130	2.3147	1.6728	-0.0009	3.9867	8.0922	1.6822	-0.0233	9.7511
138	127	130	2.3041	1.6715	-0.0007	3.975	8.1342	1.7048	-0.0255	9.8135
139	131	131	2.2966	1.6692	-0.0006	3.9652	8.1695	1.7143	-0.027	9.8567

140	130	131	2.2868	1.6673	-0.0007	3.9535	8.2092	1.7152	-0.025	9.8994
141	130	132	2.2771	1.6659	-0.0005	3.9426	8.2294	1.7266	-0.0262	9.9298
142	133	133	2.2659	1.6641	-0.0003	3.9297	8.2447	1.7397	-0.028	9.9564
143	133	133	2.2573	1.6626	-0.0002	3.9198	8.2831	1.729	-0.0263	9.9858
144	131	133	2.2485	1.6611	0	3.9095	8.357	1.7401	-0.0188	10.0782
145	133	134	2.2396	1.6596	0.0001	3.8993	8.4383	1.7569	-0.0157	10.1795
146	136	134	2.2282	1.658	0.0002	3.8864	8.4965	1.7586	-0.0158	10.2393
147	131	135	2.2203	1.6561	0	3.8764	8.5224	1.7694	-0.0171	10.2748
148	133	135	2.2124	1.6545	0.0001	3.867	8.5688	1.7795	-0.0174	10.3309
149	141	136	2.2047	1.6524	0.0002	3.8573	8.622	1.7874	-0.0168	10.3926
150	143	137	2.1959	1.6507	0.0003	3.8469	8.6628	1.7931	-0.0193	10.4366
151	136	138	2.1873	1.6485	0.0003	3.8361	8.7083	1.7945	-0.0203	10.4825
152	137	139	2.177	1.6477	0.0003	3.8249	8.7634	1.7886	-0.0194	10.5326
153	134	140	2.1676	1.6461	0.0002	3.8138	8.7969	1.7989	-0.021	10.5748
154	136	141	2.1591	1.6442	0.0001	3.8034	8.8214	1.8072	-0.022	10.6066
155	140	142	2.1498	1.642	0.0001	3.7919	8.8612	1.8223	-0.0286	10.6549
156	142	143	2.1397	1.6397	0.0002	3.7797	8.8815	1.8112	-0.0255	10.6672
157	141	145	2.1309	1.6375	0.0001	3.7685	8.9009	1.815	-0.0284	10.6875
158	148	146	2.12	1.6361	-0.0001	3.7561	8.9137	1.8293	-0.0247	10.7183
159	148	147	2.108	1.634	0	3.742	8.9378	1.8271	-0.0251	10.7398
160	148	148	2.1002	1.632	-0.0002	3.7321	8.9773	1.8278	-0.0251	10.78
161	151	149	2.0905	1.6303	0.0002	3.721	9.0207	1.8279	-0.0262	10.8224
162	155	150	2.0813	1.628	0.0002	3.7095	9.0619	1.8301	-0.0246	10.8675
163	154	151	2.0717	1.6259	0.0005	3.6981	9.0769	1.8371	-0.0226	10.8914
164	151	153	2.062	1.6248	0.0004	3.6872	9.1074	1.8343	-0.0222	10.9194
165	153	154	2.0509	1.6227	0.0003	3.6739	9.1179	1.8279	-0.02	10.9258
166	157	154	2.0421	1.6211	0.0005	3.6636	9.1485	1.8282	-0.0173	10.9594
167	159	155	2.0334	1.6194	0.0006	3.6533	9.1414	1.8378	-0.0211	10.9581
168	158	156	2.025	1.617	0.0004	3.6424	9.1537	1.8394	-0.0212	10.9719
169	157	157	2.0169	1.6149	0.0004	3.6322	9.1437	1.8406	-0.0227	10.9617
170	161	157	2.0089	1.6136	0.0009	3.6234	9.1248	1.8417	-0.0231	10.9434
171	157	157	1.9991	1.6118	0.001	3.6118	9.1377	1.8402	-0.0234	10.9545
172	160	158	1.9909	1.61	0.001	3.6018	9.1337	1.8403	-0.0246	10.9494
173	157	158	1.9809	1.608	0.0011	3.59	9.1297	1.8289	-0.0263	10.9324
174	162	158	1.9712	1.6058	0.0013	3.5783	9.1653	1.8275	-0.027	10.9658
175	154	158	1.9612	1.6041	0.0011	3.5664	9.2055	1.8306	-0.0312	11.0049
176	160	158	1.9505	1.6029	0.0009	3.5544	9.2468	1.8185	-0.0321	11.0331

177	161	158	1.942	1.6014	0.0009	3.5443	9.2831	1.8182	-0.032	11.0694
178	159	158	1.9333	1.6001	0.0013	3.5348	9.2887	1.8183	-0.0302	11.0768
179	162	158	1.9247	1.5984	0.0014	3.5244	9.332	1.8246	-0.0324	11.1242
180	154	157	1.9165	1.5964	0.0016	3.5145	9.351	1.827	-0.0337	11.1443
181	161	157	1.9081	1.5951	0.0017	3.5049	9.357	1.8341	-0.0365	11.1546
182	152	157	1.9003	1.5931	0.0017	3.495	9.3438	1.8347	-0.0377	11.1409
183	155	157	1.8923	1.5913	0.0014	3.485	9.3444	1.8272	-0.0351	11.1365
184	156	157	1.8836	1.5899	0.0014	3.4748	9.3603	1.8263	-0.0321	11.1544
185	158	157	1.8757	1.5883	0.0012	3.4652	9.3832	1.825	-0.0278	11.1804
186	158	157	1.8669	1.5863	0.0011	3.4543	9.4088	1.8376	-0.0244	11.222
187	156	156	1.8578	1.5836	0.0013	3.4428	9.3741	1.8406	-0.0229	11.1918
188	155	156	1.8496	1.5819	0.0013	3.4328	9.3716	1.8375	-0.0241	11.185
189	154	156	1.841	1.5805	0.0012	3.4227	9.3444	1.847	-0.0241	11.1673
190	154	156	1.8328	1.5783	0.0014	3.4125	9.3489	1.8419	-0.0237	11.1672
191	153	157	1.8251	1.5762	0.0014	3.4027	9.3293	1.8372	-0.0226	11.1439
192	157	157	1.8148	1.5755	0.0013	3.3916	9.3216	1.8389	-0.0222	11.1384
193	163	157	1.8036	1.5734	0.001	3.378	9.2803	1.8379	-0.0236	11.0945
194	154	158	1.7924	1.5708	0.0009	3.3641	9.2612	1.8332	-0.022	11.0724
195	155	158	1.7834	1.5697	0.0008	3.3539	9.2404	1.8251	-0.021	11.0445
196	154	158	1.7738	1.5675	0.001	3.3424	9.2245	1.8251	-0.0183	11.0313
197	155	158	1.764	1.5655	0.001	3.3304	9.1822	1.8264	-0.02	10.9885
198	162	159	1.7519	1.5633	0.001	3.3162	9.1831	1.8384	-0.0244	10.9971
199	159	160	1.741	1.5613	0.0013	3.3036	9.1644	1.8511	-0.0231	10.9924
200	163	160	1.7296	1.5602	0.0013	3.2911	9.1637	1.841	-0.0228	10.9818
201	168	161	1.7167	1.559	0.0013	3.277	9.1315	1.8409	-0.0189	10.9535
202	156	161	1.7078	1.5566	0.0016	3.266	9.1311	1.8371	-0.0178	10.9504
203	167	162	1.6981	1.5546	0.0017	3.2544	9.0827	1.837	-0.017	10.9027
204	157	163	1.6874	1.5516	0.0022	3.2412	9.0589	1.8394	-0.0174	10.8809
205	159	164	1.677	1.5509	0.0021	3.2301	9.0481	1.8416	-0.017	10.8727
206	162	166	1.6685	1.5492	0.0022	3.22	9.0045	1.8358	-0.0154	10.8249
207	164	167	1.6593	1.5469	0.002	3.2083	8.9549	1.8344	-0.0137	10.7757
208	166	168	1.6489	1.545	0.0018	3.1958	8.9224	1.8265	-0.0153	10.7336
209	167	169	1.638	1.5433	0.0018	3.1832	8.877	1.8264	-0.016	10.6875
210	165	170	1.6288	1.5414	0.002	3.1721	8.7906	1.8237	-0.0122	10.602
211	169	171	1.6171	1.5389	0.0019	3.1579	8.7688	1.8386	-0.0139	10.5935
212	169	172	1.6071	1.5368	0.0017	3.1455	8.7277	1.8306	-0.0113	10.547
213	181	173	1.5978	1.5347	0.0018	3.1343	8.6898	1.8192	-0.013	10.496

214	178	175	1.5907	1.5337	0.0016	3.126	8.628	1.8085	-0.0146	10.4219
215	178	177	1.5798	1.5317	0.0013	3.1127	8.5934	1.812	-0.0172	10.3881
216	177	178	1.5716	1.5297	0.0019	3.1032	8.5552	1.8051	-0.0155	10.3447
217	181	179	1.5629	1.5282	0.002	3.0931	8.5313	1.8074	-0.0156	10.3231
218	179	180	1.555	1.5265	0.0019	3.0834	8.5079	1.8064	-0.0167	10.2977
219	179	181	1.5454	1.5248	0.0017	3.072	8.4641	1.806	-0.0186	10.2515
220	184	183	1.5359	1.5236	0.0018	3.0614	8.4365	1.8035	-0.0199	10.2201
221	182	184	1.5274	1.5217	0.0019	3.051	8.4153	1.8029	-0.019	10.1991
222	193	185	1.5185	1.5203	0.002	3.0408	8.3795	1.8028	-0.0188	10.1635
223	191	185	1.5077	1.5187	0.002	3.0285	8.3493	1.8009	-0.0151	10.135
224	190	186	1.4973	1.5165	0.0023	3.0161	8.2897	1.7954	-0.0153	10.0697
225	189	187	1.485	1.5151	0.0026	3.0027	8.2273	1.7952	-0.0143	10.0082
226	189	188	1.4747	1.5132	0.0026	2.9905	8.1639	1.7954	-0.0167	9.9426
227	184	188	1.4654	1.5107	0.0026	2.9787	8.0914	1.799	-0.015	9.8754
228	187	188	1.4544	1.5082	0.0027	2.9654	8.0456	1.8055	-0.0122	9.8389
229	188	189	1.4436	1.5059	0.0027	2.9522	7.9947	1.8115	-0.0075	9.7987
230	188	190	1.4353	1.5036	0.0025	2.9414	7.9477	1.8074	-0.0083	9.7468
231	194	190	1.4277	1.5013	0.0026	2.9316	7.914	1.8044	-0.0055	9.7129
232	192	190	1.4204	1.4996	0.0023	2.9223	7.8644	1.8072	-0.004	9.6677
233	188	190	1.4126	1.4977	0.0019	2.9121	7.8274	1.7982	-0.0042	9.6213
234	193	190	1.4046	1.4956	0.0016	2.9018	7.8175	1.8001	-0.0062	9.6113
235	192	190	1.3942	1.4926	0.0015	2.8883	7.7303	1.8054	-0.0081	9.5277
236	194	190	1.3863	1.491	0.0013	2.8786	7.6734	1.8026	-0.0093	9.4667
237	183	190	1.3776	1.4891	0.0015	2.8682	7.6108	1.7983	-0.0095	9.3997
238	191	190	1.3697	1.4868	0.0017	2.8582	7.5391	1.787	-0.0055	9.3206
239	194	189	1.3617	1.485	0.0018	2.8485	7.4825	1.785	-0.0061	9.2614
240	192	189	1.3539	1.4836	0.0016	2.8391	7.4339	1.7847	-0.009	9.2095
241	192	189	1.345	1.482	0.0017	2.8288	7.4006	1.7791	-0.0076	9.1721
242	192	188	1.3379	1.4803	0.002	2.8202	7.3489	1.7726	-0.0045	9.1171
243	190	188	1.3312	1.4793	0.0021	2.8125	7.278	1.78	-0.0031	9.0548
244	188	187	1.3244	1.4786	0.0021	2.805	7.2311	1.7758	-0.0051	9.0018
245	179	186	1.3171	1.4771	0.002	2.7962	7.1485	1.764	-0.0095	8.903
246	185	185	1.31	1.4753	0.0022	2.7875	7.0937	1.7741	-0.0114	8.8564
247	189	184	1.302	1.4723	0.0025	2.7767	7.0264	1.7715	-0.0092	8.7887
248	182	183	1.2959	1.4694	0.0024	2.7677	6.9529	1.7637	-0.0071	8.7095
249	184	183	1.2883	1.4683	0.0025	2.7591	6.8684	1.7596	-0.0064	8.6216
250	185	182	1.2827	1.4666	0.0022	2.7516	6.7847	1.7555	-0.0036	8.5366

251	188	180	1.2742	1.4648	0.0021	2.7411	6.7066	1.7568	-0.0027	8.4607
252	181	179	1.2687	1.464	0.002	2.7347	6.6151	1.7544	-0.003	8.3665
253	174	178	1.2617	1.4621	0.0019	2.7257	6.5617	1.7441	-0.002	8.3038
254	171	177	1.2543	1.46	0.0018	2.7161	6.5001	1.7374	-0.001	8.2365
255	172	176	1.2494	1.4584	0.0016	2.7094	6.421	1.7226	0.0049	8.1485
256	173	175	1.2443	1.4563	0.0016	2.7021	6.3435	1.7282	0.0054	8.0771
257	172	173	1.2387	1.4549	0.0016	2.6951	6.2823	1.728	0.0075	8.0177
258	179	172	1.2323	1.4535	0.0015	2.6873	6.2159	1.7189	0.0045	7.9393
259	178	170	1.229	1.4517	0.0012	2.6818	6.1388	1.7153	-0.0003	7.8539
260	166	169	1.2234	1.4481	0.0012	2.6727	6.0535	1.7078	-0.0014	7.7599
261	170	167	1.2177	1.4473	0.0013	2.6663	5.9886	1.7045	-0.0004	7.6927
262	164	166	1.2124	1.4461	0.0015	2.6599	5.8898	1.6948	-0.0027	7.5819
263	162	165	1.2089	1.445	0.0019	2.6559	5.8074	1.6845	-0.0026	7.4892
264	162	163	1.2027	1.4436	0.0021	2.6483	5.7337	1.6755	-0.0002	7.409
265	163	162	1.1954	1.4422	0.0019	2.6395	5.6835	1.6798	-0.0065	7.3567
266	164	161	1.189	1.4403	0.002	2.6313	5.5956	1.6702	-0.0087	7.257
267	158	160	1.1826	1.4387	0.0022	2.6236	5.516	1.6633	-0.0017	7.1776
268	152	158	1.1786	1.4364	0.0022	2.6172	5.4365	1.6701	0.0002	7.1067
269	160	157	1.1733	1.4346	0.0024	2.6102	5.3657	1.6673	-0.0005	7.0325
270	156	156	1.1674	1.4333	0.0028	2.6035	5.2765	1.6593	-0.0043	6.9315
271	155	154	1.1611	1.4315	0.0029	2.5955	5.1944	1.6682	-0.0059	6.8567
272	150	153	1.1559	1.4299	0.0025	2.5883	5.119	1.6616	-0.0059	6.7748
273	149	152	1.152	1.4284	0.0027	2.5831	5.0503	1.6611	-0.0024	6.7089
274	152	151	1.1484	1.4263	0.0027	2.5774	4.9684	1.6543	-0.001	6.6217
275	150	150	1.1449	1.4245	0.0028	2.5722	4.892	1.6436	0.0033	6.5389
276	151	148	1.1414	1.423	0.0024	2.5668	4.8122	1.638	0.0077	6.4579
277	149	147	1.1375	1.4209	0.0021	2.5605	4.7375	1.6334	0.004	6.3749
278	147	146	1.1338	1.419	0.0021	2.5549	4.6829	1.6174	0.0053	6.3056
279	149	144	1.1299	1.4176	0.0023	2.5498	4.5962	1.6052	0.0082	6.2096
280	142	143	1.1251	1.416	0.0021	2.5432	4.5119	1.6127	0.0069	6.1315
281	141	142	1.1217	1.4143	0.0021	2.5381	4.4549	1.5979	0.0032	6.056
282	145	141	1.1175	1.4133	0.0021	2.5329	4.4094	1.5856	0.004	5.9989
283	141	140	1.1105	1.4113	0.002	2.5239	4.3721	1.5811	0.0012	5.9544
284	133	138	1.1105	1.4093	0.0022	2.522	4.3161	1.5756	-0.0003	5.8915
285	136	137	1.1084	1.408	0.0021	2.5185	4.2447	1.5753	0.0043	5.8243
286	136	136	1.1058	1.4064	0.0021	2.5144	4.1527	1.5641	0.0076	5.7244
287	133	135	1.1039	1.4049	0.0019	2.5107	4.1094	1.5587	-0.0002	5.668

288	131	133	1.1013	1.4034	0.0019	2.5066	4.0506	1.5552	-0.0009	5.6049
289	133	132	1.0976	1.402	0.0021	2.5017	3.9993	1.5421	0.0031	5.5445
290	129	131	1.0927	1.4004	0.0021	2.4953	3.9491	1.5418	0.0044	5.4954
291	125	129	1.0902	1.399	0.0018	2.491	3.8928	1.5487	0.0062	5.4477
292	132	128	1.087	1.3975	0.0016	2.4861	3.8248	1.5486	0.0048	5.3783
293	123	126	1.0805	1.3958	0.0015	2.4778	3.7737	1.5481	0.0081	5.3298
294	131	125	1.0775	1.3944	0.0018	2.4738	3.7237	1.5456	0.0105	5.2798
295	125	124	1.0741	1.3923	0.0019	2.4682	3.6662	1.5474	0.0118	5.2254
296	125	123	1.0712	1.3904	0.0019	2.4635	3.6012	1.5479	0.0124	5.1615
297	122	122	1.0687	1.3891	0.0017	2.4595	3.5279	1.5395	0.0158	5.0831
298	119	120	1.065	1.3873	0.0016	2.454	3.4776	1.5215	0.0169	5.016
299	120	119	1.0625	1.3857	0.0016	2.4499	3.4349	1.5004	0.0122	4.9475
300	118	118	1.0589	1.3845	0.0016	2.4451	3.3591	1.502	0.0096	4.8706
301	114	117	1.0552	1.3836	0.0016	2.4404	3.3223	1.4968	0.0012	4.8203
302	115	116	1.0516	1.3822	0.0018	2.4356	3.2654	1.4938	-0.0035	4.7557
303	115	115	1.0481	1.3808	0.0018	2.4307	3.2169	1.4934	-0.0039	4.7064
304	111	113	1.0453	1.3793	0.0017	2.4263	3.1531	1.4907	-0.0002	4.6436
305	115	112	1.0427	1.3781	0.0016	2.4224	3.085	1.4946	0.0005	4.58
306	107	111	1.0403	1.3764	0.0015	2.4182	3.0855	1.5026	-0.0487	4.5394
307	105	110	1.0377	1.375	0.0016	2.4143	3.0882	1.4945	-0.0807	4.502
308	106	109	1.035	1.3735	0.0018	2.4104	3.0717	1.499	-0.0794	4.4912
309	105	108	1.0327	1.3725	0.0019	2.4072	3.0331	1.4944	-0.0807	4.4468
310	110	107	1.0299	1.3709	0.002	2.4028	3.0277	1.4935	-0.0848	4.4365
311	108	106	1.0281	1.3695	0.0021	2.3997	3.0002	1.4755	-0.0889	4.3868
312	105	105	1.0263	1.3683	0.002	2.3966	2.9549	1.4807	-0.0849	4.3507
313	104	104	1.0244	1.3671	0.0018	2.3934	2.9193	1.486	-0.0769	4.3284
314	107	103	1.0224	1.3657	0.0023	2.3903	2.9013	1.4883	-0.0724	4.3172
315	106	102	1.0202	1.3646	0.0022	2.387	2.8516	1.4836	-0.0718	4.2633
316	99.8	102	1.02	1.3633	0.0021	2.3854	2.7947	1.4887	-0.071	4.2124
317	96.8	102	1.0192	1.3612	0.002	2.3825	2.748	1.4821	-0.0672	4.1629
318	95	101	1.0184	1.3598	0.002	2.3802	2.6961	1.48	-0.0667	4.1094
319	99.7	101	1.0178	1.3589	0.0022	2.3788	2.6829	1.4667	-0.0701	4.0795
320	99.9	99.9	1.0165	1.3568	0.0024	2.3757	2.6584	1.4578	-0.0667	4.0496
321	99.6	99.2	1.0155	1.3555	0.0024	2.3735	2.6138	1.4582	-0.0671	4.0049
322	97.2	98.5	1.0135	1.3542	0.0022	2.3699	2.5714	1.443	-0.0631	3.9512
323	96.5	97.9	1.0109	1.3533	0.0021	2.3663	2.5256	1.4389	-0.0659	3.8986
324	95.2	97.1	1.0081	1.3521	0.002	2.3622	2.4965	1.4396	-0.0661	3.8701

325	97.4	96	1.0038	1.3513	0.0018	2.3569	2.4767	1.4254	-0.0688	3.8333
326	100	95.7	1.0009	1.3499	0.0022	2.353	2.4686	1.4213	-0.0676	3.8223
327	96.3	95.5	0.9971	1.349	0.0021	2.3482	2.4494	1.4188	-0.0706	3.7976
328	100	95.3	0.9948	1.3477	0.0019	2.3444	2.4287	1.4135	-0.0728	3.7695
329	93.6	94.6	0.9924	1.3447	0.002	2.3391	2.4142	1.4041	-0.0746	3.7437
330	94.6	94.1	0.9898	1.3438	0.0022	2.3358	2.3981	1.3981	-0.0735	3.7227
331	92.5	93.3	0.9867	1.3428	0.0022	2.3317	2.4049	1.3901	-0.1267	3.6683
332	92.6	92.5	0.9831	1.3415	0.0022	2.3269	2.3962	1.3919	-0.1382	3.65
333	90.8	91.7	0.9809	1.3401	0.0019	2.3229	2.3738	1.3855	-0.137	3.6223
334	87.2	91.1	0.9802	1.3381	0.0012	2.3194	2.3251	1.3718	-0.1379	3.559
335	92.6	90.3	0.9789	1.3362	0.0008	2.3159	2.3351	1.3662	-0.1369	3.5644
336	93.2	89.4	0.9754	1.3351	0.0013	2.3118	2.333	1.3674	-0.1349	3.5655
337	90.9	88.8	0.9725	1.3336	0.0016	2.3077	2.3257	1.3591	-0.1346	3.5502
338	87.6	87.9	0.9698	1.3326	0.0014	2.3038	2.3193	1.3523	-0.1395	3.5321
339	89.7	87.5	0.9668	1.3308	0.0013	2.2989	2.309	1.3465	-0.1367	3.5187
340	84.5	87	0.9646	1.3287	0.001	2.2943	2.2838	1.3431	-0.1321	3.4948
341	81.2	86.6	0.9625	1.3272	0.0013	2.2909	2.261	1.3383	-0.1375	3.4618
342	82.3	86.2	0.9605	1.3255	0.0012	2.2872	2.2589	1.3342	-0.1465	3.4466
343	83	85.8	0.9588	1.3247	0.001	2.2845	2.2404	1.3256	-0.1498	3.4162
344	83.7	85.6	0.9578	1.3238	0.0009	2.2825	2.1864	1.3167	-0.15	3.3531
345	82.9	85.1	0.957	1.3223	0.0007	2.28	2.1763	1.3214	-0.147	3.3507
346	84.9	84.6	0.9572	1.3214	0.0006	2.2792	2.1444	1.324	-0.1471	3.3213
347	83	84.2	0.9542	1.3201	0.0008	2.2751	2.1368	1.3095	-0.1486	3.2977
348	84.4	83.9	0.9524	1.3194	0.0012	2.273	2.1309	1.3026	-0.1524	3.2811
349	85.7	83.7	0.9524	1.3181	0.0015	2.272	2.1019	1.299	-0.1557	3.2452
350	85.1	83.5	0.9505	1.317	0.0021	2.2695	2.0856	1.2942	-0.154	3.2257
351	85.5	83.7	0.9476	1.3155	0.0024	2.2655	2.066	1.29	-0.1546	3.2014
352	83.4	83.4	0.9471	1.3146	0.0024	2.264	2.0469	1.287	-0.1557	3.1782
353	83.2	83.3	0.9464	1.3131	0.0019	2.2613	2.0238	1.2817	-0.1536	3.1519
354	83.1	83.1	0.9458	1.3106	0.0018	2.2581	1.9971	1.2777	-0.153	3.1218
355	83.8	82.8	0.9408	1.3081	0.0065	2.2554	1.9806	1.2688	-0.156	3.0935
356	83.8	82.6	0.9354	1.3068	0.0097	2.2519	1.965	1.2669	-0.1541	3.0778
357	81.9	82.4	0.9315	1.305	0.0095	2.246	1.9432	1.2583	-0.1548	3.0467
358	85	82.2	0.929	1.304	0.0096	2.2426	1.9271	1.2566	-0.1529	3.0308
359	81.2	81.9	0.9262	1.3023	0.0097	2.2382	1.9129	1.2543	-0.1493	3.0179
360	83.8	81.8	0.9234	1.3006	0.0101	2.234	1.9042	1.2494	-0.1484	3.0052
361	78	81.7	0.9223	1.2992	0.0098	2.2313	1.8984	1.2421	-0.149	2.9915

362	79.8	81.9	0.9204	1.2975	0.0092	2.2271	1.8972	1.2399	-0.1465	2.9906
363	80.4	81.8	0.9188	1.2962	0.0092	2.2242	1.8927	1.2375	-0.1458	2.9844
364	78	81.8	0.9175	1.2953	0.0093	2.222	1.8812	1.2302	-0.1476	2.9638
365	79.6	81.5	0.9159	1.2933	0.009	2.2182	1.8679	1.2296	-0.1417	2.9558
366	80.4	81.3	0.9142	1.2921	0.0087	2.215	1.8548	1.2258	-0.14	2.9406
367	79.9	81.4	0.913	1.2907	0.0089	2.2126	1.8664	1.2243	-0.1421	2.9485
368	80.4	81.2	0.9103	1.2898	0.0092	2.2093	1.8767	1.2097	-0.1433	2.943
369	82.1	80.9	0.9074	1.2888	0.009	2.2052	1.8849	1.203	-0.1444	2.9435
370	84.6	80.6	0.906	1.2875	0.0095	2.203	1.8832	1.2052	-0.1419	2.9465
371	86.4	80.5	0.904	1.2872	0.0092	2.2004	1.892	1.1935	-0.1382	2.9473
372	81.7	80.5	0.9034	1.286	0.0091	2.1985	1.8995	1.193	-0.1376	2.9548
373	82.4	80.1	0.9023	1.2845	0.0093	2.1961	1.9031	1.1903	-0.1434	2.9501
374	78.8	80.1	0.9008	1.2838	0.0096	2.1941	1.8924	1.1896	-0.1488	2.9332
375	80.9	79.9	0.898	1.2824	0.0095	2.19	1.8791	1.1907	-0.15	2.9197
376	83.8	79.6	0.8964	1.2811	0.0095	2.1871	1.8587	1.1901	-0.1473	2.9015
377	80.1	79.4	0.8946	1.2795	0.0094	2.1835	1.8479	1.1909	-0.142	2.8967
378	75.4	79.1	0.8924	1.2786	0.0095	2.1805	1.8221	1.1885	-0.141	2.8696
379	78.8	78.9	0.8901	1.2778	0.0096	2.1775	1.8139	1.1914	-0.1415	2.8638
380	76.7	78.5	0.8846	1.277	0.0148	2.1764	1.805	1.172	-0.1427	2.8343
381	78.9	77.8	0.8821	1.2752	0.0159	2.1731	1.7872	1.1738	-0.1369	2.8242
382	73.4	77.5	0.8801	1.2748	0.0158	2.1707	1.7701	1.1767	-0.1334	2.8134
383	77.4	76.9	0.878	1.2741	0.0158	2.168	1.7421	1.1769	-0.1361	2.783
384	76.8	76.7	0.877	1.2727	0.0159	2.1656	1.7409	1.1675	-0.1388	2.7697
385	74.1	76.2	0.8751	1.2713	0.0156	2.1619	1.7515	1.1497	-0.1448	2.7564
386	75.9	75.6	0.8733	1.2705	0.0155	2.1593	1.7495	1.1358	-0.1471	2.7382
387	75.6	75.3	0.872	1.2697	0.0158	2.1575	1.721	1.1346	-0.1398	2.7158
388	77.9	75.2	0.8704	1.2688	0.0156	2.1548	1.698	1.1306	-0.138	2.6907
389	76.4	74.9	0.8692	1.2677	0.0153	2.1523	1.6666	1.1295	-0.142	2.654
390	73.2	74.7	0.8666	1.2666	0.0159	2.1491	1.6342	1.1293	-0.1439	2.6197
391	76	74.4	0.8643	1.2655	0.0165	2.1463	1.6134	1.1161	-0.1479	2.5816
392	71.8	74.4	0.863	1.2649	0.0166	2.1445	1.6086	1.1063	-0.1464	2.5685
393	74.9	74	0.8618	1.2642	0.0165	2.1425	1.6082	1.0981	-0.1451	2.5612
394	70	73.7	0.8599	1.2623	0.0165	2.1387	1.6017	1.1013	-0.1494	2.5535
395	72.4	73.3	0.8596	1.2599	0.0166	2.1361	1.601	1.1002	-0.1499	2.5512
396	74.2	73	0.8575	1.2594	0.0168	2.1337	1.6063	1.0941	-0.1504	2.5501
397	73.8	72.6	0.8556	1.2588	0.0169	2.1313	1.6221	1.0957	-0.1533	2.5645
398	73.5	72.1	0.8549	1.2574	0.0172	2.1295	1.5943	1.0906	-0.1506	2.5343

399	73.8	71.7	0.854	1.2563	0.017	2.1274	1.5764	1.0879	-0.1424	2.5219
400	72.5	71.5	0.8523	1.2555	0.0171	2.1249	1.5796	1.0846	-0.1407	2.5235
401	73.4	71	0.8505	1.2549	0.0172	2.1226	1.5835	1.0806	-0.1352	2.5289
402	70.2	70.8	0.8492	1.254	0.0171	2.1204	1.5769	1.0738	-0.1312	2.5195
403	71.2	70.4	0.8484	1.2531	0.0171	2.1185	1.5898	1.082	-0.1334	2.5384
404	66.5	70.4	0.8472	1.2525	0.0173	2.117	1.5898	1.0749	-0.1385	2.5261
405	68.7	70.2	0.8462	1.2514	0.017	2.1146	1.5954	1.0605	-0.1406	2.5154
406	68.5	69.8	0.846	1.2506	0.017	2.1136	1.5517	1.0464	-0.0908	2.5073
407	67.9	69.6	0.845	1.2494	0.0169	2.1113	1.4993	1.0413	-0.0608	2.4798
408	69.1	69.3	0.8437	1.2481	0.0168	2.1086	1.5053	1.0311	-0.0989	2.4376
409	69	69	0.8423	1.2476	0.0168	2.1066	1.5064	1.031	-0.1073	2.4301
410	67.3	68.5	0.8401	1.2467	0.0169	2.1037	1.4951	1.0272	-0.105	2.4173
411	67.2	68	0.8384	1.2455	0.0168	2.1007	1.4783	1.0201	-0.1011	2.3973
412	68	67.7	0.837	1.2446	0.0166	2.0982	1.457	1.0113	-0.0998	2.3684
413	69.9	67.4	0.8363	1.2441	0.0166	2.097	1.4489	1.0059	-0.1019	2.3529
414	68.5	67.4	0.8356	1.2427	0.0164	2.0947	1.4423	1.0038	-0.1006	2.3455
415	66.9	67.1	0.8347	1.2421	0.0162	2.093	1.4327	1.0021	-0.0997	2.335
416	69.6	66.9	0.8334	1.2409	0.0163	2.0906	1.4268	0.9922	-0.1015	2.3176
417	68.9	66.8	0.8316	1.2403	0.0163	2.0882	1.4259	0.9915	-0.1061	2.3112
418	67.2	66.4	0.83	1.2395	0.0164	2.0858	1.436	0.9876	-0.1059	2.3176
419	64.4	66.1	0.8295	1.2383	0.0164	2.0842	1.4239	0.9864	-0.1013	2.309
420	63.7	65.9	0.8273	1.2375	0.0162	2.081	1.4248	0.9855	-0.1003	2.3101
421	63.8	65.6	0.8256	1.2362	0.0162	2.078	1.4263	0.9753	-0.0943	2.3073
422	65.5	65.2	0.8231	1.2352	0.0165	2.0749	1.4144	0.983	-0.0942	2.3032
423	66.3	64.8	0.8217	1.2343	0.017	2.073	1.4172	0.9779	-0.0908	2.3043
424	62.7	64.4	0.8202	1.233	0.017	2.0702	1.4227	0.9701	-0.087	2.3058
425	65.8	64.1	0.8179	1.2323	0.0166	2.0668	1.4248	0.9714	-0.0833	2.3129
426	65.2	63.6	0.8161	1.2308	0.0164	2.0633	1.4176	0.9641	-0.0836	2.298
427	61.1	63.2	0.8149	1.2301	0.0162	2.0612	1.4023	0.9612	-0.0843	2.2792
428	64	62.8	0.8134	1.2286	0.016	2.0581	1.3819	0.9556	-0.085	2.2524
429	62.6	62.6	0.8119	1.2275	0.0162	2.0556	1.3557	0.9577	-0.0839	2.2295
430	61.5	62.4	0.8111	1.2264	0.0159	2.0534	1.3249	0.9659	-0.0867	2.2041
431	61.1	62.3	0.8097	1.2251	0.0155	2.0504	1.2702	0.9692	-0.0382	2.2013
432	61.5	62	0.8089	1.2238	0.0158	2.0486	1.2473	0.9598	-0.0278	2.1793
433	61.5	61.6	0.8068	1.2234	0.0158	2.046	1.2302	0.9599	-0.029	2.1611
434	61.9	61.5	0.805	1.2231	0.0157	2.0438	1.209	0.9617	-0.0272	2.1435
435	59.9	61.1	0.804	1.2226	0.0155	2.042	1.2156	0.9637	-0.0329	2.1465

436	61.7	60.8	0.8033	1.2217	0.0153	2.0403	1.2147	0.9518	-0.0381	2.1284
437	58.5	60.7	0.8027	1.2205	0.0154	2.0386	1.2081	0.949	-0.0354	2.1217
438	60.3	60.4	0.8031	1.2197	0.0156	2.0384	1.2068	0.9475	-0.0292	2.1251
439	60.4	60.2	0.8034	1.2179	0.0157	2.037	1.1956	0.9479	-0.0292	2.1142
440	61.6	59.9	0.8032	1.2171	0.0158	2.0361	1.1836	0.9495	-0.0306	2.1025
441	59.9	59.8	0.8016	1.2165	0.0159	2.0341	1.1587	0.9549	-0.0233	2.0904
442	59.8	59.5	0.7997	1.2157	0.0157	2.0311	1.1387	0.9628	-0.016	2.0855
443	60.6	59.3	0.7986	1.2146	0.0159	2.0292	1.1352	0.9736	-0.0125	2.0962
444	58	59	0.7977	1.2138	0.0159	2.0274	1.1261	0.9719	-0.013	2.085
445	58.7	58.9	0.7964	1.2129	0.0158	2.025	1.118	0.9603	-0.0149	2.0634
446	59.3	58.7	0.795	1.2118	0.0159	2.0227	1.1222	0.9397	-0.0136	2.0483
447	59.5	58.6	0.7948	1.211	0.0158	2.0217	1.1144	0.9405	-0.0113	2.0437
448	58.1	58.3	0.7948	1.2106	0.0154	2.0208	1.1128	0.9399	-0.0103	2.0425
449	56.7	58.1	0.7944	1.2096	0.0156	2.0197	1.119	0.9326	-0.0071	2.0445
450	57.8	57.9	0.7922	1.2089	0.0156	2.0166	1.116	0.9294	-0.0066	2.0388
451	57	57.7	0.7899	1.2081	0.0155	2.0136	1.112	0.9314	-0.0048	2.0385
452	57.7	57.6	0.7881	1.2064	0.0157	2.0102	1.1032	0.9332	-0.002	2.0344
453	56.6	57.3	0.7874	1.2056	0.0158	2.0087	1.0971	0.9306	-0.0025	2.0251
454	58.1	57.2	0.7863	1.2045	0.0158	2.0066	1.0957	0.9269	-0.0014	2.0212
455	57.2	57.2	0.7856	1.2035	0.0156	2.0047	1.0941	0.9337	-0.0017	2.0261
456	56.6	56.9	0.7855	1.2027	0.0158	2.0039	1.0978	0.9315	-0.002	2.0273
457	55.2	56.6	0.781	1.2018	0.0194	2.0022	1.1047	0.9374	-0.0018	2.0402
458	56.5	56.5	0.7784	1.2009	0.0203	1.9996	1.1056	0.9375	0.0011	2.0442
459	56.3	56.5	0.7767	1.1996	0.0202	1.9965	1.1008	0.9337	0.0019	2.0364
460	57.2	56.3	0.7755	1.1986	0.0202	1.9943	1.1183	0.9404	0.0036	2.0622
461	56.8	56.2	0.7766	1.1981	0.0198	1.9944	1.1309	0.9406	0.0073	2.0787
462	55	55.9	0.7755	1.1969	0.0194	1.9918	1.1227	0.9416	0.0078	2.0721
463	57.3	55.9	0.7746	1.1958	0.0192	1.9896	1.1158	0.9526	0.0062	2.0745
464	57.5	55.8	0.7742	1.195	0.0192	1.9885	1.1158	0.9665	0.0061	2.0883
465	54.7	55.6	0.7732	1.1941	0.0191	1.9865	1.1179	0.9638	0.0042	2.086
466	54.4	55.6	0.7716	1.193	0.0194	1.9839	1.1201	0.9671	-0.0006	2.0865
467	56	55.6	0.7694	1.192	0.0195	1.9809	1.1147	0.9624	0.002	2.0791
468	55.1	55.4	0.7679	1.1911	0.0194	1.9784	1.0974	0.9673	0.0019	2.0666
469	55.3	55.2	0.7649	1.1902	0.0191	1.9742	1.0784	0.9748	0	2.0532
470	53.7	55	0.7634	1.19	0.0189	1.9723	1.0716	0.9802	-0.0001	2.0517
471	53.5	54.7	0.7625	1.1889	0.0186	1.97	1.0483	0.986	-0.0019	2.0324
472	56	54.7	0.7616	1.1882	0.0182	1.968	1.0333	0.9792	-0.0039	2.0086

473	55.7	54.3	0.76	1.1875	0.018	1.9655	1.0105	0.9748	0.001	1.9862
474	54.7	54.1	0.7583	1.1866	0.0179	1.9628	1.0124	0.9687	0.0075	1.9886
475	56	54	0.7562	1.186	0.0179	1.9602	1.0153	0.9578	0.0068	1.98
476	55.4	53.7	0.7562	1.185	0.0179	1.9591	1.0025	0.9538	0.0023	1.9586
477	52.6	53.4	0.7564	1.184	0.0179	1.9583	0.9845	0.9487	0.0036	1.9368
478	51.8	53.1	0.7569	1.1828	0.0179	1.9576	0.9768	0.9534	0.0028	1.933
479	52.8	52.8	0.7576	1.1812	0.0183	1.9571	0.9621	0.9419	0.0025	1.9065
480	52.7	52.6	0.7576	1.1801	0.0186	1.9563	0.9444	0.9456	0.0045	1.8945
481	53.2	52.2	0.7573	1.1792	0.0187	1.9552	0.9495	0.946	0.0011	1.8967
482	51.6	51.8	0.7571	1.1788	0.0187	1.9546	0.9615	0.9429	-0.0006	1.9038
483	53	51.4	0.7571	1.178	0.0185	1.9536	0.9623	0.9384	0.0037	1.9044
484	52	51.2	0.7555	1.1763	0.0192	1.9509	0.9435	0.9482	0.0022	1.8938
485	49.3	50.9	0.7536	1.1761	0.0194	1.9491	0.9352	0.9512	-0.0004	1.886
486	50.1	50.8	0.7524	1.1756	0.0191	1.9472	0.9397	0.9472	-0.0033	1.8836
487	48.9	50.7	0.7513	1.175	0.0187	1.945	0.938	0.9471	-0.0063	1.8788
488	49.5	50.7	0.7509	1.174	0.0185	1.9433	0.9373	0.945	-0.0077	1.8746
489	49.7	50.6	0.7509	1.1728	0.0184	1.942	0.9591	0.9435	-0.006	1.8966
490	46.9	50.5	0.7508	1.1711	0.0182	1.9401	0.9671	0.9359	-0.004	1.8989
491	47.8	50.4	0.7504	1.1693	0.0181	1.9378	0.9654	0.9362	-0.0021	1.8994
492	49	50.4	0.7495	1.1675	0.0179	1.9349	0.9628	0.9355	0.0023	1.9006
493	50.8	50.1	0.7492	1.167	0.0178	1.934	0.9469	0.9383	0.0026	1.8878
494	50.5	50	0.7481	1.1662	0.018	1.9323	0.9389	0.943	0.0084	1.8903
495	52.1	50	0.7474	1.1659	0.018	1.9313	0.934	0.9506	0.0081	1.8927
496	51.5	49.9	0.7461	1.1654	0.0179	1.9293	0.925	0.9545	0.0087	1.8882
497	51.7	49.8	0.7443	1.1649	0.0179	1.9271	0.9249	0.9561	0.0139	1.8949
498	51.5	49.8	0.743	1.1642	0.0179	1.925	0.9449	0.964	0.0164	1.9253
499	49.8	49.7	0.7424	1.1634	0.0177	1.9235	0.9604	0.9674	0.0101	1.9379
500	51.1	49.9	0.7411	1.1624	0.0175	1.9211	0.9595	0.9728	0.0136	1.9458
501	51.5	50	0.7402	1.1615	0.0174	1.9191	0.9357	0.9829	0.0197	1.9383
502	48.8	50	0.7395	1.161	0.0174	1.9179	0.9196	0.9889	0.0234	1.9319
503	49.1	49.9	0.7388	1.1604	0.0172	1.9164	0.9045	0.9847	0.025	1.9142
504	49.8	49.8	0.7378	1.1591	0.0175	1.9144	0.9009	0.9847	0.0247	1.9102
505	48.8	49.6	0.7364	1.1583	0.0172	1.9119	0.8845	0.9837	0.0217	1.8899
506	46.6	49.3	0.7355	1.1569	0.0172	1.9095	0.87	0.9865	0.0193	1.8758
507	48.8	49.1	0.7344	1.1556	0.0168	1.9068	0.8645	0.9876	0.0161	1.8682
508	48.9	48.9	0.7337	1.1547	0.0166	1.9049	0.8231	0.9942	0.0475	1.8648
509	49	48.7	0.7304	1.1535	0.0164	1.9004	0.8028	0.9952	0.0535	1.8516

510	49.8	48.5	0.727	1.1527	0.0162	1.8958	0.7927	0.9851	0.052	1.8298
511	49	48.2	0.7261	1.1513	0.016	1.8935	0.799	0.9735	0.0537	1.8262
512	49.3	48.1	0.7255	1.1493	0.0159	1.8907	0.8191	0.9759	0.0507	1.8458
513	48.7	47.9	0.7247	1.1475	0.016	1.8881	0.8259	0.9644	0.0467	1.837
514	48.4	47.7	0.7238	1.1463	0.016	1.8861	0.86	0.9632	0.0427	1.8659
515	45.3	47.5	0.7227	1.1453	0.0163	1.8843	0.8739	0.9624	0.0127	1.849
516	47.6	47.4	0.7219	1.1447	0.0161	1.8827	0.858	0.9614	0.0097	1.8291
517	47.9	47.3	0.7218	1.1435	0.0161	1.8815	0.845	0.9602	0.0133	1.8184
518	47.5	47.2	0.7221	1.142	0.0164	1.8805	0.8261	0.9643	0.0173	1.8078
519	45.7	47	0.7223	1.1403	0.0164	1.879	0.8073	0.9717	0.0198	1.7988
520	46.5	46.9	0.7225	1.1389	0.0164	1.8778	0.7767	0.9729	0.0199	1.7695
521	46.3	46.7	0.7222	1.1383	0.0166	1.8771	0.7632	0.9797	0.0212	1.7641
522	46.8	46.5	0.7221	1.1377	0.0164	1.8762	0.7546	0.9801	0.0207	1.7553
523	45.4	46.4	0.7204	1.1375	0.0162	1.8741	0.7427	0.9854	0.0169	1.745
524	45.8	46.4	0.7187	1.1372	0.0163	1.8722	0.7359	0.9838	0.013	1.7327
525	44.4	46.5	0.7177	1.1369	0.0163	1.8709	0.731	0.9863	0.0131	1.7304
526	47.1	46.5	0.7177	1.1359	0.016	1.8696	0.7121	0.9863	0.014	1.7124
527	46.5	46.4	0.7172	1.1348	0.0159	1.8679	0.7143	0.9814	0.0161	1.7119
528	45.9	46.3	0.7172	1.1344	0.0158	1.8674	0.7344	0.9791	0.023	1.7365
529	46.8	46.4	0.7175	1.1329	0.0158	1.8662	0.7474	0.9792	0.024	1.7505
530	46.3	46.3	0.7162	1.1318	0.0158	1.8637	0.753	0.978	0.0227	1.7538
531	45.1	46.3	0.7136	1.1308	0.0156	1.86	0.7491	0.9829	0.0233	1.7553
532	46.6	46.1	0.7127	1.13	0.0154	1.8581	0.7489	0.9861	0.0253	1.7603
533	47.6	46	0.7125	1.1285	0.0155	1.8566	0.7594	0.9847	0.0275	1.7716
534	48.1	45.9	0.7115	1.128	0.0157	1.8552	0.7769	0.973	0.0254	1.7753
535	47.2	45.9	0.71	1.1279	0.0158	1.8537	0.7691	0.9529	0.0324	1.7545
536	46.5	45.7	0.7095	1.127	0.0159	1.8524	0.7548	0.9594	0.0354	1.7496
537	45.4	45.6	0.709	1.126	0.0162	1.8512	0.7498	0.9758	0.0339	1.7595
538	47	45.6	0.7072	1.1253	0.0162	1.8487	0.759	0.9828	0.0319	1.7736
539	45.8	45.5	0.7067	1.1243	0.0161	1.8471	0.776	0.9903	0.0336	1.7999
540	45	45.5	0.7067	1.1235	0.016	1.8462	0.7886	0.9914	0.034	1.8139
541	43.6	45.5	0.7054	1.123	0.0157	1.844	0.7929	0.9884	0.0337	1.8149
542	43.6	45.5	0.705	1.1218	0.0155	1.8423	0.7937	0.9863	0.0345	1.8145
543	43.5	45.5	0.7047	1.1203	0.0151	1.8402	0.7928	0.9807	0.0309	1.8044
544	43.9	45.3	0.7043	1.1187	0.0151	1.8381	0.79	0.9872	0.03	1.8072
545	44.3	45.2	0.7038	1.1174	0.0149	1.8362	0.774	0.987	0.0344	1.7953
546	45	45.1	0.7025	1.1162	0.0146	1.8333	0.7633	0.9932	0.0332	1.7897

547	45	45	0.7003	1.1146	0.0142	1.8291	0.7517	1.0036	0.0301	1.7854
548	44.6	44.8	0.6988	1.1138	0.0144	1.827	0.738	1.0173	0.0292	1.7845
549	46.1	44.8	0.6985	1.1124	0.0142	1.8251	0.7224	1.0169	0.0283	1.7675
550	46.2	44.6	0.6986	1.1106	0.0136	1.8228	0.7246	1.0155	0.0263	1.7665
551	46.9	44.6	0.698	1.1092	0.0132	1.8204	0.7235	1.0156	0.0264	1.7655
552	46.1	44.6	0.6976	1.1079	0.0132	1.8188	0.7283	1.0154	0.0288	1.7725
553	45.9	44.6	0.6973	1.1071	0.0133	1.8177	0.7393	1.0162	0.0317	1.7872
554	45.3	44.6	0.6978	1.1061	0.0136	1.8176	0.7442	1.0202	0.0304	1.7949
555	43.7	44.5	0.6986	1.1048	0.0137	1.8171	0.7472	1.0151	0.0307	1.7929
556	43.1	44.4	0.699	1.1039	0.0141	1.8171	0.7403	1.0128	0.0286	1.7816
557	44.2	44.3	0.6987	1.1024	0.0147	1.8158	0.7382	1.0078	0.0304	1.7764
558	44.6	44.2	0.6981	1.1014	0.015	1.8145	0.7323	0.9987	0.0285	1.7595
559	42.7	44	0.6974	1.1011	0.015	1.8135	0.7234	0.9886	0.0286	1.7406
560	43.2	43.8	0.6956	1.1012	0.0148	1.8117	0.6889	0.9785	0.0237	1.6911
561	42.3	43.6	0.6946	1.1005	0.0147	1.8098	0.658	0.9847	0.0177	1.6604
562	44	43.4	0.6929	1.1004	0.0147	1.8081	0.6544	0.992	0.0154	1.6617
563	43.8	43.2	0.6886	1.0995	0.015	1.803	0.6501	0.9817	0.0126	1.6444
564	42.1	43.2	0.6868	1.0988	0.018	1.8036	0.6495	0.9752	0.0127	1.6373
565	44	43.3	0.6874	1.098	0.0182	1.8035	0.6519	0.9648	0.0169	1.6337
566	42.5	43.4	0.6871	1.097	0.018	1.8021	0.6544	0.957	0.0203	1.6318
567	42.8	43.3	0.6868	1.0956	0.0178	1.8001	0.6585	0.9602	0.0173	1.636
568	43.4	43.3	0.6872	1.094	0.0174	1.7985	0.6678	0.9629	0.0189	1.6496
569	41.2	43.4	0.6873	1.0929	0.0171	1.7973	0.6731	0.978	0.0211	1.6721
570	42.9	43.4	0.6871	1.092	0.0168	1.7959	0.678	0.9758	0.0247	1.6785
571	42.4	43.4	0.6871	1.0909	0.0165	1.7945	0.682	0.9764	0.0218	1.6802
572	43.4	43.3	0.6874	1.0897	0.0165	1.7935	0.6831	0.9908	0.0218	1.6958
573	43.6	43.4	0.6864	1.0891	0.0167	1.7922	0.686	0.987	0.0202	1.6932
574	45.7	43.6	0.6852	1.088	0.0166	1.7898	0.6722	0.9878	0.0197	1.6797
575	45.6	43.5	0.685	1.0874	0.0165	1.7889	0.6555	0.9893	0.0181	1.6629
576	42.8	43.5	0.6848	1.0868	0.0163	1.7879	0.6474	0.9888	0.0173	1.6534
577	44.4	43.5	0.683	1.086	0.0156	1.7846	0.6501	0.989	0.016	1.6552
578	44.6	43.4	0.6821	1.0849	0.0155	1.7825	0.6624	0.9987	0.0178	1.6789
579	43.4	43.5	0.6823	1.0834	0.016	1.7817	0.6707	1.0077	0.0164	1.6949
580	42.2	43.4	0.6827	1.0818	0.0163	1.7807	0.6694	1.0088	0.0187	1.6969
581	42.6	43.4	0.6824	1.0806	0.0162	1.7792	0.6585	1.011	0.0226	1.692
582	45.1	43.3	0.6812	1.0803	0.0159	1.7774	0.65	1.0107	0.0149	1.6757
583	45.2	43.2	0.6795	1.0807	0.016	1.7761	0.6502	1.0029	0.009	1.6622

584	42.9	43	0.6785	1.081	0.0159	1.7755	0.66	0.9929	0.0164	1.6693
585	42.3	42.8	0.6781	1.0801	0.0159	1.7741	0.6603	0.9943	0.0226	1.6773
586	42.4	42.7	0.6775	1.0781	0.0157	1.7712	0.6518	1.0097	0.0246	1.6862
587	42.4	42.5	0.6754	1.0767	0.0155	1.7676	0.654	1.0231	0.0259	1.703
588	42.1	42.5	0.6733	1.075	0.0151	1.7634	0.654	1.0299	0.027	1.7109
589	41.7	42.3	0.672	1.0736	0.015	1.7606	0.6396	1.0429	0.0266	1.7091
590	41.8	42.2	0.6715	1.0723	0.0148	1.7586	0.6411	1.044	0.0296	1.7148
591	41.2	42.2	0.671	1.0706	0.0147	1.7563	0.647	1.0395	0.0314	1.718
592	41.8	41.9	0.6702	1.0695	0.0148	1.7544	0.6407	1.0397	0.0324	1.7128
593	42.4	41.8	0.6702	1.0683	0.0148	1.7533	0.656	1.0406	0.0327	1.7293
594	41.6	41.7	0.6707	1.0676	0.0146	1.7528	0.6583	1.0435	0.0308	1.7326
595	40.4	41.6	0.6711	1.0666	0.0147	1.7523	0.6522	1.0414	0.0274	1.7209
596	42	41.6	0.6709	1.065	0.0149	1.7508	0.642	1.0491	0.0247	1.7158
597	44.1	41.5	0.6705	1.0631	0.015	1.7486	0.6222	1.0525	0.0186	1.6933
598	39.7	41.4	0.6707	1.0625	0.0151	1.7483	0.5961	1.0473	0.0101	1.6534
599	40.5	41.5	0.6699	1.0618	0.0151	1.7468	0.5801	1.047	0.0106	1.6377
600	41.3	41.4	0.6688	1.0609	0.0149	1.7445	0.5859	1.0371	0.0078	1.6307
601	40.9	41.4	0.6674	1.06	0.0145	1.7419	0.5892	1.0257	0.004	1.6189
602	42.1	41.3	0.6656	1.0593	0.0142	1.7391	0.5842	1.0251	0.0026	1.6119
603	42.1	41.3	0.6644	1.0583	0.0142	1.7369	0.5822	1.0291	0.0012	1.6125
604	40.2	41.4	0.6631	1.0576	0.0144	1.7351	0.5828	1.0315	-0.0028	1.6115
605	41.4	41.5	0.6624	1.057	0.0143	1.7337	0.5876	1.0267	0.0033	1.6177
606	41.4	41.6	0.6617	1.0561	0.0141	1.7319	0.6005	1.0271	0.0023	1.6298
607	40.5	41.6	0.6612	1.0558	0.0139	1.7309	0.6113	1.0208	0.0059	1.638
608	42.1	41.6	0.6613	1.0559	0.0137	1.7309	0.6068	1.0124	0.0122	1.6314
609	40.5	41.7	0.6616	1.0557	0.0141	1.7313	0.6032	1.0119	0.0129	1.628
610	41.3	41.7	0.6612	1.0542	0.0144	1.7298	0.6004	1.017	0.0134	1.6308
611	40.1	41.7	0.6607	1.0521	0.0145	1.7273	0.5842	1.0249	0.0139	1.6229
612	42.3	41.7	0.6605	1.0511	0.0147	1.7263	0.5704	1.026	0.0131	1.6094
613	43.2	41.7	0.6598	1.05	0.0147	1.7244	0.5529	1.0388	0.013	1.6046
614	43.1	41.8	0.6586	1.0499	0.0143	1.7228	0.5144	1.0435	0.0132	1.5711
615	44.1	41.9	0.6573	1.0497	0.0142	1.7212	0.4976	1.0483	0.0444	1.5902
616	42.8	41.9	0.6561	1.0486	0.0144	1.7191	0.503	1.0536	0.0486	1.6052
617	41	42	0.655	1.0473	0.0142	1.7165	0.505	1.0462	0.0482	1.5994
618	42	41.9	0.6548	1.0442	0.0143	1.7133	0.5184	1.037	0.042	1.5975
619	40.3	41.9	0.6545	1.0427	0.0139	1.7111	0.56	1.0226	0.0422	1.6248
620	41.3	41.9	0.6543	1.0412	0.0142	1.7097	0.5682	1.0275	0.0419	1.6375

621	41.8	41.8	0.6539	1.0392	0.0144	1.7076	0.5741	1.034	0.0412	1.6493
622	42.1	41.5	0.6535	1.039	0.0144	1.7069	0.5889	1.0344	0.037	1.6602
623	43.3	41.3	0.6532	1.0387	0.0143	1.7061	0.5988	1.0387	0.0365	1.6741
624	42.5	41	0.6531	1.0383	0.0145	1.706	0.5927	1.0463	0.0415	1.6805
625	42.2	40.8	0.6529	1.038	0.0146	1.7056	0.586	1.0569	0.0427	1.6856
626	41.4	40.6	0.6527	1.037	0.0144	1.7041	0.5953	1.0689	0.0436	1.7078
627	41.6	40.6	0.651	1.0349	0.0141	1.7	0.6047	1.09	0.0422	1.7369
628	40.2	40.5	0.6501	1.0336	0.0142	1.6979	0.5963	1.0879	0.0331	1.7173
629	39.9	40.6	0.6505	1.032	0.0139	1.6965	0.5831	1.0859	0.0404	1.7094
630	38.5	40.6	0.6503	1.0307	0.0135	1.6945	0.5848	1.0848	0.0485	1.7181
631	38	40.5	0.6486	1.0298	0.0141	1.6924	0.5927	1.0889	0.055	1.7366
632	38.5	40.4	0.6477	1.0297	0.0145	1.6919	0.5868	1.0852	0.054	1.7259
633	37.4	40.3	0.6465	1.0292	0.0139	1.6896	0.5758	1.1077	0.051	1.7344
634	39.5	40.2	0.6455	1.0285	0.0134	1.6874	0.564	1.1326	0.0356	1.7322
635	39.9	40.1	0.6448	1.0269	0.0133	1.6851	0.5511	1.1458	0.0169	1.7138
636	40.2	40.1	0.6441	1.0246	0.0134	1.6821	0.5442	1.1512	0.0156	1.711
637	41	40.1	0.6436	1.023	0.0135	1.6801	0.5359	1.1375	0.0125	1.6858
638	41.3	40.2	0.6432	1.021	0.0135	1.6778	0.5253	1.1274	0.0111	1.6638
639	42.2	40.2	0.6426	1.0199	0.0131	1.6756	0.5143	1.1154	0.0057	1.6355
640	39.9	40.3	0.642	1.0196	0.0128	1.6744	0.5163	1.1093	0.005	1.6306
641	41	40.4	0.6413	1.019	0.0124	1.6727	0.5216	1.1095	0.0075	1.6385
642	39.6	40.6	0.6394	1.0178	0.0122	1.6694	0.5342	1.102	0.0092	1.6454
643	41.1	40.8	0.6389	1.016	0.012	1.6669	0.5312	1.1133	0.0148	1.6593
644	40.7	40.9	0.6391	1.0146	0.0123	1.666	0.5327	1.1239	0.0166	1.6732
645	41.7	40.9	0.6396	1.0125	0.0124	1.6646	0.5416	1.1406	0.0167	1.699
646	40.9	40.9	0.6403	1.0109	0.0127	1.6639	0.5514	1.1449	0.0211	1.7174
647	42.1	40.9	0.6407	1.0099	0.0132	1.6638	0.5526	1.1357	0.0293	1.7176
648	41.2	40.8	0.6407	1.0091	0.0134	1.6632	0.5498	1.134	0.0347	1.7184
649	39.9	40.7	0.6399	1.0086	0.0135	1.662	0.5493	1.1515	0.0332	1.734
650	40.3	40.7	0.6397	1.008	0.0132	1.6609	0.5402	1.1692	0.0302	1.7395
651	42.2	40.7	0.6396	1.0067	0.0129	1.6592	0.5278	1.1794	0.0253	1.7325
652	41.6	40.9	0.6394	1.005	0.0131	1.6575	0.5138	1.1871	0.0258	1.7267
653	41.4	40.9	0.639	1.004	0.0136	1.6566	0.4949	1.192	0.0179	1.7048
654	39.5	40.9	0.6391	1.0035	0.0133	1.6558	0.4821	1.1992	0.0165	1.6979
655	40.2	41	0.6386	1.0021	0.0134	1.6541	0.4692	1.1937	0.0151	1.678
656	40.2	40.9	0.6379	1.0018	0.0136	1.6533	0.4599	1.1942	0.0108	1.6649
657	40.1	40.9	0.638	1.0012	0.0135	1.6526	0.4538	1.1961	0.0085	1.6584

658	40.6	40.9	0.6378	1.0002	0.0137	1.6517	0.4547	1.1981	0.0096	1.6623
659	40	41.1	0.6374	0.9994	0.0137	1.6504	0.4649	1.2101	0.008	1.683
660	41	41.2	0.6372	0.9987	0.0134	1.6494	0.48	1.2175	0.0106	1.7081
661	42.5	41.1	0.6376	0.9979	0.0134	1.6489	0.4889	1.2075	0.0072	1.7037
662	40.2	41	0.6377	0.9966	0.0134	1.6476	0.487	1.1927	0.0056	1.6854
663	41.5	40.9	0.6371	0.9951	0.0136	1.6459	0.4809	1.1876	0.0106	1.6791
664	42.8	41	0.6371	0.994	0.0135	1.6446	0.4808	1.1891	0.011	1.6809
665	40	41	0.6371	0.9926	0.0133	1.643	0.4789	1.1916	0.0061	1.6766
666	42	41.1	0.6366	0.9923	0.0132	1.6421	0.4774	1.1951	0.0055	1.6781
667	41.9	41.1	0.6349	0.9919	0.0136	1.6403	0.4836	1.1932	0.008	1.6849
668	42.7	41.2	0.6312	0.9917	0.0132	1.636	0.4798	1.1948	0.0091	1.6837
669	42.1	41.4	0.6304	0.9902	0.0129	1.6335	0.4801	1.1832	0.0147	1.678
670	40.3	41.5	0.6297	0.9886	0.0127	1.6309	0.4791	1.1796	0.0141	1.6727
671	39.6	41.4	0.6282	0.9874	0.0128	1.6285	0.4811	1.1808	0.0212	1.6832
672	40	41.5	0.6275	0.9858	0.0128	1.6261	0.4807	1.1801	0.0266	1.6873
673	40.6	41.5	0.6272	0.9844	0.0125	1.6242	0.4706	1.2151	0.0296	1.7153
674	40	41.5	0.6266	0.9823	0.0123	1.6212	0.4625	1.2247	0.0252	1.7123
675	42.3	41.5	0.6255	0.9805	0.0121	1.6181	0.466	1.2411	0.0195	1.7266
676	41.3	41.6	0.6243	0.9778	0.0121	1.6143	0.4635	1.2353	0.0178	1.7167
677	41.3	41.6	0.6233	0.9773	0.0123	1.6129	0.4606	1.234	0.0134	1.7079
678	43.7	41.6	0.6238	0.9763	0.0115	1.6116	0.4368	1.2227	0.0094	1.6688
679	42.9	41.6	0.6238	0.9749	0.0111	1.6099	0.423	1.2142	0.0051	1.6423
680	41.9	41.6	0.6234	0.9729	0.0108	1.6071	0.4242	1.2065	0.0001	1.6307
681	41.2	41.6	0.6238	0.972	0.0108	1.6066	0.4231	1.2063	-0.0006	1.6288
682	42.4	41.6	0.6236	0.9695	0.0109	1.604	0.4099	1.2066	0.0076	1.6241
683	42.4	41.6	0.6231	0.9674	0.0124	1.6029	0.4121	1.215	0.0132	1.6403
684	40.8	41.6	0.6234	0.9664	0.0142	1.6041	0.4162	1.216	0.0088	1.6409
685	42.1	41.5	0.6237	0.965	0.0143	1.603	0.4138	1.2217	0.0076	1.6431
686	42.5	41.5	0.6239	0.9643	0.0144	1.6026	0.4093	1.2295	0.0082	1.6471
687	42.5	41.6	0.6229	0.9639	0.0144	1.6013	0.389	1.2109	0.0056	1.6054
688	41.7	41.4	0.6218	0.9634	0.0146	1.5998	0.3803	1.2092	0.0055	1.5949
689	41.6	41.2	0.6204	0.9627	0.0145	1.5976	0.367	1.2005	0.0032	1.5708
690	38.7	41.2	0.6193	0.9613	0.0141	1.5947	0.3644	1.1963	-0.0019	1.5588
691	41	41.1	0.6176	0.9604	0.0137	1.5918	0.3599	1.2064	-0.006	1.5603
692	39.9	40.9	0.6171	0.9581	0.0133	1.5885	0.3561	1.2131	-0.0093	1.5599
693	40.7	40.8	0.6169	0.9559	0.0131	1.5859	0.3453	1.2122	-0.0115	1.546
694	40.7	40.8	0.6165	0.9535	0.0129	1.5829	0.349	1.2041	-0.016	1.5371

695	41.3	40.6	0.6159	0.9521	0.0126	1.5806	0.363	1.198	-0.0132	1.5478
696	41.6	40.5	0.6156	0.9514	0.012	1.5791	0.3763	1.195	-0.0102	1.5611
697	40.2	40.4	0.6155	0.9497	0.0115	1.5768	0.3716	1.196	-0.0061	1.5615
698	40.5	40.3	0.6158	0.9473	0.0118	1.5749	0.3758	1.1962	-0.0011	1.5708
699	41.2	40.2	0.6159	0.9449	0.0121	1.5729	0.384	1.2052	0.0005	1.5897
700	39.4	40.3	0.616	0.9429	0.0124	1.5713	0.3965	1.2131	0.0008	1.6104
701	38.4	40.3	0.616	0.9413	0.0119	1.5692	0.4066	1.2177	0.0002	1.6245
702	40.5	40.4	0.6161	0.9401	0.0124	1.5687	0.4187	1.2167	-0.0034	1.6321
703	39.7	40.3	0.6162	0.9384	0.0125	1.5672	0.4308	1.2143	-0.0057	1.6394
704	39.9	40.2	0.6162	0.9382	0.0129	1.5673	0.4243	1.2134	-0.0026	1.635
705	40.8	40.1	0.6164	0.9376	0.0133	1.5672	0.426	1.2204	-0.0055	1.6409
706	40.4	40	0.6163	0.9365	0.0133	1.5661	0.4203	1.2146	-0.0053	1.6295
707	39.5	40	0.6158	0.936	0.013	1.5647	0.4181	1.2218	-0.0024	1.6375
708	39.9	39.9	0.6148	0.9348	0.0129	1.5626	0.435	1.2277	0.0015	1.6642
709	39.9	39.8	0.6136	0.9339	0.013	1.5605	0.4535	1.232	0.0091	1.6947
710	40.8	39.8	0.6123	0.9334	0.0137	1.5594	0.466	1.2405	0.0134	1.7199
711	41.4	39.9	0.612	0.9328	0.0139	1.5587	0.4661	1.2454	0.0164	1.7279
712	39	39.9	0.6124	0.9324	0.0136	1.5584	0.4737	1.2581	0.0151	1.7469
713	38.6	40	0.6117	0.931	0.0136	1.5563	0.4883	1.2582	0.0154	1.7619
714	40.1	39.9	0.6107	0.9307	0.0137	1.5551	0.4902	1.2558	0.0162	1.7622
715	39.5	39.9	0.6095	0.9301	0.0137	1.5533	0.4941	1.2589	0.0195	1.7726
716	39.9	39.9	0.6077	0.9293	0.0136	1.5506	0.4994	1.2584	0.0216	1.7794
717	39.2	40	0.6071	0.9278	0.0133	1.5482	0.4953	1.2695	0.0205	1.7853
718	38.9	40	0.6068	0.9259	0.0128	1.5455	0.4776	1.2793	0.0223	1.7792
719	39	40	0.6066	0.9248	0.0125	1.5439	0.4359	1.2985	0.0169	1.7512
720	40.5	40	0.6062	0.9232	0.0121	1.5414	0.4291	1.3008	0.0114	1.7414
721	41	39.9	0.6059	0.9212	0.0118	1.5388	0.4171	1.3068	0.005	1.729
722	41.1	40	0.6064	0.9175	0.0115	1.5354	0.3929	1.301	0.0065	1.7003
723	39.2	40	0.607	0.9162	0.0118	1.5349	0.3817	1.2983	0.0085	1.6885
724	39.6	39.9	0.6065	0.9142	0.0126	1.5333	0.3753	1.2948	0.0053	1.6754
725	41.6	39.8	0.6066	0.9145	0.0128	1.5339	0.3607	1.2817	0.0018	1.6441
726	40.9	39.8	0.6066	0.9136	0.0131	1.5333	0.3413	1.281	-0.0033	1.6191
727	40.7	39.7	0.6073	0.9127	0.0132	1.5332	0.3266	1.2696	-0.0078	1.5884
728	39.8	39.7	0.6078	0.9122	0.0136	1.5337	0.3163	1.2747	-0.0066	1.5844
729	39.9	39.7	0.6081	0.9114	0.0139	1.5334	0.3236	1.2781	-0.0136	1.5881
730	40.4	39.6	0.608	0.9101	0.0136	1.5317	0.3323	1.2726	-0.0165	1.5884
731	39.9	39.4	0.6076	0.9091	0.0134	1.53	0.3309	1.267	-0.0185	1.5795

732	39.5	39.4	0.6065	0.9082	0.0132	1.5279	0.3321	1.2646	-0.0208	1.5758
733	37.2	39.4	0.6049	0.9076	0.013	1.5256	0.3356	1.2465	-0.0205	1.5617
734	38.7	39.4	0.6041	0.9064	0.0127	1.5231	0.3407	1.232	-0.0058	1.567
735	39	39.3	0.6039	0.9039	0.0125	1.5204	0.355	1.2356	0.0141	1.6047
736	36.8	39.3	0.6052	0.9036	0.0128	1.5215	0.3654	1.2376	0.0146	1.6176
737	39.2	39.2	0.6056	0.9021	0.0129	1.5206	0.3795	1.2407	0.0151	1.6353
738	38.7	39.2	0.6065	0.901	0.0132	1.5207	0.3707	1.247	0.0122	1.6299
739	38.8	39.3	0.6062	0.9002	0.0133	1.5197	0.36	1.2574	0.0153	1.6327
740	38.2	39.3	0.606	0.8989	0.0134	1.5184	0.3549	1.2646	0.0136	1.6331
741	39.6	39.2	0.6057	0.8977	0.0134	1.5168	0.3525	1.2663	0.005	1.6238
742	39.2	39.2	0.6049	0.8966	0.0133	1.5148	0.3328	1.2697	-0.0036	1.5989
743	39.6	39.5	0.604	0.8956	0.0136	1.5132	0.317	1.2567	-0.0092	1.5644
744	41	39.6	0.6028	0.8948	0.0136	1.5112	0.3148	1.2491	-0.009	1.5549
745	40.3	39.7	0.602	0.893	0.0134	1.5085	0.314	1.2389	-0.0138	1.5392
746	39.5	39.8	0.6031	0.8913	0.0133	1.5078	0.3053	1.2371	-0.0145	1.5279
747	40	39.9	0.6031	0.8903	0.0133	1.5067	0.3055	1.2475	-0.0223	1.5307
748	40.4	40.1	0.6023	0.8886	0.0133	1.5043	0.3051	1.2424	-0.0258	1.5217
749	40.6	40.2	0.6003	0.8873	0.0134	1.501	0.3123	1.2295	-0.0239	1.5178
750	39.4	40.1	0.599	0.8863	0.0132	1.4985	0.3141	1.2114	-0.0188	1.5066
751	39.4	40.2	0.5977	0.885	0.0133	1.496	0.3109	1.2053	-0.0135	1.5027
752	41.6	40.1	0.5963	0.8836	0.0136	1.4936	0.3094	1.2032	-0.0208	1.4918
753	41.4	40.1	0.5966	0.8826	0.0139	1.4931	0.3143	1.207	-0.0158	1.5055
754	40.1	40	0.5965	0.8814	0.0139	1.4918	0.3175	1.1993	-0.0122	1.5046
755	39.8	40	0.5966	0.8807	0.014	1.4912	0.3267	1.206	-0.0051	1.5276
756	40.8	40	0.5961	0.8797	0.0138	1.4896	0.3476	1.2169	-0.0003	1.5641
757	41.4	39.9	0.5945	0.8784	0.0133	1.4862	0.352	1.2192	-0.002	1.5692
758	41	39.8	0.5924	0.877	0.0128	1.4822	0.3544	1.2239	-0.0065	1.5719
759	37.4	39.7	0.5908	0.8753	0.0123	1.4784	0.3546	1.2214	-0.0039	1.5721
760	40.2	39.7	0.5906	0.8742	0.0118	1.4766	0.3473	1.2215	-0.0049	1.5639
761	37.8	39.6	0.5902	0.8721	0.0119	1.4742	0.3348	1.2219	0.003	1.5597
762	40	39.4	0.5888	0.8707	0.0119	1.4714	0.3421	1.2266	0.0054	1.5741
763	39.1	39.3	0.5881	0.8696	0.012	1.4697	0.3523	1.2381	0.0012	1.5915
764	39.5	39.1	0.5877	0.8681	0.0116	1.4673	0.3482	1.2416	-0.0004	1.5895
765	39.6	39	0.5872	0.8668	0.0112	1.4651	0.3412	1.2496	-0.0021	1.5887
766	38	38.9	0.5871	0.8654	0.0112	1.4636	0.3325	1.2534	-0.0032	1.5827
767	38.5	38.7	0.5872	0.8639	0.0113	1.4624	0.318	1.2556	-0.0057	1.5679
768	39.7	38.6	0.5876	0.8619	0.0115	1.4609	0.3109	1.2482	-0.0071	1.552

769	38.6	38.6	0.5875	0.8601	0.0117	1.4594	0.3071	1.2467	-0.0118	1.542
770	37.9	38.6	0.588	0.8579	0.0122	1.458	0.2999	1.2493	-0.0121	1.5372
771	38.5	38.6	0.5889	0.8574	0.0122	1.4584	0.2937	1.2526	-0.013	1.5332
772	38.7	38.4	0.5893	0.856	0.012	1.4573	0.2931	1.2438	-0.0162	1.5206
773	37	38.3	0.5896	0.855	0.012	1.4566	0.3022	1.2206	-0.0182	1.5047
774	37.9	38.2	0.5905	0.8542	0.0121	1.4568	0.3105	1.2175	-0.0151	1.5129
775	38.1	38.1	0.5914	0.8524	0.0125	1.4562	0.3057	1.2054	-0.0082	1.5029
776	37.5	38.2	0.5917	0.8509	0.0129	1.4554	0.3084	1.2165	-0.0068	1.5181
777	39.1	38.1	0.5917	0.8498	0.0129	1.4544	0.3179	1.2125	-0.0038	1.5265
778	38.4	38.1	0.5914	0.8485	0.0128	1.4528	0.3334	1.2078	0.0018	1.5429
779	38.7	38.1	0.5906	0.8477	0.0128	1.4511	0.3419	1.2157	0.0077	1.5653
780	38.6	38.1	0.5903	0.8462	0.0126	1.4491	0.3428	1.2163	0.0069	1.566
781	36.4	38.1	0.5906	0.8456	0.0129	1.449	0.3437	1.2216	0.0019	1.5672
782	37.3	38	0.59	0.8449	0.0129	1.4478	0.3369	1.2204	0.0035	1.5609
783	38.1	38.2	0.589	0.8442	0.013	1.4462	0.3319	1.2195	0.0041	1.5555
784	37.8	38.2	0.5879	0.8429	0.0128	1.4436	0.3195	1.2275	0.001	1.548
785	38.4	38.2	0.5871	0.8413	0.0129	1.4413	0.3201	1.2267	-0.004	1.5428
786	38.3	38.2	0.5859	0.8402	0.0129	1.4391	0.3156	1.2142	-0.0051	1.5246
787	38	38.2	0.5858	0.8392	0.0132	1.4383	0.328	1.2181	-0.0041	1.5421
788	39.1	38.2	0.5858	0.8377	0.013	1.4365	0.3236	1.2144	-0.0068	1.5311
789	38.2	38.2	0.5849	0.8362	0.0131	1.4342	0.3287	1.2141	-0.0059	1.537
790	37.8	38.2	0.5841	0.8347	0.0136	1.4324	0.3276	1.219	-0.0032	1.5433
791	38.1	38.3	0.5843	0.8335	0.0141	1.4319	0.3282	1.2178	0.0005	1.5465
792	39.4	38.4	0.5854	0.8325	0.0142	1.4321	0.3325	1.2109	0.0001	1.5435
793	38.4	38.5	0.5855	0.831	0.014	1.4305	0.3241	1.2052	0.001	1.5304
794	39.2	38.5	0.5851	0.8296	0.0143	1.429	0.3175	1.2098	0.005	1.5323
795	37.3	38.6	0.5854	0.8284	0.014	1.4278	0.3143	1.2121	0.0072	1.5335
796	37.5	38.7	0.5851	0.8267	0.0142	1.426	0.3161	1.2068	0.0025	1.5254
797	39.8	38.8	0.585	0.8255	0.0141	1.4246	0.3229	1.1927	0.0041	1.5197
798	38.1	38.9	0.5846	0.8244	0.0142	1.4231	0.3196	1.1939	0.003	1.5165
799	39.4	38.8	0.5845	0.8238	0.0139	1.4222	0.3028	1.1909	0.0028	1.4965
800	38.6	38.9	0.5849	0.8224	0.0137	1.421	0.2776	1.1841	0.0028	1.4644
801	39.1	39	0.5851	0.821	0.014	1.42	0.2671	1.179	0.0006	1.4467
802	38.2	39	0.5847	0.8195	0.014	1.4181	0.255	1.1735	0.0008	1.4292
803	38.9	39	0.5844	0.8185	0.0138	1.4167	0.2447	1.1737	0.0044	1.4229
804	40.9	38.9	0.5835	0.8176	0.0134	1.4145	0.2488	1.1757	0.0039	1.4284
805	39.1	38.9	0.5816	0.8159	0.0133	1.4108	0.2537	1.1727	0.004	1.4304

806	39.9	38.9	0.5811	0.8146	0.0135	1.4092	0.2599	1.1737	0.0097	1.4434
807	40.7	38.9	0.5803	0.8136	0.0136	1.4075	0.2561	1.1814	0.0089	1.4464
808	37	38.9	0.5794	0.8127	0.0133	1.4054	0.2563	1.1804	0.0041	1.4407
809	39.7	38.9	0.5788	0.8118	0.0135	1.4041	0.2396	1.1811	0.0017	1.4225
810	40.5	38.9	0.5788	0.8113	0.0134	1.4034	0.2295	1.1756	-0.0011	1.404
811	38.6	38.9	0.5778	0.8102	0.0134	1.4013	0.2348	1.1714	-0.0084	1.3978
812	38.7	38.8	0.5771	0.8086	0.0135	1.3992	0.2392	1.1599	-0.0082	1.3909
813	37.3	38.7	0.5769	0.8069	0.0136	1.3974	0.2283	1.1584	-0.0053	1.3813
814	37.1	38.5	0.5766	0.8057	0.0139	1.3962	0.2201	1.164	-0.0035	1.3806
815	37.6	38.4	0.5763	0.8048	0.014	1.3951	0.2181	1.163	-0.0121	1.3691
816	38.9	38.3	0.5759	0.8038	0.0141	1.3938	0.2126	1.1593	-0.0159	1.356
817	38.1	38.2	0.576	0.803	0.014	1.393	0.21	1.153	-0.015	1.3479
818	39.4	38.1	0.5761	0.8012	0.014	1.3913	0.2107	1.1448	-0.013	1.3425
819	38.5	38.1	0.5766	0.7999	0.0137	1.3902	0.2193	1.1308	-0.0097	1.3403
820	39	38	0.5768	0.7979	0.0134	1.3881	0.2255	1.1256	-0.0074	1.3437
821	36.8	37.9	0.5766	0.7968	0.0134	1.3868	0.2354	1.1131	-0.0052	1.3433
822	36.8	37.9	0.5762	0.7954	0.0133	1.3849	0.2479	1.1142	-0.005	1.3571
823	37.3	37.9	0.5759	0.7945	0.0133	1.3836	0.2491	1.1072	-0.0058	1.3505
824	38.1	37.9	0.5759	0.7937	0.0134	1.383	0.2511	1.1053	-0.0036	1.3527
825	37.6	37.9	0.5758	0.7929	0.0135	1.3821	0.2496	1.1045	-0.0015	1.3526
826	37.9	37.7	0.5748	0.7924	0.0135	1.3807	0.2411	1.0977	0.0009	1.3397
827	36.6	37.7	0.574	0.7919	0.013	1.3789	0.2338	1.0929	0.0043	1.331
828	38.8	37.6	0.5737	0.7906	0.0129	1.3772	0.233	1.087	0.0055	1.3256
829	38.2	37.5	0.5739	0.7897	0.0132	1.3768	0.2338	1.0819	0.0026	1.3183
830	37.4	37.4	0.5736	0.7879	0.0134	1.3749	0.2289	1.081	0.0003	1.3102
831	38.7	37.3	0.5739	0.787	0.013	1.3739	0.2362	1.0787	-0.003	1.3118
832	38.1	37.1	0.5733	0.7863	0.0128	1.3723	0.2466	1.0788	-0.0015	1.3239
833	37	37.1	0.5729	0.7849	0.0129	1.3708	0.2441	1.0769	-0.001	1.32
834	37	37	0.5721	0.7837	0.0131	1.3689	0.2278	1.0828	0.002	1.3126
835	35.3	36.8	0.5724	0.7825	0.013	1.3679	0.2185	1.0883	-0.0027	1.3042
836	37.9	36.6	0.5724	0.7817	0.0132	1.3673	0.2135	1.0726	0.0005	1.2866
837	37.8	36.6	0.5732	0.7806	0.0136	1.3675	0.2077	1.0716	-0.0005	1.2788
838	36.7	36.4	0.5737	0.7796	0.0138	1.367	0.2083	1.0672	0.004	1.2794
839	35.8	36.3	0.5734	0.7783	0.0136	1.3654	0.2099	1.0548	0.004	1.2686
840	35	36.1	0.5732	0.7771	0.0134	1.3637	0.2068	1.0492	0.004	1.2599
841	34.4	36	0.5724	0.7766	0.0134	1.3624	0.2045	1.0406	0.0079	1.253
842	36	35.9	0.5725	0.776	0.0132	1.3618	0.2091	1.0312	0.0142	1.2545

843	36.2	35.9	0.5723	0.7746	0.0131	1.36	0.2236	1.029	0.0175	1.27
844	34.1	35.9	0.5714	0.7736	0.0129	1.3579	0.2281	1.0194	0.0172	1.2647
845	35.2	36	0.5704	0.7723	0.0132	1.3559	0.2254	1.012	0.0196	1.257
846	35.1	35.9	0.5708	0.7721	0.0129	1.3558	0.2228	1.0156	0.0191	1.2575
847	35.5	35.9	0.5711	0.7709	0.013	1.3551	0.2152	1.0156	0.0173	1.2481
848	35.7	35.8	0.5721	0.7695	0.013	1.3546	0.2076	1.0347	-0.0115	1.2308
849	34.6	35.8	0.5725	0.7689	0.0131	1.3545	0.2119	1.0219	-0.0182	1.2156
850	36	35.8	0.5723	0.7684	0.0131	1.3538	0.2199	1.0201	-0.0206	1.2195
851	36.6	35.9	0.5722	0.7677	0.0132	1.3531	0.2218	1.0118	-0.0224	1.2113
852	37	35.9	0.5719	0.7662	0.0132	1.3513	0.2174	1.0019	-0.018	1.2013
853	36.6	35.9	0.5717	0.7651	0.0135	1.3502	0.2065	0.9906	-0.0159	1.1812
854	37.4	35.9	0.5711	0.7642	0.0135	1.3487	0.1993	0.9847	-0.0187	1.1654
855	36.2	35.9	0.5706	0.7633	0.013	1.3469	0.1906	0.9799	-0.023	1.1474
856	37.3	35.8	0.5705	0.7615	0.0129	1.3449	0.169	0.9701	-0.0214	1.1176
857	35.6	35.8	0.5688	0.7604	0.0129	1.3421	0.1613	0.9609	-0.0182	1.1039
858	35.8	35.8	0.5685	0.7589	0.0126	1.34	0.1533	0.9594	-0.0191	1.0936
859	35.2	35.8	0.5678	0.7578	0.0124	1.338	0.149	0.9569	-0.0239	1.0821
860	36.2	35.8	0.5671	0.757	0.0126	1.3368	0.1465	0.9512	-0.0223	1.0754
861	36.6	35.7	0.5663	0.7561	0.0127	1.3351	0.1475	0.946	-0.0239	1.0696
862	34.8	35.7	0.566	0.7549	0.0124	1.3333	0.1408	0.9389	-0.0238	1.0559
863	34.3	35.6	0.5661	0.7532	0.0124	1.3316	0.1388	0.9261	-0.0225	1.0424
864	34.9	35.4	0.5659	0.7518	0.0128	1.3304	0.1327	0.9146	-0.0201	1.0273
865	34.6	35.3	0.5659	0.7508	0.0127	1.3295	0.1233	0.9106	-0.0169	1.017
866	35	35.2	0.5661	0.7501	0.0127	1.3288	0.1145	0.9056	-0.016	1.0041
867	34.6	35.2	0.5661	0.7494	0.0126	1.3282	0.1146	0.896	-0.0145	0.9961
868	35.8	35.2	0.5656	0.7488	0.0124	1.3269	0.121	0.8863	-0.0122	0.9952
869	35.4	35.2	0.565	0.7475	0.0125	1.325	0.1324	0.8696	-0.012	0.99
870	35.2	35.1	0.5644	0.7466	0.0127	1.3237	0.1388	0.8591	-0.018	0.9799
871	35.8	35	0.5641	0.7459	0.0127	1.3227	0.1308	0.8425	-0.0197	0.9536
872	35.1	35	0.5644	0.7453	0.0126	1.3222	0.1268	0.8336	-0.0172	0.9432
873	34.1	35.1	0.5645	0.7444	0.0124	1.3214	0.1186	0.828	-0.0182	0.9284
874	34.9	35	0.5656	0.7437	0.0123	1.3216	0.1133	0.8208	-0.0181	0.916
875	35.6	35	0.5673	0.7426	0.0124	1.3223	0.1241	0.8164	-0.0168	0.9237
876	34.9	34.9	0.5683	0.7416	0.0125	1.3223	0.1325	0.8134	-0.0151	0.9309
877	34.9	34.9	0.5684	0.7411	0.0124	1.3219	0.1251	0.8165	-0.0143	0.9273
878	35.2	34.8	0.5681	0.7403	0.0126	1.3209	0.1154	0.8124	-0.0193	0.9086
879	35.1	34.8	0.5677	0.7396	0.0128	1.32	0.1152	0.7966	-0.021	0.8908

880	34.5	34.7	0.5667	0.7383	0.013	1.3179	0.1268	0.7961	-0.0193	0.9036
881	35.5	34.6	0.5659	0.7377	0.013	1.3166	0.1343	0.7788	-0.0172	0.8959
882	35.3	34.5	0.5656	0.7372	0.013	1.3158	0.1428	0.7738	-0.0191	0.8976
883	34.2	34.6	0.5662	0.7359	0.0128	1.3149	0.1521	0.7644	-0.0229	0.8936
884	33.9	34.5	0.5661	0.7341	0.0131	1.3132	0.1533	0.758	-0.0207	0.8906
885	33.4	34.3	0.5658	0.734	0.0128	1.3126	0.1517	0.7497	-0.019	0.8824
886	34	34.2	0.5652	0.7331	0.013	1.3112	0.1622	0.7377	-0.0181	0.8818
887	34.2	34.2	0.565	0.7325	0.0128	1.3103	0.1684	0.7304	-0.015	0.8838
888	34.4	34.1	0.5648	0.7322	0.0126	1.3097	0.183	0.7244	-0.0115	0.896
889	33.8	34	0.5642	0.7313	0.0127	1.3083	0.1901	0.7197	-0.0106	0.8993
890	34.2	33.9	0.5636	0.7306	0.0128	1.3071	0.1843	0.7122	-0.0119	0.8846
891	33.5	33.8	0.5634	0.7304	0.0127	1.3065	0.1793	0.6988	-0.0149	0.8632
892	35.2	33.5	0.563	0.7296	0.0124	1.305	0.1751	0.6967	-0.0137	0.8581
893	33.3	33.4	0.5626	0.729	0.0123	1.304	0.1777	0.6962	-0.0145	0.8594
894	33	33.3	0.5626	0.7284	0.0123	1.3033	0.1794	0.6851	-0.0168	0.8477
895	32.4	33.2	0.5631	0.7268	0.0121	1.302	0.1696	0.6767	-0.0199	0.8264
896	34.1	33.1	0.5636	0.7251	0.0125	1.3012	0.161	0.6728	-0.0175	0.8162
897	33.6	32.9	0.5643	0.722	0.0153	1.3015	0.1646	0.6691	-0.0166	0.8172
898	33.5	32.7	0.5634	0.7222	0.016	1.3016	0.1631	0.6626	-0.0145	0.8111
899	33.1	32.4	0.5625	0.7218	0.016	1.3003	0.1616	0.6538	-0.0151	0.8004
900	32.1	32.1	0.5627	0.7212	0.016	1.2999	0.1524	0.6548	-0.013	0.7942
901	31.2	31.9	0.5633	0.7208	0.0158	1.2999	0.1414	0.6553	-0.0131	0.7836
902	31.2	31.5	0.564	0.7204	0.0156	1.3	0.1437	0.6524	-0.0142	0.7819
903	32.4	31.2	0.5645	0.72	0.0156	1.3002	0.1504	0.6405	-0.0136	0.7773
904	32.2	30.9	0.5644	0.7196	0.0157	1.2998	0.1558	0.6298	-0.0088	0.7767
905	31.8	30.7	0.5647	0.7189	0.0154	1.299	0.157	0.6236	-0.0102	0.7705
906	30.4	30.3	0.565	0.7185	0.0153	1.2988	0.1527	0.6126	-0.016	0.7493
907	30.1	30	0.565	0.7176	0.0155	1.2981	0.151	0.6027	-0.017	0.7367
908	28.4	29.6	0.5645	0.717	0.0157	1.2972	0.1334	0.5883	-0.0161	0.7057
909	29.1	29.2	0.5642	0.7167	0.0157	1.2966	0.1291	0.5751	-0.0194	0.6848
910	28.7	28.9	0.564	0.7167	0.0158	1.2965	0.1168	0.5681	-0.0177	0.6672
911	27.9	28.6	0.5637	0.7163	0.0157	1.2957	0.1006	0.5665	-0.0159	0.6512
912	27.9	28.2	0.5633	0.716	0.0158	1.295	0.0799	0.5637	-0.0163	0.6273
913	27.7	27.7	0.5636	0.7154	0.0156	1.2947	0.0687	0.5549	-0.02	0.6036
914	26.9	27.4	0.5642	0.7147	0.0156	1.2945	0.0913	0.538	-0.0204	0.609
915	27.7	27	0.5648	0.7142	0.0156	1.2947	0.1053	0.5288	-0.0162	0.618
916	26.8	26.6	0.5644	0.7142	0.0156	1.2942	0.1066	0.5215	-0.0151	0.613

917	26.7	26.3	0.5639	0.7143	0.0152	1.2934	0.113	0.5165	-0.0154	0.6141
918	25.4	26.2	0.5628	0.7143	0.0152	1.2923	0.1176	0.5118	-0.0157	0.6138
919	26	26	0.5627	0.7139	0.0155	1.2922	0.1153	0.5121	-0.0166	0.6108
920	25.5	25.6	0.5637	0.7137	0.0154	1.2927	0.11	0.506	-0.0162	0.5997
921	23.9	25.4	0.5639	0.7135	0.0151	1.2924	0.1077	0.4995	-0.0168	0.5904
922	23.9	25.1	0.5643	0.7126	0.0151	1.2921	0.1095	0.4942	-0.0138	0.5898
923	24.9	24.9	0.5646	0.7124	0.0151	1.292	0.114	0.4913	-0.0134	0.592
924	24.4	24.7	0.5635	0.712	0.0151	1.2906	0.1164	0.4881	-0.0143	0.5903
925	24.3	24.4	0.5625	0.7115	0.015	1.289	0.1299	0.48	-0.0183	0.5916
926	24.4	24.1	0.5623	0.7107	0.0149	1.2879	0.147	0.4729	-0.0178	0.6021
927	25.6	23.8	0.5624	0.7106	0.0149	1.288	0.1587	0.4683	-0.0142	0.6128
928	24.6	23.5	0.5621	0.711	0.015	1.2881	0.1673	0.4688	-0.012	0.6241
929	22.2	23.3	0.5612	0.7101	0.0152	1.2865	0.1673	0.4617	-0.0114	0.6176
930	23.3	23.1	0.5602	0.71	0.0151	1.2853	0.164	0.4607	-0.0127	0.612
931	23.6	22.9	0.5596	0.7097	0.0149	1.2842	0.1521	0.4531	-0.0088	0.5963
932	22.9	22.8	0.5581	0.7098	0.0151	1.283	0.145	0.4485	-0.007	0.5864
933	22.6	22.6	0.5576	0.7091	0.015	1.2817	0.134	0.4434	-0.007	0.5705
934	22.1	22.3	0.5569	0.7087	0.015	1.2806	0.1368	0.4301	-0.0085	0.5584
935	21.7	22.1	0.5561	0.7087	0.0148	1.2797	0.1348	0.4128	-0.009	0.5386
936	21	21.9	0.5555	0.7087	0.0147	1.2789	0.1372	0.4208	-0.0104	0.5476
937	20.3	21.6	0.5549	0.7082	0.0147	1.2779	0.1325	0.4294	-0.0103	0.5516
938	21.3	21.4	0.5547	0.7076	0.0149	1.2771	0.1266	0.4313	-0.0172	0.5407
939	21.2	21.2	0.555	0.7071	0.0148	1.2769	0.1278	0.4271	-0.024	0.5309
940	20.5	21.1	0.5552	0.7073	0.0149	1.2774	0.1227	0.4174	-0.0259	0.5142
941	21.5	20.8	0.5549	0.707	0.0147	1.2766	0.1087	0.4122	-0.0257	0.4953
942	21.5	20.6	0.5547	0.7064	0.0147	1.2758	0.1077	0.4163	-0.0295	0.4945
943	20	20.5	0.5543	0.7061	0.0148	1.2752	0.1142	0.4161	-0.0292	0.5011
944	20.3	20.3	0.5544	0.7059	0.0149	1.2752	0.1152	0.4161	-0.0254	0.5059
945	20.7	20.2	0.5543	0.7051	0.015	1.2743	0.1237	0.4134	-0.0211	0.5159
946	19.7	20.1	0.5544	0.7052	0.0146	1.2741	0.1331	0.4078	-0.026	0.5148
947	20.1	20	0.5548	0.7046	0.0145	1.2739	0.1383	0.3886	-0.0234	0.5035
948	19.5	19.9	0.5559	0.7041	0.0145	1.2746	0.1415	0.3471	0.0047	0.4932
949	19.6	19.9	0.5573	0.7034	0.0144	1.2751	0.1341	0.3414	0.0111	0.4866
950	19.2	19.8	0.5582	0.7028	0.0145	1.2755	0.1279	0.336	0.0086	0.4725
951	19.5	19.7	0.5578	0.7024	0.0146	1.2749	0.1224	0.3283	0.0062	0.4569
952	19.3	19.6	0.5568	0.7022	0.0146	1.2736	0.1279	0.3262	0.0019	0.4559
953	18.8	19.5	0.5561	0.7021	0.0143	1.2725	0.1367	0.3226	-0.0012	0.458

954	19.3	19.4	0.5554	0.7018	0.0145	1.2717	0.1438	0.3196	-0.002	0.4614
955	19.5	19.3	0.5553	0.702	0.0146	1.2719	0.152	0.3119	-0.0012	0.4626
956	18.8	19.3	0.5554	0.7013	0.0146	1.2713	0.1574	0.2973	-0.0036	0.4512
957	19.2	19.2	0.5555	0.7015	0.0145	1.2716	0.1581	0.2967	-0.0031	0.4517
958	20.4	19.1	0.5556	0.7014	0.0145	1.2715	0.1558	0.2967	-0.0009	0.4516
959	19.3	19	0.5561	0.701	0.0142	1.2713	0.1476	0.2924	0.003	0.443
960	19.4	19	0.5571	0.7004	0.0142	1.2717	0.1452	0.2871	0.0031	0.4354
961	19.2	18.9	0.5583	0.6997	0.0143	1.2724	0.1466	0.2881	0.0027	0.4375
962	18.7	18.9	0.5591	0.6994	0.0144	1.2729	0.1465	0.29	0.0024	0.4389
963	18.8	18.9	0.557	0.6994	0.0144	1.2707	0.1473	0.2842	0.0022	0.4336
964	18.9	18.8	0.5553	0.6989	0.0144	1.2686	0.149	0.2833	0.0022	0.4345
965	18.7	18.7	0.5552	0.6987	0.0143	1.2682	0.1555	0.2803	0.0045	0.4403
966	18.4	18.6	0.5548	0.6984	0.0142	1.2674	0.1605	0.278	0.0044	0.443
967	18.5	18.5	0.5543	0.6983	0.0142	1.2668	0.1523	0.2774	0.004	0.4337
968	17.9	18.4	0.5541	0.6976	0.0141	1.2658	0.1432	0.2766	0.0027	0.4224
969	18.3	18.3	0.554	0.6969	0.0141	1.265	0.1243	0.275	0.003	0.4023
970	18.1	18.2	0.5537	0.6966	0.0144	1.2647	0.1203	0.2755	0.006	0.4018
971	18.5	18.1	0.5532	0.6965	0.0141	1.2638	0.1281	0.274	0.0027	0.4048
972	18.3	18	0.553	0.6961	0.0139	1.263	0.1251	0.2743	0.0019	0.4014
973	17.4	18	0.5529	0.6956	0.0138	1.2623	0.1364	0.2672	0.001	0.4046
974	17.8	17.9	0.5526	0.6957	0.0141	1.2624	0.1392	0.2607	0.0016	0.4015
975	18.2	17.8	0.5526	0.6953	0.0141	1.262	0.1358	0.2585	0.0042	0.3985
976	17.5	17.7	0.5524	0.6948	0.0139	1.261	0.1298	0.2622	0.0013	0.3934
977	17.6	17.6	0.5517	0.6942	0.0136	1.2595	0.1276	0.2536	0.0005	0.3818
978	17.5	17.6	0.5513	0.6941	0.0137	1.2592	0.1268	0.2545	0.0007	0.3821
979	17.6	17.5	0.5513	0.6935	0.014	1.2588	0.1233	0.2592	-0.0021	0.3804
980	16.7	17.5	0.5515	0.693	0.0138	1.2583	0.12	0.2488	-0.0027	0.366
981	18	17.5	0.5514	0.6929	0.0137	1.258	0.1138	0.2461	-0.0023	0.3575
982	17.3	17.5	0.5522	0.6929	0.0137	1.2588	0.1107	0.243	-0.0006	0.3531
983	17.3	17.6	0.5525	0.6929	0.0136	1.2591	0.0949	0.2474	-0.0008	0.3414
984	17.4	17.6	0.5526	0.6928	0.014	1.2594	0.091	0.2512	0	0.3423
985	16.6	17.6	0.5521	0.6919	0.0139	1.2579	0.0826	0.2469	0.0019	0.3314
986	16.8	17.6	0.5519	0.6901	0.014	1.2561	0.0838	0.2484	0.0025	0.3348
987	17.1	17.6	0.5523	0.6894	0.0145	1.2563	0.0757	0.2432	0.002	0.321
988	17.3	17.6	0.5521	0.6895	0.015	1.2566	0.0737	0.2341	0.0022	0.31
989	17.9	17.6	0.5519	0.6896	0.0153	1.2568	0.0672	0.2309	0.003	0.301
990	17.8	17.6	0.5528	0.6894	0.0154	1.2575	0.0614	0.2291	0.0024	0.2929

991	18.2	17.6	0.5527	0.6887	0.0156	1.257	0.0561	0.2328	0.0006	0.2895
992	19	17.5	0.5516	0.688	0.0154	1.2549	0.0459	0.2279	-0.001	0.2727
993	18.8	17.5	0.5511	0.6874	0.0149	1.2534	0.04	0.2263	-0.0003	0.266
994	17.2	17.5	0.5502	0.6871	0.0144	1.2517	0.0352	0.2228	0.0025	0.2606
995	17.9	17.5	0.5498	0.6861	0.0147	1.2506	0.0326	0.2285	0.0049	0.266
996	17.9	17.6	0.5498	0.6863	0.0148	1.2508	0.0319	0.2203	0.0055	0.2578
997	17.6	17.6	0.5501	0.6873	0.0148	1.2522	0.0335	0.2241	-0.0013	0.2563
998	17.1	17.7	0.55	0.6881	0.0149	1.2529	0.0364	0.223	-0.0055	0.2539
999	17.2	17.6	0.5497	0.6882	0.0151	1.253	0.0473	0.2185	-0.0045	0.2612
1000	17.2	17.6	0.5505	0.6884	0.0153	1.2542	0.0623	0.2102	-0.0052	0.2673
1001	16.5	17.5	0.5505	0.6882	0.0156	1.2543	0.0747	0.2086	-0.0063	0.277
1002	16.6	17.4	0.5504	0.6881	0.0157	1.2542	0.0725	0.2029	-0.0061	0.2693
1003	17.5	17.3	0.5501	0.6881	0.0158	1.254	0.0597	0.2006	-0.0049	0.2553
1004	17.9	17.3	0.5492	0.6884	0.0158	1.2535	0.0567	0.2027	-0.006	0.2534
1005	17.7	17.3	0.549	0.6891	0.0158	1.2539	0.0576	0.2009	-0.006	0.2525
1006	17.7	17.2	0.5492	0.6888	0.0156	1.2536	0.0619	0.2041	-0.008	0.258
1007	17.9	17.2	0.5494	0.688	0.0156	1.253	0.0661	0.192	-0.009	0.2491
1008	16.8	17.2	0.5497	0.6878	0.0154	1.2529	0.0735	0.1906	-0.0076	0.2565
1009	17.1	17.2	0.5497	0.688	0.0154	1.253	0.0774	0.1892	-0.0067	0.2599
1010	17.2	17.1	0.5494	0.6879	0.0155	1.2527	0.0806	0.1841	-0.01	0.2547
1011	17.1	17.2	0.5491	0.6873	0.0155	1.2519	0.0876	0.1834	-0.0087	0.2623
1012	17.4	17.2	0.5485	0.6875	0.0155	1.2516	0.1032	0.1799	-0.0044	0.2786
1013	17.1	17.1	0.5487	0.6871	0.0154	1.2512	0.111	0.1786	-0.0009	0.2888
1014	16.9	17	0.5487	0.6866	0.0151	1.2505	0.0937	0.1854	-0.0004	0.2787
1015	17	16.9	0.5488	0.6864	0.0152	1.2504	0.0788	0.1851	-0.0029	0.261
1016	16.5	16.9	0.5492	0.6864	0.0152	1.2508	0.0845	0.1812	-0.0064	0.2593
1017	16.9	16.8	0.5495	0.6867	0.015	1.2512	0.0882	0.1746	-0.0065	0.2563
1018	17.3	16.8	0.5504	0.6868	0.0149	1.2521	0.0889	0.1675	-0.0049	0.2515
1019	16.7	16.7	0.5507	0.6864	0.0149	1.252	0.0871	0.1548	-0.0055	0.2363
1020	16.7	16.7	0.5509	0.6863	0.0151	1.2522	0.0872	0.1551	-0.0053	0.2371
1021	17	16.7	0.5514	0.686	0.0149	1.2523	0.0838	0.1591	-0.003	0.2398
1022	15.9	16.6	0.5507	0.6859	0.015	1.2516	0.077	0.161	-0.0062	0.2319
1023	16.1	16.5	0.5506	0.6863	0.0149	1.2519	0.0698	0.156	-0.0052	0.2206
1024	16.4	16.4	0.55	0.6862	0.0147	1.2508	0.0613	0.1554	-0.0059	0.2108
1025	16.7	16.3	0.5495	0.6853	0.0149	1.2497	0.0659	0.1635	-0.0037	0.2257
1026	16.2	16.3	0.5495	0.6854	0.0149	1.2498	0.0736	0.1577	-0.0034	0.2278
1027	16.3	16.2	0.5498	0.6852	0.0149	1.2498	0.0807	0.1523	-0.0048	0.2283

1028	16.8	16.1	0.5498	0.6851	0.0152	1.25	0.082	0.1545	-0.0057	0.2307
1029	16.5	16	0.5492	0.6853	0.0154	1.2499	0.085	0.1541	-0.0019	0.2372
1030	16.6	15.9	0.5488	0.6854	0.0153	1.2496	0.0842	0.1536	0.0049	0.2426
1031	15.4	15.8	0.5485	0.6854	0.015	1.2489	0.0859	0.1549	0.0028	0.2436
1032	15.3	15.7	0.5486	0.6851	0.0152	1.2488	0.0889	0.1688	0.0004	0.2581
1033	15.4	15.7	0.5485	0.684	0.015	1.2475	0.1002	0.1744	-0.0007	0.2738
1034	15.2	15.6	0.5486	0.684	0.0148	1.2475	0.105	0.1795	-0.0038	0.2807
1035	15.7	15.5	0.5478	0.6839	0.0146	1.2462	0.1061	0.1759	0.003	0.2849
1036	15.3	15.5	0.548	0.6844	0.0145	1.2468	0.1052	0.1712	0.0055	0.2819
1037	15.5	15.4	0.5475	0.6848	0.0145	1.2469	0.1011	0.1589	0.0051	0.265
1038	14.6	15.3	0.5479	0.6845	0.0146	1.247	0.1065	0.1472	0.0092	0.2629
1039	15.2	15.2	0.5488	0.6842	0.0146	1.2476	0.107	0.1466	0.0136	0.2671
1040	15.1	15	0.5496	0.684	0.0148	1.2484	0.1219	0.1475	0.0174	0.2869
1041	14.8	15	0.5503	0.6842	0.0148	1.2493	0.1331	0.1431	0.0177	0.2938
1042	15.2	15	0.5507	0.6838	0.0147	1.2492	0.1348	0.1351	0.0213	0.2912
1043	15.1	14.9	0.5508	0.6838	0.0145	1.2491	0.1265	0.1315	0.0217	0.2796
1044	15	14.9	0.5511	0.6831	0.0144	1.2486	0.119	0.1351	0.017	0.271
1045	15	14.9	0.5511	0.683	0.0144	1.2486	0.1035	0.143	0.0121	0.2587
1046	14.6	14.8	0.551	0.6828	0.0147	1.2485	0.0891	0.1356	0.0158	0.2405
1047	14.4	14.8	0.5512	0.6823	0.015	1.2485	0.0724	0.1388	0.0147	0.2258
1048	14.8	14.7	0.5512	0.6823	0.015	1.2485	0.068	0.1478	0.0123	0.2281
1049	13.8	14.7	0.551	0.6824	0.0149	1.2484	0.0628	0.1578	0.0138	0.2345
1050	14.7	14.6	0.5507	0.682	0.0151	1.2478	0.0571	0.1601	0.0134	0.2306
1051	15	14.6	0.5506	0.6821	0.0152	1.2479	0.0617	0.1572	0.0105	0.2294
1052	14.6	14.6	0.5509	0.6821	0.0151	1.248	0.0759	0.1558	0.0154	0.247
1053	14.6	14.5	0.5505	0.6818	0.015	1.2472	0.0834	0.1656	0.0178	0.2667
1054	14.9	14.4	0.5496	0.6817	0.0151	1.2464	0.08	0.1646	0.0181	0.2626
1055	14.5	14.4	0.5491	0.6816	0.0154	1.2461	0.0719	0.1683	0.0188	0.259
1056	14.5	14.3	0.5488	0.6821	0.0155	1.2463	0.0742	0.1746	0.0219	0.2708
1057	14.1	14.3	0.5482	0.6825	0.0153	1.2459	0.0783	0.1781	0.0206	0.2771
1058	13.9	14.2	0.5478	0.6825	0.0152	1.2455	0.0806	0.1806	0.0206	0.2818
1059	14.5	14.2	0.5481	0.6825	0.0152	1.2458	0.0881	0.1838	0.019	0.2909
1060	13.8	14.2	0.5483	0.6821	0.0151	1.2455	0.085	0.1877	0.0199	0.2926
1061	14.8	14.1	0.548	0.6817	0.0148	1.2445	0.0833	0.1887	0.0235	0.2954
1062	14.3	14.1	0.548	0.6815	0.0145	1.2441	0.0889	0.1918	0.0249	0.3056
1063	13.7	14	0.5476	0.6808	0.0144	1.2429	0.0923	0.1999	0.0293	0.3215
1064	13.3	14	0.5474	0.6804	0.0147	1.2425	0.0953	0.1971	0.0321	0.3245

1065	13.7	14	0.5468	0.6806	0.0149	1.2423	0.0881	0.1894	0.0279	0.3055
1066	13.9	13.9	0.5459	0.681	0.0149	1.2418	0.0888	0.1901	0.0308	0.3097
1067	13.5	13.9	0.5454	0.6815	0.0147	1.2417	0.0877	0.191	0.0317	0.3103
1068	13.8	14	0.5454	0.6821	0.0147	1.2422	0.0831	0.1918	0.0319	0.3069
1069	13.8	13.9	0.5453	0.6814	0.0146	1.2413	0.0882	0.1932	0.0346	0.316
1070	14	13.9	0.5453	0.6807	0.0147	1.2407	0.0942	0.1966	0.0308	0.3216
1071	13.7	13.9	0.5455	0.6804	0.0147	1.2406	0.1034	0.1983	0.0316	0.3333
1072	13.9	13.9	0.546	0.6805	0.0144	1.241	0.1092	0.2052	0.0287	0.3431
1073	14.2	13.9	0.5468	0.6801	0.0144	1.2412	0.1029	0.2083	0.0282	0.3394
1074	13.8	13.8	0.546	0.6794	0.0145	1.2398	0.1025	0.2118	0.0288	0.3431
1075	13.9	13.8	0.5452	0.6796	0.0145	1.2393	0.0836	0.2101	0.0257	0.3194
1076	14.2	13.8	0.5443	0.6795	0.0144	1.2382	0.0723	0.2073	0.0238	0.3034
1077	14.5	13.8	0.5435	0.6788	0.0142	1.2364	0.0719	0.1993	0.0238	0.2951
1078	13.8	13.8	0.5428	0.6787	0.0139	1.2355	0.0668	0.2025	0.0121	0.2815
1079	13.7	13.8	0.5429	0.6782	0.0136	1.2346	0.0637	0.1978	0.0122	0.2737
1080	14.2	13.7	0.5429	0.6775	0.0136	1.2339	0.0622	0.1864	0.0127	0.2614
1081	13.9	13.6	0.5425	0.676	0.0137	1.2321	0.0608	0.188	0.0117	0.2606
1082	13.5	13.6	0.5422	0.6754	0.0138	1.2314	0.0498	0.1857	0.0062	0.2416
1083	13	13.5	0.542	0.675	0.014	1.231	0.0459	0.1849	0.0093	0.2401
1084	13.3	13.4	0.542	0.6752	0.0137	1.2309	0.0404	0.1737	0.0108	0.225
1085	13.4	13.4	0.5415	0.6748	0.0133	1.2297	0.0361	0.1702	0.0112	0.2175
1086	14	13.3	0.5418	0.6743	0.0135	1.2296	0.0278	0.1653	0.0099	0.2029
1087	13.3	13.2	0.5417	0.6747	0.0136	1.23	0.034	0.1775	0.0049	0.2164
1088	13.3	13.2	0.5414	0.6748	0.0137	1.2299	0.0276	0.187	0.0052	0.2198
1089	12.4	13.1	0.5397	0.6748	0.0136	1.2282	0.0372	0.1893	0.0076	0.2341
1090	12.7	13.1	0.5394	0.6751	0.0136	1.2282	0.0566	0.1807	0.017	0.2543
1091	12.6	13	0.5392	0.6752	0.0135	1.2279	0.0717	0.1815	0.0202	0.2734
1092	12.7	13	0.539	0.6748	0.0132	1.227	0.0802	0.1861	0.0209	0.2872
1093	12.6	13	0.5392	0.6739	0.0132	1.2263	0.0824	0.1931	0.018	0.2935
1094	13	13	0.5399	0.6728	0.0132	1.2258	0.0768	0.2012	0.014	0.2921
1095	12.9	13	0.5409	0.6725	0.0131	1.2265	0.0747	0.1945	0.0106	0.2798
1096	13.2	12.9	0.5425	0.6724	0.0133	1.2282	0.0706	0.1964	0.011	0.278
1097	12.6	12.9	0.5433	0.6725	0.0136	1.2294	0.0692	0.1894	0.0134	0.272
1098	12.9	12.9	0.5437	0.6723	0.0135	1.2295	0.072	0.1843	0.0133	0.2696
1099	12.9	12.9	0.544	0.6722	0.0138	1.2299	0.0711	0.1859	0.0104	0.2674
1100	13.2	12.9	0.5443	0.6727	0.0143	1.2312	0.071	0.1877	0.0092	0.2679
1101	12.7	12.9	0.5429	0.6726	0.0141	1.2296	0.0751	0.1887	0.0109	0.2747

1102	13.2	12.9	0.542	0.6716	0.0139	1.2275	0.0718	0.1917	0.0162	0.2797
1103	13.4	12.8	0.5421	0.6716	0.014	1.2278	0.0734	0.1917	0.0184	0.2836
1104	13	12.8	0.542	0.6716	0.0139	1.2276	0.0667	0.1877	0.0145	0.2689
1105	13	12.8	0.5416	0.6717	0.0136	1.2269	0.0621	0.1872	0.0157	0.265
1106	13.1	12.7	0.5414	0.671	0.0136	1.2259	0.0687	0.1847	0.0189	0.2723
1107	12.9	12.7	0.5413	0.6699	0.0135	1.2248	0.0727	0.1872	0.0218	0.2817
1108	12.4	12.7	0.5409	0.6694	0.0135	1.2238	0.0711	0.1866	0.0231	0.2807
1109	12.8	12.6	0.5412	0.6692	0.0134	1.2238	0.0662	0.1841	0.0246	0.2749
1110	12.5	12.6	0.5411	0.669	0.0132	1.2232	0.0666	0.1867	0.0284	0.2817
1111	12	12.5	0.5402	0.6681	0.013	1.2213	0.07	0.189	0.029	0.288
1112	11.8	12.5	0.5393	0.6676	0.0126	1.2195	0.0688	0.1971	0.0243	0.2902
1113	12.8	12.5	0.5392	0.6674	0.0122	1.2188	0.0619	0.2021	0.02	0.284
1114	13	12.4	0.5399	0.6677	0.0124	1.2199	0.0587	0.1966	0.0221	0.2774
1115	12.1	12.4	0.5399	0.6674	0.0121	1.2194	0.0555	0.1875	0.0259	0.2689
1116	12.2	12.4	0.5405	0.6673	0.012	1.2198	0.0468	0.1894	0.028	0.2641
1117	11.9	12.4	0.5412	0.6675	0.0118	1.2205	0.034	0.1997	0.0265	0.2603
1118	12.2	12.4	0.5416	0.6674	0.0114	1.2205	0.0261	0.2087	0.0242	0.2589
1119	12.3	12.4	0.5413	0.6667	0.0118	1.2198	0.0237	0.2164	0.0195	0.2597
1120	12	12.4	0.5406	0.6664	0.0119	1.2189	0.0213	0.2141	0.017	0.2525
1121	12.1	12.4	0.5404	0.6655	0.012	1.218	0.0178	0.2041	0.0196	0.2415
1122	12.6	12.4	0.5404	0.6651	0.0122	1.2177	0.0131	0.1946	0.0215	0.2292
1123	12.6	12.4	0.5404	0.6651	0.012	1.2176	0.0162	0.194	0.0177	0.2279
1124	12.5	12.4	0.5416	0.6652	0.0121	1.2188	0.0197	0.1965	0.0121	0.2283
1125	12.5	12.4	0.5423	0.6646	0.0125	1.2193	0.0069	0.1913	0.0052	0.2034
1126	13	12.4	0.5423	0.6654	0.0125	1.2202	-0.0052	0.1846	-0.0003	0.1791
1127	12.8	12.4	0.5431	0.6649	0.0136	1.2217	-0.0225	0.1782	-0.0033	0.1524
1128	12.2	12.5	0.5434	0.6653	0.014	1.2227	-0.0371	0.1625	-0.0072	0.1181
1129	12.3	12.5	0.5429	0.6666	0.0142	1.2237	-0.0436	0.1494	-0.0108	0.0949
1130	12.4	12.5	0.5427	0.6666	0.0142	1.2235	-0.0399	0.1367	-0.0135	0.0834
1131	12.5	12.6	0.5436	0.6668	0.0143	1.2247	-0.0376	0.1286	-0.0135	0.0775
1132	12.4	12.6	0.544	0.6666	0.0142	1.2248	-0.0394	0.114	-0.0127	0.062
1133	12.4	12.6	0.5445	0.6666	0.0139	1.225	-0.0441	0.1097	-0.0116	0.054
1134	13	12.6	0.545	0.667	0.0137	1.2257	-0.0453	0.1078	-0.0081	0.0543
1135	12.7	12.6	0.545	0.6674	0.0136	1.2259	-0.046	0.1143	-0.0132	0.0551
1136	12.2	12.6	0.5446	0.6666	0.014	1.2252	-0.0534	0.1106	-0.0195	0.0377
1137	12.8	12.7	0.5448	0.6661	0.014	1.2249	-0.0554	0.0992	-0.0197	0.0241
1138	12.3	12.7	0.5442	0.6656	0.0138	1.2236	-0.0588	0.0979	-0.0174	0.0216

1139	12.8	12.7	0.5432	0.6661	0.0129	1.2222	-0.0599	0.0922	-0.0153	0.017
1140	12.9	12.8	0.5425	0.6658	0.0128	1.2211	-0.072	0.114	-0.016	0.026
1141	12.7	12.8	0.5423	0.6656	0.0127	1.2206	-0.0656	0.1275	-0.0517	0.0101
1142	12.6	12.8	0.5425	0.6645	0.0129	1.2199	-0.0635	0.1217	-0.0471	0.0111
1143	13.1	12.8	0.5431	0.6637	0.0131	1.2199	-0.0719	0.1192	-0.049	-0.0017
1144	13.2	12.8	0.5437	0.6636	0.0134	1.2207	-0.0713	0.107	-0.0499	-0.0141
1145	13.1	12.7	0.5441	0.6634	0.0133	1.2208	-0.0638	0.095	-0.0507	-0.0196
1146	13	12.7	0.5441	0.6638	0.0134	1.2212	-0.0552	0.0926	-0.0503	-0.0129
1147	13.1	12.7	0.544	0.6639	0.0137	1.2216	-0.0393	0.088	-0.0481	0.0006
1148	12.8	12.6	0.5441	0.6637	0.0139	1.2217	-0.0353	0.0877	-0.0473	0.0051
1149	13	12.6	0.5439	0.6637	0.014	1.2216	-0.0358	0.0837	-0.0495	-0.0016
1150	13.2	12.6	0.5432	0.6631	0.014	1.2203	-0.0343	0.0827	-0.045	0.0033
1151	13	12.6	0.5434	0.663	0.0136	1.22	-0.0312	0.0809	-0.0399	0.0098
1152	12.2	12.6	0.5435	0.663	0.0132	1.2197	-0.0422	0.0828	-0.0439	-0.0033
1153	11.9	12.5	0.5438	0.663	0.0135	1.2203	-0.0499	0.0716	-0.0458	-0.0241
1154	12.1	12.5	0.5434	0.663	0.0135	1.2199	-0.0552	0.0667	-0.0456	-0.0341
1155	12	12.4	0.5422	0.6632	0.0135	1.2189	-0.0605	0.0695	-0.0445	-0.0355
1156	11.7	12.4	0.5415	0.6633	0.0133	1.2182	-0.0544	0.0692	-0.0478	-0.033
1157	11.9	12.4	0.541	0.6638	0.013	1.2178	-0.0412	0.062	-0.0476	-0.0268
1158	12	12.4	0.5412	0.6641	0.0127	1.218	-0.031	0.0514	-0.0482	-0.0278
1159	12.5	12.3	0.5414	0.6639	0.0124	1.2177	-0.0246	0.053	-0.0458	-0.0174
1160	12.8	12.2	0.5413	0.6631	0.0122	1.2166	-0.0134	0.0534	-0.043	-0.0031
1161	12.6	12.2	0.5411	0.662	0.0123	1.2155	-0.0011	0.059	-0.044	0.0138
1162	12.3	12.2	0.5418	0.6613	0.0125	1.2157	-0.0043	0.0542	-0.0424	0.0075
1163	12.4	12.1	0.5417	0.6612	0.0122	1.2151	-0.009	0.0585	-0.0451	0.0044
1164	12	12.1	0.5419	0.6616	0.0121	1.2156	-0.0087	0.0674	-0.0499	0.0089
1165	12.7	12.1	0.5421	0.6616	0.0121	1.2158	-0.0064	0.0711	-0.0463	0.0184
1166	12.7	12.1	0.5425	0.661	0.0122	1.2157	-0.0198	0.0772	-0.0482	0.0091
1167	12.1	12	0.5428	0.6607	0.0123	1.2158	-0.0242	0.0821	-0.047	0.0108
1168	11.9	12	0.543	0.6605	0.0127	1.2162	-0.0048	0.0807	-0.0519	0.024
1169	12	12	0.5431	0.66	0.0129	1.2161	0.0257	0.0788	-0.0566	0.0479
1170	12	11.9	0.5435	0.6603	0.0127	1.2165	0.0287	0.064	-0.051	0.0418
1171	11.7	11.9	0.5441	0.6609	0.0126	1.2176	0.023	0.0647	-0.0525	0.0352
1172	11.4	11.9	0.5444	0.6611	0.0127	1.2182	0.0248	0.0571	-0.0508	0.0311
1173	11.2	11.9	0.5448	0.6604	0.0132	1.2184	0.0251	0.0597	-0.0494	0.0354
1174	11.6	11.8	0.5453	0.6602	0.014	1.2195	0.0213	0.0646	-0.0498	0.0361
1175	11.6	11.8	0.5457	0.6611	0.0145	1.2214	0.0306	0.0656	-0.0506	0.0455

1176	11.5	11.8	0.5466	0.6617	0.0147	1.223	0.0334	0.0632	-0.0465	0.05
1177	12	11.7	0.5472	0.6625	0.0149	1.2246	0.0314	0.0733	-0.0461	0.0587
1178	11.7	11.7	0.5472	0.6638	0.015	1.226	0.0368	0.0675	-0.0335	0.0707
1179	11.4	11.7	0.5469	0.6645	0.0149	1.2263	0.0386	0.0675	-0.0318	0.0743
1180	11.9	11.7	0.5466	0.6647	0.0149	1.2262	0.0351	0.0829	-0.0327	0.0853
1181	12.2	11.8	0.5465	0.6646	0.0149	1.2259	0.0361	0.074	-0.0332	0.0768
1182	11.8	11.8	0.5466	0.6645	0.0149	1.226	0.0504	0.0782	-0.0306	0.098
1183	11.8	11.9	0.5466	0.6642	0.0148	1.2256	0.057	0.0744	-0.0326	0.0988
1184	11.9	11.9	0.5466	0.6638	0.015	1.2254	0.0561	0.0784	-0.037	0.0975
1185	11.9	11.9	0.5469	0.6637	0.0153	1.2259	0.0552	0.0942	-0.0412	0.1082
1186	11.9	12	0.5473	0.6643	0.0155	1.2271	0.0485	0.0987	-0.0408	0.1065
1187	11.7	12	0.5476	0.6649	0.0153	1.2278	0.0416	0.0865	-0.0344	0.0937
1188	12.1	12	0.5474	0.6656	0.0152	1.2282	0.0402	0.0762	-0.0309	0.0855
1189	12	12	0.5469	0.6634	0.0152	1.2255	0.0395	0.0646	-0.0334	0.0707
1190	12	12	0.546	0.6624	0.0188	1.2271	0.0358	0.0724	-0.0431	0.0652
1191	12.4	12	0.5455	0.663	0.0182	1.2268	0.0339	0.0721	-0.0447	0.0613
1192	12.4	11.9	0.5461	0.6629	0.0181	1.2271	0.0417	0.0694	-0.0462	0.0649
1193	12.6	11.9	0.5464	0.6632	0.0181	1.2277	0.0492	0.059	-0.0447	0.0636
1194	11.9	11.9	0.5463	0.6633	0.0183	1.2278	0.0553	0.0478	-0.0393	0.0638
1195	12.4	11.9	0.5464	0.6632	0.0182	1.2278	0.0589	0.0531	-0.0338	0.0783
1196	11.8	11.9	0.5464	0.6636	0.0181	1.2282	0.0682	0.041	-0.035	0.0743
1197	11.8	11.9	0.5469	0.6638	0.0183	1.2289	0.0678	0.0466	-0.0364	0.0779
1198	11.8	11.9	0.5473	0.6639	0.0185	1.2296	0.0636	0.0472	-0.0338	0.077
1199	11.4	11.9	0.5474	0.6639	0.0183	1.2296	0.0601	0.0513	-0.026	0.0854
1200	11.5	11.9	0.5474	0.6646	0.0183	1.2303	0.0543	0.0546	-0.0239	0.085
1201	11.6	11.8	0.5472	0.6643	0.0185	1.2299	0.0416	0.0487	-0.0279	0.0624
1202	11.5	11.8	0.547	0.6644	0.0185	1.2299	0.0402	0.0519	-0.0332	0.0589
1203	12	11.7	0.5477	0.6649	0.0186	1.2312	0.0379	0.056	-0.0354	0.0584
1204	12.1	11.7	0.5481	0.6647	0.0184	1.2312	0.0363	0.0568	-0.0336	0.0595
1205	11.9	11.7	0.547	0.6648	0.0184	1.2302	0.0344	0.0572	-0.0362	0.0554
1206	11.9	11.6	0.5455	0.6648	0.0183	1.2286	0.0264	0.058	-0.037	0.0474
1207	12	11.6	0.5444	0.6648	0.0184	1.2276	0.0291	0.0565	-0.0395	0.0461
1208	11.8	11.6	0.5434	0.6641	0.0181	1.2255	0.035	0.0666	-0.0376	0.064
1209	11.5	11.6	0.5425	0.6639	0.0177	1.2241	0.0443	0.0709	-0.0359	0.0793
1210	11.4	11.6	0.5412	0.6631	0.0176	1.2218	0.0423	0.0692	-0.0384	0.0732
1211	11.3	11.5	0.5406	0.6627	0.0172	1.2205	0.0378	0.0669	-0.039	0.0657
1212	11.4	11.5	0.5402	0.6617	0.0171	1.219	0.0306	0.0529	-0.0369	0.0466

1213	11.7	11.4	0.54	0.6606	0.0172	1.2179	0.0324	0.0411	-0.0387	0.0348
1214	11.5	11.4	0.5405	0.6606	0.017	1.2181	0.0311	0.0478	-0.045	0.0339
1215	11.2	11.3	0.5419	0.6597	0.0169	1.2185	0.0303	0.0414	-0.0503	0.0214
1216	11.3	11.3	0.5429	0.6591	0.0167	1.2187	0.0271	0.0313	-0.0522	0.0062
1217	11.8	11.2	0.5417	0.6594	0.017	1.2181	0.0225	0.0238	-0.0545	-0.0081
1218	10.9	11.1	0.539	0.6595	0.0171	1.2157	0.0161	0.0142	-0.0541	-0.0238
1219	11.2	11.1	0.5384	0.6603	0.0169	1.2156	0.0085	0.0148	-0.0489	-0.0257
1220	11.1	11.1	0.5383	0.66	0.0172	1.2154	0.0019	0.0093	-0.046	-0.0348
1221	10.9	11	0.538	0.6598	0.0171	1.2149	0.0001	0.0109	-0.0517	-0.0407
1222	10.6	11	0.5379	0.6591	0.0171	1.2141	0.0046	0.0229	-0.0562	-0.0286
1223	10.8	10.9	0.5383	0.6587	0.017	1.214	0.0125	0.0257	-0.0571	-0.0189
1224	10.8	10.9	0.5385	0.6586	0.0172	1.2143	0.0159	0.0188	-0.0491	-0.0144
1225	10.7	10.9	0.539	0.6582	0.0172	1.2143	0.0197	0.0038	-0.0382	-0.0147
1226	10.6	10.8	0.5392	0.6581	0.0171	1.2144	0.0213	0.0146	-0.0337	0.0021
1227	10.8	10.8	0.5394	0.6582	0.017	1.2146	0.0316	0.0195	-0.0313	0.0198
1228	10.6	10.8	0.5396	0.6585	0.0171	1.2152	0.0397	0.0274	-0.0298	0.0373
1229	10.7	10.7	0.5394	0.6583	0.0174	1.2152	0.0362	0.0396	-0.0291	0.0467
1230	10.4	10.7	0.5391	0.6592	0.0175	1.2159	0.0301	0.0448	-0.0312	0.0437
1231	10.4	10.7	0.5385	0.659	0.0174	1.2149	0.023	0.041	-0.029	0.035
1232	10.5	10.7	0.5383	0.6591	0.0175	1.215	0.018	0.0388	-0.0266	0.0301
1233	10.9	10.7	0.5389	0.6587	0.0176	1.2152	0.0133	0.0336	-0.0301	0.0168
1234	11.2	10.6	0.5395	0.6576	0.0178	1.2149	0.0082	0.0343	-0.0357	0.0068
1235	11.2	10.7	0.5401	0.6575	0.0177	1.2153	0.008	0.0267	-0.035	-0.0003
1236	10.9	10.7	0.5404	0.658	0.0174	1.2158	0.015	0.0231	-0.0322	0.0059
1237	10.6	10.7	0.5407	0.6585	0.0171	1.2163	0.0268	0.0243	-0.0312	0.0198
1238	10.3	10.7	0.5403	0.6591	0.0171	1.2165	0.0347	0.0342	-0.0355	0.0334
1239	10.3	10.6	0.5396	0.6589	0.0172	1.2157	0.0417	0.0422	-0.0317	0.0522
1240	10.4	10.6	0.5391	0.6586	0.0173	1.215	0.0407	0.014	-0.03	0.0247
1241	10.4	10.7	0.5381	0.6586	0.0174	1.2141	0.0349	0.0023	0.0057	0.0429
1242	10.8	10.7	0.5375	0.6586	0.0174	1.2135	0.0382	0.0172	0.0005	0.0559
1243	10.5	10.7	0.5376	0.6589	0.0171	1.2135	0.0545	0.0168	0.0018	0.0731
1244	10.9	10.7	0.5378	0.6583	0.0167	1.2128	0.0702	0.0204	0.0034	0.0941
1245	10.5	10.6	0.5372	0.6593	0.0168	1.2133	0.0783	0.0191	0.0037	0.101
1246	10.9	10.6	0.5373	0.6592	0.017	1.2135	0.084	0.0192	-0.0002	0.1031
1247	10.7	10.6	0.5376	0.6592	0.0171	1.2139	0.0831	0.0271	-0.0016	0.1086
1248	10.2	10.6	0.5381	0.6586	0.0166	1.2132	0.088	0.0293	0.0029	0.1202
1249	10.7	10.6	0.5385	0.6582	0.0164	1.2131	0.0901	0.0379	0.008	0.1361

1250	11	10.5	0.539	0.6582	0.0168	1.214	0.094	0.0402	0.007	0.1413
1251	10.8	10.6	0.5394	0.6578	0.0169	1.2141	0.0904	0.0539	0.0048	0.1492
1252	10.5	10.5	0.5397	0.6574	0.0168	1.2138	0.0807	0.0612	0.0076	0.1496
1253	10.8	10.5	0.5402	0.6574	0.0169	1.2144	0.0809	0.0546	0.0101	0.1456
1254	10.5	10.5	0.54	0.6573	0.0171	1.2144	0.0851	0.061	0.0117	0.1578
1255	10.5	10.4	0.5396	0.6574	0.0172	1.2142	0.0856	0.0617	0.0082	0.1555
1256	10.4	10.4	0.5386	0.6577	0.0173	1.2136	0.0678	0.0538	0.0053	0.1268
1257	10	10.3	0.5375	0.6572	0.0167	1.2114	0.0501	0.0461	0.0023	0.0986
1258	10.5	10.3	0.5368	0.657	0.0163	1.2101	0.0345	0.0333	0.0021	0.0698
1259	9.75	10.3	0.5372	0.657	0.0162	1.2103	0.0211	0.0189	-0.0002	0.0398
1260	10.5	10.3	0.5375	0.6565	0.0161	1.2101	0.0156	0.0184	-0.0031	0.0309
1261	10.4	10.3	0.5381	0.6567	0.016	1.2108	0.0036	0.0063	-0.0052	0.0048
1262	9.7	10.3	0.5386	0.6572	0.0164	1.2122	-0.0004	0.0013	-0.0085	-0.0077
1263	10.5	10.3	0.5386	0.6564	0.0167	1.2117	0.0048	-0.0059	-0.0125	-0.0136
1264	9.93	10.2	0.5389	0.6575	0.0171	1.2135	0.0014	-0.0228	-0.0111	-0.0324
1265	9.79	10.2	0.5394	0.6585	0.0173	1.2152	-0.0009	-0.0176	-0.0142	-0.0326
1266	9.9	10.2	0.5403	0.6586	0.0176	1.2165	0.0025	-0.0265	-0.0172	-0.0412
1267	9.9	10.2	0.5412	0.6592	0.0177	1.2182	0.0103	-0.0337	-0.0209	-0.0443
1268	10.2	10.2	0.5422	0.659	0.0176	1.2188	0.0021	-0.0333	-0.019	-0.0502
1269	10.8	10.2	0.5429	0.6591	0.0175	1.2196	-0.0223	-0.0368	-0.0173	-0.0765
1270	10.9	10.1	0.5435	0.6592	0.0179	1.2206	-0.0289	-0.0336	-0.0206	-0.0831
1271	10.3	10.1	0.5437	0.6587	0.0182	1.2205	-0.0253	-0.0416	-0.0187	-0.0855
1272	10.5	10.2	0.5431	0.6586	0.0184	1.2201	-0.0244	-0.0459	-0.0177	-0.088
1273	9.67	10.2	0.5432	0.6586	0.0181	1.2199	-0.0249	-0.052	-0.018	-0.0949
1274	9.95	10.2	0.5433	0.6598	0.0178	1.221	-0.02	-0.0587	-0.0199	-0.0985
1275	10.1	10.3	0.5436	0.6597	0.0179	1.2211	-0.0174	-0.0671	-0.017	-0.1015
1276	10.4	10.3	0.5434	0.6598	0.0178	1.221	-0.015	-0.0675	-0.0149	-0.0974
1277	9.8	10.4	0.5432	0.6598	0.0179	1.2209	-0.0219	-0.0721	-0.0161	-0.11
1278	9.91	10.4	0.5436	0.6598	0.0179	1.2213	-0.0371	-0.0755	-0.0132	-0.1258
1279	9.92	10.4	0.5439	0.66	0.018	1.2219	-0.0372	-0.0692	-0.0126	-0.119
1280	10.3	10.4	0.5443	0.6605	0.0178	1.2227	-0.0359	-0.0656	-0.0116	-0.1132
1281	10.6	10.5	0.5447	0.6607	0.0176	1.2229	-0.0432	-0.0608	-0.0111	-0.1152
1282	10.6	10.5	0.5453	0.6611	0.0179	1.2243	-0.0518	-0.0616	-0.0129	-0.1264
1283	10.4	10.6	0.5457	0.6608	0.0184	1.2249	-0.0509	-0.0622	-0.0123	-0.1254
1284	10.5	10.6	0.5458	0.6611	0.0185	1.2254	-0.0459	-0.0637	-0.0115	-0.121
1285	10.7	10.7	0.5454	0.6614	0.0185	1.2253	-0.042	-0.0697	-0.0096	-0.1213
1286	11.1	10.7	0.5447	0.6619	0.0186	1.2252	-0.0362	-0.065	-0.0118	-0.113

1287	11.3	10.8	0.5441	0.6615	0.0189	1.2245	-0.0273	-0.0619	-0.0145	-0.1037
1288	11.2	10.9	0.5432	0.6614	0.0184	1.223	-0.0188	-0.0605	-0.0167	-0.096
1289	11.1	10.9	0.5429	0.662	0.0182	1.2231	-0.0178	-0.054	-0.0178	-0.0896
1290	11.2	11	0.5425	0.6621	0.0182	1.2228	-0.0249	-0.0539	-0.0172	-0.096
1291	10.7	11	0.5417	0.6613	0.0181	1.2212	-0.0293	-0.0509	-0.0155	-0.0957
1292	11	11.1	0.5407	0.6612	0.0179	1.2198	-0.0349	-0.0589	-0.0124	-0.1063
1293	10.8	11.1	0.5393	0.6612	0.0178	1.2183	-0.0385	-0.0637	-0.013	-0.1152
1294	11.4	11.2	0.5384	0.6614	0.0179	1.2177	-0.0394	-0.0573	-0.0165	-0.1132
1295	11.2	11.2	0.538	0.6613	0.0182	1.2175	-0.0401	-0.0705	-0.0218	-0.1324
1296	11.3	11.2	0.5381	0.6609	0.0183	1.2173	-0.0438	-0.0619	-0.0214	-0.1271
1297	11.1	11.2	0.5381	0.6608	0.018	1.2169	-0.0397	-0.0619	-0.0173	-0.1188
1298	11.2	11.2	0.5382	0.6601	0.0177	1.216	-0.0349	-0.0635	-0.0167	-0.1151
1299	11.3	11.2	0.538	0.6599	0.0176	1.2155	-0.0244	-0.0689	-0.0214	-0.1147
1300	11.7	11.1	0.5384	0.6592	0.0178	1.2154	-0.0118	-0.0721	-0.0241	-0.1081
1301	11.4	11.2	0.5391	0.6582	0.0177	1.215	-0.0042	-0.0716	-0.0201	-0.0959
1302	11.2	11.1	0.5389	0.659	0.0175	1.2154	0.0031	-0.0799	-0.0181	-0.0949
1303	11.6	11.1	0.5391	0.6588	0.0174	1.2154	0.0135	-0.0881	-0.0202	-0.0949
1304	11.5	11.1	0.5395	0.6585	0.0176	1.2156	0.0204	-0.0922	-0.0202	-0.0921
1305	11.2	11.1	0.5402	0.6594	0.0179	1.2175	0.0216	-0.0877	-0.0178	-0.0839
1306	11.1	11	0.5405	0.6602	0.0181	1.2187	0.0218	-0.0888	-0.017	-0.0841
1307	11.1	11	0.541	0.6614	0.0182	1.2206	0.0131	-0.0858	-0.0143	-0.087
1308	10.8	11	0.5412	0.6622	0.0181	1.2215	0.0054	-0.0902	-0.0216	-0.1064
1309	10.4	11	0.5409	0.662	0.018	1.221	-0.0036	-0.0876	-0.0239	-0.1151
1310	10.9	10.9	0.5408	0.6625	0.0181	1.2213	-0.0024	-0.0923	-0.0262	-0.1209
1311	10.6	10.9	0.5406	0.6626	0.0181	1.2213	-0.0038	-0.0889	-0.0267	-0.1194
1312	10.5	10.8	0.5397	0.6623	0.0184	1.2204	-0.0015	-0.0865	-0.0243	-0.1123
1313	10.7	10.8	0.5399	0.6629	0.0183	1.2211	0.0043	-0.0845	-0.0204	-0.1007
1314	11.1	10.8	0.5406	0.6624	0.0184	1.2214	0.0121	-0.0914	-0.0151	-0.0944
1315	10.5	10.8	0.5416	0.6624	0.0186	1.2226	0.0162	-0.0735	-0.0103	-0.0676
1316	10.7	10.8	0.5418	0.6625	0.0188	1.2232	0.0187	-0.0637	-0.0067	-0.0516
1317	10.9	10.8	0.5415	0.6627	0.0189	1.2231	0.0222	-0.064	-0.0041	-0.0459
1318	11	10.8	0.5413	0.6632	0.0188	1.2233	0.0236	-0.0582	-0.0083	-0.0429
1319	10.4	10.8	0.5413	0.6637	0.019	1.224	0.0157	-0.066	-0.0127	-0.063
1320	10.4	10.8	0.5408	0.6641	0.0191	1.224	0.0147	-0.0618	-0.0156	-0.0627
1321	10.7	10.8	0.5404	0.6644	0.0189	1.2237	0.0108	-0.0614	-0.0102	-0.0608
1322	11	10.8	0.5404	0.6643	0.0189	1.2236	0.0144	-0.0726	-0.0073	-0.0655
1323	11.6	10.8	0.5403	0.6645	0.019	1.2238	0.0215	-0.0788	-0.0059	-0.0632

1324	11.5	10.8	0.5403	0.6653	0.0189	1.2244	0.023	-0.0785	-0.0117	-0.0672
1325	10.7	10.8	0.5405	0.665	0.0186	1.2241	0.0281	-0.0668	-0.0143	-0.0529
1326	10.5	10.8	0.5414	0.6653	0.0187	1.2254	0.0329	-0.0679	-0.0141	-0.0491
1327	10.6	10.8	0.5431	0.6657	0.0183	1.2272	0.0312	-0.0684	-0.0152	-0.0524
1328	10.9	10.8	0.5433	0.6654	0.0184	1.2271	0.0323	-0.0686	-0.0153	-0.0516
1329	11	10.9	0.543	0.6649	0.0186	1.2265	0.0448	-0.0734	-0.0119	-0.0406
1330	10.9	10.9	0.5435	0.6653	0.0186	1.2274	0.0496	-0.0715	-0.0095	-0.0313
1331	10.6	10.9	0.5437	0.6651	0.0187	1.2276	0.04	-0.0655	-0.0127	-0.0382
1332	10.2	10.9	0.5434	0.6654	0.0187	1.2275	0.0312	-0.0637	-0.0143	-0.0469
1333	10.8	10.9	0.5434	0.6651	0.0188	1.2273	0.0151	-0.0542	-0.0088	-0.0479
1334	11	10.9	0.5437	0.6646	0.0187	1.227	0.0135	-0.0605	-0.0048	-0.0518
1335	11.1	10.9	0.5437	0.664	0.0189	1.2266	0.0194	-0.0596	-0.0039	-0.044
1336	11.1	10.9	0.5431	0.6642	0.0189	1.2262	0.0249	-0.0547	-0.0012	-0.031
1337	10.6	10.9	0.5426	0.6645	0.0188	1.2259	0.0167	-0.0515	-0.0023	-0.0371
1338	11.2	10.9	0.5421	0.6645	0.0189	1.2255	0.0046	-0.0507	0.0002	-0.0459
1339	11.4	10.9	0.5421	0.6643	0.0189	1.2253	-0.0002	-0.0463	-0.0045	-0.051
1340	10.7	10.8	0.542	0.6637	0.0188	1.2245	-0.0025	-0.0374	-0.0062	-0.0461
1341	10.9	10.8	0.5416	0.6645	0.0186	1.2247	-0.0001	-0.0382	-0.0055	-0.0437
1342	11.1	10.8	0.5414	0.6649	0.0187	1.225	-0.0028	-0.0483	-0.0071	-0.0583
1343	11.4	10.8	0.5415	0.6646	0.0187	1.2249	-0.0149	-0.0488	-0.0116	-0.0752
1344	10.7	10.8	0.5418	0.6654	0.0189	1.2261	-0.0283	-0.053	-0.0147	-0.096
1345	10.7	10.7	0.5416	0.6655	0.0189	1.226	-0.0293	-0.0544	-0.0125	-0.0962
1346	10.8	10.7	0.5413	0.6653	0.0187	1.2253	-0.0253	-0.0546	-0.0092	-0.0891
1347	10.7	10.7	0.5411	0.6656	0.0187	1.2254	-0.0182	-0.0551	-0.0089	-0.0822
1348	10.4	10.7	0.5405	0.6655	0.0187	1.2247	-0.0089	-0.062	-0.0129	-0.0838
1349	10.2	10.7	0.5397	0.6654	0.0188	1.2239	-0.0044	-0.0645	-0.0164	-0.0853
1350	10.2	10.7	0.5394	0.6654	0.0188	1.2236	-0.0019	-0.0699	-0.0158	-0.0876
1351	10.4	10.7	0.5391	0.6658	0.0187	1.2236	0.0082	-0.0771	-0.0119	-0.0808
1352	10.6	10.6	0.5384	0.6662	0.0188	1.2233	0.019	-0.0893	-0.0118	-0.082
1353	10.4	10.6	0.5381	0.6666	0.0189	1.2236	0.0239	-0.084	-0.0131	-0.0732
1354	10.8	10.6	0.5378	0.666	0.0189	1.2228	0.0282	-0.0837	-0.0146	-0.0701
1355	10.8	10.6	0.5374	0.6662	0.0189	1.2226	0.0329	-0.0811	-0.0147	-0.063
1356	10.4	10.6	0.5373	0.6663	0.0187	1.2222	0.0371	-0.0767	-0.0085	-0.0481
1357	10.9	10.6	0.537	0.6662	0.0189	1.2221	0.0376	-0.0728	-0.0032	-0.0384
1358	10.7	10.6	0.5371	0.6657	0.0187	1.2216	0.0422	-0.0609	-0.0039	-0.0225
1359	10.9	10.6	0.5374	0.6662	0.0188	1.2224	0.0301	-0.0521	-0.005	-0.027
1360	10.6	10.6	0.5379	0.6654	0.0188	1.222	0.0158	-0.0574	-0.0065	-0.0481

1361	10.4	10.6	0.5382	0.6654	0.0185	1.2221	0.0121	-0.0575	-0.0072	-0.0526
1362	11	10.6	0.5382	0.6657	0.0184	1.2223	0.0114	-0.0502	-0.0108	-0.0496
1363	10.6	10.7	0.5374	0.6655	0.0182	1.2212	0.0085	-0.0505	-0.0085	-0.0504
1364	10.8	10.6	0.5372	0.6648	0.0182	1.2202	0.0172	-0.0417	-0.0106	-0.0351
1365	10.6	10.6	0.5375	0.6649	0.018	1.2204	0.028	-0.0502	-0.0055	-0.0277
1366	10.3	10.6	0.5381	0.665	0.0181	1.2211	0.0384	-0.0448	-0.0004	-0.0067
1367	10.7	10.6	0.5389	0.6651	0.0185	1.2224	0.0421	-0.0397	0.0032	0.0056
1368	10.7	10.6	0.5406	0.6656	0.0189	1.2251	0.0323	-0.0382	0.0034	-0.0025
1369	9.92	10.5	0.5415	0.6653	0.0191	1.2258	0.0273	-0.0401	0.0028	-0.0101
1370	10.7	10.5	0.5424	0.6654	0.0189	1.2267	0.0191	-0.0354	0.0037	-0.0126
1371	10.7	10.5	0.5422	0.6659	0.0189	1.2271	0.0073	-0.0242	0.0036	-0.0134
1372	10.9	10.5	0.541	0.6664	0.019	1.2264	-0.007	-0.0279	0.0026	-0.0323
1373	10.4	10.5	0.5409	0.6664	0.0193	1.2266	-0.015	-0.0332	0.0039	-0.0442
1374	10.5	10.4	0.5405	0.6665	0.0192	1.2263	-0.0173	-0.0253	0.0034	-0.0392
1375	10.2	10.4	0.5403	0.6665	0.0193	1.2261	-0.0111	-0.0235	-0.0002	-0.0348
1376	10.2	10.4	0.5403	0.6666	0.0193	1.2262	0.0021	-0.0324	-0.0016	-0.0319
1377	10.3	10.5	0.54	0.6666	0.0194	1.226	0.0189	-0.0234	-0.0031	-0.0077
1378	10.4	10.4	0.5391	0.6672	0.0191	1.2253	0.036	-0.0144	-0.0067	0.0148
1379	9.91	10.5	0.5389	0.6671	0.019	1.225	0.0374	-0.0198	-0.0051	0.0125
1380	10.2	10.4	0.5403	0.6671	0.0191	1.2265	0.0453	-0.024	-0.004	0.0173
1381	10.5	10.4	0.5415	0.6671	0.019	1.2276	0.0607	-0.022	-0.0041	0.0345
1382	10.6	10.4	0.5438	0.6665	0.0188	1.2291	0.0742	-0.0269	-0.0029	0.0444
1383	10.6	10.4	0.5444	0.6668	0.0189	1.2301	0.073	-0.0312	-0.0003	0.0415
1384	10.6	10.4	0.5439	0.667	0.0189	1.2298	0.0719	-0.0369	0.0006	0.0356
1385	10.2	10.5	0.5429	0.6669	0.0186	1.2284	0.0721	-0.0386	-0.0007	0.0328
1386	10.9	10.5	0.543	0.6671	0.0188	1.2289	0.0734	-0.0412	-0.0018	0.0304
1387	10.6	10.5	0.5436	0.6665	0.0189	1.229	0.0699	-0.0395	-0.0013	0.029
1388	10.5	10.5	0.5432	0.666	0.0188	1.2281	0.063	-0.0348	0.0015	0.0298
1389	10	10.5	0.5431	0.6658	0.0188	1.2277	0.0506	-0.0303	0.0025	0.0229
1390	10.5	10.5	0.5425	0.6659	0.0187	1.2272	0.046	-0.0271	0.0013	0.0202
1391	10.6	10.6	0.542	0.6662	0.0189	1.227	0.0354	-0.0352	-0.0009	-0.0006
1392	10.4	10.6	0.5422	0.6661	0.0191	1.2273	0.0309	-0.0255	0.0001	0.0055
1393	10.9	10.5	0.5422	0.6665	0.0193	1.2279	0.0218	-0.0219	0.001	0.0008
1394	11.3	10.5	0.5414	0.6668	0.0192	1.2273	0.0225	-0.0164	0.0012	0.0073
1395	10.5	10.5	0.5405	0.6668	0.0191	1.2264	0.0316	-0.005	0.0032	0.0298
1396	10	10.5	0.54	0.6664	0.0192	1.2255	0.0334	-0.004	0.003	0.0324
1397	10.5	10.5	0.5389	0.667	0.0193	1.2253	0.0331	-0.0041	0.0011	0.0301

1398	10.5	10.5	0.5387	0.6666	0.0193	1.2245	0.0323	-0.0034	0.0032	0.032
1399	10.6	10.5	0.5382	0.6669	0.0192	1.2243	0.02	-0.0042	0.0033	0.0191
1400	11	10.5	0.5376	0.6669	0.019	1.2234	0.0013	-0.0041	0.0021	-0.0006
1401	10.4	10.4	0.5372	0.6671	0.0189	1.2232	0.0009	-0.0012	-0.0011	-0.0013
1402	10.1	10.4	0.5365	0.6674	0.0188	1.2227	-0.0026	0.0055	-0.0019	0.001
1403	10.5	10.4	0.5363	0.6672	0.0189	1.2224	-0.0094	0.0069	0.0004	-0.0021
1404	10.4	10.3	0.5362	0.6666	0.019	1.2219	-0.0091	0.0084	0.0018	0.0012
1405	10.1	10.3	0.5365	0.667	0.0187	1.2223	-0.0185	-0.004	0.001	-0.0215
1406	10.3	10.3	0.5367	0.6675	0.0184	1.2226	-0.0224	0.0018	0.0001	-0.0205
1407	10.4	10.3	0.5368	0.6675	0.0185	1.2228	-0.0193	0.0017	-0.0016	-0.0192
1408	10.5	10.3	0.5382	0.6674	0.0186	1.2242	-0.0239	-0.0009	-0.0042	-0.029
1409	9.92	10.2	0.5394	0.6678	0.0187	1.2258	-0.0221	-0.0069	-0.0044	-0.0334
1410	10.1	10.2	0.5396	0.6682	0.0188	1.2266	-0.0189	-0.003	0.0006	-0.0212
1411	10.1	10.2	0.5395	0.6676	0.0192	1.2263	-0.0143	-0.01	-0.0006	-0.0249
1412	10.4	10.2	0.5389	0.6673	0.0192	1.2254	-0.0028	-0.0101	-0.0049	-0.0178
1413	9.91	10.2	0.5382	0.6671	0.0194	1.2246	0.0016	-0.0071	-0.0044	-0.01
1414	10	10.1	0.5378	0.6674	0.019	1.2241	-0.0062	-0.0083	-0.0069	-0.0214
1415	9.94	10.2	0.5378	0.6668	0.0187	1.2233	-0.0141	-0.0173	-0.0084	-0.0397
1416	9.94	10.1	0.5376	0.6665	0.0185	1.2226	-0.0112	-0.0305	-0.0109	-0.0526
1417	10.2	10.1	0.5383	0.6666	0.0185	1.2234	-0.001	-0.0296	-0.0113	-0.042
1418	9.63	10.1	0.5385	0.6672	0.0186	1.2243	0.004	-0.029	-0.0068	-0.0318
1419	10.1	10.1	0.5394	0.6672	0.0186	1.2252	0.0211	-0.0266	-0.0043	-0.0098
1420	10.4	10.1	0.5401	0.6665	0.0187	1.2253	0.03	-0.0267	-0.0002	0.003
1421	10.2	10.1	0.5411	0.6672	0.0186	1.2269	0.0421	-0.0237	-0.004	0.0144
1422	10.2	10.1	0.5419	0.6676	0.0185	1.228	0.0404	-0.0169	-0.0044	0.0191
1423	10.1	10.1	0.542	0.6671	0.0187	1.2277	0.0254	-0.0102	-0.0053	0.01
1424	10.5	10.1	0.5414	0.6677	0.0189	1.2279	0.0287	-0.0084	-0.0026	0.0177
1425	9.97	10.1	0.5402	0.6682	0.0188	1.2273	0.0256	-0.0067	-0.0033	0.0157
1426	10.1	10.1	0.5395	0.6676	0.019	1.2261	0.0235	-0.0101	-0.0015	0.0119
1427	9.89	10	0.5395	0.6672	0.019	1.2257	0.0268	-0.0066	-0.0005	0.0196
1428	9.85	10	0.5396	0.6674	0.0189	1.2259	0.027	-0.0042	-0.0006	0.0222
1429	9.54	9.99	0.5385	0.6673	0.019	1.2248	0.021	0.0034	-0.0027	0.0217
1430	10.3	9.99	0.5374	0.6675	0.019	1.2239	0.0222	0.0032	-0.0033	0.0221
1431	10	9.96	0.5363	0.6678	0.019	1.2231	0.0358	-0.0015	-0.0023	0.032
1432	9.88	9.99	0.5361	0.6685	0.0188	1.2233	0.0439	-0.0063	-0.0019	0.0356
1433	10	10	0.5362	0.6688	0.0187	1.2238	0.0684	-0.0124	-0.0038	0.0523
1434	9.96	10	0.5365	0.6684	0.0188	1.2238	0.0728	-0.0113	-0.0031	0.0585

1435	9.9	10	0.5364	0.6681	0.019	1.2236	0.0614	-0.0163	-0.0041	0.041
1436	10	10	0.5362	0.6681	0.019	1.2233	0.0496	-0.0197	-0.0069	0.0229
1437	9.35	10.1	0.5363	0.668	0.0186	1.2229	0.0489	-0.0143	-0.0056	0.029
1438	9.48	10.1	0.537	0.6675	0.0187	1.2232	0.0566	-0.0234	-0.004	0.0292
1439	10.3	10.2	0.5375	0.667	0.0188	1.2233	0.0554	-0.0274	-0.0033	0.0247
1440	9.8	10.2	0.5385	0.6672	0.0189	1.2246	0.0561	-0.0294	-0.0024	0.0243
1441	10.6	10.2	0.5385	0.6671	0.0186	1.2242	0.0503	-0.0246	-0.003	0.0226
1442	10.4	10.2	0.5392	0.6671	0.0186	1.225	0.0468	-0.0224	-0.0025	0.0219
1443	10.6	10.2	0.5393	0.6663	0.0186	1.2241	0.0477	-0.0239	0.0004	0.0242
1444	10.5	10.2	0.5386	0.6659	0.0186	1.2231	0.0414	-0.0238	0.002	0.0196
1445	10.2	10.2	0.5383	0.6659	0.0186	1.2228	0.0316	-0.0169	0.0005	0.0152
1446	10.3	10.2	0.538	0.6658	0.0186	1.2223	0.0283	-0.0133	0	0.015
1447	10.7	10.2	0.5379	0.6659	0.0184	1.2222	0.0272	-0.0175	0	0.0097
1448	10.7	10.2	0.5385	0.6659	0.0184	1.2227	0.0273	-0.0113	0.0019	0.018
1449	10.7	10.2	0.5396	0.6658	0.0186	1.224	0.0231	-0.0259	0.002	-0.0008
1450	10.3	10.2	0.5394	0.6655	0.0189	1.2238	0.022	-0.0224	0.0009	0.0005
1451	10.1	10.1	0.5393	0.6652	0.0189	1.2235	0.0127	-0.0176	-0.0002	-0.0051
1452	10.3	10.1	0.5393	0.6655	0.0187	1.2235	0.0054	-0.0155	-0.0008	-0.0108
1453	9.78	10.1	0.539	0.6657	0.0187	1.2235	-0.0003	-0.0117	-0.0003	-0.0123
1454	10	10	0.5397	0.6664	0.0188	1.2249	-0.0054	-0.0067	-0.001	-0.013
1455	10	10	0.5397	0.6661	0.0189	1.2246	-0.0076	-0.0029	-0.0001	-0.0105
1456	9.45	9.99	0.5392	0.6661	0.0189	1.2242	-0.0002	0.0013	-0.0039	-0.0027
1457	9.3	9.96	0.5394	0.6663	0.0193	1.225	0.0074	0.0016	-0.0092	-0.0002
1458	9.59	9.94	0.5393	0.6664	0.0192	1.2249	0.0097	-0.0014	-0.0066	0.0017
1459	9.43	9.89	0.5393	0.6665	0.0188	1.2246	0.0265	-0.0089	-0.0072	0.0104
1460	9.73	9.89	0.5393	0.6664	0.0188	1.2245	0.037	-0.0077	-0.0072	0.0221
1461	9.97	9.91	0.5385	0.6664	0.019	1.2239	0.038	-0.0096	-0.0061	0.0223
1462	10.1	9.9	0.538	0.6664	0.0188	1.2233	0.0342	-0.011	-0.0022	0.021
1463	9.86	9.92	0.538	0.6664	0.0189	1.2233	0.0299	-0.0159	-0.001	0.013
1464	10.1	9.92	0.5387	0.6666	0.019	1.2242	0.0257	-0.0136	-0.0003	0.0119
1465	9.74	9.95	0.5387	0.6679	0.0191	1.2257	0.0227	-0.0106	-0.0035	0.0086
1466	10.2	10	0.5382	0.668	0.0192	1.2253	0.0196	-0.0188	-0.0065	-0.0056
1467	10.3	10.1	0.5385	0.668	0.0192	1.2256	0.0171	-0.0208	-0.008	-0.0117
1468	9.77	10.1	0.5385	0.6682	0.0193	1.226	0.0239	-0.0247	-0.0072	-0.0081
1469	10.4	10.1	0.5385	0.6679	0.0191	1.2255	0.0274	-0.0156	-0.0064	0.0054
1470	10.3	10.1	0.5382	0.6677	0.0193	1.2252	0.0327	-0.0142	-0.0065	0.012
1471	10.3	10.1	0.5382	0.6676	0.0193	1.2252	0.0352	-0.0249	-0.0066	0.0037

1472	10.1	10.1	0.5385	0.6675	0.0195	1.2254	0.0427	-0.0197	-0.009	0.0141
1473	10	10.2	0.538	0.6672	0.0195	1.2248	0.0551	-0.0128	-0.01	0.0323
1474	10.7	10.2	0.5379	0.6672	0.0196	1.2247	0.0628	-0.0177	-0.0076	0.0376
1475	10.8	10.2	0.538	0.6675	0.0195	1.2249	0.0595	-0.011	-0.0043	0.0442
1476	10.2	10.2	0.5376	0.6673	0.0194	1.2243	0.0494	-0.0015	-0.0068	0.0411
1477	9.97	10.2	0.5373	0.6671	0.0195	1.2238	0.045	-0.0142	-0.003	0.0279
1478	10	10.2	0.537	0.6668	0.0194	1.2232	0.0462	-0.0199	-0.0012	0.0252
1479	9.67	10.1	0.5367	0.6668	0.0193	1.2228	0.0478	-0.0191	-0.0033	0.0255
1480	10.3	10.1	0.5368	0.6673	0.0193	1.2233	0.0392	-0.025	-0.0046	0.0097
1481	10.2	10.2	0.5371	0.6677	0.0192	1.2241	0.0315	-0.0227	-0.0021	0.0066
1482	10.2	10.2	0.5369	0.6678	0.0192	1.2239	0.0273	-0.0185	-0.0007	0.0081
1483	10.4	10.2	0.5371	0.668	0.0192	1.2243	0.0242	-0.015	-0.0033	0.0059
1484	10.2	10.2	0.5377	0.6687	0.0193	1.2257	0.0188	-0.0069	-0.004	0.0079
1485	9.67	10.1	0.5379	0.6689	0.0193	1.2261	0.0148	-0.007	-0.0001	0.0077
1486	9.88	10.1	0.5381	0.6685	0.0194	1.226	0.0153	-0.0013	0.0033	0.0172
1487	10.2	10.1	0.538	0.6689	0.0193	1.2261	0.0188	0.0055	0.0019	0.0262
1488	9.56	10.1	0.5377	0.6688	0.0192	1.2256	0.0231	0.0102	-0.0021	0.0312
1489	9.96	10.2	0.5375	0.6687	0.0191	1.2253	0.0366	0.0034	-0.0013	0.0387
1490	10.9	10.2	0.5375	0.6684	0.019	1.2249	0.0471	-0.0052	-0.001	0.0409
1491	10.8	10.2	0.5373	0.6684	0.0191	1.2248	0.0625	-0.0031	0.0028	0.0622
1492	10.2	10.2	0.5374	0.6685	0.019	1.2249	0.0663	-0.001	0	0.0653
1493	9.9	10.1	0.538	0.6688	0.0191	1.2259	0.0731	-0.0028	0.001	0.0713
1494	10.2	10.1	0.5382	0.6685	0.0191	1.2258	0.0725	-0.0091	0.001	0.0644
1495	9.64	10.1	0.5377	0.6681	0.0191	1.2249	0.0598	-0.0145	0.0003	0.0456
1496	9.61	10.1	0.5372	0.6681	0.0192	1.2246	0.0434	-0.0192	-0.0117	0.0126
1497	10.9	10.1	0.5362	0.6682	0.0191	1.2235	0.0505	-0.0241	-0.0338	-0.0075
1498	10.3	10.1	0.5364	0.6692	0.0191	1.2246	0.053	-0.0191	-0.0364	-0.0025
1499	10.3	10.1	0.536	0.6691	0.0191	1.2242	0.0591	-0.0202	-0.0385	0.0004
1500	10.1	10.1	0.5363	0.6687	0.019	1.2239	0.0713	-0.0189	-0.0366	0.0158
1501	10.2	10	0.5366	0.6687	0.0189	1.2242	0.068	-0.0207	-0.0311	0.0162
1502	9.66	10	0.5366	0.6685	0.0188	1.2239	0.0684	-0.0238	-0.0277	0.0169
1503	9.89	10	0.5369	0.6679	0.019	1.2237	0.0723	-0.0121	-0.0325	0.0276
1504	9.76	10	0.537	0.6669	0.0191	1.223	0.0769	0.0019	-0.0357	0.0432
1505	9.74	10.1	0.5365	0.6669	0.0191	1.2226	0.084	0.0216	-0.0359	0.0697
1506	9.94	10.1	0.536	0.6673	0.0193	1.2226	0.0836	0.019	-0.0332	0.0695
1507	10.1	10.1	0.5358	0.6677	0.0192	1.2227	0.0773	0.0144	-0.0343	0.0574
1508	9.94	10.1	0.5356	0.6683	0.0193	1.2232	0.0801	0.0216	-0.0289	0.0728

1509	10.4	10.1	0.5357	0.6685	0.0194	1.2236	0.0804	0.0269	-0.0294	0.0779
1510	9.99	10.1	0.5358	0.6692	0.0194	1.2244	0.0797	0.0273	-0.0338	0.0731
1511	10.1	10	0.5361	0.6687	0.0194	1.2242	0.0774	0.0202	-0.0347	0.0629
1512	9.57	10	0.5359	0.6689	0.0193	1.2241	0.0674	0.022	-0.0339	0.0555
1513	9.97	10	0.5356	0.6684	0.0194	1.2234	0.0636	0.0154	-0.0356	0.0434
1514	10.5	10.1	0.5355	0.6684	0.0193	1.2233	0.0617	0.011	-0.0347	0.0381
1515	10.3	10.1	0.5358	0.6687	0.0193	1.2238	0.065	0.0124	-0.034	0.0434
1516	10.3	10.1	0.5359	0.6685	0.0193	1.2238	0.0666	0.0173	-0.0319	0.052
1517	10.2	10.1	0.5359	0.669	0.0193	1.2242	0.067	0.0195	-0.0301	0.0564
1518	10.5	10.1	0.5358	0.6688	0.0192	1.2238	0.075	0.0226	-0.03	0.0676
1519	10.2	10.1	0.5361	0.6686	0.0193	1.224	0.0751	0.0295	-0.0281	0.0765
1520	9.79	10.1	0.5365	0.669	0.0194	1.2249	0.0823	0.0268	-0.028	0.0811
1521	9.68	10.1	0.5368	0.6692	0.0195	1.2255	0.0859	0.0278	-0.027	0.0867
1522	9.61	10.1	0.5364	0.6689	0.0195	1.2248	0.0879	0.024	-0.0266	0.0854
1523	10.3	10.1	0.5357	0.6689	0.0194	1.224	0.088	0.0151	-0.0253	0.0778
1524	10.1	10.1	0.5354	0.6688	0.0193	1.2235	0.0796	0.0095	-0.0266	0.0625
1525	9.61	10	0.5353	0.6684	0.0195	1.2232	0.0747	0.0138	-0.0261	0.0623
1526	10.6	10	0.535	0.6691	0.0193	1.2233	0.068	0.0147	-0.0272	0.0555
1527	9.96	9.99	0.5349	0.6692	0.0191	1.2232	0.0598	0.0107	-0.0294	0.0411
1528	9.93	9.93	0.5348	0.6693	0.0192	1.2233	0.0543	0.0032	-0.0274	0.0301
1529	10.4	9.93	0.5346	0.6698	0.0195	1.2238	0.0414	0.0001	-0.0263	0.0152
1530	9.75	9.95	0.5342	0.6698	0.0192	1.2233	0.0285	0.0001	-0.0283	0.0004
1531	9.74	9.99	0.5336	0.6697	0.0191	1.2223	0.0247	0.0037	-0.029	-0.0006
1532	10.1	10	0.5337	0.67	0.0191	1.2228	0.0291	0.0116	-0.0314	0.0092
1533	9.86	10	0.5344	0.6695	0.0191	1.223	0.0289	0.013	-0.0346	0.0073
1534	9.9	10	0.535	0.6691	0.0188	1.223	0.0339	0.0133	-0.0359	0.0112
1535	9.9	10	0.5349	0.6683	0.0187	1.2218	0.0402	0.0301	-0.035	0.0352
1536	9.85	9.97	0.5343	0.6676	0.0188	1.2207	0.0402	0.0259	-0.0328	0.0333
1537	9.48	9.97	0.534	0.667	0.0188	1.2198	0.0409	0.0188	-0.0311	0.0286
1538	10.1	9.98	0.5333	0.6672	0.0188	1.2193	0.0467	0.0192	-0.0313	0.0345
1539	10.2	9.93	0.5328	0.6675	0.0189	1.2192	0.0466	0.0153	-0.0324	0.0296
1540	10.5	9.94	0.5322	0.6676	0.0186	1.2184	0.0455	0.0077	-0.0341	0.0191
1541	9.84	9.97	0.5319	0.6672	0.0186	1.2177	0.0448	0.0094	-0.0351	0.0192
1542	10.3	9.98	0.5319	0.6674	0.0185	1.2178	0.0426	0.012	-0.0349	0.0196
1543	10	10	0.532	0.6672	0.0185	1.2177	0.0451	0.0123	-0.0377	0.0197
1544	9.64	10	0.5326	0.6673	0.0186	1.2185	0.05	0.0189	-0.0383	0.0306
1545	10	10	0.5339	0.6678	0.0198	1.2215	0.0476	0.0167	-0.038	0.0263

1546	10	10	0.5329	0.6682	0.022	1.2231	0.0311	0.0117	-0.038	0.0048
1547	9.97	10	0.5326	0.6678	0.022	1.2225	0.0168	0.0045	-0.0363	-0.015
1548	9.5	10	0.5326	0.6679	0.0222	1.2227	0.0033	-0.0006	-0.0361	-0.0333
1549	9.92	10	0.5324	0.6677	0.0222	1.2224	0.0048	-0.0026	-0.036	-0.0338
1550	10.3	9.96	0.5326	0.6676	0.022	1.2221	0.0045	0.0035	-0.0392	-0.0311
1551	10.3	9.95	0.5325	0.6676	0.0217	1.2218	0.0164	0.002	-0.041	-0.0226
1552	10.3	9.92	0.5321	0.6667	0.022	1.2208	0.0254	0.0011	-0.0415	-0.015
1553	10.1	9.9	0.5313	0.6655	0.0223	1.2191	0.0294	-0.0051	-0.0422	-0.0178
1554	9.92	9.9	0.5313	0.6643	0.0224	1.218	0.0385	-0.0156	-0.0382	-0.0154
1555	9.91	9.85	0.5313	0.6642	0.0222	1.2177	0.0501	-0.0274	-0.0351	-0.0124
1556	9.58	9.81	0.5315	0.6646	0.0223	1.2184	0.0525	-0.0267	-0.0354	-0.0096
1557	9.99	9.8	0.5314	0.6641	0.0222	1.2177	0.0548	-0.0262	-0.0337	-0.0051
1558	10.1	9.79	0.5313	0.6637	0.0221	1.2171	0.0591	-0.024	-0.0322	0.003
1559	9.45	9.78	0.5313	0.6638	0.0221	1.2172	0.0615	-0.0101	-0.0298	0.0217
1560	9.68	9.77	0.5316	0.6643	0.0223	1.2182	0.0659	0.0018	-0.0282	0.0394
1561	9.77	9.76	0.5318	0.6642	0.0223	1.2183	0.0662	0.0143	-0.0288	0.0517
1562	9.67	9.75	0.5317	0.6649	0.0224	1.2189	0.0796	0.0059	-0.0272	0.0583
1563	9.59	9.72	0.5319	0.6652	0.0224	1.2195	0.0857	0.0156	-0.0289	0.0724
1564	9.19	9.72	0.5322	0.6653	0.0224	1.2199	0.0848	0.0027	-0.0309	0.0567
1565	9.23	9.73	0.532	0.6662	0.0223	1.2204	0.0822	-0.0009	-0.0273	0.054
1566	9.66	9.77	0.5315	0.666	0.0222	1.2197	0.0809	0.0048	-0.03	0.0558
1567	9.35	9.78	0.531	0.6657	0.0222	1.2189	0.0731	0.005	-0.0302	0.0479
1568	9.75	9.78	0.531	0.6653	0.0221	1.2184	0.0591	0.0129	-0.0317	0.0403
1569	10.1	9.8	0.5303	0.6653	0.0219	1.2174	0.0491	0.0089	-0.033	0.0251
1570	10.2	9.79	0.5296	0.665	0.022	1.2166	0.0539	0.0107	-0.032	0.0326
1571	10	9.81	0.5294	0.6652	0.022	1.2166	0.066	0.0188	-0.0294	0.0554
1572	9.58	9.84	0.5297	0.6659	0.022	1.2176	0.0728	0.0176	-0.0278	0.0626
1573	9.85	9.86	0.5301	0.6663	0.0222	1.2186	0.0692	0.0125	-0.0287	0.053
1574	10.2	9.92	0.5305	0.6658	0.0222	1.2185	0.0632	0.0141	-0.0284	0.0489
1575	10.3	9.94	0.5312	0.666	0.0222	1.2193	0.061	0.0188	-0.0265	0.0533
1576	10.2	9.97	0.5316	0.6662	0.0223	1.2202	0.0609	0.0162	-0.0241	0.053
1577	10.1	10	0.5318	0.6667	0.0222	1.2208	0.0533	0.023	-0.027	0.0494
1578	9.77	10	0.5329	0.6668	0.022	1.2217	0.051	0.0381	-0.0259	0.0632
1579	9.51	10	0.5338	0.6668	0.0221	1.2228	0.0536	0.0405	-0.0257	0.0684
1580	10.2	10	0.5343	0.6669	0.0222	1.2234	0.0512	0.0533	-0.026	0.0785
1581	10.2	10	0.5342	0.6665	0.0224	1.2231	0.0502	0.0578	-0.0318	0.0762
1582	10	10.1	0.534	0.6665	0.0227	1.2231	0.042	0.0544	-0.0341	0.0623

1583	10.2	10.1	0.5337	0.6666	0.0228	1.2232	0.0439	0.0564	-0.0328	0.0676
1584	9.6	10.1	0.5337	0.6657	0.0228	1.2222	0.0563	0.0518	-0.0312	0.0769
1585	10.3	10	0.5339	0.6663	0.0226	1.2228	0.0673	0.0432	-0.0317	0.0788
1586	9.96	10	0.534	0.6666	0.0225	1.2231	0.0723	0.0326	-0.0314	0.0735
1587	9.99	10	0.5333	0.667	0.0224	1.2227	0.0698	0.0249	-0.0302	0.0644
1588	10	10	0.533	0.6672	0.0224	1.2226	0.0707	0.0204	-0.0301	0.0611
1589	9.9	10.1	0.533	0.6679	0.0225	1.2234	0.0684	0.0218	-0.0308	0.0594
1590	10.8	10.1	0.533	0.6675	0.0226	1.223	0.0635	0.0288	-0.0309	0.0614
1591	10.2	10.1	0.5331	0.6672	0.0226	1.2229	0.0636	0.0327	-0.0348	0.0616
1592	9.88	10.1	0.5329	0.6673	0.0228	1.223	0.0552	0.0301	-0.0321	0.0531
1593	10	10.1	0.533	0.6669	0.0229	1.2229	0.0569	0.0406	-0.033	0.0646
1594	9.9	10.2	0.5334	0.6668	0.0229	1.2232	0.0518	0.0376	-0.0316	0.0577
1595	9.91	10.2	0.5346	0.6669	0.0229	1.2244	0.0541	0.0426	-0.0273	0.0694
1596	10.2	10.2	0.5356	0.6677	0.0228	1.2261	0.0645	0.046	-0.0148	0.0958
1597	10	10.3	0.5359	0.6682	0.0227	1.2268	0.0518	0.0481	0.0083	0.1082
1598	10.8	10.3	0.5359	0.6694	0.0227	1.228	0.0484	0.0449	0.0091	0.1024
1599	10.5	10.3	0.5356	0.6687	0.023	1.2273	0.0481	0.0474	0.0105	0.106
1600	10.5	10.3	0.5347	0.6685	0.0231	1.2262	0.0442	0.0465	0.0114	0.1022
1601	10.1	10.3	0.5341	0.6685	0.0231	1.2258	0.0434	0.0482	0.0074	0.0989
1602	10.2	10.3	0.5336	0.669	0.023	1.2257	0.0445	0.051	0.0042	0.0997
1603	10.5	10.4	0.533	0.6694	0.0228	1.2252	0.0419	0.0403	0.0107	0.093
1604	10.5	10.4	0.532	0.6696	0.0226	1.2242	0.0297	0.0365	0.0131	0.0793
1605	10.7	10.4	0.5313	0.6696	0.0226	1.2235	0.022	0.0229	0.0122	0.057
1606	10.7	10.4	0.5305	0.6699	0.0227	1.2231	0.0238	0.0247	0.0101	0.0586
1607	10.4	10.4	0.5299	0.6701	0.0224	1.2224	0.0171	0.0269	0.013	0.0569
1608	10.6	10.4	0.5294	0.6693	0.0223	1.221	0.0044	0.0211	0.0128	0.0383
1609	10.4	10.4	0.5291	0.6683	0.0222	1.2196	-0.0059	0.0278	0.0096	0.0315
1610	10.2	10.4	0.5292	0.6677	0.0223	1.2192	-0.0022	0.0354	0.0065	0.0397
1611	10.3	10.3	0.5281	0.6681	0.0221	1.2183	0.0124	0.0388	0.0045	0.0557
1612	10.5	10.3	0.5273	0.6674	0.0222	1.2169	0.0216	0.0388	0.0074	0.0678
1613	10.5	10.3	0.5271	0.6682	0.0225	1.2178	0.0198	0.044	0.01	0.0738
1614	10.1	10.2	0.5273	0.6685	0.022	1.2179	0.022	0.0401	0.0095	0.0716
1615	9.98	10.2	0.5277	0.6682	0.0223	1.2183	0.0266	0.0415	0.0101	0.0782
1616	10.5	10.1	0.5286	0.668	0.0223	1.219	0.025	0.0504	0.0084	0.0839
1617	10.4	10.1	0.53	0.6677	0.0224	1.2202	0.0169	0.0465	0.0084	0.0717
1618	10.4	10.1	0.5309	0.6679	0.0225	1.2213	0.0108	0.0416	0.0082	0.0606
1619	10.1	10	0.5307	0.6676	0.0225	1.2208	0.0076	0.035	0.0063	0.0489

1620	9.61	10	0.5299	0.6671	0.0223	1.2194	-0.0014	0.0259	-0.0013	0.0232
1621	9.55	9.96	0.5296	0.6674	0.0223	1.2193	-0.012	0.0171	-0.001	0.0041
1622	9.53	9.94	0.5295	0.6677	0.0224	1.2195	-0.015	0.0194	-0.004	0.0004
1623	9.9	9.92	0.5294	0.6674	0.0223	1.2191	-0.0157	0.0248	-0.0037	0.0054
1624	10.1	9.89	0.5293	0.6669	0.022	1.2182	-0.0139	0.028	-0.0014	0.0127
1625	9.75	9.87	0.5292	0.6668	0.0219	1.2179	-0.0136	0.0256	0.001	0.013
1626	9.45	9.85	0.5297	0.6668	0.022	1.2184	-0.0105	0.0253	0.0027	0.0176
1627	10.1	9.84	0.5298	0.6654	0.0217	1.2168	-0.0073	0.0245	0.0056	0.0228
1628	9.85	9.81	0.5294	0.6653	0.0218	1.2165	-0.0055	0.029	0.0035	0.027
1629	9.48	9.77	0.5295	0.6645	0.0221	1.216	0.0054	0.0294	0.0003	0.0351
1630	9.47	9.79	0.5292	0.664	0.0224	1.2156	0.013	0.0329	0.0003	0.0462
1631	10	9.8	0.5294	0.6642	0.0225	1.2161	0.0169	0.0343	0.0024	0.0536
1632	10.1	9.8	0.5293	0.6643	0.0224	1.216	0.0157	0.037	0.0038	0.0565
1633	9.56	9.79	0.5287	0.6643	0.0222	1.2153	0.0066	0.0363	0.0074	0.0503
1634	9.6	9.77	0.5283	0.6648	0.022	1.2151	0.0022	0.036	0.0098	0.0481
1635	10.1	9.77	0.5277	0.665	0.0218	1.2145	0.001	0.0271	0.011	0.0391
1636	10.3	9.81	0.5273	0.6651	0.0219	1.2142	-0.0008	0.0391	0.0109	0.0493
1637	9.78	9.81	0.5269	0.6649	0.0218	1.2137	0.0014	0.0413	0.0099	0.0526
1638	9.42	9.8	0.5265	0.665	0.0219	1.2134	-0.0122	0.0443	0.0088	0.0409
1639	9.83	9.81	0.5264	0.6646	0.022	1.213	-0.0268	0.0533	0.0088	0.0353
1640	9.78	9.82	0.5259	0.6643	0.0221	1.2122	-0.0283	0.0604	0.0106	0.0427
1641	9.64	9.82	0.5264	0.6642	0.0218	1.2123	-0.0262	0.0475	0.01	0.0312
1642	9.67	9.8	0.5262	0.6634	0.0218	1.2114	-0.0264	0.0408	0.01	0.0244
1643	9.61	9.82	0.5268	0.6634	0.0217	1.2119	-0.0263	0.0471	0.0116	0.0324
1644	9.86	9.85	0.5272	0.6631	0.0213	1.2116	-0.0238	0.0474	0.0149	0.0385
1645	10.2	9.82	0.5275	0.6632	0.0213	1.2119	-0.0203	0.0547	0.0139	0.0483
1646	10.1	9.8	0.5277	0.6634	0.0212	1.2123	-0.0083	0.058	0.0138	0.0634
1647	9.7	9.77	0.5278	0.6633	0.0211	1.2122	0.0033	0.0696	0.014	0.0869
1648	9.65	9.78	0.5278	0.6632	0.0212	1.2121	0.0059	0.0709	0.015	0.0917
1649	9.66	9.76	0.528	0.6631	0.0211	1.2122	0.005	0.0816	0.015	0.1016
1650	10.1	9.74	0.5282	0.6628	0.0213	1.2122	0.002	0.0744	0.014	0.0904
1651	9.71	9.76	0.528	0.6625	0.0213	1.2118	-0.0028	0.066	0.0149	0.078
1652	9.92	9.77	0.5279	0.6627	0.0209	1.2115	-0.0033	0.0729	0.0136	0.0832
1653	10.1	9.77	0.5284	0.6619	0.021	1.2112	-0.0063	0.0767	0.0104	0.0808
1654	9.63	9.77	0.5291	0.662	0.0212	1.2123	-0.0142	0.0766	0.0054	0.0678
1655	9.9	9.76	0.5289	0.6617	0.0212	1.2118	-0.0246	0.0789	0.004	0.0583
1656	9.15	9.75	0.5298	0.6619	0.021	1.2127	-0.0316	0.0809	0.0068	0.0561

1657	9.72	9.75	0.5309	0.662	0.0209	1.2139	-0.0413	0.083	0.0095	0.0512
1658	9.47	9.77	0.5319	0.6609	0.0211	1.214	-0.0413	0.079	0.0071	0.0449
1659	9.27	9.76	0.5316	0.6602	0.0215	1.2133	-0.0417	0.0705	0.008	0.0368
1660	10.1	9.73	0.5303	0.6605	0.0218	1.2126	-0.0475	0.062	0.009	0.0235
1661	9.99	9.73	0.5296	0.6603	0.0216	1.2115	-0.0465	0.0567	0.0098	0.02
1662	9.55	9.69	0.5297	0.6604	0.0214	1.2115	-0.0585	0.0551	0.0064	0.003
1663	9.73	9.64	0.5297	0.6612	0.0214	1.2123	-0.0649	0.0559	0.007	-0.0021
1664	10	9.64	0.5295	0.6612	0.0214	1.2121	-0.0699	0.0659	0.0118	0.0078
1665	9.89	9.63	0.5295	0.6611	0.0214	1.2121	-0.0685	0.0622	0.0074	0.0011
1666	9.82	9.64	0.5298	0.6614	0.0214	1.2125	-0.0621	0.0556	0.0113	0.0048
1667	9.99	9.63	0.5299	0.6615	0.0214	1.2128	-0.0482	0.0569	0.0135	0.0221
1668	9.47	9.65	0.5302	0.6618	0.0215	1.2135	-0.0289	0.0522	0.015	0.0383
1669	9.5	9.68	0.5304	0.6627	0.022	1.2151	-0.0188	0.0577	0.015	0.0539
1670	9.67	9.65	0.5308	0.6632	0.0221	1.2161	-0.0189	0.0567	0.015	0.0528
1671	9.27	9.63	0.5309	0.6633	0.0224	1.2166	-0.0246	0.0545	0.0145	0.0443
1672	9.1	9.63	0.5312	0.6635	0.0224	1.2171	-0.0303	0.0607	0.0146	0.0449
1673	9.6	9.64	0.5315	0.6635	0.0223	1.2173	-0.0339	0.0703	0.0117	0.048
1674	9.63	9.62	0.5318	0.6633	0.0221	1.2172	-0.0321	0.0752	0.0115	0.0545
1675	9.41	9.64	0.5322	0.6635	0.0219	1.2176	-0.0302	0.0705	0.012	0.0523
1676	9.62	9.6	0.5324	0.6637	0.0218	1.2179	-0.0291	0.0725	0.0129	0.0563
1677	9.83	9.6	0.5324	0.6639	0.0218	1.2181	-0.0262	0.0767	0.0149	0.0654
1678	9.73	9.61	0.5323	0.6639	0.022	1.2182	-0.0241	0.06	0.013	0.0489
1679	9.62	9.6	0.5325	0.6635	0.0221	1.2182	-0.026	0.0501	0.0128	0.037
1680	9.6	9.6	0.5326	0.6635	0.022	1.218	-0.0257	0.0404	0.0109	0.0255
1681	9.55	9.6	0.5327	0.6628	0.022	1.2175	-0.0228	0.0371	0.016	0.0303
1682	9.94	9.62	0.5334	0.6628	0.0219	1.2181	-0.0228	0.0373	0.0157	0.0303
1683	9.57	9.59	0.5335	0.663	0.0218	1.2183	-0.0275	0.0362	0.0146	0.0234
1684	10.2	9.58	0.5336	0.663	0.0217	1.2183	-0.0361	0.0314	0.0132	0.0084
1685	9.1	9.6	0.534	0.6624	0.0215	1.2178	-0.0445	0.0329	0.01	-0.0015
1686	9.97	9.59	0.5339	0.6625	0.0215	1.2178	-0.0504	0.0381	0.0053	-0.0071
1687	9.7	9.57	0.5345	0.6625	0.0215	1.2186	-0.0512	0.0439	0.003	-0.0042
1688	9.36	9.57	0.5357	0.6619	0.0215	1.2191	-0.0535	0.0442	0.003	-0.0063
1689	9.57	9.56	0.5358	0.6619	0.0214	1.2191	-0.0603	0.0379	0.0067	-0.0157
1690	9.39	9.58	0.5356	0.6627	0.0216	1.2199	-0.0677	0.0359	0.0072	-0.0246
1691	9.4	9.57	0.5357	0.6631	0.0216	1.2204	-0.0762	0.0342	0.0097	-0.0323
1692	9.1	9.56	0.5355	0.6625	0.0216	1.2197	-0.076	0.0359	0.009	-0.0311
1693	9.39	9.55	0.5354	0.6622	0.0214	1.219	-0.08	0.0324	0.008	-0.0396

1694	9.72	9.53	0.5355	0.6613	0.0215	1.2183	-0.0792	0.0425	0.0085	-0.0281
1695	9.5	9.55	0.5354	0.6611	0.0215	1.2181	-0.0812	0.0383	0.0035	-0.0393
1696	9.5	9.53	0.5352	0.6607	0.0214	1.2174	-0.0813	0.0407	0.001	-0.0396
1697	9.59	9.52	0.5353	0.6611	0.0212	1.2176	-0.0802	0.046	-0.0002	-0.0344
1698	9.43	9.51	0.5354	0.6612	0.0212	1.2178	-0.0827	0.0512	-0.0041	-0.0355
1699	10	9.5	0.5354	0.6613	0.0216	1.2183	-0.0794	0.0425	-0.0056	-0.0426
1700	9.44	9.49	0.5349	0.6619	0.0216	1.2184	-0.0745	0.0312	-0.0036	-0.0469
1701	9.67	9.49	0.5344	0.6613	0.0217	1.2174	-0.0729	0.023	-0.0003	-0.0501
1702	9.54	9.53	0.5343	0.6614	0.022	1.2176	-0.0733	0.0233	-0.0009	-0.0509
1703	9.75	9.52	0.5344	0.6618	0.0223	1.2185	-0.0749	0.0269	-0.0036	-0.0516
1704	9.45	9.52	0.5345	0.6617	0.0222	1.2184	-0.072	0.0206	-0.0017	-0.0532
1705	9.56	9.53	0.5344	0.6615	0.022	1.2179	-0.0659	0.0192	0.0007	-0.0459
1706	9.43	9.54	0.5346	0.6616	0.0217	1.218	-0.0644	0.011	0.001	-0.0524
1707	9.3	9.55	0.534	0.6621	0.0217	1.2179	-0.0486	0.0083	-0.0001	-0.0403
1708	9.34	9.58	0.5336	0.6622	0.0215	1.2173	-0.0325	0.0075	-0.0029	-0.0279
1709	9.29	9.57	0.5338	0.6622	0.0213	1.2173	-0.0198	-0.0024	0.0004	-0.0218
1710	9.29	9.6	0.5338	0.6621	0.0213	1.2172	-0.0169	-0.0135	0.0038	-0.0265
1711	9.9	9.64	0.534	0.6626	0.0215	1.218	-0.0257	-0.006	0.0077	-0.024
1712	9.2	9.66	0.5338	0.6618	0.0215	1.2171	-0.0314	-0.0107	0.0097	-0.0324
1713	9.76	9.67	0.5341	0.6616	0.0213	1.217	-0.0356	-0.0063	0.0077	-0.0342
1714	9.58	9.69	0.5342	0.6623	0.0213	1.2178	-0.0421	0.0045	0.0087	-0.0289
1715	9.74	9.7	0.5339	0.6627	0.0212	1.2178	-0.0499	0.0028	0.0055	-0.0416
1716	9.81	9.7	0.5334	0.6623	0.021	1.2168	-0.0494	0.0008	0.0017	-0.047
1717	10	9.72	0.5329	0.6625	0.0209	1.2163	-0.047	0.0029	-0.0008	-0.0448
1718	9.69	9.75	0.5328	0.6621	0.021	1.2159	-0.0513	0.0035	0.0022	-0.0456
1719	10.2	9.79	0.5326	0.6619	0.021	1.2155	-0.0514	0.0083	0.0048	-0.0383
1720	10.4	9.85	0.5324	0.6617	0.0208	1.2149	-0.0509	0.0227	0.0112	-0.017
1721	9.95	9.86	0.5326	0.6613	0.0209	1.2148	-0.0462	0.03	0.0104	-0.0059
1722	9.87	9.87	0.5329	0.6606	0.0212	1.2147	-0.044	0.0275	0.0121	-0.0044
1723	9.87	9.87	0.5326	0.6599	0.0211	1.2136	-0.0417	0.0368	0.013	0.008
1724	9.7	9.9	0.5323	0.6598	0.0208	1.2129	-0.0373	0.0353	0.0143	0.0124
1725	9.35	9.92	0.5321	0.6595	0.0206	1.2122	-0.0298	0.0313	0.0098	0.0112
1726	9.69	9.91	0.5323	0.6591	0.0205	1.2119	-0.0284	0.0362	0.0091	0.0169
1727	10.1	9.9	0.5322	0.6594	0.0204	1.212	-0.0301	0.0405	0.0086	0.0191
1728	10	9.92	0.532	0.6603	0.0205	1.2128	-0.0327	0.0453	0.008	0.0205
1729	10.4	9.9	0.532	0.6604	0.021	1.2134	-0.0325	0.0451	0.007	0.0196
1730	10	9.88	0.5315	0.6603	0.0208	1.2126	-0.0289	0.0381	0.0062	0.0153

1731	9.28	9.86	0.5316	0.6605	0.0209	1.213	-0.025	0.037	0.0031	0.015
1732	9.76	9.85	0.532	0.6607	0.0209	1.2137	-0.0211	0.0317	0.0017	0.0123
1733	10.3	9.82	0.5323	0.6612	0.0209	1.2144	-0.0158	0.0282	-0.0005	0.0119
1734	10.1	9.85	0.5327	0.6615	0.021	1.2153	-0.016	0.0281	-0.0012	0.0109
1735	9.56	9.89	0.5327	0.6612	0.0213	1.2152	-0.0173	0.0232	-0.0035	0.0024
1736	9.95	9.88	0.5324	0.6607	0.0216	1.2147	-0.0166	0.0144	-0.0068	-0.0091
1737	9.97	9.86	0.5323	0.6605	0.0215	1.2144	-0.022	0.0134	-0.0088	-0.0174
1738	9.85	9.84	0.5325	0.6612	0.0212	1.2149	-0.0156	0.0058	-0.0078	-0.0176
1739	9.9	9.77	0.5332	0.661	0.0213	1.2155	-0.0061	0.0021	-0.0137	-0.0177
1740	9.72	9.74	0.5335	0.6609	0.0211	1.2155	-0.0025	-0.0072	-0.012	-0.0216
1741	9.71	9.74	0.534	0.6606	0.0209	1.2155	-0.0006	-0.0015	-0.0102	-0.0123
1742	9.3	9.74	0.5342	0.6601	0.021	1.2153	0	0.0075	-0.0088	-0.0013
1743	10.1	9.73	0.5348	0.6592	0.0208	1.2147	-0.003	0.0036	-0.0079	-0.0073
1744	10.1	9.72	0.5354	0.6592	0.021	1.2155	-0.0094	0.002	-0.0121	-0.0196
1745	9.51	9.74	0.5356	0.6591	0.0212	1.2159	-0.0118	-0.0069	-0.0124	-0.0311
1746	9.7	9.72	0.5358	0.6587	0.0212	1.2157	-0.0101	-0.0105	-0.0101	-0.0307
1747	9.64	9.7	0.536	0.6582	0.0215	1.2158	-0.0107	-0.0147	-0.008	-0.0333
1748	9.25	9.68	0.5357	0.6589	0.0217	1.2164	-0.0094	-0.0117	-0.0082	-0.0293
1749	9.38	9.66	0.5355	0.6599	0.0215	1.2168	-0.0132	-0.013	-0.0095	-0.0356
1750	9.4	9.64	0.5355	0.6605	0.0213	1.2173	-0.021	-0.0118	-0.0076	-0.0405
1751	9.76	9.64	0.5354	0.6602	0.0214	1.2169	-0.0267	-0.0122	-0.0096	-0.0485
1752	10	9.67	0.5354	0.66	0.0213	1.2166	-0.0319	-0.0184	-0.0085	-0.0588
1753	9.89	9.64	0.5356	0.6598	0.0211	1.2165	-0.0342	-0.0175	-0.0058	-0.0575
1754	9.95	9.62	0.5357	0.6601	0.0211	1.2168	-0.0326	-0.0136	-0.0032	-0.0495
1755	9.43	9.61	0.5354	0.6606	0.0211	1.217	-0.0327	-0.0139	-0.0044	-0.0509
1756	9.69	9.59	0.5347	0.6611	0.021	1.2168	-0.0332	-0.0166	-0.0066	-0.0563
1757	9.45	9.59	0.5342	0.6612	0.0212	1.2167	-0.0318	-0.0156	-0.0089	-0.0563
1758	9.52	9.61	0.5339	0.6612	0.0211	1.2161	-0.0385	-0.01	-0.0094	-0.0579
1759	9.32	9.62	0.5333	0.6616	0.0211	1.2159	-0.0435	-0.009	-0.0118	-0.0642
1760	9.73	9.64	0.5329	0.661	0.0211	1.2151	-0.0415	-0.0102	-0.0138	-0.0654
1761	9.78	9.69	0.5327	0.6614	0.0206	1.2148	-0.042	-0.0112	-0.0142	-0.0674
1762	9.59	9.71	0.5332	0.6611	0.0206	1.2149	-0.0407	-0.0055	-0.0124	-0.0585
1763	9.74	9.73	0.5339	0.6608	0.0206	1.2152	-0.0431	-0.0146	-0.0123	-0.07
1764	9.26	9.72	0.5345	0.6609	0.0208	1.2162	-0.0402	-0.0172	-0.0147	-0.0721
1765	9.38	9.72	0.5344	0.6611	0.0213	1.2168	-0.0398	-0.009	-0.015	-0.0637
1766	9.61	9.72	0.5345	0.6611	0.0214	1.217	-0.0431	-0.0047	-0.0166	-0.0644
1767	9.59	9.76	0.535	0.6612	0.0212	1.2174	-0.0495	-0.0087	-0.0191	-0.0773

1768	9.61	9.76	0.5354	0.661	0.021	1.2173	-0.057	-0.0066	-0.0199	-0.0834
1769	9.85	9.77	0.5355	0.6604	0.0209	1.2168	-0.059	-0.0114	-0.0192	-0.0896
1770	10.6	9.78	0.5354	0.6603	0.0211	1.2167	-0.0616	-0.0144	-0.02	-0.096
1771	10.5	9.8	0.5353	0.6605	0.0212	1.217	-0.065	-0.0172	-0.0216	-0.1038
1772	10.2	9.81	0.5354	0.6598	0.0211	1.2163	-0.0634	-0.0222	-0.0218	-0.1074
1773	9.77	9.81	0.5352	0.66	0.0209	1.2161	-0.0607	-0.0314	-0.0173	-0.1094
1774	9.54	9.82	0.5348	0.6601	0.0211	1.216	-0.0648	-0.041	-0.019	-0.1248
1775	9.58	9.82	0.535	0.6598	0.021	1.2159	-0.0692	-0.0427	-0.0239	-0.1358
1776	10.2	9.8	0.5354	0.6597	0.0209	1.216	-0.073	-0.0476	-0.0262	-0.1468
1777	9.63	9.8	0.5357	0.6593	0.0211	1.2161	-0.0718	-0.054	-0.028	-0.1538
1778	9.54	9.79	0.5356	0.6594	0.0213	1.2162	-0.074	-0.051	-0.0298	-0.1548
1779	9.8	9.8	0.5354	0.6597	0.0215	1.2166	-0.0777	-0.039	-0.0284	-0.1451
1780	10.2	9.79	0.5351	0.6598	0.0216	1.2165	-0.0786	-0.0373	-0.0226	-0.1385
1781	9.79	9.74	0.5348	0.6597	0.0218	1.2163	-0.0871	-0.0398	-0.0251	-0.152
1782	9.7	9.73	0.535	0.66	0.022	1.2169	-0.0864	-0.0372	-0.0243	-0.148
1783	9.47	9.72	0.5351	0.6602	0.0219	1.2173	-0.0818	-0.0346	-0.0247	-0.1412
1784	9.36	9.72	0.5353	0.6606	0.0221	1.218	-0.0784	-0.0283	-0.025	-0.1318
1785	9.29	9.73	0.5357	0.6609	0.0222	1.2188	-0.0735	-0.0238	-0.024	-0.1212
1786	9.6	9.72	0.5361	0.6611	0.0224	1.2196	-0.0755	-0.029	-0.0194	-0.1239
1787	9.48	9.73	0.5361	0.6619	0.0223	1.2203	-0.081	-0.0374	-0.0159	-0.1342
1788	9.94	9.76	0.5363	0.6617	0.0229	1.2209	-0.0841	-0.0406	-0.0166	-0.1413
1789	10.4	9.76	0.536	0.6626	0.0226	1.2213	-0.0819	-0.03	-0.0222	-0.134
1790	9.66	9.73	0.5357	0.6629	0.0226	1.2211	-0.0726	-0.0333	-0.0216	-0.1275
1791	9.86	9.75	0.5357	0.6624	0.0225	1.2205	-0.0687	-0.0369	-0.0243	-0.1299
1792	9.7	9.77	0.5358	0.6622	0.0224	1.2205	-0.0613	-0.0426	-0.0283	-0.1322
1793	9.53	9.83	0.5363	0.662	0.0226	1.221	-0.0583	-0.051	-0.0273	-0.1367
1794	9.78	9.87	0.5367	0.662	0.0228	1.2214	-0.0499	-0.0687	-0.031	-0.1496
1795	9.96	9.82	0.5364	0.6622	0.0225	1.2211	-0.0402	-0.0686	-0.0291	-0.1378
1796	9.87	9.83	0.5363	0.6622	0.0222	1.2207	-0.0364	-0.0718	-0.0255	-0.1337
1797	10.1	9.89	0.5362	0.6623	0.022	1.2205	-0.0342	-0.0801	-0.0257	-0.14
1798	9.85	9.9	0.5367	0.6625	0.0221	1.2214	-0.0297	-0.0921	-0.0195	-0.1413
1799	9.6	9.84	0.5375	0.6625	0.0224	1.2223	-0.0359	-0.08	-0.0166	-0.1325
1800	10.1	10.1	0.5376	0.6631	0.0226	1.2233	-0.0421	-0.0617	-0.022	-0.1257