

Test Name	PLY, PIR, rep 1
Cladding	Plywood
Cladding Thickness [mm]	12
Insulation	Polyisocyanurate (PIR) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	1
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a Plywood cladding panel and a Polyisocyanurate (PIR) foam insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	At approximately 4 minutes the plywood panel began to touch the insulation panel, affecting the mass measurements. At approximately 6 minutes the plywood panel began to collapse, causing a sudden change in the mass measurements as debris fell into the debris tray, onto both load cells, or off the entire assembly.
Peak HRR [kW]	233
Time to Peak HRR [mins]	5.6
Residual HRR [kW]	3.29
Total HR [MJ]	76.9
Peak dQ/dt [kW/s]	1.01
Time to Peak dQ/dt [s]	4.68

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	-0.049	-0.049	3.9562	1.8582	-0.0015	5.8129	0.8656	0.4983	0.0316	1.3955
1	0.202	0.112	3.9541	1.8589	-0.0016	5.8114	0.8871	0.5083	0.0289	1.4242
2	0.184	0.265	3.9534	1.8589	-0.0014	5.8109	0.9054	0.5044	0.0283	1.4382
3	0.375	0.404	3.952	1.8582	-0.0016	5.8086	0.9337	0.5088	0.0288	1.4712
4	0.611	0.649	3.9509	1.8575	-0.0017	5.8067	0.9617	0.5021	0.0323	1.4962
5	0.678	1.18	3.95	1.8565	-0.002	5.8045	0.9796	0.4981	0.0341	1.5118
6	0.83	1.94	3.9493	1.8554	-0.0019	5.8027	0.9986	0.502	0.0355	1.5361
7	1.17	2.85	3.9489	1.8548	-0.0019	5.8018	1.0078	0.4996	0.0364	1.5438
8	1.84	3.81	3.9486	1.8544	-0.0017	5.8012	1.0149	0.4943	0.0357	1.5449
9	2.83	4.66	3.9478	1.8547	-0.0019	5.8007	1.0354	0.5059	0.0337	1.575
10	4.29	5.35	3.9478	1.8539	-0.0018	5.7998	1.0571	0.5084	0.0345	1.6
11	5.49	6.05	3.9475	1.8539	-0.0019	5.7995	1.0586	0.5079	0.039	1.6055
12	6.83	6.77	3.947	1.8533	-0.0018	5.7985	1.0713	0.517	0.0396	1.6279
13	7.79	7.49	3.9465	1.8529	-0.0019	5.7975	1.0931	0.5234	0.0373	1.6538
14	9.67	8.19	3.9464	1.8524	-0.0019	5.7969	1.1013	0.5257	0.0345	1.6614
15	10.6	8.88	3.9465	1.8518	-0.002	5.7964	1.1165	0.5196	0.0312	1.6673
16	11.4	9.62	3.9461	1.8513	-0.002	5.7954	1.134	0.5276	0.0299	1.6916
17	11.8	10.4	3.9453	1.8514	-0.0021	5.7946	1.1484	0.5334	0.0314	1.7132
18	12	11.1	3.9443	1.8508	-0.002	5.793	1.1697	0.538	0.0331	1.7408
19	13.1	11.8	3.9444	1.8508	-0.0021	5.7931	1.2101	0.5397	0.0354	1.7852
20	13.4	12.4	3.9437	1.8503	-0.0023	5.7916	1.2374	0.5506	0.038	1.8261
21	14	12.9	3.9428	1.8505	-0.0026	5.7906	1.2715	0.5542	0.0404	1.8661
22	14	13.4	3.9418	1.8501	-0.0028	5.7891	1.3237	0.5598	0.0383	1.9218
23	13.9	13.8	3.9408	1.8499	-0.0028	5.7879	1.3536	0.5676	0.037	1.9582
24	13.9	14.2	3.9392	1.8499	-0.0029	5.7862	1.3888	0.5658	0.037	1.9916
25	14.8	14.5	3.938	1.8494	-0.003	5.7844	1.421	0.5725	0.035	2.0285
26	15.7	14.8	3.9373	1.8496	-0.0029	5.7841	1.4531	0.5772	0.0324	2.0626
27	15.7	15.1	3.9359	1.8499	-0.0029	5.7829	1.4742	0.5759	0.0317	2.0817
28	15	15.3	3.9348	1.8493	-0.003	5.7812	1.4933	0.5694	0.0337	2.0963

29	15.9	15.4	3.9349	1.8496	-0.0031	5.7814	1.5306	0.5754	0.0349	2.1409
30	15.1	15.6	3.9354	1.849	-0.0032	5.7812	1.5538	0.5763	0.0359	2.166
31	16.1	15.7	3.9346	1.8488	-0.0034	5.78	1.5891	0.5787	0.0355	2.2033
32	16.9	15.8	3.9337	1.8482	-0.0034	5.7785	1.6231	0.5871	0.0357	2.2459
33	16	15.9	3.9328	1.8482	-0.0035	5.7775	1.634	0.5945	0.0386	2.2671
34	16.9	16	3.9315	1.8479	-0.0036	5.7759	1.6635	0.5944	0.0398	2.2977
35	16.8	16.1	3.9306	1.8472	-0.0033	5.7744	1.6901	0.5962	0.0414	2.3277
36	17.2	16.1	3.9299	1.8463	-0.0032	5.773	1.7151	0.5969	0.0435	2.3555
37	16.7	16.1	3.9294	1.8457	-0.0031	5.772	1.7419	0.601	0.0445	2.3873
38	15.6	16.2	3.929	1.8452	-0.0032	5.771	1.7588	0.6072	0.0448	2.4108
39	16.1	16.4	3.9282	1.8445	-0.0032	5.7695	1.7795	0.6171	0.0455	2.4422
40	15.3	16.6	3.9278	1.8435	-0.0031	5.7682	1.8133	0.6328	0.0463	2.4925
41	16.4	16.9	3.9273	1.8424	-0.0031	5.7666	1.834	0.6368	0.0448	2.5156
42	16.2	17.2	3.9264	1.8413	-0.0032	5.7645	1.8911	0.6411	0.0441	2.5763
43	16	17.6	3.9255	1.8403	-0.0032	5.7626	1.9276	0.643	0.0425	2.613
44	16	18	3.9239	1.8394	-0.0032	5.7602	1.9537	0.6505	0.0416	2.6458
45	15.8	18.4	3.9223	1.8382	-0.0031	5.7573	1.9894	0.6576	0.0423	2.6893
46	15.8	18.9	3.9202	1.8376	-0.0031	5.7547	2.0278	0.668	0.0424	2.7382
47	17.2	19.5	3.9175	1.8371	-0.0031	5.7516	2.0596	0.6729	0.0407	2.7731
48	19.2	20.3	3.9155	1.8362	-0.0029	5.7487	2.0792	0.6783	0.0388	2.7962
49	19.4	21.1	3.914	1.836	-0.0028	5.7472	2.1069	0.6867	0.0355	2.8292
50	21.7	22	3.912	1.835	-0.0027	5.7444	2.12	0.6859	0.0338	2.8397
51	21.8	22.8	3.9102	1.8347	-0.0027	5.7422	2.1655	0.6717	0.031	2.8682
52	23.7	23.6	3.9078	1.834	-0.0028	5.739	2.1831	0.6942	0.0301	2.9074
53	24.1	24.4	3.9053	1.8339	-0.003	5.7362	2.2318	0.7085	0.0306	2.9709
54	26.1	25.3	3.9034	1.8336	-0.0031	5.7339	2.2787	0.7107	0.0297	3.0191
55	26.7	26.1	3.9014	1.8328	-0.0032	5.731	2.3343	0.7094	0.0305	3.0742
56	26.8	26.9	3.8998	1.8325	-0.0033	5.729	2.3829	0.712	0.0289	3.1238
57	30.3	27.6	3.8984	1.8323	-0.0033	5.7274	2.423	0.7151	0.0287	3.1668
58	32.6	28.3	3.8962	1.8311	-0.0032	5.7241	2.4758	0.7223	0.0312	3.2292
59	32.6	28.8	3.8938	1.8305	-0.0033	5.721	2.5296	0.7289	0.0345	3.2931
60	31.3	29.2	3.8927	1.83	-0.0036	5.7191	2.5819	0.7439	0.0349	3.3607
61	30.3	29.7	3.8909	1.8289	-0.0037	5.7161	2.6502	0.7541	0.0359	3.4403
62	32.2	30	3.8884	1.828	-0.0036	5.7128	2.6895	0.7656	0.0363	3.4914
63	33.1	30.2	3.8868	1.8273	-0.0034	5.7107	2.7544	0.776	0.039	3.5693
64	31.4	30.4	3.8847	1.8272	-0.0033	5.7086	2.8175	0.7847	0.0387	3.6408
65	30.6	30.6	3.8824	1.8261	-0.0032	5.7054	2.889	0.7921	0.038	3.7192

66	31.1	30.9	3.8803	1.8252	-0.0033	5.7022	2.943	0.8037	0.0365	3.7832
67	31	31.1	3.8777	1.8244	-0.0035	5.6986	2.9994	0.8156	0.0344	3.8495
68	30.6	31.3	3.8738	1.8237	-0.0037	5.6938	3.0477	0.8334	0.0326	3.9136
69	28.7	31.5	3.8707	1.8224	-0.0039	5.6892	3.1045	0.8369	0.0313	3.9726
70	30.6	31.9	3.867	1.8216	-0.0041	5.6845	3.1737	0.8441	0.0318	4.0495
71	29.6	32.4	3.862	1.8207	-0.004	5.6786	3.2374	0.842	0.0328	4.1122
72	29	32.8	3.8585	1.8195	-0.0039	5.6741	3.3017	0.8498	0.0317	4.1832
73	29.7	33.3	3.8545	1.8191	-0.004	5.6696	3.3544	0.864	0.0292	4.2476
74	30.2	33.9	3.8507	1.818	-0.0039	5.6649	3.4187	0.8729	0.0296	4.3212
75	31.6	34.7	3.8468	1.8171	-0.0037	5.6602	3.4855	0.8911	0.0294	4.4059
76	34	35.6	3.8438	1.8166	-0.0037	5.6567	3.5548	0.8999	0.029	4.4837
77	36.7	36.6	3.8408	1.8166	-0.0039	5.6535	3.6088	0.9178	0.0288	4.5554
78	37	37.6	3.8364	1.8155	-0.004	5.6479	3.6723	0.9372	0.0269	4.6364
79	37.9	38.7	3.833	1.8149	-0.0041	5.6437	3.7356	0.9407	0.0236	4.6999
80	39.9	39.8	3.8286	1.8141	-0.0041	5.6385	3.8068	0.9549	0.0246	4.7863
81	41.4	41	3.8242	1.8128	-0.0042	5.6328	3.883	0.9612	0.0267	4.8709
82	42.5	42	3.8217	1.8116	-0.0044	5.6288	3.9679	0.9664	0.026	4.9603
83	42.6	43.2	3.8175	1.811	-0.0046	5.624	4.0324	0.978	0.0257	5.0361
84	45.3	44.2	3.8136	1.8103	-0.0047	5.6192	4.1109	0.9868	0.0244	5.122
85	48.3	45.3	3.8098	1.8096	-0.005	5.6144	4.1807	0.9992	0.0235	5.2033
86	50.6	46.2	3.8057	1.8087	-0.0051	5.6093	4.2541	1.0053	0.0261	5.2855
87	48.3	47.1	3.8025	1.8075	-0.0052	5.6049	4.3332	1.0138	0.0274	5.3744
88	49.2	47.8	3.7989	1.806	-0.0053	5.5997	4.4061	1.0205	0.0284	5.455
89	51.6	48.7	3.7941	1.804	-0.0054	5.5927	4.4854	1.0391	0.0289	5.5534
90	52.6	49.6	3.7904	1.803	-0.0053	5.5881	4.5593	1.0484	0.0272	5.6349
91	49.5	50.3	3.7833	1.802	-0.0053	5.58	4.6372	1.0558	0.03	5.723
92	51.7	51	3.778	1.8012	-0.0052	5.574	4.7067	1.058	0.0286	5.7933
93	49.7	52	3.7736	1.7998	-0.0051	5.5683	4.7988	1.0539	0.0254	5.8781
94	51.2	53	3.7683	1.7985	-0.0052	5.5615	4.8724	1.0546	0.023	5.95
95	52.2	54.2	3.7626	1.7968	-0.0053	5.5541	4.9434	1.0595	0.0231	6.026
96	52.8	55.2	3.7575	1.7957	-0.0052	5.548	5.0145	1.0653	0.022	6.1018
97	51.5	56.3	3.7535	1.7945	-0.005	5.543	5.0752	1.0711	0.021	6.1673
98	54.6	57.2	3.7487	1.793	-0.0047	5.5369	5.1248	1.0712	0.0203	6.2162
99	56	58.1	3.7453	1.7924	-0.0046	5.533	5.1779	1.0739	0.0217	6.2735
100	54.8	59.2	3.7396	1.791	-0.0046	5.526	5.2426	1.0812	0.0229	6.3468
101	57.1	60.2	3.7358	1.7895	-0.0046	5.5207	5.3037	1.0827	0.026	6.4123
102	61.8	61.5	3.7302	1.788	-0.0045	5.5138	5.3839	1.0901	0.025	6.4989

103	64.2	63	3.7241	1.7871	-0.0046	5.5066	5.4336	1.1004	0.0247	6.5587
104	69.8	64.4	3.7175	1.7865	-0.0048	5.4992	5.4975	1.1154	0.0235	6.6364
105	70.8	65.6	3.7117	1.7853	-0.0048	5.4921	5.57	1.1288	0.0222	6.721
106	67.8	67	3.707	1.7839	-0.0048	5.4861	5.6511	1.1354	0.0203	6.8068
107	67.3	68.2	3.7013	1.7826	-0.005	5.4789	5.7306	1.1449	0.0217	6.8972
108	68.4	69.1	3.6956	1.7815	-0.0052	5.4719	5.8282	1.1528	0.023	7.004
109	72.6	70.2	3.6896	1.7803	-0.0054	5.4646	5.8842	1.1509	0.0246	7.0597
110	70.3	71.5	3.6828	1.7784	-0.0054	5.4558	5.9467	1.1567	0.0272	7.1306
111	75.8	72.4	3.6786	1.7773	-0.0055	5.4504	6.0243	1.1675	0.0267	7.2185
112	77.5	73.1	3.6715	1.7757	-0.0057	5.4415	6.0994	1.1724	0.0242	7.296
113	77.3	73.9	3.6648	1.7744	-0.0058	5.4335	6.152	1.1692	0.0251	7.3463
114	76.4	74.6	3.6575	1.7731	-0.0057	5.425	6.2219	1.1751	0.0249	7.4218
115	78.3	75.1	3.6522	1.7714	-0.0056	5.418	6.2769	1.193	0.0273	7.4972
116	75.2	76	3.6462	1.7698	-0.0054	5.4105	6.3572	1.1978	0.0268	7.5818
117	72.1	77	3.6405	1.7681	-0.0053	5.4033	6.4523	1.2053	0.0244	7.6819
118	76	77.9	3.6338	1.7671	-0.0051	5.3958	6.5038	1.2098	0.0223	7.7359
119	80.3	78.5	3.627	1.7664	-0.0053	5.3882	6.5651	1.2087	0.0203	7.7941
120	72.7	79.6	3.6199	1.7661	-0.0056	5.3804	6.6225	1.2088	0.0181	7.8494
121	76.6	80.3	3.6126	1.7655	-0.0058	5.3723	6.6723	1.223	0.0167	7.9121
122	79.6	80.9	3.6064	1.7637	-0.0057	5.3643	6.7312	1.2359	0.0182	7.9853
123	81.4	81.9	3.599	1.7626	-0.0058	5.3558	6.7811	1.2359	0.0187	8.0357
124	81.9	82.6	3.5907	1.7608	-0.0058	5.3456	6.8319	1.2472	0.0213	8.1004
125	84.4	83.2	3.5825	1.7595	-0.0059	5.3361	6.9066	1.2587	0.0246	8.1898
126	85.1	83.9	3.5764	1.7579	-0.0057	5.3285	6.9539	1.2617	0.0271	8.2428
127	86.5	85.1	3.5687	1.7562	-0.0056	5.3193	7.021	1.2731	0.0273	8.3215
128	84	86.4	3.5613	1.7553	-0.0054	5.3112	7.098	1.2889	0.0251	8.412
129	90.8	87.2	3.5542	1.7541	-0.0056	5.3028	7.1436	1.2883	0.0236	8.4555
130	89.2	88.4	3.5471	1.7529	-0.0059	5.2941	7.1998	1.2902	0.0236	8.5136
131	88.5	89.5	3.5378	1.7522	-0.006	5.284	7.244	1.2923	0.0247	8.561
132	96	90.4	3.5305	1.7504	-0.006	5.2749	7.3024	1.2993	0.023	8.6246
133	91.3	91.3	3.5217	1.7496	-0.006	5.2653	7.3765	1.3038	0.0197	8.7
134	88.2	92.2	3.5134	1.748	-0.0059	5.2555	7.4603	1.3141	0.0183	8.7927
135	88.8	93	3.5052	1.7466	-0.0059	5.2459	7.508	1.3217	0.0197	8.8494
136	95.3	94.1	3.4966	1.7449	-0.0059	5.2356	7.5705	1.3222	0.021	8.9137
137	101	95.1	3.4888	1.7436	-0.006	5.2264	7.6337	1.3208	0.0243	8.9788
138	96	96.3	3.4804	1.7413	-0.0061	5.2156	7.7109	1.3331	0.0273	9.0712
139	96	97.1	3.4723	1.7397	-0.0059	5.2061	7.7902	1.3332	0.0258	9.1492

140	96.9	98.3	3.4641	1.7379	-0.0061	5.1959	7.8458	1.3231	0.023	9.1919
141	96.2	99.5	3.4567	1.7366	-0.006	5.1873	7.9379	1.332	0.0217	9.2917
142	99	101	3.4466	1.7359	-0.0057	5.1767	7.9725	1.3334	0.0211	9.3271
143	98	101	3.4383	1.7348	-0.0055	5.1676	8.0304	1.3313	0.0189	9.3806
144	101	103	3.4296	1.7335	-0.0055	5.1576	8.1118	1.3288	0.0196	9.4602
145	104	104	3.4208	1.7317	-0.0053	5.1472	8.1553	1.3225	0.0216	9.4994
146	107	105	3.4127	1.7305	-0.0052	5.138	8.2051	1.3129	0.0197	9.5377
147	106	106	3.4051	1.73	-0.0051	5.1299	8.2927	1.3195	0.0185	9.6307
148	107	107	3.3977	1.7288	-0.0051	5.1214	8.3585	1.3188	0.0207	9.698
149	112	108	3.3897	1.7279	-0.0051	5.1126	8.4517	1.3149	0.024	9.7905
150	111	109	3.3817	1.7268	-0.0053	5.1031	8.539	1.3247	0.0289	9.8927
151	115	110	3.3718	1.7257	-0.0052	5.0923	8.5886	1.3237	0.0326	9.9449
152	107	111	3.3644	1.724	-0.0052	5.0832	8.6835	1.319	0.0332	10.0357
153	111	112	3.3556	1.7223	-0.0053	5.0726	8.7332	1.3262	0.0332	10.0926
154	115	113	3.3464	1.7207	-0.0053	5.0618	8.791	1.3293	0.0306	10.1509
155	116	114	3.3362	1.7193	-0.0052	5.0503	8.8541	1.3367	0.0252	10.216
156	118	114	3.3268	1.718	-0.0055	5.0393	8.9448	1.3338	0.0255	10.3042
157	120	115	3.3156	1.717	-0.0056	5.027	8.9937	1.3252	0.0262	10.3451
158	117	116	3.3078	1.716	-0.0057	5.0181	9.0531	1.3135	0.0254	10.392
159	114	116	3.2992	1.7148	-0.006	5.008	9.1187	1.3224	0.0266	10.4677
160	117	116	3.2903	1.7132	-0.0063	4.9972	9.1881	1.3213	0.0294	10.5389
161	120	116	3.2809	1.7117	-0.0061	4.9865	9.2439	1.3095	0.0331	10.5865
162	119	117	3.2732	1.7111	-0.0061	4.9782	9.3173	1.3224	0.0348	10.6744
163	116	118	3.2646	1.7098	-0.0059	4.9685	9.3607	1.3351	0.0368	10.7326
164	116	118	3.257	1.7079	-0.006	4.9589	9.4259	1.3432	0.0373	10.8065
165	117	119	3.2467	1.7064	-0.0059	4.9472	9.4873	1.3435	0.0415	10.8723
166	116	119	3.2351	1.7047	-0.0058	4.934	9.5449	1.3489	0.0458	10.9397
167	119	120	3.2273	1.7034	-0.0057	4.925	9.6159	1.3585	0.0462	11.0207
168	116	120	3.2173	1.7029	-0.0057	4.9144	9.7092	1.3665	0.0407	11.1164
169	117	121	3.2084	1.7015	-0.0057	4.9042	9.7751	1.3742	0.0361	11.1854
170	120	121	3.1998	1.6993	-0.0058	4.8933	9.8092	1.3787	0.0339	11.2218
171	120	122	3.1888	1.6971	-0.0058	4.8801	9.856	1.3878	0.0331	11.2769
172	125	122	3.1804	1.6959	-0.0058	4.8705	9.9263	1.3908	0.0318	11.3488
173	123	123	3.1713	1.6944	-0.0061	4.8596	9.9939	1.3912	0.0266	11.4117
174	122	124	3.16	1.6922	-0.0063	4.8459	10.0316	1.4068	0.0176	11.4561
175	133	125	3.1515	1.6909	-0.0064	4.836	10.0797	1.4	0.0096	11.4894
176	127	125	3.1417	1.6893	-0.0064	4.8246	10.1069	1.3889	0.0075	11.5033

177	127	125	3.131	1.6877	-0.0064	4.8123	10.1849	1.3969	0.0086	11.5903
178	129	126	3.122	1.6867	-0.0063	4.8023	10.2329	1.3865	0.0123	11.6317
179	123	126	3.113	1.6858	-0.0065	4.7924	10.2849	1.3938	0.0156	11.6942
180	124	126	3.1042	1.6849	-0.0066	4.7824	10.3508	1.3897	0.0153	11.7558
181	130	126	3.0939	1.6829	-0.0064	4.7704	10.3972	1.3902	0.017	11.8043
182	133	127	3.084	1.6812	-0.0064	4.7588	10.4437	1.3845	0.0208	11.849
183	132	127	3.0715	1.6796	-0.0064	4.7447	10.5038	1.3722	0.0234	11.8995
184	130	127	3.0628	1.6781	-0.0067	4.7342	10.5354	1.4072	0.0173	11.9599
185	126	127	3.0527	1.6774	-0.0071	4.7231	10.5756	1.4339	0.0067	12.0162
186	124	127	3.0424	1.6766	-0.0075	4.7114	10.6106	1.4327	-0.0033	12.0399
187	128	127	3.0314	1.6742	-0.0079	4.6977	10.6734	1.419	-0.0071	12.0853
188	122	127	3.0199	1.6727	-0.0079	4.6847	10.7539	1.3797	-0.0058	12.1278
189	123	128	3.0095	1.6717	-0.0077	4.6735	10.769	1.3667	-0.0018	12.1339
190	122	128	2.9966	1.6698	-0.0075	4.6589	10.7958	1.4296	0.0007	12.2261
191	128	128	2.986	1.6686	-0.0074	4.6473	10.7379	1.4916	-0.002	12.2276
192	124	128	2.975	1.668	-0.0071	4.6359	10.7511	1.5374	-0.0017	12.2867
193	130	128	2.9624	1.6669	-0.0071	4.6223	10.7903	1.562	-0.0018	12.3504
194	129	129	2.9527	1.6662	-0.0074	4.6116	10.8229	1.5746	0.001	12.3984
195	131	129	2.9421	1.6656	-0.0073	4.6004	10.8463	1.5882	0.003	12.4374
196	128	130	2.9282	1.6637	-0.007	4.5849	10.8628	1.604	0.0071	12.4738
197	129	131	2.9177	1.6626	-0.0071	4.5732	10.8795	1.6424	0.0168	12.5388
198	134	132	2.9035	1.6615	-0.0071	4.5579	10.9409	1.6476	0.0206	12.6091
199	130	133	2.8914	1.6599	-0.0075	4.5438	11.0112	1.6336	0.022	12.6668
200	130	135	2.8808	1.6586	-0.0079	4.5315	11.0091	1.7074	0.0251	12.7416
201	136	136	2.8675	1.6576	-0.0079	4.5171	11.0788	1.7219	0.0239	12.8246
202	136	137	2.8569	1.6554	-0.0078	4.5045	11.1349	1.6789	0.0232	12.837
203	133	138	2.845	1.6542	-0.0076	4.4916	11.1899	1.6809	0.0219	12.8927
204	137	139	2.8321	1.6529	-0.0073	4.4776	11.2053	1.6967	0.0227	12.9248
205	136	140	2.8172	1.6519	-0.0074	4.4617	11.246	1.712	0.0206	12.9786
206	145	141	2.8076	1.6513	-0.0074	4.4515	11.2591	1.7103	0.0183	12.9877
207	147	142	2.796	1.6512	-0.0076	4.4397	11.5239	1.5555	0.0116	13.091
208	144	143	2.7837	1.6493	-0.0078	4.4252	11.61	1.4872	-0.0414	13.0559
209	149	145	2.7708	1.6482	-0.0083	4.4107	11.6479	1.519	-0.0509	13.116
210	153	146	2.7584	1.6475	-0.0087	4.3972	11.6676	1.5329	-0.0592	13.1413
211	154	147	2.7468	1.6451	-0.009	4.3829	11.7596	1.4895	-0.0625	13.1866
212	144	148	2.7355	1.6422	-0.0094	4.3683	11.7923	1.4822	-0.0588	13.2157
213	143	149	2.7222	1.6401	-0.0095	4.3528	11.8637	1.4577	-0.0575	13.264

214	149	150	2.7088	1.6388	-0.0099	4.3378	11.9397	1.4545	-0.0536	13.3406
215	151	152	2.6977	1.6366	-0.0102	4.3241	11.9825	1.4592	-0.0518	13.3899
216	149	152	2.6846	1.6339	-0.0101	4.3084	11.9956	1.4638	-0.0496	13.4098
217	156	153	2.6696	1.6314	-0.0094	4.2916	12.0146	1.4662	-0.0443	13.4365
218	159	154	2.6563	1.6297	-0.0088	4.2772	12.0534	1.4744	-0.0436	13.4842
219	153	154	2.6461	1.6286	-0.0087	4.266	12.0836	1.4933	-0.0422	13.5347
220	156	154	2.6343	1.6273	-0.0089	4.2527	12.1298	1.4994	-0.0459	13.5833
221	155	154	2.62	1.6264	-0.009	4.2374	12.2009	1.4918	-0.052	13.6407
222	158	155	2.607	1.6245	-0.0084	4.2232	12.2353	1.4725	-0.0567	13.6511
223	160	155	2.5958	1.622	-0.0076	4.2102	12.2691	1.4701	-0.0608	13.6785
224	161	156	2.5827	1.6208	-0.0068	4.1967	12.3211	1.4711	-0.0656	13.7266
225	159	156	2.5718	1.6206	-0.0066	4.1857	12.3425	1.4698	-0.0675	13.7447
226	154	157	2.5579	1.6182	-0.0066	4.1695	12.4075	1.4683	-0.0701	13.8057
227	156	158	2.5454	1.6175	-0.0068	4.1561	12.4592	1.4631	-0.0864	13.8359
228	156	159	2.5328	1.6159	-0.0069	4.1418	12.4886	1.4618	-0.0989	13.8516
229	160	161	2.5191	1.6152	-0.0071	4.1272	12.5509	1.4621	-0.0923	13.9207
230	153	162	2.5073	1.6139	-0.0076	4.1137	12.6159	1.4663	-0.0857	13.9965
231	152	163	2.4934	1.6137	-0.0081	4.0991	12.6654	1.4807	-0.0802	14.0658
232	156	163	2.4801	1.6132	-0.0083	4.0849	12.7104	1.4874	-0.0765	14.1213
233	154	164	2.4681	1.6089	-0.0077	4.0693	12.7522	1.4962	-0.076	14.1724
234	161	165	2.4559	1.6046	-0.0066	4.0539	12.7327	1.512	-0.0766	14.1682
235	172	165	2.4441	1.6034	-0.0056	4.0419	12.7829	1.5351	-0.083	14.235
236	175	166	2.4293	1.603	-0.0052	4.0271	12.8294	1.5293	-0.0897	14.2689
237	179	167	2.4134	1.6056	-0.0054	4.0137	12.8861	1.5212	-0.0948	14.3125
238	182	168	2.4035	1.6046	-0.0059	4.0023	12.9193	1.5069	-0.0942	14.332
239	171	169	2.3927	1.5967	-0.006	3.9834	12.9825	1.4976	-0.0916	14.3886
240	172	171	2.3903	1.5888	-0.0059	3.9731	13.0108	1.5033	-0.0847	14.4293
241	172	173	2.3816	1.5828	-0.0058	3.9586	13.0175	1.498	-0.0782	14.4373
242	174	175	2.3675	1.5797	-0.0056	3.9416	13.0611	1.5279	-0.0742	14.5148
243	169	177	2.356	1.5774	-0.0056	3.9277	13.1003	1.5528	-0.0641	14.589
244	173	178	2.3449	1.5746	-0.0058	3.9138	13.109	1.5838	-0.0817	14.6111
245	168	179	2.3345	1.5713	-0.006	3.8998	13.1331	1.5881	-0.0836	14.6376
246	174	180	2.3248	1.5663	-0.0069	3.8841	13.1727	1.6001	-0.0866	14.6862
247	183	181	2.311	1.5652	-0.0072	3.869	13.1847	1.5885	-0.0898	14.6833
248	180	181	2.2965	1.5654	-0.0073	3.8547	13.2262	1.5721	-0.091	14.7074
249	183	182	2.2888	1.5572	-0.0076	3.8384	13.2166	1.5726	-0.09	14.6992
250	192	183	2.2738	1.5546	-0.0077	3.8207	13.2731	1.5683	-0.0947	14.7467

251	197	184	2.2583	1.5578	-0.0075	3.8086	13.2965	1.5765	-0.097	14.7759
252	190	184	2.2454	1.5559	-0.0074	3.7939	13.2902	1.579	-0.0952	14.774
253	185	185	2.2351	1.5526	-0.0076	3.7801	13.3371	1.5666	-0.0932	14.8105
254	189	186	2.2218	1.5495	-0.0074	3.7639	13.3573	1.6108	-0.0947	14.8734
255	191	186	2.2103	1.5483	-0.0071	3.7515	13.3332	1.6101	-0.0976	14.8457
256	192	187	2.1744	1.5624	-0.0066	3.7302	13.3231	1.6195	-0.1021	14.8406
257	190	187	2.1546	1.5683	-0.0015	3.7214	13.3781	1.6317	-0.1048	14.905
258	184	187	2.143	1.5641	-0.0006	3.7065	13.417	1.6358	-0.1046	14.9482
259	196	187	2.1324	1.5615	-0.0001	3.6938	13.43	1.6272	-0.1059	14.9513
260	188	187	2.1143	1.5643	0	3.6786	13.4317	1.6353	-0.1109	14.9561
261	183	186	2.1017	1.5634	-0.0002	3.6649	13.5028	1.6516	-0.1136	15.0407
262	179	186	2.0868	1.5653	-0.0003	3.6518	13.5134	1.6408	-0.1159	15.0382
263	182	186	2.0706	1.5644	-0.0006	3.6344	13.5306	1.6283	-0.1209	15.038
264	184	187	2.0588	1.562	-0.0008	3.6199	13.5481	1.63	-0.1241	15.054
265	183	187	2.0471	1.56	-0.0009	3.6062	13.5647	1.628	-0.1299	15.0628
266	178	187	2.0336	1.5581	-0.0013	3.5904	13.5766	1.6247	-0.1347	15.0667
267	190	187	2.022	1.556	-0.0013	3.5766	13.5943	1.6112	-0.13	15.0755
268	184	188	2.0089	1.5535	-0.0015	3.561	13.5816	1.6048	-0.1274	15.059
269	183	188	1.9954	1.5516	-0.0011	3.5459	13.6131	1.6244	-0.1276	15.1098
270	183	188	1.9797	1.5501	-0.0006	3.5292	13.656	1.6331	-0.1268	15.1623
271	189	190	1.9653	1.5498	-0.0001	3.515	13.7134	1.612	-0.1231	15.2023
272	192	192	1.9534	1.5489	0.0003	3.5026	13.7059	1.6244	-0.1138	15.2165
273	196	193	1.9392	1.5473	0.0005	3.4869	13.8703	1.6215	-0.2722	15.2196
274	194	195	1.9258	1.5452	0.0004	3.4714	13.9028	1.6028	-0.2896	15.2161
275	195	196	1.9107	1.5441	0.0006	3.4554	13.8954	1.6233	-0.2818	15.2369
276	193	198	1.8957	1.543	0.0022	3.441	13.8956	1.6287	-0.2775	15.2467
277	197	199	1.8821	1.5415	0.0035	3.4271	13.8942	1.6296	-0.2755	15.2483
278	198	200	1.8669	1.5405	0.0029	3.4103	13.9103	1.625	-0.2794	15.2559
279	196	202	1.8514	1.5392	0.0021	3.3927	13.9156	1.6206	-0.2774	15.2588
280	213	204	1.8376	1.5368	0.0015	3.3759	13.9143	1.6433	-0.2808	15.2767
281	215	204	1.8229	1.5342	0.0012	3.3583	13.9625	1.6604	-0.3024	15.3205
282	211	206	1.8088	1.5316	0.0012	3.3416	13.9562	1.6758	-0.3175	15.3145
283	209	207	1.7982	1.5284	0.0013	3.3279	13.9481	1.703	-0.3147	15.3364
284	211	208	1.7845	1.5246	0.0016	3.3107	13.9628	1.6661	-0.3052	15.3237
285	210	209	1.7698	1.5245	0.0019	3.2962	13.9434	1.6515	-0.2957	15.2992
286	206	210	1.7537	1.5245	0.002	3.2802	13.9751	1.6639	-0.2861	15.3528
287	212	211	1.7395	1.5235	0.0015	3.2645	13.9351	1.6741	-0.2823	15.3269

288	222	212	1.7216	1.523	0.0013	3.2459	13.8999	1.7161	-0.2842	15.3318
289	212	213	1.7084	1.5214	0.0008	3.2306	13.9235	1.7236	-0.2909	15.3562
290	202	213	1.6948	1.52	0.0003	3.2152	13.9312	1.6772	-0.2918	15.3166
291	219	213	1.6799	1.5158	0	3.1958	14.0261	1.62	-0.2906	15.3555
292	215	214	1.6649	1.5128	-0.0007	3.177	14.0574	1.5863	-0.2887	15.355
293	217	215	1.6515	1.5086	0.0011	3.1612	14.0329	1.5578	-0.284	15.3067
294	215	215	1.6394	1.5074	0.001	3.1478	13.9883	1.5808	-0.2849	15.2842
295	209	215	1.6248	1.5055	0.0014	3.1318	14.0368	1.5589	-0.2886	15.3071
296	219	216	1.6098	1.5049	0.002	3.1166	14.0609	1.5343	-0.2921	15.3032
297	215	217	1.595	1.5054	0.002	3.1024	14.1433	1.4608	-0.3008	15.3033
298	213	217	1.5819	1.5042	0.0019	3.088	14.0801	1.4546	-0.3033	15.2313
299	216	217	1.5641	1.5031	0.002	3.0691	14.0467	1.4825	-0.3026	15.2266
300	221	218	1.5511	1.501	0.0018	3.0539	14.0784	1.4299	-0.3046	15.2038
301	223	218	1.5385	1.4997	0.0016	3.0397	14.0307	1.4232	-0.3037	15.1503
302	223	218	1.5232	1.4988	0.0015	3.0234	13.9968	1.4608	-0.2999	15.1578
303	216	219	1.5093	1.4931	0.0018	3.0042	13.9841	1.4518	-0.2966	15.1393
304	219	219	1.4987	1.4919	0.0025	2.9931	13.9755	1.4431	-0.2929	15.1256
305	219	219	1.4849	1.4899	0.0028	2.9776	13.9918	1.4475	-0.2823	15.157
306	220	220	1.4698	1.4882	0.0031	2.961	14.0867	1.3751	-0.3408	15.1211
307	222	220	1.4543	1.4877	0.0029	2.9449	13.948	1.5729	-0.338	15.1828
308	218	221	1.4407	1.4866	0.0027	2.93	14.6542	1.6751	-0.3836	15.9457
309	219	221	1.4277	1.4847	0.0028	2.9151	14.4153	1.6192	-0.6908	15.3436
310	227	221	1.4081	1.4823	0.0027	2.8931	14.4399	1.6712	-0.6908	15.4203
311	221	221	1.3955	1.481	0.0026	2.8791	14.3395	1.7003	-0.6942	15.3456
312	219	222	1.3824	1.4794	0.0027	2.8645	14.294	1.7132	-0.701	15.3061
313	222	223	1.3674	1.4771	0.0029	2.8474	14.2216	1.7457	-0.7005	15.2669
314	220	224	1.3523	1.476	0.0031	2.8315	14.1224	1.7516	-0.6983	15.1756
315	221	225	1.34	1.4741	0.0033	2.8174	14.0895	1.7476	-0.6918	15.1453
316	221	226	1.3252	1.4728	0.0029	2.8009	14.0268	1.7352	-0.6841	15.0778
317	227	227	1.3115	1.4709	0.0033	2.7857	13.9771	1.7103	-0.6843	15.0031
318	228	228	1.295	1.4672	0.004	2.7662	13.909	1.7177	-0.6849	14.9417
319	219	229	1.2805	1.4653	0.004	2.7498	13.821	1.6924	-0.6915	14.8219
320	228	230	1.263	1.4661	0.0034	2.7325	13.7403	1.6625	-0.6856	14.7172
321	232	231	1.2494	1.464	0.0024	2.7158	13.6485	1.6297	-0.6787	14.5995
322	233	233	1.22	1.4624	0.0188	2.7012	13.5723	1.633	-0.6775	14.5278
323	238	234	1.2055	1.4617	0.0214	2.6886	13.5148	1.6412	-0.6759	14.4801
324	246	236	1.1932	1.4584	0.0214	2.673	13.4351	1.6394	-0.6721	14.4024

325	234	237	1.1822	1.4577	0.0212	2.6611	13.861	1.6439	-0.669	14.8358
326	243	238	1.1685	1.4552	0.021	2.6447	14.4259	1.6412	-1.5729	14.4943
327	230	239	1.1544	1.455	0.0211	2.6305	14.577	1.6597	-1.9673	14.2693
328	240	239	1.1412	1.4538	0.0208	2.6159	14.396	1.6511	-1.9158	14.1313
329	246	240	1.1277	1.4508	0.021	2.5995	14.221	1.6365	-1.9034	13.9541
330	247	241	1.1111	1.4479	0.0227	2.5816	14.0647	1.6075	-1.874	13.7982
331	242	241	1.0978	1.4462	0.0237	2.5676	13.9061	1.5841	-1.8419	13.6483
332	255	242	1.0853	1.4429	0.0231	2.5513	14.0019	1.5742	-2.0969	13.4793
333	246	242	1.0718	1.4422	0.0228	2.5369	14.1206	1.5838	-2.3543	13.3501
334	238	242	1.0615	1.4395	0.023	2.524	14.0173	1.5694	-2.3332	13.2536
335	251	242	1.0466	1.437	0.023	2.5066	13.8954	1.5373	-2.3143	13.1184
336	243	242	1.0358	1.4356	0.023	2.4944	13.7508	1.5654	-2.3016	13.0146
337	238	242	1.0234	1.434	0.023	2.4805	13.5791	1.5749	-2.2759	12.8782
338	236	241	1.0112	1.4323	0.0232	2.4666	13.4432	1.5699	-2.2762	12.7369
339	239	241	0.9996	1.429	0.0232	2.4518	13.3055	1.5666	-2.2887	12.5833
340	242	240	0.9877	1.4268	0.0232	2.4376	13.1882	1.5654	-2.2812	12.4724
341	240	239	0.9758	1.4242	0.0231	2.4231	13.0722	1.5558	-2.2707	12.3573
342	241	237	0.9642	1.4239	0.0228	2.411	12.9348	1.5043	-2.2578	12.1813
343	238	236	0.9572	1.4193	0.0229	2.3993	12.7933	1.4833	-2.257	12.0196
344	239	235	0.9413	1.4188	0.0231	2.3831	12.6822	1.4535	-2.2469	11.8889
345	242	234	0.9284	1.4178	0.0232	2.3694	12.5875	1.4592	-2.2505	11.7962
346	232	233	0.9104	1.4202	0.0232	2.3538	12.4548	1.4278	-2.2283	11.6542
347	233	232	0.903	1.4198	0.0231	2.3459	12.3589	1.4154	-2.2224	11.552
348	232	231	0.8919	1.4172	0.023	2.332	12.248	1.4153	-2.2362	11.4271
349	227	229	0.881	1.4142	0.0229	2.318	13.3921	1.4096	-3.7466	11.055
350	226	228	0.8707	1.4123	0.0227	2.3056	13.687	1.1132	-3.4135	11.3867
351	227	227	0.8586	1.4117	0.0225	2.2929	13.4805	1.0756	-3.2939	11.2622
352	218	226	0.847	1.4107	0.0222	2.28	13.3628	1.0746	-3.2621	11.1754
353	228	224	0.8375	1.4083	0.0217	2.2675	13.2332	1.0833	-3.2436	11.073
354	229	223	0.8226	1.4047	0.0208	2.2482	13.0932	1.0028	-3.1957	10.9003
355	224	222	0.8017	1.4108	0.027	2.2394	12.9903	1.0024	-3.178	10.8147
356	218	220	0.7796	1.4052	0.0272	2.2119	12.853	1.0049	-3.1791	10.6788
357	212	219	0.6892	1.4008	0.0369	2.1269	12.717	0.9969	-3.1891	10.5247
358	210	218	0.7014	1.4022	0.0685	2.1722	12.5765	1.0095	-3.2139	10.3721
359	213	217	0.6884	1.3944	0.069	2.1518	12.4449	1.0137	-3.225	10.2337
360	216	215	0.6803	1.3943	0.0694	2.144	12.3331	1.0109	-3.2176	10.1264
361	221	214	0.6723	1.3921	0.0699	2.1343	12.1728	0.9892	-3.2285	9.9334

362	217	212	0.6647	1.3907	0.0697	2.1251	12.0449	0.9688	-3.2149	9.7988
363	217	210	0.6584	1.3892	0.0693	2.1169	11.931	0.9682	-3.2116	9.6876
364	210	208	0.6498	1.3872	0.0684	2.1054	11.8048	0.9711	-3.2116	9.5643
365	209	206	0.6445	1.3865	0.0675	2.0984	11.7545	0.9537	-3.2974	9.4109
366	205	204	0.6359	1.387	0.0671	2.0901	11.7555	0.9383	-3.3927	9.3011
367	207	202	0.6311	1.3842	0.0671	2.0825	11.5979	0.9559	-3.3582	9.1955
368	208	201	0.6268	1.3843	0.0677	2.0788	11.4422	0.9484	-3.3533	9.0373
369	201	198	0.6214	1.3853	0.0675	2.0742	11.2703	0.9105	-3.3471	8.8338
370	194	196	0.6148	1.3872	0.0673	2.0693	11.1171	0.8782	-3.3358	8.6595
371	193	193	0.6081	1.3865	0.0676	2.0622	10.9307	0.8732	-3.3298	8.4742
372	187	190	0.602	1.3848	0.0679	2.0546	10.8037	0.8451	-3.3247	8.3242
373	186	186	0.5957	1.3833	0.0677	2.0467	10.4967	0.8156	-3.1491	8.1632
374	183	183	0.5397	1.3808	0.0673	1.9878	10.3384	0.8477	-3.1624	8.0236
375	185	180	0.4681	1.38	0.1579	2.006	10.1904	0.9694	-3.286	7.8738
376	183	176	0.438	1.377	0.199	2.014	10.0838	0.9802	-3.2591	7.805
377	176	173	0.4425	1.3764	0.1951	2.014	9.9482	0.9655	-3.2468	7.667
378	171	169	0.4448	1.3768	0.1932	2.0148	9.8194	0.9726	-3.2335	7.5585
379	170	165	0.4449	1.3785	0.1895	2.0129	9.6951	0.9559	-3.2121	7.4389
380	161	161	0.447	1.3784	0.1856	2.011	9.566	0.9229	-3.1811	7.3078
381	156	158	0.4227	1.3767	0.2109	2.0103	9.4295	0.8997	-3.1584	7.1709
382	152	154	0.3967	1.3732	0.2366	2.0066	9.301	0.8962	-3.1689	7.0284
383	151	151	0.3965	1.3715	0.2346	2.0026	9.2083	0.882	-3.2045	6.8858
384	144	147	0.395	1.3709	0.233	1.9989	9.0852	0.8767	-3.1982	6.7637
385	143	144	0.3947	1.3679	0.2321	1.9947	8.979	0.8564	-3.1726	6.6628
386	134	140	0.3958	1.367	0.2295	1.9924	8.8152	0.8435	-3.1573	6.5013
387	132	137	0.3952	1.3665	0.2291	1.9909	8.7025	0.8393	-3.1549	6.387
388	129	133	0.3911	1.3663	0.2302	1.9875	8.6098	0.8318	-3.1544	6.2872
389	126	130	0.3896	1.3648	0.2289	1.9833	8.4981	0.8323	-3.1519	6.1786
390	126	127	0.3876	1.3644	0.2274	1.9795	8.3815	0.8141	-3.1431	6.0526
391	122	123	0.3865	1.3654	0.2258	1.9777	8.2654	0.7998	-3.1271	5.9382
392	119	121	0.3856	1.3644	0.225	1.9751	8.134	0.7715	-3.1175	5.788
393	121	118	0.3833	1.3632	0.2258	1.9723	8.0294	0.8028	-3.1344	5.6978
394	118	116	0.3807	1.3615	0.226	1.9682	7.9726	0.7483	-3.136	5.5849
395	113	113	0.3793	1.3628	0.2242	1.9663	7.814	0.7503	-3.1097	5.4547
396	110	111	0.3739	1.3633	0.2242	1.9614	7.6837	0.7261	-3.0899	5.3199
397	107	109	0.3702	1.3639	0.2256	1.9597	7.5198	0.7474	-3.0927	5.1745
398	101	107	0.2426	1.3633	0.3765	1.9824	7.4545	0.7395	-3.0822	5.1117

399	98.7	104	0.1954	1.3917	0.3433	1.9304	7.35	0.7075	-3.0626	4.9949
400	98.2	102	0.2031	1.3934	0.3312	1.9277	7.252	0.6845	-3.0597	4.8769
401	99.4	99.5	0.2022	1.3922	0.3278	1.9222	7.1599	0.6776	-3.0512	4.7863
402	99.3	97.1	0.1999	1.3904	0.3259	1.9162	7.0534	0.6878	-3.0381	4.7031
403	98.1	94.4	0.2	1.3928	0.3214	1.9142	6.9555	0.6768	-3.0339	4.5985
404	95.5	91.9	0.1997	1.3916	0.3203	1.9116	6.8592	0.6937	-3.0381	4.5148
405	91.4	89.6	0.1996	1.3895	0.3207	1.9098	6.7364	0.6634	-3.0319	4.368
406	91	87.4	0.1981	1.3885	0.322	1.9086	6.532	0.7316	-2.9458	4.3178
407	88.9	85.3	0.1967	1.3867	0.3243	1.9077	6.3189	0.6869	-2.944	4.0617
408	84.1	83.4	0.1962	1.3852	0.3252	1.9067	5.4322	0.6616	-2.8754	3.2184
409	79.7	81.7	0.1943	1.3836	0.3245	1.9025	5.5578	0.6595	-2.5531	3.6641
410	77.8	79.9	0.1908	1.3834	0.3255	1.8997	5.4268	0.5695	-2.5202	3.4761
411	72.5	78.1	0.191	1.3841	0.3241	1.8992	5.3421	0.5661	-2.5224	3.3857
412	69.8	76.5	0.1893	1.3825	0.3239	1.8957	5.2578	0.5559	-2.529	3.2847
413	70.7	74.8	0.1869	1.38	0.3241	1.891	5.1849	0.5527	-2.5242	3.2133
414	69.3	73.4	0.1769	1.3806	0.3329	1.8904	5.1407	0.5458	-2.5155	3.171
415	68.5	72.1	0.1645	1.3803	0.3426	1.8873	5.0699	0.5059	-2.5026	3.0732
416	66.7	70.7	0.1654	1.3772	0.3388	1.8813	5.0377	0.505	-2.4996	3.043
417	66	69.3	0.1673	1.3761	0.3387	1.882	4.9527	0.5105	-2.4979	2.9653
418	65	68.1	0.168	1.3762	0.3387	1.8829	4.9068	0.4905	-2.4926	2.9047
419	64.1	67	0.1688	1.3774	0.3376	1.8838	4.8671	0.4999	-2.4756	2.8914
420	65.9	66.1	0.1699	1.3788	0.3364	1.8851	4.8149	0.5253	-2.48	2.8603
421	68.8	65.3	0.169	1.3795	0.3349	1.8834	4.7566	0.5481	-2.4876	2.817
422	66.3	64.6	0.1703	1.3808	0.3338	1.8849	4.6964	0.5479	-2.4876	2.7567
423	67.5	63.9	0.1717	1.3769	0.3376	1.8862	4.6385	0.5362	-2.4829	2.6918
424	66.9	63.3	0.1742	1.3615	0.35	1.8856	4.5823	0.5154	-2.4871	2.6107
425	64	62.7	0.1738	1.3597	0.3471	1.8806	4.0317	0.4945	-2.4673	2.0589
426	62.9	62.3	0.1737	1.3587	0.3456	1.878	3.3209	0.4854	-1.5466	2.2596
427	62	62	0.1724	1.3578	0.3445	1.8747	3.0445	0.4539	-1.148	2.3504
428	59.2	61.6	0.1717	1.3583	0.342	1.872	3.2341	0.4514	-1.3708	2.3147
429	59.2	61.4	0.1711	1.3586	0.3391	1.8688	3.5065	0.4641	-1.2931	2.6775
430	57.7	61.1	0.1681	1.3579	0.3385	1.8645	3.507	0.4844	-1.3024	2.689
431	57.5	60.5	0.1677	1.3565	0.3406	1.8648	3.5476	0.4853	-1.305	2.7278
432	56.3	60	0.1645	1.3547	0.3436	1.8627	3.2983	0.4614	-1.0295	2.7302
433	57.6	59.5	0.1633	1.3546	0.3426	1.8605	3.0343	0.4333	-0.758	2.7095
434	57.5	59	0.1636	1.3538	0.3403	1.8577	3.0343	0.4209	-0.7703	2.6848
435	59.1	58.6	0.1651	1.3526	0.3387	1.8565	3.014	0.4201	-0.7726	2.6615

436	60.1	58.3	0.1655	1.3517	0.3385	1.8557	3.0138	0.4027	-0.778	2.6385
437	58.3	57.9	0.1625	1.3508	0.3385	1.8518	3.0188	0.3997	-0.7876	2.631
438	59.2	57.7	0.1614	1.349	0.3384	1.8488	3.0041	0.3978	-0.7895	2.6124
439	60.2	57.5	0.1615	1.3476	0.3375	1.8465	2.9727	0.4028	-0.7803	2.5952
440	58.5	57.4	0.1611	1.3468	0.3359	1.8438	2.9611	0.4228	-0.7901	2.5938
441	56.9	57.3	0.1624	1.3471	0.3348	1.8443	2.9524	0.4206	-0.8061	2.5669
442	56.8	57.3	0.1613	1.3436	0.3363	1.8412	2.9245	0.4362	-0.8026	2.5581
443	58.2	57.3	0.1599	1.3444	0.3365	1.8408	2.9439	0.4226	-0.7869	2.5795
444	55.9	57.3	0.1599	1.3437	0.3341	1.8377	2.937	0.4087	-0.7838	2.5619
445	56.9	57.3	0.1601	1.3452	0.3322	1.8375	2.9132	0.4039	-0.7673	2.5498
446	55	57.2	0.1584	1.3454	0.3325	1.8364	2.9211	0.4282	-0.7717	2.5776
447	54.8	57.3	0.1575	1.3458	0.3314	1.8347	2.8748	0.4443	-0.7714	2.5477
448	56.4	57.2	0.1569	1.3464	0.3292	1.8325	2.8402	0.4445	-0.7644	2.5204
449	55.1	57.2	0.1558	1.3457	0.3288	1.8303	1.5652	0.4243	0.7511	2.7406
450	55.2	57.2	0.1547	1.3445	0.3278	1.827	1.1179	0.7086	0.4265	2.253
451	57.4	57.3	0.1533	1.343	0.3263	1.8225	1.2144	0.7459	0.316	2.2763
452	57.3	57.4	0.1515	1.343	0.3256	1.8201	1.2172	0.7351	0.2962	2.2485
453	57.3	57.3	0.1516	1.339	0.3255	1.8161	1.1972	0.7181	0.2882	2.2034
454	58.8	57.3	0.149	1.3384	0.324	1.8114	1.1961	0.757	0.2461	2.1992
455	59.2	57.3	0.1485	1.3376	0.3216	1.8076	1.2073	0.7383	0.2385	2.1842
456	59.1	57.2	0.1477	1.3365	0.3216	1.8057	1.1971	0.7139	0.2575	2.1685
457	57.6	57.2	0.146	1.3346	0.3244	1.805	1.1845	0.7006	0.2785	2.1636
458	60	57	0.1457	1.3363	0.3238	1.8057	1.1852	0.6945	0.3092	2.1888
459	59.6	56.9	0.1457	1.3374	0.321	1.8042	1.1839	0.6972	0.3215	2.2025
460	58.7	56.8	0.1461	1.3376	0.3216	1.8054	1.166	0.6967	0.3198	2.1826
461	57.7	56.5	0.1465	1.3365	0.3228	1.8058	1.1477	0.6986	0.3406	2.1869
462	57.1	56.1	0.1462	1.3355	0.3221	1.8038	1.1408	0.7056	0.347	2.1934
463	56.4	55.8	0.1443	1.3346	0.3208	1.7998	1.1449	0.6902	0.3419	2.177
464	55.4	55.3	0.1428	1.3366	0.3186	1.7981	1.1331	0.6699	0.3342	2.1372
465	54.4	55	0.1407	1.336	0.3175	1.7941	1.0313	0.6812	0.435	2.1475
466	54.3	54.6	0.1407	1.336	0.3169	1.7935	0.8884	0.6914	0.5423	2.1221
467	53.1	54.4	0.1404	1.3351	0.3164	1.792	0.879	0.6661	0.5067	2.0517
468	53.2	54.1	0.1401	1.3343	0.3152	1.7896	0.9038	0.6642	0.5068	2.0748
469	53.6	53.8	0.1399	1.3328	0.3154	1.7882	0.9087	0.6722	0.5225	2.1033
470	51.5	53.5	0.1392	1.3324	0.3161	1.7876	0.9128	0.697	0.5187	2.1285
471	49.1	53.3	0.1384	1.3317	0.3164	1.7865	0.9747	0.7136	0.4504	2.1387
472	51.4	52.9	0.1381	1.3312	0.3162	1.7855	0.9896	0.7394	0.3926	2.1216

473	50.2	52.5	0.1375	1.3318	0.3164	1.7856	1.0029	0.7721	0.3712	2.1461
474	52.8	52.4	0.1365	1.3313	0.3141	1.7819	1.0295	0.7551	0.4123	2.1969
475	50.9	52.2	0.136	1.3314	0.3126	1.78	1.08	0.586	0.5432	2.2092
476	54.2	52.1	0.1336	1.3316	0.3138	1.779	1.0936	0.5533	0.5293	2.1761
477	54.5	52	0.1191	1.3312	0.3322	1.7825	1.0858	0.5422	0.5296	2.1575
478	53.6	51.9	0.0942	1.3304	0.3225	1.7471	1.0573	0.5177	0.5653	2.1403
479	53.4	51.7	0.0942	1.33	0.3198	1.744	1.0324	0.5259	0.5771	2.1353
480	53	51.4	0.0922	1.3298	0.3161	1.7382	1.0499	0.5263	0.5678	2.144
481	50	51.4	0.0929	1.3306	0.3138	1.7373	1.0337	0.5158	0.5772	2.1267
482	49.7	51.3	0.0933	1.3299	0.3124	1.7356	1.0215	0.5063	0.6121	2.1399
483	51.7	51.2	0.0931	1.3294	0.3116	1.7341	0.982	0.5142	0.6556	2.1518
484	52.4	50.9	0.0936	1.3289	0.3103	1.7327	0.9591	0.5266	0.6483	2.134
485	50.7	50.7	0.0933	1.3277	0.3099	1.7309	0.9762	0.5357	0.6096	2.1215
486	51.4	50.3	0.0939	1.327	0.3083	1.7293	1.0014	0.5147	0.5992	2.1154
487	51.3	50.1	0.0947	1.3268	0.3081	1.7296	0.9966	0.507	0.6055	2.1091
488	50.5	49.8	0.0938	1.326	0.3082	1.728	0.9605	0.5158	0.6024	2.0787
489	45.8	49.4	0.0935	1.3225	0.3079	1.7239	0.9509	0.5101	0.6051	2.0661
490	48.4	49.1	0.0924	1.3224	0.308	1.7228	0.9497	0.5027	0.6095	2.0619
491	49.9	48.9	0.094	1.3218	0.3061	1.7219	0.9512	0.5101	0.5904	2.0518
492	47.7	48.8	0.0912	1.3222	0.3037	1.7171	0.9932	0.5338	0.5412	2.0681
493	47.3	48.7	0.0896	1.3223	0.3041	1.7161	1.0412	0.5115	0.5073	2.06
494	47.4	48.5	0.0894	1.3211	0.3027	1.7132	1.0471	0.5228	0.494	2.0639
495	47.8	48.6	0.0872	1.3199	0.3014	1.7086	1.0412	0.5074	0.5093	2.0578
496	49.7	48.6	0.0864	1.3189	0.3014	1.7067	0.9974	0.5088	0.5191	2.0252
497	48.6	48.6	0.0862	1.3194	0.3021	1.7077	0.9598	0.523	0.5497	2.0324
498	45.8	48.6	0.0861	1.3208	0.3014	1.7084	0.9534	0.5174	0.5587	2.0294
499	46.1	48.9	0.0836	1.3209	0.3007	1.7051	0.941	0.5296	0.5389	2.0095
500	46.3	49.1	0.0816	1.3188	0.2996	1.7001	0.9154	0.5312	0.5464	1.993
501	49.2	49.2	0.0805	1.3187	0.2982	1.6973	0.9162	0.5184	0.5428	1.9775
502	49.2	49.3	0.0801	1.3186	0.297	1.6958	0.9049	0.5159	0.5156	1.9365
503	49.3	49.5	0.0804	1.3171	0.2968	1.6943	0.8763	0.5307	0.498	1.905
504	51.2	49.7	0.079	1.3178	0.2964	1.6932	0.8624	0.4916	0.5082	1.8622
505	52.4	49.8	0.0799	1.3181	0.295	1.6929	0.835	0.4921	0.5068	1.8338
506	50.9	49.9	0.0797	1.3184	0.2941	1.6922	0.8515	0.4637	0.4993	1.8145
507	51	50	0.0781	1.3173	0.2934	1.6888	0.866	0.4492	0.4998	1.815
508	51.4	50.2	0.0778	1.3155	0.2931	1.6864	0.8781	0.4324	0.5235	1.834
509	52.4	50.3	0.0777	1.3139	0.2925	1.6842	0.8819	0.4324	0.5306	1.8449

510	51.7	50.5	0.0761	1.3136	0.2914	1.681	0.8904	0.4638	0.5139	1.8681
511	49.5	50.4	0.0769	1.3136	0.2894	1.6799	0.9	0.4639	0.5273	1.8912
512	49.8	50.3	0.0748	1.3135	0.2897	1.678	0.8968	0.4589	0.5556	1.9113
513	51.3	50.3	0.0736	1.313	0.2906	1.6773	0.8899	0.4392	0.5671	1.8961
514	50.9	50.1	0.0738	1.3125	0.2894	1.6756	0.8664	0.4278	0.5628	1.8571
515	51	49.8	0.0756	1.3111	0.2883	1.6751	0.8468	0.4556	0.536	1.8384
516	50.7	49.7	0.0775	1.3106	0.2881	1.6762	0.8423	0.4488	0.5365	1.8277
517	49.4	49.6	0.0769	1.3097	0.288	1.6745	0.8616	0.4616	0.5331	1.8563
518	48.4	49.5	0.0771	1.309	0.2865	1.6725	0.8739	0.4726	0.5487	1.8952
519	49.8	49.3	0.0775	1.3077	0.2857	1.671	0.865	0.4713	0.5323	1.8685
520	46.7	49	0.0724	1.3074	0.2913	1.6712	0.8522	0.4553	0.5471	1.8546
521	48.3	48.8	0.0701	1.3055	0.2956	1.6712	0.8466	0.4637	0.564	1.8743
522	48.2	48.6	0.07	1.3036	0.2966	1.6703	0.8401	0.4754	0.5758	1.8913
523	47.5	48.3	0.0687	1.3014	0.2964	1.6665	0.8262	0.479	0.5734	1.8785
524	48.1	48.1	0.0661	1.3029	0.2957	1.6647	0.8105	0.4904	0.5702	1.8711
525	48	47.9	0.0645	1.3044	0.2941	1.663	0.794	0.4977	0.5417	1.8334
526	48.5	47.6	0.0651	1.3045	0.2927	1.6622	0.7901	0.5011	0.5204	1.8116
527	50.5	47.3	0.0667	1.306	0.288	1.6607	0.7695	0.501	0.5355	1.806
528	48.2	47.3	0.0685	1.3057	0.2843	1.6585	0.6593	0.4915	0.72	1.8707
529	46	47.2	0.0661	1.3059	0.2823	1.6544	0.4395	0.4883	0.6233	1.5511
530	46.7	47.3	0.0648	1.3063	0.2808	1.6519	0.469	0.4867	0.5984	1.5541
531	46	47.3	0.0655	1.3059	0.2793	1.6508	0.4272	0.4769	0.5809	1.485
532	45.4	47.2	0.0663	1.3032	0.278	1.6475	0.4283	0.5032	0.5683	1.4998
533	46.9	47.1	0.0674	1.3019	0.2778	1.6471	0.4281	0.4956	0.5616	1.4853
534	46.6	47.1	0.066	1.3003	0.2793	1.6456	0.4204	0.4884	0.5638	1.4725
535	44.3	47.1	0.065	1.3012	0.2788	1.6449	0.4317	0.4782	0.5598	1.4697
536	45.2	47	0.0659	1.301	0.2779	1.6448	0.451	0.4782	0.5691	1.4984
537	48.1	46.7	0.0664	1.2993	0.2782	1.6439	0.4625	0.4861	0.574	1.5226
538	48.3	46.5	0.0663	1.298	0.2779	1.6422	0.4703	0.4908	0.5776	1.5387
539	47.9	46.5	0.0665	1.2973	0.2766	1.6403	0.4776	0.4962	0.5528	1.5266
540	48.1	46.5	0.066	1.2958	0.2768	1.6386	0.4364	0.4745	0.5722	1.4831
541	47.1	46.4	0.0631	1.2937	0.2807	1.6375	0.4135	0.4839	0.5748	1.4721
542	45.1	46.3	0.0572	1.2925	0.2856	1.6352	0.4301	0.4746	0.5469	1.4516
543	47.3	46	0.0552	1.2922	0.2871	1.6345	0.4155	0.4999	0.5163	1.4317
544	47.6	45.8	0.0557	1.293	0.2831	1.6319	0.4277	0.494	0.5235	1.4452
545	46.8	45.8	0.0603	1.2943	0.2803	1.6349	0.447	0.4754	0.5326	1.4551
546	45	45.8	0.0625	1.2931	0.2775	1.6331	0.4477	0.4612	0.5297	1.4386

547	44	45.6	0.0622	1.2941	0.2755	1.6318	0.4329	0.4609	0.5288	1.4226
548	45.8	45.3	0.0628	1.2935	0.2753	1.6316	0.4057	0.4817	0.5428	1.4302
549	46.9	45.1	0.0642	1.2926	0.2742	1.631	0.3921	0.5094	0.5486	1.4501
550	45.4	44.7	0.0631	1.2927	0.2735	1.6293	0.3756	0.5085	0.5497	1.4337
551	42.7	44.5	0.0628	1.2914	0.2747	1.6289	0.3488	0.4812	0.555	1.385
552	41.2	44.5	0.0638	1.2899	0.2758	1.6296	0.3373	0.4815	0.5477	1.3665
553	42.6	44.3	0.0654	1.2898	0.2747	1.6298	0.3292	0.4915	0.5284	1.3492
554	44.4	44	0.0655	1.2892	0.2734	1.628	0.3287	0.4902	0.5357	1.3546
555	45.5	43.9	0.0633	1.2912	0.2717	1.6262	0.3265	0.5099	0.515	1.3513
556	44.3	43.7	0.0611	1.2915	0.2716	1.6243	0.3459	0.5063	0.5018	1.354
557	43.6	43.7	0.0581	1.2914	0.2721	1.6216	0.3549	0.5114	0.5029	1.3692
558	42.9	43.6	0.0575	1.293	0.2707	1.6213	0.336	0.5031	0.5061	1.3452
559	41.6	43.5	0.0567	1.2911	0.2696	1.6174	0.3358	0.4791	0.5036	1.3186
560	42.8	43.4	0.0561	1.2913	0.2689	1.6163	0.3394	0.4772	0.5081	1.3247
561	44.7	43.5	0.0568	1.2907	0.2672	1.6147	0.3177	0.4896	0.5105	1.3178
562	43.7	43.6	0.0572	1.2915	0.2654	1.6142	0.3399	0.49	0.4912	1.3211
563	42.5	43.6	0.0577	1.2918	0.2645	1.6141	0.344	0.4983	0.4856	1.3279
564	43.5	43.5	0.0581	1.2911	0.265	1.6142	0.3229	0.5001	0.5022	1.3252
565	42.3	43.3	0.0565	1.2911	0.2638	1.6114	0.3274	0.5012	0.4841	1.3127
566	44.5	43.1	0.0545	1.2898	0.2636	1.6079	0.3454	0.4792	0.495	1.3196
567	44	43.1	0.053	1.2879	0.2615	1.6025	0.3424	0.4819	0.5078	1.3321
568	44.7	43.1	0.0536	1.2872	0.262	1.6028	0.3191	0.48	0.5169	1.3159
569	43.5	43.1	0.0547	1.2873	0.2607	1.6027	0.3168	0.4922	0.4965	1.3055
570	43.8	43.1	0.0545	1.286	0.2597	1.6001	0.3364	0.4897	0.4855	1.3116
571	42.9	42.8	0.0544	1.2842	0.2588	1.5974	0.2854	0.4834	0.5425	1.3113
572	43.4	42.7	0.0555	1.2833	0.2588	1.5976	0.2695	0.4632	0.5866	1.3192
573	42.7	42.6	0.0564	1.2827	0.2594	1.5985	0.2797	0.4538	0.5956	1.3292
574	40.4	42.5	0.0571	1.2816	0.2599	1.5986	0.2632	0.4286	0.6196	1.3113
575	41.2	42.5	0.057	1.2813	0.2605	1.5989	0.2647	0.4448	0.6173	1.3268
576	43.8	42.4	0.0566	1.2815	0.2602	1.5984	0.269	0.4685	0.6042	1.3417
577	43.7	42.3	0.0532	1.2821	0.2602	1.5955	0.2796	0.4778	0.5932	1.3506
578	40.8	42.3	0.0502	1.2816	0.2602	1.592	0.3149	0.489	0.5579	1.3618
579	42.2	42.3	0.0473	1.2814	0.2599	1.5886	0.3459	0.4968	0.5253	1.3679
580	40.5	42.4	0.0495	1.2822	0.2581	1.5897	0.3298	0.5045	0.5155	1.3498
581	40.8	42.5	0.0501	1.2803	0.257	1.5873	0.327	0.5068	0.5104	1.3442
582	41.5	42.6	0.0505	1.2804	0.2563	1.5871	0.3443	0.5022	0.5058	1.3522
583	41	42.6	0.051	1.2806	0.2552	1.5868	0.3586	0.479	0.4973	1.3349

584	41.9	42.7	0.0504	1.2811	0.2543	1.5858	0.3711	0.4838	0.5082	1.3631
585	42.2	42.7	0.0482	1.2798	0.253	1.581	0.3696	0.4831	0.5299	1.3826
586	42.8	42.7	0.0477	1.2784	0.2509	1.577	0.357	0.5119	0.5411	1.41
587	44.6	42.6	0.0477	1.2777	0.2503	1.5757	0.3806	0.5168	0.5382	1.4355
588	43.9	42.6	0.046	1.2764	0.2529	1.5754	0.3849	0.4947	0.5434	1.423
589	45.6	42.5	0.0498	1.2751	0.2507	1.5756	0.3809	0.5044	0.5414	1.4267
590	45.1	42.5	0.051	1.274	0.2506	1.5756	0.3851	0.5028	0.5533	1.4412
591	45.2	42.5	0.051	1.2743	0.2514	1.5767	0.3796	0.4969	0.5572	1.4337
592	42.6	42.6	0.0497	1.2722	0.2521	1.574	0.3418	0.4997	0.5936	1.4351
593	41.6	42.7	0.0469	1.2729	0.2518	1.5716	0.2711	0.4845	0.6488	1.4044
594	42.6	42.5	0.0447	1.2736	0.2495	1.5677	0.2598	0.4826	0.6502	1.3926
595	42	42.5	0.0425	1.2738	0.2484	1.5647	0.2792	0.5045	0.5964	1.3801
596	42.5	42.4	0.0431	1.2728	0.2485	1.5644	0.3243	0.5228	0.575	1.4221
597	41.5	42.1	0.0457	1.2712	0.2478	1.5647	0.3504	0.5218	0.5509	1.4231
598	40.5	41.9	0.0469	1.2699	0.2466	1.5634	0.3434	0.5253	0.541	1.4097
599	40	41.6	0.046	1.27	0.2457	1.5618	0.3427	0.5084	0.5403	1.3914
600	41.2	41.3	0.0468	1.2707	0.2441	1.5616	0.3596	0.5003	0.5353	1.3952
601	42.4	41	0.0467	1.2705	0.2434	1.5607	0.3435	0.506	0.525	1.3745
602	43.1	40.9	0.0472	1.2695	0.2442	1.5609	0.3492	0.5003	0.5372	1.3867
603	38.5	40.8	0.0475	1.2681	0.2432	1.5588	0.3618	0.4938	0.5551	1.4107
604	41.4	40.7	0.0463	1.2668	0.2449	1.558	0.3751	0.4924	0.5507	1.4183
605	41.3	40.5	0.0453	1.2674	0.2448	1.5575	0.3801	0.4913	0.5386	1.4099
606	39.3	40.3	0.0442	1.2673	0.2438	1.5553	0.3506	0.5178	0.5215	1.3899
607	39.1	40.2	0.0445	1.267	0.2428	1.5543	0.3294	0.5198	0.5232	1.3724
608	40.6	40.2	0.0443	1.2676	0.2427	1.5545	0.2973	0.523	0.5297	1.35
609	40.2	40.1	0.0438	1.2662	0.2417	1.5517	0.2999	0.5444	0.5119	1.3562
610	38.9	40.1	0.0443	1.2646	0.2404	1.5493	0.2986	0.534	0.4975	1.3301
611	39.9	40	0.0429	1.2645	0.2403	1.5478	0.3499	0.5329	0.4227	1.3055
612	40.3	39.9	0.0404	1.2637	0.2411	1.5452	0.3432	0.5211	0.4426	1.3068
613	40	40	0.0413	1.263	0.2404	1.5447	0.3404	0.5488	0.4328	1.322
614	39.1	40	0.041	1.2624	0.241	1.5444	0.342	0.574	0.4297	1.3458
615	38.6	40.1	0.0411	1.2632	0.2388	1.5431	0.3556	0.5708	0.4289	1.3552
616	39	40.3	0.0432	1.2624	0.2373	1.543	0.3416	0.57	0.4126	1.3242
617	40.6	40.4	0.045	1.2617	0.2363	1.5429	0.3242	0.5657	0.4061	1.296
618	39	40.4	0.0454	1.2597	0.2368	1.542	0.3176	0.5518	0.3782	1.2477
619	40.3	40.5	0.0439	1.2588	0.2372	1.5398	0.3246	0.5459	0.395	1.2655
620	40.6	40.6	0.0439	1.259	0.2371	1.54	0.3239	0.5539	0.3957	1.2735

621	41.1	40.7	0.0431	1.2592	0.237	1.5393	0.3548	0.5532	0.3696	1.2775
622	40.1	40.7	0.042	1.2582	0.2371	1.5373	0.3532	0.5337	0.3588	1.2457
623	41.4	40.9	0.0424	1.2585	0.2344	1.5354	0.3649	0.5233	0.3772	1.2655
624	43.4	41.1	0.0397	1.2584	0.2339	1.532	0.3815	0.536	0.3977	1.3152
625	42.7	41.3	0.0376	1.2575	0.2337	1.5288	0.3998	0.5314	0.4049	1.3361
626	42.4	41.4	0.0371	1.2567	0.2333	1.5271	0.3916	0.5451	0.4101	1.3468
627	40.6	41.6	0.0352	1.2571	0.2322	1.5245	0.3751	0.5451	0.4091	1.3293
628	40.6	41.8	0.0339	1.256	0.2318	1.5217	0.3431	0.547	0.4085	1.2987
629	41.5	41.9	0.0331	1.2555	0.2308	1.5194	0.3204	0.5339	0.4209	1.2752
630	41.2	41.9	0.0321	1.2556	0.2297	1.5174	0.2909	0.5201	0.4421	1.2531
631	41.1	41.9	0.0311	1.2557	0.2288	1.5156	0.3076	0.5182	0.442	1.2679
632	43.3	41.9	0.0304	1.2553	0.2283	1.514	0.3027	0.4996	0.4424	1.2447
633	42.7	41.8	0.0303	1.2535	0.227	1.5108	0.303	0.4985	0.4402	1.2418
634	43.3	41.6	0.029	1.2519	0.2263	1.5073	0.3103	0.4908	0.4367	1.2378
635	41.7	41.3	0.0293	1.25	0.2247	1.5039	0.3202	0.4902	0.4309	1.2413
636	43.4	41	0.0278	1.2493	0.2241	1.5012	0.3214	0.4864	0.4016	1.2093
637	43.1	40.9	0.0279	1.2498	0.2239	1.5016	0.3442	0.4772	0.3804	1.2018
638	43	40.8	0.0282	1.2476	0.2237	1.4995	0.3484	0.4806	0.3835	1.2126
639	39.8	40.6	0.028	1.247	0.2212	1.4962	0.3153	0.4802	0.4371	1.2326
640	41.5	40.5	0.028	1.2461	0.2211	1.4952	0.3612	0.4666	0.4266	1.2543
641	40.3	40.4	0.0289	1.2437	0.2213	1.494	0.3815	0.4413	0.4254	1.2482
642	38.9	40.2	0.0301	1.244	0.2207	1.4948	0.3796	0.4275	0.4459	1.253
643	39	39.9	0.0292	1.2439	0.2221	1.4952	0.3653	0.4004	0.4688	1.2346
644	37.5	39.5	0.0278	1.2425	0.2235	1.4939	0.3412	0.4394	0.4653	1.2459
645	36.6	39.3	0.0279	1.2421	0.2228	1.4927	0.3153	0.4659	0.4435	1.2247
646	39.6	39	0.0274	1.241	0.2224	1.4908	0.3044	0.4834	0.441	1.2288
647	38.6	38.8	0.0278	1.2416	0.2214	1.4908	0.3005	0.4993	0.4514	1.2512
648	36.9	38.6	0.0285	1.2426	0.2213	1.4924	0.3192	0.4946	0.438	1.2519
649	38.7	38.7	0.0283	1.2426	0.2206	1.4915	0.3338	0.4931	0.413	1.24
650	39.8	38.7	0.0287	1.2421	0.221	1.4918	0.3197	0.5015	0.3978	1.219
651	38.8	38.7	0.0279	1.2414	0.221	1.4902	0.328	0.5078	0.3938	1.2297
652	37.1	38.7	0.0277	1.2406	0.2203	1.4886	0.3343	0.4951	0.4005	1.2299
653	36.1	38.8	0.0278	1.2406	0.2196	1.488	0.3436	0.4756	0.415	1.2342
654	38.3	39	0.0275	1.2401	0.2195	1.487	0.3514	0.475	0.4046	1.231
655	38.1	39.3	0.0282	1.2395	0.2195	1.4872	0.3562	0.4715	0.4179	1.2455
656	38.4	39.4	0.0282	1.2396	0.2193	1.487	0.3419	0.4554	0.4368	1.2341
657	40.1	39.4	0.0284	1.2391	0.2191	1.4866	0.3515	0.4465	0.4502	1.2482

658	41.4	39.6	0.0275	1.2386	0.2196	1.4856	0.3639	0.4507	0.439	1.2536
659	41.2	39.6	0.0268	1.2377	0.2199	1.4844	0.376	0.4478	0.4496	1.2734
660	40.4	39.5	0.0212	1.238	0.2266	1.4858	0.3636	0.4352	0.451	1.2498
661	38.6	39.4	0.0225	1.2385	0.223	1.484	0.3495	0.4425	0.4424	1.2343
662	40.3	39.5	0.0232	1.2367	0.2221	1.482	0.3266	0.4639	0.4388	1.2293
663	41.6	39.6	0.0235	1.2344	0.2216	1.4795	0.3029	0.4616	0.4361	1.2006
664	41.9	39.4	0.0226	1.234	0.2222	1.4787	0.3131	0.4673	0.4229	1.2033
665	41.7	39.4	0.0223	1.2341	0.2225	1.4789	0.3147	0.477	0.4199	1.2117
666	40	39.2	0.0221	1.2333	0.223	1.4783	0.3256	0.4913	0.3948	1.2117
667	39	39	0.0213	1.2327	0.2237	1.4777	0.3567	0.4867	0.3902	1.2336
668	39.8	38.8	0.0211	1.2326	0.2225	1.4762	0.3817	0.4793	0.3812	1.2422
669	38.3	38.5	0.0223	1.2319	0.2212	1.4754	0.3785	0.4542	0.408	1.2408
670	36.3	38.3	0.019	1.2307	0.2227	1.4724	0.3619	0.459	0.4148	1.2356
671	38.4	38.2	0.0191	1.2308	0.2229	1.4728	0.3713	0.4552	0.4143	1.2409
672	37.6	38.1	0.019	1.2309	0.2211	1.471	0.3741	0.4498	0.4166	1.2406
673	36.2	38	0.0183	1.2291	0.2196	1.467	0.363	0.4372	0.4235	1.2236
674	36.3	37.7	0.0171	1.2284	0.2194	1.465	0.374	0.4364	0.4033	1.2137
675	36.4	37.4	0.0178	1.2268	0.2195	1.4642	0.3607	0.4368	0.4028	1.2003
676	35.8	37.4	0.0191	1.227	0.2193	1.4655	0.342	0.4523	0.4016	1.1959
677	36.8	37.2	0.0189	1.2274	0.2193	1.4656	0.3363	0.4623	0.402	1.2006
678	35.1	37	0.0182	1.2282	0.2181	1.4645	0.3052	0.472	0.3935	1.1706
679	36.4	37	0.0182	1.2293	0.2157	1.4633	0.2976	0.467	0.3967	1.1613
680	37.6	37	0.0188	1.2303	0.2139	1.463	0.3184	0.4668	0.3943	1.1795
681	39.4	36.9	0.0198	1.2303	0.2128	1.4629	0.3058	0.4766	0.3922	1.1746
682	39.3	36.8	0.0202	1.2305	0.2123	1.4629	0.2844	0.4756	0.3848	1.1447
683	35.4	36.9	0.02	1.2315	0.2116	1.463	0.2709	0.4738	0.3813	1.1259
684	36.5	37	0.0184	1.232	0.2112	1.4616	0.2816	0.4521	0.371	1.1047
685	39	37.1	0.0161	1.2312	0.2128	1.4601	0.2833	0.4272	0.369	1.0795
686	36.5	37.1	0.0133	1.2307	0.2129	1.4568	0.3058	0.4182	0.353	1.0769
687	36.1	37.2	0.0129	1.2296	0.212	1.4545	0.2878	0.4173	0.3476	1.0527
688	37.1	37.3	0.0145	1.2284	0.2092	1.4521	0.2889	0.4292	0.3456	1.0637
689	37.3	37.4	0.0137	1.2284	0.208	1.4502	0.3033	0.4124	0.3491	1.0648
690	36.9	37.3	0.0129	1.2299	0.208	1.4507	0.3048	0.4104	0.3267	1.0419
691	35.5	37.1	0.013	1.2316	0.2068	1.4514	0.2997	0.4005	0.3283	1.0285
692	36.9	36.9	0.0131	1.2321	0.2052	1.4505	0.3028	0.3749	0.3413	1.0191
693	38.5	36.9	0.0127	1.229	0.2053	1.447	0.3326	0.4074	0.3258	1.0657
694	38.2	36.8	0.0131	1.227	0.2051	1.4453	0.321	0.411	0.3497	1.0816

695	37.2	36.7	0.012	1.2255	0.2043	1.4418	0.3042	0.4138	0.3658	1.0838
696	37	36.7	0.013	1.2229	0.2033	1.4393	0.305	0.4098	0.3728	1.0876
697	38.8	36.6	0.0137	1.2218	0.204	1.4395	0.3183	0.4066	0.3678	1.0928
698	36.8	36.4	0.0135	1.2206	0.2053	1.4394	0.3277	0.4287	0.3554	1.1118
699	36.6	36.4	0.014	1.2199	0.2059	1.4398	0.3355	0.4419	0.358	1.1355
700	35.6	36.3	0.014	1.2199	0.2047	1.4386	0.3333	0.4365	0.3603	1.1301
701	35.3	36.3	0.0133	1.221	0.2034	1.4377	0.3438	0.4492	0.3601	1.1532
702	35	36.3	0.0129	1.2219	0.2027	1.4375	0.3401	0.4564	0.3474	1.144
703	35.7	36.1	0.0124	1.2206	0.2028	1.4357	0.3317	0.4509	0.3436	1.1261
704	36	36	0.0107	1.2197	0.2031	1.4335	0.3258	0.4605	0.3361	1.1224
705	37.1	35.9	0.0111	1.2219	0.2011	1.4341	0.3318	0.456	0.3251	1.1129
706	33.7	35.9	0.009	1.2226	0.1988	1.4305	0.3467	0.4494	0.3276	1.1237
707	34	35.8	0.0081	1.2219	0.1989	1.4289	0.3478	0.4597	0.3237	1.1312
708	36.7	35.9	0.0067	1.2228	0.1978	1.4272	0.3448	0.4519	0.3278	1.1245
709	35.1	35.9	0.0075	1.2227	0.1966	1.4268	0.3261	0.4538	0.3263	1.1063
710	35.8	35.9	0.0093	1.2203	0.1962	1.4258	0.3162	0.4367	0.3332	1.0861
711	35.8	35.9	0.0103	1.2182	0.1964	1.4248	0.2565	0.4341	0.407	1.0976
712	35.9	36	0.0101	1.2175	0.1975	1.4252	0.271	0.4402	0.3756	1.0867
713	35.6	35.8	0.01	1.2163	0.1981	1.4244	0.2953	0.4185	0.3819	1.0957
714	36.2	35.7	0.0096	1.2147	0.199	1.4232	0.3317	0.3932	0.381	1.1058
715	37.1	35.5	0.0085	1.2141	0.1993	1.422	0.3438	0.3874	0.4073	1.1384
716	36	35.4	0.0076	1.2137	0.1983	1.4196	0.3412	0.3808	0.422	1.144
717	38.1	35.3	0.0068	1.2137	0.1982	1.4187	0.3366	0.3898	0.4216	1.1481
718	36.8	35.2	0.0076	1.2143	0.196	1.4179	0.3212	0.407	0.4278	1.156
719	36.1	35.1	0.0077	1.2129	0.1957	1.4162	0.3234	0.4017	0.413	1.1382
720	36.2	35	0.0068	1.2135	0.1957	1.416	0.3282	0.3981	0.402	1.1283
721	35.5	34.8	0.0057	1.2142	0.1953	1.4152	0.2908	0.3861	0.413	1.0899
722	33.1	34.7	0.0057	1.2145	0.1947	1.415	0.297	0.3747	0.412	1.0837
723	33.8	34.6	0.005	1.2149	0.1941	1.414	0.2998	0.3717	0.3937	1.0652
724	32.8	34.6	0.0036	1.2147	0.1937	1.412	0.2927	0.352	0.387	1.0317
725	31.9	34.4	0.0034	1.2123	0.1936	1.4092	0.2862	0.3578	0.4075	1.0515
726	32.4	34.3	0.0035	1.2104	0.1932	1.4071	0.2979	0.3647	0.4194	1.0819
727	34.8	34.1	0.0047	1.2099	0.1928	1.4074	0.2997	0.3698	0.428	1.0975
728	32.2	33.9	0.0041	1.2093	0.1921	1.4055	0.3048	0.3878	0.4235	1.1161
729	35.1	33.7	0.0013	1.2088	0.1914	1.4014	0.3113	0.4059	0.4105	1.1277
730	31.4	33.6	0.0015	1.208	0.1905	1.4	0.3194	0.424	0.3922	1.1355
731	35	33.6	0.0027	1.2081	0.1903	1.4011	0.3208	0.4366	0.3791	1.1365

732	33.4	33.6	0.0033	1.2079	0.1902	1.4014	0.3354	0.4429	0.3706	1.149
733	34.6	33.7	0.0021	1.2083	0.1899	1.4003	0.3392	0.4494	0.3764	1.165
734	34.5	33.7	0.0007	1.2092	0.1894	1.3993	0.3428	0.486	0.3705	1.1993
735	34.4	33.8	-0.0013	1.2081	0.1894	1.3962	0.3368	0.5046	0.3665	1.2078
736	33.4	34	-0.001	1.2075	0.1894	1.3959	0.3124	0.4979	0.3888	1.1991
737	33.6	33.9	-0.001	1.2069	0.1893	1.3952	0.2758	0.5197	0.3862	1.1817
738	32.6	34	-0.0022	1.2063	0.1888	1.393	0.2672	0.521	0.3567	1.1449
739	33.9	34	-0.0025	1.206	0.1886	1.392	0.2879	0.5102	0.3213	1.1194
740	34.9	34.1	-0.0019	1.206	0.1883	1.3924	0.2853	0.5114	0.3142	1.111
741	33.5	34	-0.0013	1.2062	0.1872	1.3921	0.28	0.5081	0.3122	1.1003
742	35.1	33.9	-0.0032	1.2033	0.1881	1.3882	0.281	0.5258	0.3022	1.1089
743	34	33.7	-0.0029	1.2028	0.1871	1.387	0.2711	0.5297	0.2958	1.0967
744	33.9	33.6	-0.0026	1.2012	0.1869	1.3855	0.2656	0.5007	0.2951	1.0615
745	35.2	33.4	-0.0026	1.2011	0.1855	1.384	0.2712	0.479	0.3028	1.053
746	33.8	33.5	-0.0044	1.2003	0.1856	1.3815	0.2682	0.4573	0.3002	1.0257
747	34.4	33.5	-0.0049	1.1987	0.1859	1.3796	0.2853	0.4221	0.2968	1.0042
748	34.5	33.5	-0.005	1.1985	0.1855	1.3789	0.3049	0.405	0.3244	1.0343
749	32.4	33.3	-0.0051	1.1989	0.1846	1.3785	0.3187	0.3813	0.347	1.047
750	32.9	33.2	-0.0056	1.1971	0.185	1.3765	0.3374	0.3787	0.3593	1.0755
751	32.3	33.1	-0.0061	1.1957	0.1863	1.3758	0.3341	0.3934	0.342	1.0696
752	31.2	33	-0.0055	1.1955	0.186	1.3759	0.3287	0.4179	0.3341	1.0807
753	31.4	32.9	-0.0047	1.1945	0.186	1.3758	0.3303	0.4371	0.328	1.0954
754	32.1	32.9	-0.0057	1.1945	0.187	1.3757	0.3367	0.4385	0.3178	1.0929
755	35	32.8	-0.0064	1.1945	0.1867	1.3748	0.3268	0.4388	0.3238	1.0894
756	33.9	32.7	-0.0066	1.1936	0.1869	1.3739	0.3369	0.4616	0.3018	1.1003
757	31.3	32.6	-0.0061	1.1939	0.1863	1.3742	0.3182	0.4833	0.2854	1.087
758	31.4	32.4	-0.0051	1.1932	0.1869	1.375	0.3166	0.489	0.2947	1.1003
759	31.9	32.5	-0.0048	1.194	0.1865	1.3758	0.2988	0.5278	0.2949	1.1216
760	32.9	32.4	-0.0045	1.1946	0.1859	1.376	0.299	0.5458	0.2845	1.1293
761	32.8	32.4	-0.0046	1.1945	0.1854	1.3753	0.327	0.5299	0.2605	1.1174
762	32.3	32.5	-0.0064	1.1948	0.184	1.3724	0.3454	0.5018	0.2636	1.1108
763	32.7	32.5	-0.0097	1.1951	0.1835	1.3689	0.3478	0.4912	0.2682	1.1073
764	34.1	32.5	-0.0118	1.1952	0.1814	1.3649	0.3468	0.4801	0.2628	1.0898
765	31.1	32.3	-0.0118	1.196	0.1803	1.3645	0.3532	0.4624	0.2765	1.0921
766	32.3	32.2	-0.0116	1.1943	0.1808	1.3635	0.3346	0.463	0.2852	1.0828
767	31.6	32.4	-0.0109	1.192	0.1809	1.3621	0.3094	0.4552	0.2728	1.0375
768	33.9	32.5	-0.0112	1.1924	0.1812	1.3624	0.3002	0.4591	0.2835	1.0428

769	31.9	32.5	-0.0105	1.1921	0.181	1.3625	0.3138	0.4682	0.2624	1.0444
770	31.9	32.5	-0.0101	1.1921	0.1814	1.3634	0.3303	0.4525	0.2643	1.0471
771	32.9	32.4	-0.0106	1.1933	0.1817	1.3645	0.3229	0.4632	0.2672	1.0534
772	32.4	32.3	-0.011	1.1938	0.1817	1.3645	0.2965	0.4697	0.2766	1.0428
773	31.4	32.2	-0.011	1.1939	0.1809	1.3638	0.2801	0.4692	0.2908	1.0402
774	30.9	32	-0.0115	1.1927	0.1787	1.3599	0.2712	0.4799	0.2908	1.0419
775	33.1	32	-0.0119	1.1903	0.1776	1.356	0.2643	0.5028	0.2998	1.0669
776	34	32	-0.0108	1.19	0.1765	1.3557	0.2656	0.4842	0.2999	1.0497
777	32.7	32	-0.0116	1.1886	0.177	1.354	0.2947	0.4688	0.3022	1.0657
778	33.1	31.8	-0.013	1.1876	0.1771	1.3517	0.2989	0.4584	0.3	1.0573
779	31.8	31.8	-0.0137	1.1869	0.1765	1.3497	0.3068	0.4535	0.3066	1.067
780	30.8	31.6	-0.0133	1.1867	0.1759	1.3493	0.2574	0.4691	0.293	1.0195
781	31.1	31.5	-0.0138	1.186	0.1757	1.348	0.26	0.4699	0.2855	1.0154
782	30.3	31.4	-0.0137	1.1856	0.1746	1.3464	0.2752	0.4868	0.2967	1.0587
783	30.5	31.3	-0.0143	1.1829	0.1745	1.3431	0.2777	0.4874	0.3023	1.0674
784	31.9	31.3	-0.0153	1.1816	0.1746	1.3409	0.2644	0.5029	0.2928	1.0601
785	32	31.2	-0.0152	1.1814	0.1739	1.3402	0.2587	0.5187	0.2772	1.0546
786	31.7	31.1	-0.0143	1.1787	0.1742	1.3386	0.2437	0.5117	0.2708	1.0262
787	30.2	31.1	-0.0138	1.1775	0.1763	1.34	0.2539	0.4988	0.2746	1.0272
788	30.9	31	-0.0143	1.1774	0.1771	1.3402	0.2705	0.4911	0.2691	1.0307
789	29.2	31	-0.0148	1.1773	0.1766	1.3391	0.2684	0.474	0.2702	1.0126
790	30.9	31	-0.0151	1.179	0.1768	1.3407	0.2553	0.469	0.2803	1.0045
791	29.4	31	-0.0151	1.179	0.1766	1.3405	0.266	0.4674	0.2715	1.005
792	30.3	31.1	-0.014	1.1792	0.1756	1.3408	0.2783	0.4766	0.252	1.0069
793	30.7	31.2	-0.0138	1.1789	0.1758	1.3408	0.2566	0.4627	0.2719	0.9912
794	31.4	31.1	-0.014	1.1791	0.1749	1.34	0.2526	0.478	0.2617	0.9922
795	31.5	31.1	-0.0148	1.1797	0.1743	1.3393	0.252	0.4695	0.2602	0.9817
796	32	31	-0.0155	1.1807	0.1737	1.3388	0.2616	0.475	0.2512	0.9878
797	32.3	31.2	-0.0168	1.1813	0.1715	1.3361	0.253	0.484	0.2567	0.9937
798	32.1	31.3	-0.0183	1.1825	0.1706	1.3347	0.2457	0.4522	0.2788	0.9768
799	30.5	31.5	-0.0197	1.182	0.17	1.3323	0.2435	0.4488	0.2785	0.9708
800	31.6	31.6	-0.0194	1.1806	0.1705	1.3317	0.2495	0.4725	0.2508	0.9728
801	31.3	31.7	-0.0196	1.1792	0.17	1.3296	0.2474	0.4437	0.2549	0.946
802	32.1	31.7	-0.0202	1.1782	0.1699	1.3279	0.2435	0.4288	0.2767	0.9489
803	31.4	31.7	-0.0213	1.1767	0.171	1.3264	0.2395	0.436	0.2813	0.9569
804	30.5	31.6	-0.022	1.1758	0.1707	1.3245	0.2443	0.4273	0.279	0.9506
805	31	31.5	-0.0226	1.1757	0.1709	1.3241	0.2396	0.4326	0.3024	0.9745

806	33.2	31.4	-0.0228	1.1743	0.1703	1.3218	0.2288	0.4288	0.3143	0.9719
807	33.1	31.1	-0.0235	1.173	0.1694	1.3189	0.2344	0.4167	0.3215	0.9727
808	32.3	31.1	-0.0232	1.17	0.1683	1.3151	0.2411	0.4124	0.3274	0.9808
809	33.1	31.1	-0.0225	1.1681	0.1682	1.3138	0.2535	0.4033	0.3518	1.0086
810	32.2	31.1	-0.0234	1.1674	0.1701	1.3141	0.2538	0.4136	0.3592	1.0266
811	30.8	31.1	-0.0242	1.168	0.17	1.3138	0.2589	0.4267	0.366	1.0516
812	30.2	31	-0.0246	1.1684	0.1707	1.3144	0.2617	0.4367	0.3701	1.0685
813	29.5	31	-0.0247	1.1683	0.1719	1.3154	0.2403	0.4483	0.3566	1.0452
814	29.2	31.1	-0.0258	1.1684	0.1713	1.314	0.21	0.4601	0.3589	1.029
815	29.2	31	-0.0249	1.1678	0.1708	1.3137	0.1898	0.4687	0.341	0.9994
816	28.2	30.9	-0.0234	1.1682	0.171	1.3158	0.1872	0.4981	0.336	1.0214
817	31.1	30.8	-0.0232	1.1678	0.1698	1.3144	0.1885	0.5001	0.3426	1.0311
818	30.8	30.9	-0.0238	1.1675	0.1698	1.3134	0.2013	0.4786	0.3369	1.0168
819	30.9	30.8	-0.0254	1.1676	0.1693	1.3115	0.2044	0.4751	0.3415	1.021
820	31.5	30.9	-0.0255	1.1672	0.1689	1.3106	0.2132	0.4681	0.3378	1.0191
821	31.6	31.1	-0.0239	1.1673	0.1676	1.311	0.2142	0.4618	0.353	1.0289
822	30.9	31.3	-0.0223	1.1676	0.1656	1.311	0.2071	0.4797	0.3646	1.0514
823	31.3	31.6	-0.0221	1.1669	0.165	1.3098	0.1985	0.4919	0.366	1.0564
824	30.3	31.9	-0.0228	1.1644	0.1637	1.3053	0.1987	0.5019	0.3606	1.0611
825	30.2	32.1	-0.0232	1.1638	0.1636	1.3042	0.1943	0.4969	0.3534	1.0446
826	31.1	32.4	-0.026	1.1636	0.1629	1.3005	0.1906	0.4632	0.3466	1.0005
827	34	32.4	-0.0252	1.1641	0.1628	1.3017	0.2043	0.4623	0.3368	1.0034
828	33.1	32.3	-0.0266	1.1639	0.1615	1.2988	0.2083	0.4465	0.3566	1.0114
829	33.2	32.3	-0.0245	1.1619	0.1621	1.2995	0.198	0.4502	0.3603	1.0085
830	33.8	32.2	-0.0245	1.161	0.162	1.2984	0.1827	0.4566	0.3546	0.9939
831	35	32.1	-0.0248	1.1594	0.1606	1.2952	0.1878	0.4513	0.343	0.9821
832	35.3	32.1	-0.0245	1.1592	0.1599	1.2947	0.192	0.4512	0.3213	0.9645
833	34.1	32.1	-0.0243	1.158	0.1606	1.2943	0.2039	0.4492	0.2952	0.9482
834	33.5	32.1	-0.0251	1.1573	0.1617	1.2939	0.2009	0.4202	0.2928	0.9139
835	33.1	32.1	-0.0257	1.157	0.1623	1.2936	0.1858	0.4082	0.292	0.886
836	30.9	32.1	-0.0264	1.1577	0.1619	1.2932	0.1836	0.4001	0.2965	0.8802
837	30	31.9	-0.028	1.1578	0.1624	1.2922	0.213	0.3696	0.3066	0.8891
838	30.5	31.8	-0.029	1.159	0.1618	1.2917	0.2234	0.349	0.3537	0.9261
839	29.7	31.7	-0.028	1.1591	0.1605	1.2916	0.2066	0.3535	0.3688	0.9289
840	30.1	31.4	-0.0285	1.1593	0.1611	1.2919	0.2018	0.3711	0.371	0.9439
841	30.1	31.3	-0.0292	1.1586	0.162	1.2914	0.1976	0.4063	0.3776	0.9815
842	31.4	31	-0.0288	1.157	0.1609	1.2891	0.2014	0.4171	0.3737	0.9922

843	30.8	30.8	-0.0281	1.155	0.1609	1.2878	0.2134	0.4345	0.3639	1.0118
844	30.1	30.6	-0.0278	1.1542	0.1609	1.2873	0.2125	0.4276	0.3611	1.0012
845	30.7	30.4	-0.0288	1.1536	0.1604	1.2852	0.2026	0.4349	0.3539	0.9914
846	31.3	30.3	-0.0297	1.1519	0.16	1.2822	0.1994	0.4287	0.3606	0.9886
847	30.3	30.2	-0.0295	1.1535	0.158	1.282	0.1994	0.4352	0.3503	0.985
848	31.4	30	-0.0294	1.1536	0.1576	1.2818	0.2187	0.4462	0.3136	0.9785
849	29.3	30	-0.03	1.1517	0.1595	1.2812	0.2071	0.4622	0.3088	0.9781
850	31.6	30	-0.0304	1.1528	0.1595	1.2819	0.1853	0.4622	0.3367	0.9843
851	30.4	30	-0.0305	1.1528	0.1586	1.2809	0.1721	0.4745	0.3406	0.9872
852	30.2	30	-0.0295	1.1519	0.1578	1.2802	0.1699	0.4606	0.3375	0.968
853	28.8	29.9	-0.0292	1.1518	0.1581	1.2807	0.1723	0.4517	0.34	0.964
854	29.6	29.9	-0.0297	1.1512	0.1568	1.2783	0.1739	0.4288	0.3489	0.9516
855	29	29.9	-0.0293	1.1516	0.1553	1.2776	0.1785	0.4147	0.3466	0.9398
856	27.8	29.8	-0.0301	1.1519	0.1548	1.2766	0.1586	0.4166	0.3616	0.9369
857	28.4	29.8	-0.0302	1.1526	0.1536	1.2761	0.1456	0.4169	0.3697	0.9321
858	29.3	29.8	-0.0305	1.1529	0.1518	1.2741	0.1462	0.4083	0.3632	0.9177
859	29.3	29.9	-0.0302	1.1526	0.1506	1.2731	0.1609	0.3878	0.3546	0.9033
860	29.8	29.8	-0.0304	1.1519	0.1493	1.2708	0.1626	0.3972	0.3587	0.9186
861	31	29.7	-0.0308	1.1509	0.1484	1.2685	0.1602	0.4186	0.3747	0.9534
862	30.6	29.7	-0.0304	1.15	0.1483	1.2679	0.1516	0.4319	0.3621	0.9456
863	28.9	29.7	-0.0307	1.1491	0.1476	1.266	0.1522	0.4459	0.3622	0.9603
864	31	29.7	-0.0308	1.1484	0.1473	1.2649	0.1564	0.449	0.3698	0.9753
865	29.2	29.8	-0.0305	1.1462	0.1467	1.2624	0.1504	0.4588	0.3678	0.977
866	30.7	29.9	-0.0304	1.1443	0.1465	1.2604	0.1563	0.4586	0.3762	0.9911
867	31.5	30.1	-0.031	1.1441	0.1473	1.2604	0.1653	0.4808	0.3913	1.0374
868	31.1	30.2	-0.0316	1.1449	0.1471	1.2603	0.1666	0.4808	0.3832	1.0306
869	29.5	30.2	-0.0318	1.1453	0.1472	1.2606	0.1712	0.4818	0.3844	1.0374
870	29.1	30.1	-0.0315	1.1459	0.1461	1.2605	0.1619	0.4901	0.3851	1.037
871	29.3	30.1	-0.0313	1.1454	0.1453	1.2593	0.1569	0.473	0.4145	1.0443
872	29.4	30	-0.0308	1.1446	0.1451	1.2589	0.1583	0.4511	0.4093	1.0187
873	29.9	30	-0.0309	1.1437	0.1448	1.2577	0.1721	0.4569	0.3884	1.0174
874	30.8	29.9	-0.0309	1.143	0.1433	1.2554	0.1866	0.4645	0.3825	1.0336
875	29.8	29.9	-0.031	1.144	0.1429	1.2559	0.1833	0.435	0.3732	0.9916
876	31.5	29.9	-0.0313	1.1438	0.1428	1.2554	0.184	0.427	0.38	0.991
877	30.6	29.9	-0.0324	1.1439	0.1413	1.2529	0.1577	0.4275	0.3733	0.9585
878	30.1	29.9	-0.0328	1.1426	0.141	1.2508	0.1752	0.4321	0.3758	0.9831
879	28.8	29.9	-0.032	1.1413	0.141	1.2503	0.1831	0.4211	0.3525	0.9566

880	29.8	30.1	-0.0321	1.1415	0.1416	1.2511	0.2092	0.4101	0.3456	0.965
881	29.1	30.2	-0.033	1.1409	0.1436	1.2515	0.213	0.4045	0.3435	0.961
882	28.5	30.3	-0.0341	1.1406	0.1451	1.2516	0.2078	0.3909	0.3358	0.9344
883	28.9	30.4	-0.0344	1.1408	0.1452	1.2517	0.2144	0.3916	0.3254	0.9314
884	29.3	30.4	-0.0339	1.1408	0.1454	1.2523	0.211	0.3892	0.3266	0.9268
885	31.3	30.4	-0.0335	1.1414	0.1443	1.2522	0.2027	0.3938	0.3443	0.9408
886	31.3	30.3	-0.0356	1.1418	0.1436	1.2497	0.1983	0.392	0.3564	0.9467
887	30.4	30.2	-0.0362	1.1426	0.1409	1.2474	0.1943	0.4094	0.3501	0.9538
888	31.2	30.3	-0.0349	1.142	0.1402	1.2473	0.1853	0.4107	0.3535	0.9496
889	32.5	30.4	-0.035	1.1402	0.1395	1.2447	0.1811	0.4218	0.3413	0.9442
890	31.4	30.3	-0.0349	1.1384	0.139	1.2426	0.1939	0.4336	0.3205	0.948
891	31.2	30.4	-0.0352	1.1373	0.1392	1.2413	0.1904	0.4479	0.3219	0.9602
892	30.7	30.4	-0.0353	1.1357	0.1392	1.2397	0.1842	0.4429	0.3315	0.9587
893	31.4	30.5	-0.0351	1.1362	0.1396	1.2407	0.1901	0.4291	0.3227	0.9419
894	29.9	30.4	-0.0342	1.1356	0.1395	1.2408	0.1938	0.4153	0.3272	0.9363
895	29.6	30.3	-0.0347	1.1369	0.1382	1.2404	0.181	0.4106	0.331	0.9226
896	28.7	30.2	-0.0354	1.1372	0.1386	1.2404	0.1659	0.4221	0.325	0.913
897	30.8	30.1	-0.0386	1.1367	0.1402	1.2382	0.1641	0.422	0.3234	0.9095
898	30.8	30	-0.0391	1.1362	0.1397	1.2369	0.169	0.434	0.3088	0.9118
899	29.7	29.9	-0.0382	1.1358	0.1363	1.2339	0.1599	0.4272	0.3193	0.9064
900	30.2	29.8	-0.0367	1.1331	0.1365	1.2329	0.1526	0.3993	0.3542	0.9061
901	29.2	29.7	-0.0366	1.1332	0.1362	1.2328	0.151	0.4122	0.3629	0.9261
902	29	29.5	-0.0374	1.133	0.1359	1.2315	0.1414	0.418	0.365	0.9244
903	28.1	29.4	-0.0387	1.1339	0.1361	1.2313	0.1614	0.4098	0.3536	0.9248
904	28.8	29.3	-0.0398	1.1343	0.1361	1.2306	0.1755	0.4145	0.3568	0.9468
905	29.4	29.3	-0.0385	1.1341	0.1348	1.2304	0.1662	0.425	0.3429	0.9341
906	29.6	29.4	-0.0374	1.1326	0.1333	1.2286	0.1661	0.4384	0.3216	0.9261
907	29.9	29.4	-0.0381	1.1322	0.1331	1.2271	0.1654	0.4488	0.3115	0.9258
908	30.3	29.3	-0.0393	1.1312	0.1328	1.2247	0.1679	0.4612	0.2941	0.9232
909	29.4	29.3	-0.0387	1.1284	0.1323	1.222	0.1689	0.4587	0.2704	0.8981
910	27.8	29.3	-0.0394	1.1255	0.1326	1.2187	0.171	0.4549	0.2718	0.8978
911	28.2	29.1	-0.0394	1.1248	0.1338	1.2192	0.1698	0.4352	0.2777	0.8826
912	28.5	29.1	-0.0399	1.1238	0.1344	1.2184	0.1585	0.4271	0.283	0.8686
913	28.9	29.1	-0.0403	1.1234	0.1349	1.2179	0.1395	0.4343	0.2966	0.8704
914	30	29	-0.0408	1.1226	0.1345	1.2163	0.1221	0.4461	0.2979	0.8661
915	29.7	28.9	-0.0405	1.1219	0.1332	1.2146	0.1355	0.4578	0.2772	0.8704
916	30.5	28.8	-0.0399	1.1201	0.1319	1.2121	0.1616	0.438	0.2514	0.851

917	30.1	28.6	-0.0399	1.1197	0.1315	1.2114	0.1587	0.4165	0.259	0.8341
918	29.1	28.4	-0.0409	1.1193	0.1313	1.2097	0.1453	0.4023	0.2812	0.8288
919	29.7	28.2	-0.0416	1.1186	0.1308	1.2078	0.1316	0.4129	0.2938	0.8383
920	26.4	28.1	-0.0412	1.1199	0.1275	1.2062	0.1307	0.4411	0.2978	0.8697
921	27.9	28.1	-0.0398	1.1221	0.1267	1.2091	0.1427	0.4537	0.2795	0.876
922	28.3	28.1	-0.0395	1.1219	0.1268	1.2092	0.1525	0.4491	0.2656	0.8672
923	27.1	28	-0.0408	1.1205	0.1268	1.2065	0.1689	0.4369	0.2675	0.8733
924	27.9	28.1	-0.0412	1.1209	0.1264	1.2061	0.1664	0.4398	0.2821	0.8884
925	27.2	28.1	-0.0416	1.1211	0.1256	1.2051	0.1603	0.4525	0.2807	0.8936
926	26.7	28.1	-0.0417	1.1208	0.1256	1.2047	0.1622	0.4794	0.2791	0.9208
927	26.6	28.1	-0.0427	1.1208	0.1252	1.2034	0.1669	0.4862	0.2733	0.9263
928	25.5	28.2	-0.0449	1.1218	0.1262	1.2032	0.1531	0.5034	0.2627	0.9192
929	26	28.3	-0.0454	1.1209	0.1275	1.203	0.1413	0.4924	0.264	0.8976
930	27.3	28.5	-0.0458	1.1205	0.1276	1.2023	0.1502	0.5113	0.2401	0.9016
931	28.9	28.6	-0.0456	1.1204	0.127	1.2018	0.1562	0.5086	0.2318	0.8966
932	27.6	28.6	-0.0459	1.1201	0.1274	1.2016	0.1551	0.4878	0.2623	0.9052
933	30.4	28.7	-0.0454	1.1191	0.1279	1.2017	0.1486	0.4801	0.2784	0.9071
934	30	28.8	-0.0454	1.118	0.1273	1.1998	0.1443	0.4822	0.3005	0.927
935	30.2	28.8	-0.0455	1.1178	0.1267	1.199	0.1466	0.4903	0.3123	0.9492
936	30.4	29	-0.0458	1.1167	0.1269	1.1978	0.1485	0.5036	0.3049	0.957
937	30.6	29.1	-0.0466	1.1167	0.1271	1.1972	0.1244	0.5158	0.2952	0.9353
938	32	29.3	-0.0471	1.1168	0.1277	1.1973	0.1225	0.5352	0.2704	0.9281
939	30.4	29.5	-0.0474	1.1157	0.1285	1.1968	0.137	0.5421	0.2636	0.9427
940	29.8	29.5	-0.0476	1.1145	0.1289	1.1958	0.1345	0.5337	0.2592	0.9274
941	29.4	29.4	-0.0476	1.1143	0.1288	1.1955	0.1326	0.5246	0.2589	0.916
942	28.9	29.5	-0.0479	1.1141	0.1286	1.1949	0.128	0.5251	0.259	0.9122
943	29.3	29.4	-0.0475	1.1135	0.1282	1.1942	0.1251	0.5092	0.2698	0.9041
944	28	29.2	-0.0459	1.1131	0.1278	1.195	0.1332	0.5032	0.2799	0.9162
945	29	29.1	-0.0454	1.1114	0.1279	1.1939	0.1459	0.5017	0.2774	0.925
946	29	29	-0.0461	1.1097	0.1276	1.1912	0.1341	0.5263	0.2757	0.9361
947	29.5	28.8	-0.0464	1.1101	0.1271	1.1908	0.1242	0.5325	0.2809	0.9377
948	29.3	28.6	-0.0454	1.1109	0.1257	1.1912	0.0908	0.5405	0.3008	0.9321
949	28	28.6	-0.0453	1.1118	0.1241	1.1906	0.0835	0.5461	0.2975	0.9272
950	27.5	28.5	-0.0455	1.1115	0.1232	1.1893	0.0899	0.5405	0.2604	0.8907
951	28.1	28.4	-0.0446	1.111	0.1221	1.1885	0.1065	0.512	0.2622	0.8806
952	28.6	28.4	-0.0456	1.1109	0.1225	1.1878	0.1025	0.5056	0.2709	0.879
953	27.2	28.4	-0.0467	1.1103	0.1224	1.186	0.0966	0.5047	0.2736	0.8748

954	28.8	28.6	-0.0463	1.1087	0.1225	1.1849	0.0761	0.517	0.2809	0.874
955	27.7	28.6	-0.0459	1.1078	0.1231	1.185	0.0705	0.5231	0.2799	0.8734
956	27.2	28.6	-0.0466	1.107	0.1236	1.184	0.0917	0.5278	0.2556	0.8751
957	28.4	28.5	-0.047	1.1065	0.1242	1.1838	0.1021	0.5153	0.2336	0.851
958	29.2	28.5	-0.0474	1.107	0.1247	1.1843	0.101	0.5077	0.2298	0.8385
959	28.4	28.5	-0.0473	1.1071	0.1234	1.1833	0.0834	0.4913	0.2408	0.8155
960	27.8	28.5	-0.0474	1.1084	0.1216	1.1826	0.0863	0.4647	0.249	0.8
961	29.3	28.5	-0.0466	1.1082	0.1201	1.1816	0.0801	0.4567	0.255	0.7918
962	29.3	28.4	-0.0444	1.1065	0.1186	1.1808	0.0806	0.466	0.2699	0.8165
963	30.4	28.4	-0.0429	1.1045	0.1178	1.1794	0.0793	0.4623	0.2811	0.8228
964	30.1	28.4	-0.0443	1.1026	0.1196	1.1779	0.0862	0.4641	0.2827	0.833
965	29.4	28.5	-0.0467	1.1024	0.1216	1.1773	0.0968	0.458	0.2758	0.8306
966	26.9	28.5	-0.0463	1.1026	0.1206	1.177	0.1044	0.4434	0.2592	0.8069
967	29.2	28.5	-0.0455	1.1039	0.1191	1.1775	0.0909	0.4328	0.2728	0.7966
968	27.4	28.5	-0.0448	1.1036	0.1177	1.1765	0.0888	0.4408	0.2682	0.7978
969	27.5	28.5	-0.0449	1.1012	0.1174	1.1736	0.0743	0.461	0.2712	0.8064
970	28.2	28.5	-0.0457	1.1005	0.1181	1.1729	0.0739	0.4645	0.2781	0.8165
971	27.7	28.5	-0.0466	1.1005	0.1187	1.1726	0.0844	0.4891	0.2536	0.8272
972	27.3	28.5	-0.0477	1.1009	0.1184	1.1716	0.1038	0.5207	0.245	0.8695
973	28.3	28.5	-0.0475	1.0998	0.1166	1.1689	0.1109	0.525	0.2411	0.877
974	28.9	28.4	-0.0469	1.0977	0.1153	1.166	0.1016	0.5224	0.2439	0.8679
975	28.6	28.4	-0.0472	1.0961	0.115	1.1639	0.0952	0.5419	0.2499	0.887
976	28.3	28.5	-0.048	1.0952	0.1155	1.1627	0.1016	0.5587	0.2506	0.9108
977	28.8	28.4	-0.0477	1.0936	0.1151	1.1609	0.1101	0.5636	0.2577	0.9314
978	27.9	28.5	-0.0469	1.0933	0.1146	1.1611	0.1019	0.5711	0.2546	0.9275
979	28.4	28.4	-0.047	1.0902	0.117	1.1602	0.0948	0.5952	0.2547	0.9447
980	28.5	28.5	-0.0477	1.0907	0.1185	1.1614	0.1005	0.5906	0.2656	0.9567
981	30.5	28.6	-0.0485	1.0921	0.1174	1.161	0.1	0.5994	0.258	0.9574
982	29.5	28.8	-0.049	1.0926	0.1173	1.1609	0.0957	0.6051	0.2616	0.9624
983	27.8	28.7	-0.0488	1.0926	0.1152	1.159	0.0902	0.5979	0.2797	0.9677
984	29.5	28.7	-0.0485	1.0917	0.1141	1.1573	0.0958	0.6008	0.2836	0.9802
985	28.4	28.8	-0.0484	1.091	0.1138	1.1565	0.0859	0.6013	0.2837	0.971
986	28.7	28.9	-0.048	1.0902	0.1141	1.1562	0.0769	0.6044	0.2905	0.9718
987	28	28.9	-0.0484	1.0891	0.1139	1.1546	0.075	0.5885	0.2912	0.9547
988	27	29	-0.0486	1.0878	0.1138	1.153	0.0655	0.5908	0.2886	0.9449
989	28.7	28.9	-0.0484	1.0868	0.1136	1.152	0.0734	0.5926	0.2816	0.9476
990	30.3	28.9	-0.0481	1.086	0.1132	1.151	0.0764	0.5851	0.2859	0.9475

991	30.3	28.9	-0.048	1.0848	0.1133	1.1501	0.0839	0.5714	0.2932	0.9485
992	27.8	28.9	-0.0478	1.0848	0.1123	1.1492	0.084	0.5713	0.3137	0.9691
993	28.7	29	-0.0484	1.0858	0.1117	1.1491	0.0836	0.5733	0.3245	0.9814
994	30.4	28.9	-0.0488	1.0854	0.1117	1.1483	0.0804	0.5784	0.3312	0.9899
995	30.1	28.9	-0.0481	1.0842	0.1107	1.1468	0.0991	0.5948	0.3321	1.026
996	29	28.9	-0.0478	1.0839	0.1105	1.1466	0.1001	0.5987	0.3323	1.031
997	28.5	29	-0.0477	1.0826	0.1101	1.145	0.0897	0.6096	0.3145	1.0138
998	27.8	29	-0.0474	1.0816	0.1099	1.1441	0.0941	0.621	0.2932	1.0083
999	28.9	29	-0.0472	1.0817	0.1103	1.1448	0.1125	0.6308	0.2721	1.0154
1000	29.6	28.9	-0.0473	1.0819	0.1103	1.1449	0.1147	0.6393	0.2492	1.0032
1001	28.6	28.8	-0.0468	1.0826	0.1092	1.1449	0.112	0.6338	0.236	0.9817
1002	30.1	28.8	-0.0471	1.0826	0.1085	1.1441	0.1242	0.6157	0.2195	0.9595
1003	28.7	28.8	-0.0463	1.0822	0.108	1.1439	0.1065	0.6104	0.2314	0.9483
1004	28.4	28.8	-0.0469	1.082	0.1081	1.1432	0.0939	0.5845	0.2352	0.9136
1005	28.6	28.8	-0.0476	1.0813	0.1092	1.1429	0.0982	0.5635	0.2383	0.9
1006	28.8	28.8	-0.0476	1.0811	0.1099	1.1435	0.0894	0.5681	0.2561	0.9135
1007	27.7	28.8	-0.0482	1.0814	0.1101	1.1432	0.0792	0.5878	0.264	0.931
1008	28.5	28.9	-0.0477	1.0821	0.1087	1.1432	0.0757	0.5839	0.2827	0.9422
1009	29.4	28.9	-0.0473	1.0819	0.1074	1.142	0.0829	0.5833	0.2891	0.9554
1010	28.4	28.9	-0.0474	1.0798	0.1071	1.1396	0.0905	0.5841	0.277	0.9516
1011	27.8	28.9	-0.0475	1.0782	0.1068	1.1376	0.086	0.6014	0.2638	0.9512
1012	28.2	28.9	-0.0478	1.0776	0.1063	1.1361	0.0965	0.6114	0.2583	0.9662
1013	29.9	29.1	-0.049	1.077	0.1066	1.1346	0.1127	0.6118	0.2535	0.9781
1014	29.9	29.2	-0.0505	1.0768	0.107	1.1332	0.1292	0.6103	0.2487	0.9883
1015	29.2	29.2	-0.051	1.0776	0.1073	1.1339	0.1139	0.6148	0.2613	0.9899
1016	28.8	29.3	-0.049	1.0769	0.1046	1.1325	0.0899	0.6224	0.2741	0.9864
1017	29.7	29.3	-0.0488	1.0757	0.1047	1.1316	0.09	0.6245	0.2658	0.9803
1018	29.8	29.4	-0.0484	1.0732	0.1042	1.1291	0.0978	0.6447	0.2452	0.9877
1019	29.5	29.3	-0.0489	1.0722	0.103	1.1262	0.1047	0.6544	0.2255	0.9846
1020	28.5	29.4	-0.0497	1.071	0.1021	1.1235	0.1004	0.6309	0.2212	0.9526
1021	30.3	29.4	-0.0502	1.0701	0.1022	1.1221	0.0881	0.6185	0.2285	0.9351
1022	31	29.5	-0.0506	1.0694	0.1027	1.1215	0.0834	0.6213	0.2325	0.9371
1023	30.6	29.4	-0.0509	1.0682	0.1024	1.1197	0.0762	0.6214	0.2373	0.9349
1024	29.7	29.4	-0.0507	1.0668	0.1014	1.1174	0.0831	0.6	0.2313	0.9144
1025	29.5	29.4	-0.0517	1.0653	0.1005	1.1141	0.0947	0.5814	0.2309	0.907
1026	29.1	29.5	-0.0528	1.0645	0.0998	1.1115	0.0927	0.5621	0.2353	0.8901
1027	29.4	29.5	-0.0529	1.0637	0.0998	1.1106	0.0817	0.5553	0.2515	0.8884

1028	27.5	29.5	-0.0543	1.0623	0.1008	1.1087	0.0807	0.548	0.2477	0.8764
1029	30.2	29.5	-0.0554	1.0618	0.1009	1.1073	0.0857	0.5695	0.245	0.9002
1030	28.4	29.5	-0.0558	1.0606	0.1018	1.1066	0.0733	0.5597	0.2654	0.8983
1031	29.4	29.3	-0.0552	1.0598	0.1009	1.1055	0.064	0.5748	0.2766	0.9154
1032	28.6	29.2	-0.0549	1.0603	0.0994	1.1048	0.0655	0.5884	0.2603	0.9142
1033	28.8	29	-0.055	1.059	0.0996	1.1036	0.0749	0.5944	0.2491	0.9184
1034	30.2	28.9	-0.054	1.0578	0.0989	1.1027	0.0882	0.5943	0.2322	0.9147
1035	30.4	28.7	-0.0532	1.0573	0.0976	1.1018	0.0941	0.5878	0.2352	0.9171
1036	29.7	28.6	-0.0533	1.0579	0.0978	1.1024	0.0936	0.5884	0.2512	0.9332
1037	30.8	28.6	-0.0531	1.0576	0.0982	1.1027	0.0901	0.6096	0.27	0.9698
1038	28.9	28.7	-0.0545	1.0575	0.0995	1.1026	0.0795	0.6248	0.2701	0.9743
1039	28.1	28.7	-0.0551	1.0572	0.0999	1.102	0.0699	0.6299	0.2587	0.9585
1040	27.4	28.8	-0.056	1.0573	0.0996	1.101	0.0597	0.6363	0.2489	0.9449
1041	27.6	28.8	-0.056	1.0571	0.0975	1.0986	0.0663	0.6397	0.2446	0.9506
1042	27.6	28.9	-0.0562	1.0568	0.0962	1.0967	0.0654	0.6327	0.2486	0.9467
1043	26.8	29	-0.0556	1.0556	0.0951	1.0952	0.071	0.6255	0.2449	0.9415
1044	26.7	29	-0.0558	1.0537	0.0946	1.0924	0.0739	0.6261	0.2406	0.9407
1045	27.9	28.9	-0.0554	1.0515	0.0947	1.0908	0.0725	0.6291	0.2437	0.9453
1046	27.9	28.9	-0.0551	1.0487	0.0962	1.0898	0.0725	0.6159	0.2332	0.9216
1047	29.7	28.7	-0.0558	1.048	0.0978	1.09	0.0645	0.6143	0.2348	0.9135
1048	30	28.6	-0.0566	1.0478	0.0985	1.0896	0.0638	0.6073	0.2335	0.9046
1049	30.3	28.5	-0.0567	1.0478	0.0992	1.0903	0.0723	0.6004	0.2337	0.9063
1050	29.5	28.4	-0.0567	1.0482	0.0996	1.0911	0.0782	0.6052	0.2322	0.9156
1051	30.7	28.3	-0.057	1.0495	0.1001	1.0925	0.0689	0.6068	0.2296	0.9054
1052	29.9	28.2	-0.0562	1.0498	0.0993	1.0929	0.0797	0.6076	0.2224	0.9097
1053	30.5	28.2	-0.0561	1.0519	0.0989	1.0947	0.0694	0.6116	0.2187	0.8997
1054	29.4	28.2	-0.0561	1.0523	0.0986	1.0949	0.0778	0.6142	0.2162	0.9082
1055	28.6	28.3	-0.0549	1.051	0.0975	1.0937	0.08	0.6186	0.2131	0.9117
1056	27.9	28.4	-0.0545	1.0483	0.0972	1.0909	0.0819	0.607	0.2327	0.9216
1057	26.6	28.3	-0.0545	1.0481	0.0959	1.0895	0.083	0.6114	0.2496	0.9441
1058	26.6	28.2	-0.0557	1.0487	0.0958	1.0888	0.0863	0.639	0.2584	0.9838
1059	25.9	28.1	-0.0563	1.0487	0.0957	1.0882	0.1005	0.6628	0.2579	1.0212
1060	25.6	28.1	-0.056	1.0482	0.0952	1.0875	0.0983	0.6686	0.2513	1.0182
1061	25.8	28	-0.0563	1.047	0.0943	1.085	0.0924	0.6695	0.2516	1.0135
1062	26.6	27.9	-0.0556	1.0454	0.0933	1.083	0.0935	0.6693	0.2423	1.0051
1063	26.7	27.8	-0.0558	1.0435	0.0929	1.0806	0.0937	0.6801	0.2232	0.997
1064	28.9	27.7	-0.0557	1.0411	0.0935	1.0789	0.0768	0.6912	0.2259	0.9939

1065	29.9	27.8	-0.0557	1.0402	0.0942	1.0787	0.0702	0.6872	0.2436	1.001
1066	28.3	27.9	-0.0553	1.0402	0.0941	1.0789	0.0736	0.7047	0.2467	1.025
1067	28.4	28	-0.0553	1.0394	0.0946	1.0788	0.0977	0.702	0.219	1.0187
1068	28.7	28.1	-0.0553	1.0382	0.0951	1.078	0.1029	0.6951	0.2232	1.0212
1069	28.4	28.2	-0.055	1.0381	0.0953	1.0784	0.1053	0.6742	0.2318	1.0114
1070	29	28.3	-0.0546	1.0387	0.0953	1.0794	0.0964	0.6739	0.229	0.9993
1071	29.1	28.5	-0.0549	1.0383	0.0954	1.0789	0.0849	0.6693	0.2336	0.9878
1072	27.9	28.6	-0.0553	1.0388	0.0946	1.0781	0.0741	0.6645	0.2376	0.9762
1073	28.3	28.7	-0.0558	1.0398	0.0935	1.0774	0.0619	0.6675	0.2348	0.9643
1074	28.8	28.7	-0.0564	1.0396	0.0922	1.0753	0.0574	0.6622	0.2253	0.9449
1075	29.8	28.6	-0.0565	1.0399	0.0915	1.0749	0.0579	0.6607	0.2145	0.9331
1076	29.1	28.6	-0.0561	1.0397	0.0904	1.0739	0.0422	0.6538	0.206	0.902
1077	28.7	28.6	-0.0558	1.0388	0.0903	1.0733	0.0305	0.6537	0.1925	0.8767
1078	28.2	28.6	-0.0555	1.0364	0.0901	1.0711	0.0322	0.641	0.1838	0.857
1079	28	28.6	-0.0543	1.0342	0.0905	1.0703	0.0254	0.6322	0.1914	0.849
1080	28.4	28.6	-0.0541	1.0332	0.0908	1.0699	0.0159	0.6268	0.2005	0.8432
1081	29.1	28.5	-0.055	1.0333	0.0913	1.0696	0.0184	0.6316	0.2161	0.8661
1082	28.5	28.5	-0.0565	1.0332	0.0923	1.0691	0.0167	0.6465	0.2149	0.8781
1083	28.3	28.5	-0.0576	1.0332	0.092	1.0676	0.0198	0.6652	0.2071	0.8922
1084	28.8	28.3	-0.0579	1.033	0.0906	1.0656	0.0212	0.6654	0.2077	0.8942
1085	28.7	28.1	-0.0577	1.0322	0.0887	1.0632	0.0236	0.6601	0.1995	0.8832
1086	27.9	28	-0.0571	1.0292	0.0871	1.0592	0.0341	0.6563	0.19	0.8804
1087	27.6	27.9	-0.0564	1.0266	0.0869	1.0571	0.0399	0.6694	0.1996	0.9089
1088	29	27.9	-0.0556	1.0248	0.088	1.0571	0.042	0.6771	0.2061	0.9253
1089	29.3	27.9	-0.0544	1.0232	0.0887	1.0575	0.033	0.6929	0.2182	0.944
1090	27.6	27.8	-0.0548	1.022	0.0887	1.0559	0.0332	0.6954	0.2161	0.9446
1091	28.1	27.8	-0.0545	1.0215	0.0884	1.0554	0.0325	0.6852	0.2268	0.9445
1092	27.1	27.6	-0.0549	1.0222	0.0878	1.0551	0.033	0.6908	0.2158	0.9396
1093	25.6	27.6	-0.0558	1.0232	0.0876	1.055	0.0304	0.7096	0.2046	0.9446
1094	25.8	27.5	-0.0561	1.0225	0.0874	1.0538	0.0342	0.727	0.1989	0.9601
1095	26.7	27.5	-0.0554	1.0227	0.0874	1.0546	0.026	0.7391	0.1909	0.9561
1096	27.4	27.6	-0.0543	1.0225	0.087	1.0552	0.0253	0.7231	0.192	0.9403
1097	27.9	27.7	-0.0541	1.0219	0.0867	1.0545	0.0266	0.701	0.2014	0.929
1098	28.1	27.7	-0.0546	1.0216	0.0866	1.0535	0.0106	0.69	0.2075	0.9082
1099	27.1	27.7	-0.055	1.0212	0.0871	1.0533	0.0038	0.6901	0.21	0.9039
1100	28.2	27.9	-0.0542	1.0212	0.0873	1.0543	0.0071	0.7009	0.2191	0.927
1101	26.3	28	-0.0548	1.0218	0.0869	1.054	0.0074	0.7087	0.2321	0.9482

1102	27.6	28.2	-0.054	1.0214	0.0867	1.0541	0.0054	0.7402	0.2326	0.9783
1103	27.5	28.5	-0.0541	1.0207	0.0864	1.053	0.0097	0.748	0.2296	0.9873
1104	28.5	28.7	-0.0549	1.0201	0.0868	1.052	0.0143	0.7717	0.2328	1.0188
1105	29.1	28.8	-0.0558	1.0206	0.0859	1.0507	0.0102	0.7724	0.2433	1.0259
1106	29.5	29	-0.0559	1.0199	0.085	1.0491	0.0302	0.7565	0.2235	1.0101
1107	28.5	29	-0.0569	1.0175	0.0843	1.0449	0.0351	0.7305	0.2101	0.9756
1108	30.2	29.1	-0.0577	1.0158	0.083	1.0411	0.0395	0.7334	0.1988	0.9717
1109	30.3	29.2	-0.0572	1.0151	0.0823	1.0402	0.0433	0.7495	0.197	0.9898
1110	31.1	29.3	-0.0566	1.0129	0.082	1.0382	0.0548	0.7593	0.2039	1.018
1111	31.3	29.4	-0.0568	1.0113	0.0826	1.0371	0.069	0.7619	0.2118	1.0428
1112	30.6	29.5	-0.0572	1.0096	0.084	1.0364	0.0703	0.7625	0.214	1.0467
1113	30.4	29.7	-0.0566	1.0078	0.084	1.0352	0.0745	0.7711	0.2125	1.0581
1114	28.2	29.7	-0.0575	1.008	0.0826	1.0331	0.068	0.7627	0.213	1.0437
1115	30.8	29.8	-0.0583	1.0071	0.0826	1.0314	0.0689	0.7447	0.2168	1.0304
1116	28.8	29.8	-0.0588	1.0066	0.0827	1.0306	0.0656	0.7714	0.2349	1.0719
1117	29.2	29.9	-0.0591	1.0062	0.0824	1.0295	0.0587	0.791	0.2335	1.0832
1118	29.3	29.9	-0.0589	1.0058	0.081	1.0279	0.0422	0.7934	0.2372	1.0727
1119	29.7	29.9	-0.0586	1.0048	0.0801	1.0263	0.0428	0.8047	0.24	1.0875
1120	28.9	29.9	-0.0581	1.0041	0.0788	1.0247	0.043	0.8156	0.2311	1.0897
1121	29	29.8	-0.0576	1.0036	0.0784	1.0245	0.044	0.8267	0.2235	1.0942
1122	30.1	29.7	-0.0568	1.0027	0.0792	1.0251	0.0432	0.8259	0.2255	1.0945
1123	30.3	29.6	-0.0567	1.002	0.0799	1.0252	0.0429	0.8256	0.2166	1.0851
1124	30.4	29.7	-0.0565	1.0007	0.0799	1.0241	0.0454	0.8377	0.2059	1.089
1125	30	29.6	-0.056	0.9999	0.0799	1.0239	0.043	0.8353	0.207	1.0853
1126	30.3	29.6	-0.0558	0.9991	0.0806	1.0239	0.0461	0.8511	0.2079	1.1051
1127	29	29.6	-0.0561	0.9996	0.0814	1.0249	0.0436	0.8495	0.2021	1.0952
1128	30.7	29.6	-0.0569	0.9991	0.0816	1.0238	0.0336	0.8595	0.1953	1.0884
1129	31.1	29.5	-0.057	0.9991	0.0809	1.023	0.0315	0.8384	0.1853	1.0552
1130	29.3	29.6	-0.0577	0.9974	0.0802	1.02	0.0493	0.8133	0.1881	1.0507
1131	29.2	29.6	-0.0569	0.9952	0.0794	1.0177	0.0679	0.795	0.2038	1.0667
1132	28.6	29.6	-0.0569	0.9937	0.0787	1.0156	0.0702	0.8083	0.2092	1.0876
1133	29.4	29.6	-0.0571	0.9925	0.0788	1.0142	0.058	0.8196	0.2253	1.103
1134	28.7	29.6	-0.0564	0.9918	0.0789	1.0144	0.0347	0.8409	0.2284	1.104
1135	28.4	29.7	-0.0566	0.9917	0.0786	1.0137	0.0157	0.8498	0.2152	1.0807
1136	29.9	29.8	-0.0573	0.9909	0.0778	1.0115	0.011	0.85	0.1914	1.0524
1137	28.5	29.8	-0.0573	0.9899	0.0776	1.0102	0.0215	0.8171	0.1732	1.0119
1138	28.5	29.8	-0.0577	0.9882	0.0777	1.0082	0.037	0.8054	0.169	1.0114

1139	31	29.7	-0.0584	0.9877	0.0783	1.0076	0.0554	0.7919	0.1826	1.0299
1140	29.4	29.8	-0.0592	0.9888	0.0769	1.0066	0.0655	0.7815	0.1945	1.0415
1141	29.7	29.9	-0.0593	0.9881	0.0759	1.0047	0.0756	0.7788	0.1949	1.0493
1142	30	30	-0.0593	0.9858	0.0757	1.0023	0.0858	0.799	0.1976	1.0824
1143	31.6	30.1	-0.059	0.9829	0.0752	0.9992	0.0923	0.8219	0.2	1.1142
1144	31.2	30.2	-0.0584	0.9797	0.0755	0.9968	0.0888	0.8488	0.202	1.1396
1145	31.1	30.4	-0.0579	0.9792	0.0755	0.9968	0.0911	0.8529	0.2072	1.1511
1146	30.2	30.4	-0.0577	0.9786	0.076	0.9969	0.1001	0.8782	0.2169	1.1951
1147	30.3	30.5	-0.0569	0.979	0.077	0.9991	0.1022	0.8933	0.2222	1.2176
1148	30	30.7	-0.057	0.9788	0.0775	0.9992	0.0993	0.8996	0.2219	1.2209
1149	31.1	30.7	-0.0575	0.9778	0.0773	0.9976	0.0887	0.9031	0.2142	1.206
1150	30.1	30.8	-0.0574	0.9773	0.0764	0.9963	0.079	0.9105	0.2066	1.1961
1151	31.5	30.8	-0.0576	0.9754	0.0769	0.9947	0.0832	0.9155	0.2079	1.2066
1152	30.1	30.8	-0.0572	0.975	0.0764	0.9942	0.0761	0.9232	0.2155	1.2149
1153	32	30.7	-0.0575	0.9747	0.0756	0.9928	0.0909	0.9188	0.2132	1.2229
1154	30.8	30.8	-0.0571	0.9751	0.0743	0.9923	0.0939	0.9165	0.2099	1.2204
1155	31.3	30.8	-0.0579	0.9754	0.0752	0.9927	0.0883	0.9183	0.2107	1.2173
1156	30.2	30.8	-0.058	0.9752	0.0762	0.9934	0.0765	0.9446	0.2029	1.224
1157	31.8	30.8	-0.0585	0.9748	0.076	0.9924	0.0753	0.9545	0.1978	1.2276
1158	31.4	30.8	-0.06	0.9737	0.0761	0.9898	0.0536	0.9625	0.1904	1.2065
1159	30.1	30.8	-0.0618	0.9728	0.0754	0.9864	-0.0008	0.9519	0.1743	1.1253
1160	29.8	30.9	-0.0629	0.972	0.074	0.9832	0.002	0.9566	0.1635	1.1222
1161	30.9	30.9	-0.0633	0.9708	0.0729	0.9803	-0.0002	0.9405	0.1604	1.1007
1162	29.8	31	-0.0631	0.9682	0.072	0.9772	-0.0014	0.9219	0.1624	1.0829
1163	33	31	-0.0626	0.9672	0.0716	0.9762	0.0002	0.9065	0.179	1.0857
1164	31.3	31	-0.0626	0.9667	0.0718	0.9759	0.0094	0.8783	0.1821	1.0698
1165	30.5	31	-0.0622	0.963	0.0707	0.9715	0.0065	0.8873	0.1695	1.0633
1166	29.6	31	-0.0612	0.9611	0.0707	0.9706	-0.0012	0.8892	0.1751	1.0632
1167	30.2	31	-0.0595	0.9601	0.0709	0.9715	-0.0039	0.9053	0.1825	1.0839
1168	31.2	30.9	-0.0595	0.9577	0.0711	0.9693	-0.0095	0.909	0.1806	1.0801
1169	31.9	30.9	-0.0593	0.9565	0.0722	0.9694	-0.0069	0.9426	0.1801	1.1158
1170	31.1	31	-0.059	0.956	0.0729	0.97	-0.0021	0.9472	0.1655	1.1106
1171	31.2	31	-0.0592	0.9558	0.0729	0.9694	0.0003	0.9424	0.1502	1.0929
1172	31.8	31.1	-0.0596	0.9562	0.073	0.9696	0.0077	0.9468	0.1414	1.0959
1173	32	30.9	-0.0604	0.956	0.0729	0.9685	0.0178	0.9448	0.1511	1.1136
1174	30.8	30.9	-0.0607	0.956	0.0715	0.9668	0.0082	0.9457	0.1596	1.1136
1175	31.2	31	-0.0611	0.9548	0.0707	0.9643	0.0028	0.9308	0.1818	1.1154

1176	30.4	31.2	-0.0605	0.9547	0.0702	0.9644	0.0194	0.9285	0.2108	1.1587
1177	30.7	31.3	-0.0592	0.9528	0.0708	0.9645	0.0345	0.9288	0.2279	1.1913
1178	30.1	31.4	-0.0586	0.9526	0.0716	0.9655	0.043	0.9445	0.2381	1.2255
1179	32	31.4	-0.0592	0.9529	0.0717	0.9653	0.0457	0.9574	0.2479	1.251
1180	30.6	31.6	-0.0609	0.9537	0.0704	0.9632	0.0441	0.9617	0.2493	1.2551
1181	30.4	31.6	-0.062	0.9525	0.0704	0.9608	0.0275	0.9429	0.2451	1.2155
1182	30.9	31.7	-0.0623	0.9512	0.0698	0.9588	0.0355	0.9192	0.2341	1.1889
1183	31.4	31.6	-0.0611	0.9491	0.0691	0.9572	0.0351	0.9152	0.2306	1.1809
1184	32	31.7	-0.0595	0.948	0.0691	0.9576	0.0202	0.9125	0.2349	1.1677
1185	32.1	31.9	-0.0588	0.9472	0.0695	0.9579	0.0194	0.9124	0.2397	1.1716
1186	33.4	32	-0.0592	0.9475	0.0697	0.958	0.0145	0.9118	0.2369	1.1633
1187	32.6	32.1	-0.0601	0.9461	0.07	0.956	0.0111	0.9082	0.2268	1.1461
1188	31.6	32.1	-0.0612	0.9456	0.0697	0.9542	0.0081	0.8989	0.2198	1.1267
1189	34.5	32.2	-0.061	0.945	0.0693	0.9533	0.003	0.8906	0.2179	1.1115
1190	32	32.4	-0.0623	0.9441	0.0692	0.951	-0.0046	0.8911	0.2238	1.1104
1191	33.1	32.6	-0.0631	0.9416	0.0687	0.9472	-0.0133	0.912	0.2158	1.1145
1192	30.9	32.8	-0.0642	0.9401	0.0678	0.9437	-0.0064	0.9148	0.2146	1.123
1193	33.3	32.9	-0.0647	0.9383	0.0674	0.9411	0.0046	0.9218	0.2142	1.1406
1194	33.6	32.9	-0.0652	0.9372	0.0666	0.9387	0.0052	0.9275	0.22	1.1528
1195	32.9	32.9	-0.0654	0.9348	0.0657	0.9351	0.0008	0.9057	0.2169	1.1234
1196	32.3	32.9	-0.0645	0.9332	0.0648	0.9335	0.0036	0.8956	0.2146	1.1137
1197	31	32.8	-0.064	0.9319	0.0645	0.9325	0.0021	0.8869	0.2143	1.1034
1198	33.1	32.9	-0.0635	0.9313	0.0651	0.9329	0.0075	0.9005	0.224	1.132
1199	35	32.8	-0.0629	0.9302	0.0664	0.9336	0.0018	0.9132	0.2262	1.1412
1200	33.6	32.9	-0.0625	0.9297	0.0665	0.9337	-0.0035	0.9169	0.22	1.1334
1201	34.5	32.9	-0.0624	0.9295	0.0654	0.9325	-0.001	0.9081	0.2108	1.1179
1202	34.1	33.1	-0.0631	0.9295	0.0654	0.9318	-0.0023	0.8845	0.2169	1.0991
1203	31.8	33	-0.0635	0.9291	0.0654	0.931	0.0026	0.8905	0.2156	1.1087
1204	32	33	-0.0637	0.9283	0.0657	0.9303	-0.0001	0.893	0.2115	1.1044
1205	33.3	33	-0.0635	0.9261	0.0657	0.9283	0.001	0.9026	0.1949	1.0985
1206	31.5	33.1	-0.0634	0.9245	0.0652	0.9263	0.0006	0.9087	0.2011	1.1104
1207	32.4	33.1	-0.0622	0.9212	0.0652	0.9242	0.0076	0.9246	0.217	1.1492
1208	33.7	33.2	-0.0576	0.9206	0.0655	0.9285	0.0048	0.9208	0.2204	1.146
1209	33.1	33.1	-0.0574	0.9194	0.0659	0.9279	-0.0167	0.9308	0.2216	1.1357
1210	33.8	33	-0.0566	0.9188	0.0659	0.9281	-0.0359	0.9385	0.2173	1.1199
1211	33.1	32.8	-0.0567	0.9191	0.0664	0.9288	-0.0336	0.9302	0.2035	1.1
1212	31.5	32.7	-0.0572	0.9189	0.0661	0.9279	-0.0317	0.9198	0.1912	1.0793

1213	34.3	32.6	-0.0576	0.92	0.0658	0.9282	-0.0303	0.8912	0.1812	1.0421
1214	32.8	32.6	-0.0582	0.9193	0.0656	0.9268	-0.0191	0.8944	0.1798	1.0551
1215	33.3	32.6	-0.0582	0.9182	0.0651	0.9251	-0.0118	0.902	0.1842	1.0744
1216	32.8	32.6	-0.0584	0.9161	0.0644	0.9222	-0.0074	0.8765	0.1767	1.0458
1217	33.7	32.6	-0.0581	0.9153	0.0643	0.9215	0.0078	0.8643	0.185	1.0571
1218	33.7	32.5	-0.0582	0.9115	0.063	0.9164	0.03	0.8863	0.1923	1.1086
1219	31.1	32.3	-0.0584	0.9101	0.0635	0.9152	0.0159	0.8703	0.1998	1.086
1220	31.5	32.2	-0.0582	0.9098	0.0638	0.9154	-0.0004	0.8873	0.2157	1.1025
1221	31.4	32.1	-0.0583	0.909	0.0643	0.9149	-0.0045	0.879	0.2221	1.0966
1222	30.4	32	-0.0586	0.9082	0.0641	0.9137	-0.0057	0.884	0.2171	1.0954
1223	31.2	31.8	-0.0575	0.9074	0.0639	0.9138	-0.0069	0.8891	0.2183	1.1006
1224	33.1	31.8	-0.0567	0.9076	0.0617	0.9126	-0.0067	0.8905	0.2169	1.1008
1225	32	31.6	-0.0579	0.9071	0.0588	0.908	0.0004	0.8932	0.2125	1.1061
1226	33	31.6	-0.0593	0.9062	0.0578	0.9047	0.0019	0.8856	0.2168	1.1044
1227	30.9	31.5	-0.0604	0.9052	0.0576	0.9024	0.0087	0.906	0.2111	1.1258
1228	30.5	31.4	-0.0615	0.9033	0.0568	0.8987	0.02	0.9044	0.2207	1.1451
1229	32.2	31.3	-0.0614	0.903	0.056	0.8975	0.0212	0.9119	0.2324	1.1655
1230	29.9	31.3	-0.0604	0.9031	0.0557	0.8984	0.0135	0.9265	0.236	1.176
1231	30.9	31.2	-0.0604	0.9033	0.056	0.8988	-0.0031	0.946	0.2233	1.1663
1232	30.6	31.3	-0.0604	0.9022	0.0557	0.8975	-0.0126	0.9497	0.2258	1.1628
1233	31.3	31.2	-0.0591	0.9012	0.0553	0.8974	-0.0127	0.9448	0.2191	1.1512
1234	30.7	31.1	-0.0583	0.9006	0.055	0.8972	0.0007	0.9219	0.2058	1.1284
1235	32.2	31	-0.0581	0.9005	0.0549	0.8974	0.0225	0.9291	0.2143	1.1659
1236	32.4	31	-0.0584	0.9001	0.0551	0.8969	0.0332	0.9288	0.2268	1.1888
1237	30.6	30.9	-0.0581	0.9	0.0556	0.8975	0.0284	0.9466	0.2314	1.2064
1238	30.8	30.9	-0.058	0.8992	0.0559	0.897	0.02	0.947	0.2359	1.2028
1239	30.9	30.8	-0.0579	0.8985	0.0559	0.8965	0.0043	0.9548	0.2298	1.189
1240	30.1	30.9	-0.0579	0.8976	0.0554	0.8951	0.0033	0.9548	0.224	1.1822
1241	30.6	31	-0.0587	0.8966	0.0544	0.8924	-0.0108	0.9483	0.2229	1.1604
1242	31	31.1	-0.0597	0.8936	0.0543	0.8882	-0.0192	0.922	0.2187	1.1215
1243	30.4	31.1	-0.0595	0.8902	0.0532	0.8839	-0.0302	0.909	0.2143	1.093
1244	30.6	31.2	-0.0585	0.8892	0.0538	0.8845	-0.0421	0.8985	0.2095	1.0659
1245	31.6	31.2	-0.0583	0.8896	0.054	0.8854	-0.0445	0.8923	0.1996	1.0474
1246	30.3	31.2	-0.058	0.89	0.0546	0.8866	-0.0422	0.8774	0.1878	1.0229
1247	30.3	31.2	-0.0576	0.8889	0.0546	0.8859	-0.0352	0.8702	0.1803	1.0153
1248	30.9	31.1	-0.0572	0.8874	0.0549	0.8851	-0.0351	0.8699	0.1829	1.0177
1249	30.6	31.1	-0.0571	0.8861	0.0553	0.8843	-0.0303	0.8673	0.183	1.02

1250	32.4	31.1	-0.0573	0.8865	0.0553	0.8845	-0.0194	0.8616	0.1948	1.037
1251	33	31.2	-0.0574	0.887	0.0552	0.8848	-0.0103	0.864	0.1992	1.0529
1252	32	31.2	-0.0575	0.886	0.0548	0.8833	-0.0074	0.8744	0.1927	1.0598
1253	31.9	31.3	-0.0575	0.8854	0.0545	0.8823	-0.0149	0.8896	0.1996	1.0743
1254	32.4	31.4	-0.0572	0.8848	0.0548	0.8824	-0.0173	0.8973	0.2005	1.0805
1255	31.7	31.5	-0.0579	0.8845	0.0551	0.8816	-0.0191	0.8973	0.2	1.0782
1256	30.4	31.7	-0.0588	0.8828	0.0545	0.8785	-0.0217	0.8887	0.2048	1.0717
1257	30.5	31.9	-0.059	0.8827	0.054	0.8778	-0.0192	0.879	0.2103	1.0701
1258	31.1	32.2	-0.0583	0.8806	0.0539	0.8762	-0.0039	0.8516	0.2124	1.0601
1259	30.1	32.4	-0.0582	0.8789	0.0536	0.8744	0.0436	0.852	0.2144	1.11
1260	31.1	32.5	-0.0595	0.879	0.0537	0.8732	0.0462	0.8472	0.2201	1.1135
1261	32	32.5	-0.0601	0.8788	0.0537	0.8724	0.0538	0.8507	0.2207	1.1252
1262	32.1	32.7	-0.06	0.8791	0.0539	0.873	0.0506	0.8563	0.2318	1.1387
1263	32.8	32.8	-0.0607	0.8778	0.0536	0.8707	0.04	0.8655	0.2293	1.1349
1264	32.6	32.8	-0.0614	0.8765	0.0534	0.8684	0.0283	0.8911	0.2211	1.1405
1265	34.2	32.8	-0.0615	0.8754	0.053	0.8669	0.0137	0.8946	0.2131	1.1215
1266	34.8	32.8	-0.062	0.8746	0.0522	0.8649	0.0164	0.8862	0.2045	1.1071
1267	35.7	32.9	-0.0625	0.8715	0.0517	0.8606	0.0251	0.8667	0.1975	1.0892
1268	34.1	32.9	-0.0611	0.8707	0.0511	0.8607	0.0376	0.8575	0.1983	1.0934
1269	34.7	33	-0.0592	0.8678	0.0506	0.8592	0.0454	0.825	0.1912	1.0616
1270	33.7	33.1	-0.0585	0.8681	0.0507	0.8603	0.0427	0.8166	0.2047	1.064
1271	34.9	33	-0.0586	0.8674	0.0512	0.8599	0.0376	0.823	0.208	1.0685
1272	33.7	32.9	-0.0589	0.8673	0.0511	0.8595	0.0467	0.8273	0.2139	1.0878
1273	33.4	32.7	-0.0597	0.8669	0.0512	0.8584	0.0465	0.8194	0.2121	1.0779
1274	31.7	32.6	-0.0607	0.8667	0.0502	0.8562	0.0599	0.8151	0.211	1.086
1275	31	32.4	-0.0613	0.8662	0.049	0.8539	0.0589	0.8276	0.1935	1.0801
1276	31.7	32.1	-0.0614	0.8641	0.049	0.8518	0.0397	0.8362	0.1643	1.0402
1277	31.4	31.8	-0.0612	0.8624	0.0487	0.8499	0.0192	0.843	0.1486	1.0108
1278	32.4	31.7	-0.0607	0.8614	0.0484	0.849	0.0079	0.835	0.1413	0.9842
1279	32.1	31.6	-0.0606	0.8602	0.0481	0.8477	0.0006	0.8208	0.1312	0.9526
1280	30.1	31.5	-0.0606	0.8591	0.0481	0.8466	0.0029	0.8206	0.1211	0.9446
1281	30.2	31.3	-0.0608	0.8575	0.0478	0.8445	0.0135	0.8231	0.116	0.9526
1282	29.2	31.3	-0.061	0.8568	0.0479	0.8437	0.0164	0.8311	0.1226	0.9701
1283	29.7	31.1	-0.0611	0.8569	0.0485	0.8443	0.0172	0.8301	0.1208	0.9682
1284	30.4	31.1	-0.0618	0.8551	0.0477	0.841	0.0298	0.8269	0.1155	0.9722
1285	29.9	31.2	-0.0622	0.8543	0.0469	0.839	0.0465	0.8274	0.11	0.9839
1286	30.8	31.4	-0.0621	0.8528	0.0466	0.8374	0.0708	0.8334	0.1038	1.008

1287	31.5	31.4	-0.0621	0.8514	0.0464	0.8357	0.0761	0.8317	0.1144	1.0222
1288	32.3	31.4	-0.0616	0.8501	0.0467	0.8353	0.0768	0.8427	0.1163	1.0358
1289	32	31.3	-0.0613	0.8496	0.0469	0.8351	0.0782	0.8463	0.1203	1.0449
1290	32.2	31.4	-0.0612	0.8493	0.0469	0.8349	0.0788	0.842	0.1225	1.0433
1291	32.1	31.5	-0.0612	0.8494	0.0468	0.835	0.0835	0.8387	0.1199	1.0421
1292	30.9	31.6	-0.0611	0.8492	0.0463	0.8344	0.0776	0.838	0.115	1.0305
1293	31.2	31.6	-0.0605	0.8485	0.0464	0.8345	0.0673	0.8227	0.1179	1.0079
1294	33.3	31.6	-0.0607	0.848	0.0467	0.8339	0.071	0.8078	0.1097	0.9884
1295	34.1	31.7	-0.0612	0.8471	0.0469	0.8328	0.0755	0.8071	0.1204	1.003
1296	33	31.7	-0.061	0.8461	0.0468	0.8319	0.0675	0.8177	0.1208	1.006
1297	30.8	31.7	-0.0605	0.8449	0.0463	0.8307	0.0629	0.8322	0.1197	1.0147
1298	31.9	31.7	-0.0605	0.8446	0.0468	0.8309	0.0681	0.8289	0.115	1.012
1299	31.9	31.8	-0.061	0.844	0.0469	0.8299	0.0856	0.8159	0.116	1.0175
1300	31.2	31.7	-0.0615	0.8433	0.0466	0.8284	0.0869	0.7983	0.1189	1.0041
1301	31.1	31.6	-0.0617	0.8421	0.0461	0.8265	0.0847	0.8155	0.1252	1.0253
1302	29.8	31.6	-0.0616	0.8406	0.0454	0.8244	0.0818	0.8231	0.1184	1.0234
1303	31.1	31.5	-0.0617	0.8394	0.0453	0.823	0.0831	0.8218	0.1115	1.0163
1304	31	31.4	-0.0618	0.8386	0.0457	0.8225	0.0834	0.8319	0.1042	1.0195
1305	30.9	31.2	-0.0613	0.8373	0.0452	0.8211	0.0885	0.8347	0.1072	1.0304
1306	31.5	31	-0.0615	0.8366	0.0442	0.8193	0.0794	0.8313	0.114	1.0246
1307	33	31	-0.0618	0.8361	0.044	0.8182	0.0771	0.8126	0.1156	1.0053
1308	33	30.8	-0.062	0.8354	0.0441	0.8175	0.0911	0.8181	0.1185	1.0277
1309	30.3	30.8	-0.062	0.8347	0.0439	0.8166	0.1071	0.8077	0.125	1.0398
1310	30.3	30.8	-0.062	0.8337	0.0439	0.8156	0.109	0.815	0.1278	1.0519
1311	30.2	30.7	-0.0617	0.8334	0.0432	0.8149	0.0895	0.8196	0.1264	1.0355
1312	30.5	30.7	-0.0612	0.8324	0.0432	0.8144	0.0773	0.8172	0.1283	1.0228
1313	30.6	30.6	-0.0604	0.8309	0.0437	0.8142	0.0766	0.8285	0.1311	1.0362
1314	30.4	30.5	-0.0595	0.8298	0.0443	0.8147	0.0768	0.8282	0.1355	1.0405
1315	29.7	30.5	-0.0599	0.8296	0.0446	0.8144	0.069	0.8185	0.1342	1.0217
1316	29.9	30.3	-0.0609	0.8294	0.0447	0.8133	0.0626	0.8115	0.1263	1.0004
1317	29.4	30.2	-0.0619	0.8295	0.0445	0.8121	0.0599	0.8076	0.1187	0.9862
1318	31.2	29.9	-0.0628	0.829	0.0439	0.8102	0.0488	0.7826	0.1153	0.9468
1319	30.4	29.9	-0.0626	0.8284	0.043	0.8088	0.0558	0.78	0.1098	0.9456
1320	29.8	29.9	-0.0619	0.8275	0.043	0.8086	0.0782	0.7586	0.1016	0.9383
1321	29.6	30	-0.063	0.8262	0.0429	0.8061	0.088	0.7739	0.1002	0.962
1322	29.5	30.1	-0.0632	0.8262	0.0429	0.8059	0.0821	0.7704	0.1029	0.9553
1323	29.6	30.1	-0.0635	0.8259	0.0428	0.8052	0.0812	0.7721	0.1011	0.9544

1324	30	30.2	-0.0626	0.8248	0.0424	0.8046	0.0791	0.7744	0.1019	0.9554
1325	28.3	30.3	-0.0619	0.8234	0.0424	0.804	0.0713	0.7712	0.0921	0.9346
1326	30.5	30.2	-0.0612	0.8219	0.0429	0.8036	0.0752	0.7647	0.0919	0.9319
1327	28.9	30.2	-0.0612	0.8217	0.0435	0.804	0.0794	0.7666	0.0984	0.9445
1328	28.9	30	-0.0615	0.8213	0.0437	0.8035	0.0673	0.7595	0.0876	0.9144
1329	31.1	29.9	-0.0617	0.8209	0.0438	0.803	0.082	0.7503	0.0792	0.9115
1330	32.5	29.8	-0.0618	0.8208	0.0441	0.8032	0.0739	0.7465	0.0799	0.9003
1331	31.1	29.7	-0.0621	0.8202	0.0437	0.8018	0.0767	0.7392	0.08	0.8958
1332	32	29.7	-0.0621	0.8192	0.0436	0.8006	0.0745	0.729	0.0745	0.8781
1333	31.6	29.7	-0.0621	0.8186	0.0438	0.8002	0.073	0.7352	0.0753	0.8835
1334	31	29.6	-0.063	0.8178	0.044	0.7988	0.0696	0.7446	0.0849	0.8991
1335	28.7	29.7	-0.0651	0.8172	0.0446	0.7966	0.0572	0.7358	0.0811	0.8741
1336	29.1	29.6	-0.066	0.8169	0.0437	0.7946	0.0177	0.7583	0.0743	0.8503
1337	27.3	29.7	-0.0658	0.8157	0.044	0.7939	0.0224	0.7806	0.0262	0.8292
1338	29.5	29.7	-0.0659	0.8145	0.0439	0.7925	0.0302	0.771	0.0057	0.8069
1339	26.6	29.8	-0.0658	0.8144	0.0437	0.7922	0.0351	0.7614	0.0118	0.8083
1340	29	29.6	-0.0662	0.8138	0.0434	0.7909	0.0419	0.7629	0.0135	0.8183
1341	29.1	29.5	-0.0664	0.8128	0.0429	0.7893	0.0406	0.7749	0.0088	0.8243
1342	28.6	29.4	-0.0664	0.8113	0.0425	0.7874	0.0408	0.7718	0.0015	0.8141
1343	28.5	29.4	-0.0666	0.8094	0.0422	0.7851	0.0403	0.7637	0.0006	0.8046
1344	29.7	29.3	-0.066	0.8085	0.0418	0.7842	0.0496	0.7576	0.0021	0.8094
1345	30.1	29.3	-0.065	0.8079	0.0419	0.7848	0.0493	0.7482	0.0024	0.7999
1346	29.4	29.3	-0.0642	0.8067	0.0426	0.7851	0.0491	0.7373	0.0015	0.7878
1347	30.3	29.4	-0.0644	0.806	0.0431	0.7847	0.0521	0.7267	0.0004	0.7792
1348	32.4	29.3	-0.0658	0.8059	0.0433	0.7834	0.0582	0.7176	-0.0045	0.7714
1349	29.4	29.3	-0.0658	0.8062	0.0434	0.7838	0.0661	0.7125	0.0057	0.7843
1350	28.5	29.3	-0.0658	0.8049	0.0428	0.782	0.0729	0.7168	0.0166	0.8063
1351	30.7	29.2	-0.0655	0.8047	0.0433	0.7825	0.0751	0.7134	0.0182	0.8068
1352	30.1	29.3	-0.0658	0.8038	0.0437	0.7817	0.0735	0.7047	0.013	0.7911
1353	29.2	29.4	-0.0659	0.8022	0.0441	0.7804	0.0721	0.6893	0.0088	0.7702
1354	28.6	29.4	-0.0661	0.8014	0.0441	0.7794	0.0855	0.683	0.0085	0.7771
1355	30	29.5	-0.0659	0.8013	0.0437	0.7792	0.0859	0.6802	0.0145	0.7806
1356	29.1	29.5	-0.0665	0.8015	0.0429	0.7779	0.0872	0.6679	0.0143	0.7694
1357	27.1	29.4	-0.0681	0.8009	0.0421	0.775	0.0809	0.6736	0.0024	0.7569
1358	27.8	29.3	-0.069	0.7999	0.0414	0.7723	0.077	0.681	0.0014	0.7594
1359	28.7	29.2	-0.0691	0.7974	0.0408	0.7692	0.0801	0.6774	-0.0021	0.7554
1360	27.5	29.2	-0.0684	0.7971	0.041	0.7696	0.0853	0.6709	-0.0034	0.7527

1361	29.6	29	-0.0679	0.7971	0.0409	0.7701	0.0881	0.6698	0.0022	0.7601
1362	29.8	28.9	-0.0677	0.7963	0.0408	0.7694	0.0853	0.6871	-0.0038	0.7685
1363	30.8	28.8	-0.0684	0.7949	0.0401	0.7666	0.0799	0.6815	-0.0046	0.7568
1364	30.8	28.6	-0.0683	0.7946	0.04	0.7662	0.0795	0.6631	0.0009	0.7435
1365	30.5	28.5	-0.0678	0.7942	0.0404	0.7669	0.089	0.6527	0.0035	0.7453
1366	28.8	28.3	-0.0679	0.7939	0.0403	0.7663	0.0856	0.6578	0.0012	0.7446
1367	28.8	28.2	-0.0674	0.7932	0.0401	0.766	0.0742	0.6478	0.0047	0.7267
1368	29.3	28	-0.0667	0.7927	0.0402	0.7661	0.0644	0.6446	0.0037	0.7127
1369	28	27.8	-0.067	0.7919	0.0404	0.7653	0.0629	0.6449	0	0.7078
1370	27.3	27.8	-0.0673	0.7907	0.0407	0.7641	0.0714	0.6395	-0.0112	0.6997
1371	27.8	27.6	-0.0668	0.7903	0.0409	0.7644	0.0836	0.6273	-0.0104	0.7005
1372	26.7	27.4	-0.0671	0.7901	0.041	0.7641	0.0719	0.628	-0.0184	0.6816
1373	26	27.1	-0.0676	0.7895	0.041	0.7629	0.069	0.6379	-0.0277	0.6792
1374	26.3	26.8	-0.0679	0.7896	0.041	0.7627	0.073	0.6316	-0.0237	0.6809
1375	25.2	26.5	-0.0688	0.7897	0.0398	0.7607	0.0838	0.6149	-0.0241	0.6746
1376	26.1	26.3	-0.0693	0.7875	0.0392	0.7574	0.0867	0.6042	-0.0258	0.6651
1377	24.6	26.1	-0.0679	0.7865	0.0399	0.7585	0.0857	0.5999	-0.0205	0.6651
1378	25.2	26	-0.0689	0.7863	0.0404	0.7579	0.0758	0.601	-0.0178	0.659
1379	26.6	25.9	-0.068	0.7856	0.0401	0.7577	0.0698	0.587	-0.0191	0.6376
1380	26.7	25.7	-0.0683	0.7852	0.0401	0.757	0.0739	0.5737	-0.0211	0.6266
1381	25.7	25.6	-0.0682	0.7846	0.0404	0.7567	0.0781	0.5544	-0.0236	0.6089
1382	24.9	25.5	-0.0683	0.7832	0.0404	0.7553	0.0744	0.5492	-0.0248	0.5988
1383	24.7	25.4	-0.0681	0.7825	0.0401	0.7544	0.0769	0.5418	-0.0198	0.5989
1384	24.6	25.2	-0.0675	0.7815	0.0396	0.7536	0.0811	0.5418	-0.0101	0.6128
1385	24.5	25.1	-0.0639	0.7785	0.0394	0.754	0.0742	0.5485	-0.0058	0.6169
1386	25.9	25	-0.0643	0.7748	0.044	0.7545	0.0557	0.556	0.003	0.6147
1387	26.3	24.9	-0.0651	0.7743	0.0458	0.755	0.0436	0.5631	-0.0024	0.6043
1388	26.3	24.7	-0.0651	0.774	0.0455	0.7544	0.0345	0.565	0.0004	0.5999
1389	24.8	24.5	-0.0655	0.7733	0.0455	0.7533	0.0248	0.5573	-0.0019	0.5802
1390	25.8	24.2	-0.0653	0.7718	0.046	0.7525	0.023	0.5508	-0.0055	0.5683
1391	24.6	24	-0.0653	0.7722	0.0467	0.7536	0.0133	0.54	-0.0076	0.5457
1392	23.5	23.8	-0.0652	0.7728	0.0463	0.7539	0.0081	0.5294	-0.0116	0.5258
1393	23.2	23.6	-0.0654	0.7727	0.0462	0.7535	0.018	0.5029	-0.0167	0.5043
1394	23.5	23.3	-0.0657	0.7732	0.0464	0.754	0.0251	0.4806	-0.0178	0.488
1395	23.5	23.2	-0.0661	0.7734	0.0467	0.754	0.0345	0.4711	-0.0243	0.4813
1396	22	22.9	-0.0662	0.7735	0.0468	0.754	0.046	0.4673	-0.0197	0.4937
1397	22.8	22.6	-0.0663	0.7732	0.0467	0.7536	0.0552	0.4621	-0.0082	0.5092

1398	22.2	22.4	-0.0671	0.7733	0.0463	0.7525	0.0497	0.4574	-0.0075	0.4995
1399	21.7	22.2	-0.0683	0.7723	0.0453	0.7493	0.0371	0.4538	-0.0051	0.4858
1400	21.2	21.9	-0.069	0.7719	0.0448	0.7477	0.039	0.4612	-0.0034	0.4968
1401	21.4	21.8	-0.069	0.7716	0.0448	0.7474	0.0384	0.4528	-0.0096	0.4816
1402	19.7	21.7	-0.0688	0.7716	0.0445	0.7474	0.0328	0.4514	-0.0094	0.4748
1403	20.4	21.6	-0.0703	0.771	0.0445	0.7452	0.0206	0.4325	-0.0125	0.4406
1404	21.5	21.5	-0.0704	0.7706	0.0442	0.7444	0.0172	0.4071	-0.0125	0.4118
1405	21.5	21.4	-0.07	0.7705	0.0437	0.7442	0.0113	0.3884	-0.012	0.3877
1406	20.6	21.3	-0.0696	0.7692	0.0439	0.7436	0.0123	0.3787	-0.0131	0.3779
1407	20.7	21.3	-0.0695	0.768	0.0438	0.7423	0.0125	0.3702	-0.0121	0.3706
1408	21	21.2	-0.07	0.7677	0.0443	0.742	0.0029	0.3643	-0.0102	0.357
1409	21.3	21.1	-0.0705	0.7676	0.0443	0.7413	-0.0003	0.387	-0.0186	0.3681
1410	21.9	21.1	-0.0708	0.7668	0.0437	0.7396	-0.0028	0.3491	-0.0247	0.3217
1411	21.9	21	-0.0703	0.7647	0.0436	0.738	0.008	0.3496	-0.0236	0.334
1412	21.3	21	-0.0692	0.7642	0.0436	0.7387	0.0193	0.3542	-0.0236	0.3499
1413	21.8	20.9	-0.0684	0.7646	0.0436	0.7398	0.0287	0.35	-0.0227	0.356
1414	21.3	20.8	-0.0684	0.7646	0.044	0.7401	0.02	0.3329	-0.0251	0.3278
1415	20.7	20.6	-0.0684	0.7638	0.0445	0.7399	0.0188	0.3328	-0.0252	0.3263
1416	21.7	20.4	-0.0683	0.7647	0.0442	0.7406	0.0263	0.3355	-0.0206	0.3412
1417	21.4	20.3	-0.0683	0.765	0.0441	0.7408	0.0292	0.3398	-0.0201	0.3489
1418	19.8	20.2	-0.069	0.7645	0.0439	0.7394	0.0383	0.3408	-0.022	0.357
1419	20.2	20	-0.0698	0.7644	0.0442	0.7388	0.041	0.3379	-0.0207	0.3581
1420	20.3	19.8	-0.0703	0.7648	0.044	0.7385	0.0341	0.3301	-0.0168	0.3474
1421	19.6	19.6	-0.0702	0.7634	0.0448	0.738	0.0293	0.3251	-0.0113	0.343
1422	18.8	19.5	-0.0701	0.7624	0.0457	0.738	0.0238	0.3173	-0.0108	0.3303
1423	18.6	19.3	-0.0708	0.7628	0.0452	0.7371	0.0282	0.3075	-0.0116	0.3241
1424	18	19.1	-0.071	0.7633	0.0448	0.7371	0.029	0.3062	-0.0115	0.3237
1425	17.7	19	-0.0705	0.763	0.045	0.7375	0.0259	0.3013	-0.0057	0.3215
1426	18.3	18.7	-0.0697	0.7619	0.045	0.7371	0.0036	0.3013	-0.0156	0.2893
1427	18.7	18.4	-0.0688	0.7616	0.0452	0.7381	-0.0063	0.2798	-0.0229	0.2507
1428	18	18.3	-0.0685	0.7626	0.0456	0.7397	0.0055	0.2635	-0.0136	0.2555
1429	18.9	18.1	-0.0691	0.7635	0.046	0.7404	-0.0079	0.2482	-0.0113	0.2289
1430	17.5	17.9	-0.0696	0.7654	0.0465	0.7423	-0.0021	0.2422	-0.0185	0.2216
1431	18.8	17.7	-0.0695	0.7653	0.0462	0.742	-0.0059	0.2481	-0.0217	0.2205
1432	18.5	17.6	-0.0698	0.765	0.0456	0.7408	0.0014	0.243	-0.0168	0.2276
1433	17.9	17.4	-0.0702	0.7644	0.0448	0.7389	0.0037	0.2323	-0.0167	0.2193
1434	18	17.4	-0.0704	0.763	0.0446	0.7372	0.0021	0.2175	-0.0189	0.2006

1435	16.7	17.3	-0.0707	0.7616	0.0442	0.7351	0.007	0.1961	-0.0226	0.1805
1436	16.4	17.2	-0.0704	0.7606	0.0439	0.7342	0.0409	0.1672	-0.0191	0.189
1437	17	17	-0.0693	0.7592	0.044	0.7339	0.041	0.144	0.0259	0.2108
1438	16.3	16.9	-0.0683	0.7588	0.0441	0.7345	0.0289	0.1427	0.0482	0.2199
1439	16	16.7	-0.0681	0.7593	0.0442	0.7354	0.0263	0.1466	0.0445	0.2174
1440	16.5	16.6	-0.0676	0.7598	0.0441	0.7363	0.0345	0.1422	0.046	0.2227
1441	16.1	16.3	-0.0672	0.7598	0.0441	0.7367	0.0425	0.132	0.057	0.2315
1442	16.2	16.1	-0.0682	0.7611	0.0442	0.737	0.0409	0.1367	0.0667	0.2444
1443	16.3	15.9	-0.0691	0.7613	0.044	0.7363	0.0429	0.1429	0.065	0.2509
1444	16.1	15.7	-0.0695	0.7613	0.0442	0.7361	0.0458	0.1381	0.0611	0.245
1445	16.1	15.5	-0.0696	0.7611	0.0439	0.7354	0.0458	0.1393	0.0593	0.2444
1446	15.6	15.4	-0.0698	0.7605	0.0434	0.7342	0.0366	0.1397	0.0602	0.2365
1447	15.8	15.2	-0.0694	0.7603	0.0439	0.7348	0.033	0.1355	0.0595	0.228
1448	15.4	15.1	-0.0695	0.7605	0.0438	0.7348	0.0319	0.1331	0.0583	0.2232
1449	15.1	15	-0.0697	0.7601	0.0437	0.7342	0.0233	0.1389	0.0512	0.2134
1450	13.9	14.9	-0.0696	0.7597	0.0438	0.7338	0.0075	0.1298	0.039	0.1762
1451	14.3	14.8	-0.0688	0.7595	0.0443	0.735	0.001	0.1222	0.0317	0.1549
1452	14.2	14.6	-0.0678	0.7606	0.0449	0.7376	-0.0031	0.1096	0.0319	0.1384
1453	13.8	14.5	-0.0676	0.7615	0.0453	0.7392	0.0033	0.1176	0.0333	0.1543
1454	13.8	14.4	-0.0672	0.7625	0.0453	0.7406	-0.0072	0.1083	0.0345	0.1356
1455	14	14.2	-0.0671	0.7635	0.045	0.7414	-0.0046	0.1013	0.0304	0.1272
1456	14.2	14.2	-0.0678	0.7645	0.0442	0.7409	0.0162	0.0873	0.0306	0.134
1457	14.3	14.1	-0.0684	0.7645	0.0432	0.7393	0.0294	0.0787	0.0403	0.1484
1458	13.7	14	-0.069	0.7612	0.0433	0.7355	0.0385	0.0727	0.0448	0.1561
1459	14.3	13.9	-0.0688	0.7625	0.0433	0.737	0.0375	0.0724	0.05	0.1598
1460	13.6	13.9	-0.0693	0.7621	0.0434	0.7362	0.0278	0.0773	0.0529	0.158
1461	13.7	13.9	-0.0698	0.7616	0.0433	0.7351	0.0243	0.0653	0.047	0.1365
1462	13.7	13.9	-0.0706	0.7613	0.0431	0.7338	0.0203	0.044	0.044	0.1083
1463	13.8	14	-0.0704	0.7616	0.0426	0.7339	0.0226	0.0444	0.0436	0.1106
1464	13.6	14	-0.0702	0.7613	0.0425	0.7336	0.027	0.0452	0.043	0.1152
1465	13.9	14	-0.0704	0.7607	0.0425	0.7327	0.0239	0.0451	0.0441	0.1131
1466	14.3	14	-0.0709	0.7599	0.0424	0.7314	0.0268	0.0393	0.0512	0.1173
1467	13.8	14	-0.0712	0.7591	0.0423	0.7303	0.0232	0.0587	0.0472	0.1291
1468	14	13.9	-0.0708	0.7589	0.0422	0.7303	0.0276	0.0519	0.0441	0.1236
1469	13.9	13.9	-0.0704	0.7589	0.0421	0.7306	0.0178	0.041	0.0443	0.1031
1470	13.6	13.8	-0.0702	0.7582	0.0418	0.7298	0.0131	0.0528	0.0532	0.119
1471	14.1	13.8	-0.0692	0.7586	0.042	0.7313	0.0157	0.0688	0.058	0.1425

1472	14.8	13.7	-0.0699	0.7593	0.0422	0.7316	0.0192	0.0622	0.0679	0.1493
1473	13.8	13.6	-0.0705	0.7589	0.0422	0.7305	0.0145	0.0649	0.0737	0.1531
1474	15.1	13.6	-0.0705	0.7595	0.0416	0.7306	0.0028	0.0742	0.0693	0.1463
1475	13.7	13.4	-0.0692	0.7596	0.0414	0.7318	0.0028	0.0861	0.0682	0.1571
1476	13.9	13.3	-0.0687	0.7595	0.0415	0.7323	0.0094	0.0736	0.07	0.1529
1477	13.3	13.2	-0.0684	0.7601	0.0413	0.733	0.0165	0.0619	0.072	0.1505
1478	13.1	13.2	-0.0681	0.7615	0.0416	0.735	0.0228	0.0545	0.0721	0.1494
1479	12.7	13.1	-0.0678	0.7613	0.0419	0.7355	0.0268	0.0576	0.0725	0.157
1480	12.5	13.1	-0.0677	0.7604	0.0423	0.735	0.0231	0.0657	0.0775	0.1664
1481	12.6	13	-0.0684	0.7603	0.0421	0.734	0.0171	0.0859	0.0788	0.1818
1482	12	12.9	-0.0687	0.76	0.042	0.7334	0.0259	0.0776	0.0793	0.1827
1483	12.6	12.8	-0.0683	0.7607	0.0419	0.7343	0.0226	0.0749	0.0763	0.1738
1484	11.5	12.7	-0.0682	0.7619	0.0418	0.7355	0.0224	0.0746	0.0753	0.1723
1485	12.2	12.6	-0.068	0.7618	0.0413	0.7351	0.0228	0.0561	0.0756	0.1545
1486	12.3	12.6	-0.0684	0.7604	0.0414	0.7334	0.0201	0.0445	0.0758	0.1404
1487	12.9	12.5	-0.068	0.76	0.041	0.733	0.019	0.0434	0.0754	0.1377
1488	13.1	12.6	-0.0677	0.7593	0.0411	0.7327	0.0293	0.0339	0.0817	0.145
1489	12.3	12.6	-0.0689	0.759	0.0409	0.731	0.0354	0.0302	0.082	0.1475
1490	12.3	12.7	-0.0696	0.7586	0.0403	0.7294	0.0379	0.0359	0.0817	0.1555
1491	12.6	12.7	-0.0694	0.7586	0.04	0.7292	0.0404	0.0418	0.0782	0.1604
1492	12.9	12.8	-0.0695	0.7585	0.0398	0.7288	0.035	0.0499	0.0753	0.1602
1493	12.5	12.8	-0.07	0.7589	0.0401	0.729	0.0198	0.0612	0.0767	0.1578
1494	12.3	12.9	-0.0702	0.7593	0.0405	0.7295	0.0079	0.053	0.0722	0.1331
1495	12.9	13	-0.0697	0.7594	0.0407	0.7304	0.0062	0.0493	0.0729	0.1284
1496	13	13	-0.0695	0.7599	0.0408	0.7312	0.0061	0.051	0.0702	0.1273
1497	13.4	13	-0.0695	0.7599	0.0409	0.7312	0.0042	0.0486	0.068	0.1207
1498	13.6	13	-0.0694	0.7594	0.0411	0.7312	0.004	0.0549	0.0735	0.1324
1499	14	13	-0.069	0.7593	0.0414	0.7317	0.0052	0.0526	0.0708	0.1286
1500	13.3	13.1	-0.0691	0.7597	0.0416	0.7322	0.0095	0.0421	0.0675	0.1191
1501	13.4	13.1	-0.0687	0.7606	0.0416	0.7335	0.0179	0.03	0.0674	0.1152
1502	13.5	13.2	-0.0691	0.7599	0.0412	0.7319	0.0306	0.0236	0.0758	0.1301
1503	13.5	13.2	-0.0696	0.7602	0.041	0.7317	0.0409	0.0397	0.087	0.1676
1504	12.6	13.3	-0.0699	0.7604	0.0412	0.7317	0.0447	0.0532	0.092	0.1899
1505	13.2	13.3	-0.0716	0.7618	0.0407	0.7308	0.0561	0.0647	0.0936	0.2144
1506	13	13.3	-0.0725	0.7613	0.0399	0.7288	0.068	0.068	0.091	0.227
1507	12.4	13.3	-0.0734	0.7607	0.0394	0.7267	0.0576	0.0792	0.0902	0.227
1508	13.1	13.3	-0.0737	0.7604	0.0393	0.726	0.0543	0.0762	0.0897	0.2202

1509	13.6	13.3	-0.0733	0.7599	0.039	0.7255	0.0438	0.044	0.0901	0.1779
1510	13.3	13.3	-0.0732	0.7602	0.039	0.726	0.0425	0.0669	0.0819	0.1913
1511	13.2	13.3	-0.0723	0.7603	0.0392	0.7272	0.0296	0.0725	0.0764	0.1786
1512	13.5	13.2	-0.0714	0.7598	0.0393	0.7276	0.0179	0.0649	0.0741	0.1569
1513	13.5	13.2	-0.071	0.7601	0.0393	0.7283	0.0085	0.0636	0.0743	0.1464
1514	13.9	13.3	-0.0708	0.7601	0.0396	0.7288	0.0136	0.071	0.0729	0.1575
1515	12.8	13.3	-0.0711	0.7599	0.0394	0.7282	0.0194	0.0673	0.0728	0.1595
1516	13.2	13.3	-0.0706	0.7588	0.0395	0.7277	0.0179	0.0607	0.072	0.1506
1517	13.7	13.4	-0.0711	0.7599	0.0397	0.7285	0.0137	0.053	0.073	0.1397
1518	13.5	13.4	-0.0708	0.7604	0.0395	0.7291	0.0111	0.047	0.0751	0.1332
1519	13.2	13.4	-0.0711	0.7592	0.0388	0.7269	0.012	0.0408	0.0751	0.1278
1520	13.2	13.4	-0.0719	0.7579	0.0382	0.7243	0.0112	0.048	0.0742	0.1335
1521	13.1	13.4	-0.0721	0.7572	0.038	0.7231	-0.0007	0.038	0.0662	0.1035
1522	13.1	13.4	-0.0716	0.756	0.0383	0.7227	0.004	0.0481	0.06	0.1121
1523	13.6	13.4	-0.0711	0.7553	0.0382	0.7225	0.0002	0.0489	0.0558	0.105
1524	14	13.3	-0.0713	0.7547	0.038	0.7214	-0.0075	0.0488	0.0527	0.094
1525	13.2	13.3	-0.0715	0.7557	0.038	0.7222	-0.0019	0.0505	0.0459	0.0945
1526	13.4	13.2	-0.0714	0.7557	0.0378	0.7221	0.0178	0.0452	0.0459	0.1089
1527	13.5	13.2	-0.0711	0.7561	0.038	0.7231	0.0381	0.0315	0.0533	0.1229
1528	13.4	13.1	-0.0712	0.7568	0.0384	0.724	0.0496	0.0358	0.0568	0.1422
1529	12.8	13.1	-0.0714	0.7569	0.0382	0.7238	0.0526	0.0571	0.0632	0.1729
1530	13.1	13	-0.0713	0.7568	0.0386	0.7241	0.0529	0.0563	0.0721	0.1812
1531	13.4	13	-0.0721	0.7575	0.0383	0.7237	0.0474	0.0529	0.0775	0.1779
1532	13.5	12.9	-0.0721	0.7575	0.0379	0.7234	0.0375	0.0577	0.0755	0.1707
1533	12.9	12.9	-0.0725	0.7569	0.0372	0.7217	0.0319	0.0642	0.0746	0.1707
1534	12.5	12.8	-0.0727	0.7574	0.037	0.7217	0.0401	0.0753	0.0734	0.1888
1535	12.2	12.8	-0.0727	0.7572	0.0367	0.7211	0.0383	0.0846	0.0759	0.1987
1536	12.6	12.7	-0.0723	0.7563	0.0364	0.7205	0.0348	0.0821	0.0733	0.1903
1537	12.3	12.7	-0.0722	0.7559	0.0358	0.7194	0.0315	0.0602	0.0669	0.1585
1538	12.1	12.6	-0.0719	0.7558	0.0359	0.7198	0.0392	0.0538	0.0624	0.1554
1539	12.5	12.6	-0.0719	0.7557	0.036	0.7198	0.0408	0.044	0.0654	0.1501
1540	12.5	12.6	-0.0716	0.7556	0.0363	0.7203	0.0263	0.0441	0.0665	0.1369
1541	12.3	12.5	-0.0707	0.7549	0.0366	0.7207	0.0252	0.0361	0.0632	0.1245
1542	12.6	12.5	-0.0702	0.7549	0.0365	0.7212	0.0329	0.0345	0.0605	0.1278
1543	12.8	12.5	-0.0699	0.7561	0.0368	0.723	0.0366	0.0366	0.0623	0.1354
1544	12	12.5	-0.0701	0.7564	0.0369	0.7232	0.0342	0.0376	0.0639	0.1356
1545	12.2	12.6	-0.0702	0.756	0.0369	0.7227	0.0293	0.0422	0.0641	0.1356

1546	12.7	12.6	-0.0702	0.7557	0.0367	0.7221	0.0307	0.0531	0.0666	0.1504
1547	12.4	12.6	-0.0698	0.7548	0.0365	0.7215	0.0288	0.0607	0.0696	0.1591
1548	12.4	12.6	-0.07	0.7552	0.0367	0.7219	0.0263	0.06	0.0725	0.1588
1549	12.9	12.7	-0.0707	0.7559	0.037	0.7223	0.0249	0.0614	0.0754	0.1618
1550	12.8	12.7	-0.0714	0.7567	0.037	0.7223	0.0367	0.0589	0.0758	0.1715
1551	12.6	12.7	-0.0719	0.7572	0.0367	0.722	0.0472	0.0572	0.0806	0.185
1552	12.6	12.7	-0.0719	0.7566	0.0362	0.7209	0.0544	0.0729	0.0878	0.2151
1553	13.1	12.7	-0.0721	0.7562	0.0361	0.7202	0.0569	0.0789	0.089	0.2248
1554	13.1	12.8	-0.0728	0.7561	0.0359	0.7192	0.0455	0.0795	0.0902	0.2153
1555	12.6	12.8	-0.0739	0.7567	0.0359	0.7187	0.0295	0.0915	0.0903	0.2113
1556	12.7	12.8	-0.0735	0.7566	0.0351	0.7182	0.0086	0.1131	0.0878	0.2095
1557	12.9	12.9	-0.0738	0.7568	0.0342	0.7173	0.0022	0.1148	0.0816	0.1985
1558	13.1	13	-0.0734	0.7568	0.0343	0.7177	-0.0043	0.1138	0.0754	0.1849
1559	12.5	13	-0.0731	0.7558	0.0351	0.7179	-0.0143	0.1089	0.0754	0.17
1560	12.7	13.1	-0.0722	0.7548	0.0357	0.7184	-0.0131	0.1021	0.0771	0.1661
1561	12.8	13.1	-0.0716	0.7551	0.0359	0.7195	-0.0107	0.1164	0.0778	0.1835
1562	13.1	13.1	-0.0714	0.7549	0.0356	0.7191	-0.001	0.1163	0.0788	0.1942
1563	13	13.1	-0.0718	0.7546	0.0353	0.7181	0.0038	0.1028	0.0788	0.1854
1564	13.3	13.1	-0.0721	0.7546	0.0352	0.7177	0.0109	0.1032	0.0769	0.191
1565	13.5	13.1	-0.0722	0.7546	0.0353	0.7177	0.0257	0.1021	0.0775	0.2053
1566	13.5	13.1	-0.0722	0.7546	0.0351	0.7174	0.0228	0.0895	0.0744	0.1866
1567	14	13.1	-0.0723	0.7544	0.0348	0.7169	0.0307	0.0735	0.0779	0.1821
1568	14	13	-0.072	0.7548	0.0347	0.7175	0.0273	0.0914	0.0822	0.201
1569	13.7	13.1	-0.0716	0.7541	0.0347	0.7173	0.0326	0.0991	0.0797	0.2114
1570	13.6	13.1	-0.0702	0.7544	0.0352	0.7195	0.0349	0.0832	0.0743	0.1924
1571	12.6	13.1	-0.0696	0.7538	0.036	0.7201	0.034	0.0703	0.0737	0.178
1572	12.3	13.1	-0.0699	0.7544	0.0366	0.7212	0.0332	0.067	0.0761	0.1763
1573	12.3	13.1	-0.0698	0.754	0.0369	0.7212	0.0351	0.0588	0.081	0.1749
1574	12.5	13.1	-0.0703	0.7544	0.037	0.7211	0.0346	0.0547	0.0781	0.1675
1575	13.1	13.1	-0.071	0.7551	0.0368	0.7209	0.0229	0.0497	0.0756	0.1481
1576	12.6	13.1	-0.0725	0.7563	0.0362	0.72	0.0016	0.0564	0.0721	0.13
1577	12.6	13.1	-0.0734	0.7565	0.0356	0.7187	-0.0019	0.0586	0.0688	0.1255
1578	13.1	13.1	-0.0734	0.7558	0.0353	0.7177	0.0055	0.0654	0.0624	0.1333
1579	12.9	13.1	-0.0731	0.7557	0.0347	0.7174	0.0106	0.0594	0.0659	0.1359
1580	12.8	13.1	-0.0724	0.7551	0.0345	0.7172	0.021	0.0505	0.0659	0.1374
1581	12.6	13.1	-0.0721	0.7545	0.0345	0.7169	0.026	0.0413	0.0733	0.1406
1582	13.2	13.2	-0.0719	0.7536	0.0346	0.7163	0.0138	0.0521	0.0684	0.1344

1583	13.7	13.2	-0.0723	0.7532	0.0346	0.7155	0.0112	0.0632	0.0635	0.138
1584	13.9	13.2	-0.072	0.7534	0.0342	0.7156	-0.0002	0.0581	0.054	0.1119
1585	13.7	13.2	-0.0715	0.7536	0.034	0.7161	-0.0082	0.0698	0.0516	0.1131
1586	14.2	13.2	-0.0715	0.7544	0.0347	0.7175	-0.0091	0.0795	0.0509	0.1213
1587	13.1	13.2	-0.0719	0.7546	0.0348	0.7175	-0.0032	0.0683	0.0516	0.1167
1588	13.9	13.1	-0.0718	0.7549	0.0346	0.7177	0.0025	0.0578	0.0461	0.1064
1589	13.2	13.1	-0.0716	0.7546	0.0342	0.7173	0.004	0.062	0.0474	0.1134
1590	13.4	13.2	-0.0721	0.755	0.034	0.7169	0.0101	0.0588	0.0484	0.1173
1591	13.4	13.2	-0.0727	0.7551	0.0339	0.7164	0.0206	0.062	0.0559	0.1384
1592	12.3	13.2	-0.0731	0.7548	0.0335	0.7153	0.038	0.0504	0.07	0.1583
1593	12.6	13.1	-0.0734	0.7552	0.0337	0.7155	0.052	0.0612	0.0802	0.1934
1594	13	13.1	-0.0732	0.755	0.0341	0.716	0.0568	0.0762	0.0842	0.2172
1595	12.3	13	-0.0728	0.7541	0.0341	0.7153	0.0499	0.0821	0.0858	0.2178
1596	12.7	12.9	-0.0724	0.7538	0.0338	0.7153	0.0525	0.085	0.0847	0.2222
1597	12.9	12.9	-0.0721	0.7538	0.0336	0.7153	0.0519	0.0865	0.0818	0.2202
1598	12.3	12.8	-0.0719	0.7533	0.0336	0.715	0.0466	0.0768	0.0789	0.2023
1599	13.7	12.8	-0.0727	0.7535	0.0338	0.7145	0.037	0.0782	0.0781	0.1933
1600	13.7	12.8	-0.0738	0.754	0.0335	0.7137	0.0325	0.0894	0.0777	0.1996
1601	12.7	12.8	-0.0741	0.7534	0.0328	0.712	0.0255	0.0988	0.0775	0.2018
1602	12.3	12.9	-0.0748	0.752	0.0323	0.7094	0.0195	0.0965	0.0748	0.1907
1603	12.6	13	-0.0741	0.7523	0.032	0.7102	0.0114	0.0948	0.0679	0.1741
1604	12.8	13	-0.0729	0.7513	0.0322	0.7106	0.0041	0.0992	0.066	0.1694
1605	12.5	13.1	-0.0725	0.7504	0.0319	0.7099	-0.0044	0.0916	0.0653	0.1525
1606	12.5	13.1	-0.0727	0.7499	0.0317	0.7089	-0.014	0.1013	0.07	0.1573
1607	12.6	13.1	-0.073	0.7493	0.0318	0.7082	-0.0058	0.1041	0.0612	0.1595
1608	13.1	13.1	-0.0723	0.7496	0.0318	0.709	-0.0045	0.1067	0.0495	0.1517
1609	13.1	13.1	-0.072	0.7497	0.0313	0.7089	-0.0029	0.1037	0.0481	0.1489
1610	13.8	13	-0.0722	0.7486	0.0312	0.7076	0.0053	0.0926	0.0574	0.1553
1611	13.8	13	-0.0722	0.7487	0.0313	0.7078	0.0185	0.0816	0.0641	0.1642
1612	14.1	13.1	-0.0718	0.7495	0.0314	0.7091	0.023	0.0814	0.0664	0.1708
1613	13.4	13	-0.0721	0.7498	0.0316	0.7092	0.0248	0.0782	0.0685	0.1715
1614	13.5	13	-0.0734	0.7499	0.0318	0.7083	0.02	0.0834	0.0659	0.1693
1615	12.7	13	-0.0734	0.7509	0.032	0.7095	0.0174	0.0801	0.0659	0.1635
1616	13.3	13	-0.0737	0.7514	0.0317	0.7095	0.02	0.0804	0.0669	0.1672
1617	13.5	13	-0.0738	0.7507	0.0315	0.7084	0.0244	0.0874	0.0653	0.177
1618	12.8	13	-0.0741	0.7505	0.0315	0.708	0.0298	0.0886	0.065	0.1834
1619	12.7	12.9	-0.0746	0.7508	0.0314	0.7077	0.0329	0.0953	0.067	0.1952

1620	12.8	12.9	-0.0753	0.7509	0.0308	0.7065	0.0263	0.0888	0.064	0.179
1621	12.5	12.8	-0.0754	0.7505	0.0304	0.7054	0.0323	0.0949	0.0725	0.1997
1622	12.4	12.8	-0.0751	0.7501	0.0302	0.7052	0.0366	0.0963	0.0821	0.215
1623	12.7	12.8	-0.0745	0.7499	0.0304	0.7058	0.0317	0.1027	0.0835	0.2178
1624	12.2	12.7	-0.0736	0.7498	0.0304	0.7066	0.0304	0.0983	0.0828	0.2114
1625	12.2	12.8	-0.0716	0.75	0.0308	0.7092	0.024	0.1013	0.0819	0.2072
1626	12.6	12.8	-0.0712	0.7499	0.0309	0.7095	0.0235	0.1045	0.0821	0.2101
1627	12.5	12.8	-0.0716	0.7496	0.0318	0.7098	0.0159	0.1195	0.0736	0.209
1628	12.5	12.8	-0.0722	0.7509	0.0318	0.7104	0.0137	0.1145	0.0687	0.1969
1629	12.4	12.8	-0.0735	0.7519	0.0316	0.71	0.0188	0.1078	0.0668	0.1934
1630	12.9	12.8	-0.0739	0.7527	0.0312	0.71	0.024	0.1015	0.0663	0.1918
1631	13.5	12.8	-0.0735	0.7523	0.0314	0.7102	0.0323	0.0966	0.0697	0.1986
1632	12.9	12.9	-0.0732	0.7512	0.0316	0.7096	0.0382	0.0926	0.071	0.2017
1633	13	13	-0.0724	0.7511	0.0318	0.7105	0.0378	0.0815	0.0745	0.1938
1634	13.5	13	-0.0718	0.7504	0.0318	0.7104	0.0299	0.0792	0.0779	0.187
1635	13.4	13.1	-0.0718	0.7492	0.0316	0.709	0.0327	0.0871	0.0721	0.1919
1636	13.5	13.2	-0.0719	0.7495	0.0312	0.7088	0.0353	0.0972	0.0659	0.1984
1637	13.7	13.2	-0.0724	0.7501	0.0312	0.7088	0.0389	0.0978	0.0713	0.208
1638	12.3	13.3	-0.0723	0.7496	0.0311	0.7084	0.0429	0.0933	0.0729	0.2091
1639	12.6	13.4	-0.0729	0.7498	0.0312	0.7081	0.0486	0.0839	0.0732	0.2057
1640	13.2	13.4	-0.0737	0.7494	0.0307	0.7064	0.05	0.0932	0.073	0.2162
1641	12.9	13.4	-0.0745	0.7498	0.0296	0.7049	0.0398	0.1046	0.0686	0.2131
1642	14.2	13.5	-0.0754	0.7488	0.0285	0.7019	0.0266	0.1107	0.0646	0.2019
1643	14	13.5	-0.0756	0.7484	0.0284	0.7012	0.0218	0.1165	0.0575	0.1958
1644	14	13.5	-0.0751	0.7482	0.0283	0.7014	0.0219	0.1194	0.0604	0.2017
1645	13.4	13.5	-0.0755	0.7475	0.0284	0.7005	0.0253	0.1184	0.0681	0.2117
1646	13.3	13.4	-0.0754	0.747	0.0285	0.7001	0.0332	0.1138	0.0694	0.2164
1647	14.1	13.4	-0.0745	0.7471	0.0286	0.7013	0.0401	0.1073	0.0683	0.2157
1648	14	13.5	-0.0737	0.7474	0.0289	0.7026	0.0357	0.109	0.0713	0.216
1649	13.2	13.5	-0.0739	0.747	0.0292	0.7023	0.0347	0.1142	0.0712	0.2201
1650	13.4	13.5	-0.074	0.7468	0.0293	0.7021	0.0242	0.1143	0.0751	0.2136
1651	14.2	13.5	-0.0738	0.7475	0.0292	0.7029	0.0089	0.1218	0.0731	0.2038
1652	13.5	13.5	-0.0731	0.7471	0.0294	0.7035	0.004	0.1176	0.0646	0.1862
1653	13.4	13.4	-0.0725	0.7463	0.0295	0.7033	0.0028	0.1008	0.0585	0.1621
1654	13.2	13.4	-0.0724	0.7469	0.0294	0.7039	0.0162	0.1041	0.0577	0.178
1655	12.7	13.4	-0.0725	0.7465	0.0289	0.7029	0.0313	0.0891	0.0588	0.1793
1656	13.7	13.4	-0.0729	0.7461	0.029	0.7022	0.0334	0.0771	0.0563	0.1668

1657	13	13.3	-0.0733	0.7462	0.0292	0.7021	0.0316	0.0689	0.0555	0.1559
1658	13	13.4	-0.0731	0.7464	0.0295	0.7028	0.0287	0.0623	0.062	0.153
1659	13.4	13.4	-0.0736	0.7466	0.0294	0.7023	0.0356	0.0658	0.0636	0.165
1660	13.2	13.4	-0.0741	0.7467	0.0293	0.702	0.0347	0.0704	0.0577	0.1628
1661	13.1	13.3	-0.0739	0.747	0.0292	0.7024	0.0241	0.0586	0.0596	0.1423
1662	13.1	13.2	-0.0739	0.7471	0.0288	0.702	0.0171	0.0734	0.0559	0.1464
1663	13.2	13.3	-0.0738	0.7462	0.0287	0.7012	0.0193	0.078	0.0519	0.1492
1664	12.9	13.3	-0.0739	0.7466	0.0286	0.7013	0.0096	0.0831	0.0529	0.1456
1665	13.6	13.3	-0.0742	0.7466	0.0286	0.701	-0.0025	0.0721	0.0535	0.1232
1666	13.5	13.3	-0.0747	0.7459	0.0285	0.6997	-0.0001	0.0787	0.0518	0.1304
1667	14.3	13.3	-0.0753	0.7456	0.0283	0.6986	0.0001	0.081	0.0479	0.129
1668	13.8	13.3	-0.0753	0.7453	0.028	0.698	0.0018	0.0713	0.0471	0.1201
1669	12.7	13.3	-0.0742	0.7452	0.0283	0.6994	-0.0013	0.0673	0.0492	0.1152
1670	13	13.3	-0.0734	0.7449	0.028	0.6995	-0.0001	0.0753	0.0521	0.1273
1671	12.8	13.3	-0.0733	0.7441	0.0278	0.6986	-0.003	0.0791	0.0509	0.127
1672	13.5	13.3	-0.0731	0.7442	0.0283	0.6994	-0.0008	0.0774	0.0504	0.1271
1673	13.4	13.3	-0.0728	0.7442	0.0286	0.7	0.006	0.0719	0.0524	0.1302
1674	13.3	13.3	-0.0727	0.7443	0.0288	0.7004	0.0159	0.0785	0.0544	0.1488
1675	13.2	13.3	-0.0733	0.7446	0.0286	0.6999	0.0253	0.0819	0.056	0.1632
1676	13.3	13.3	-0.0741	0.7444	0.0288	0.6991	0.0398	0.0867	0.0596	0.1861
1677	13.7	13.2	-0.0748	0.7451	0.0287	0.6991	0.0446	0.09	0.0607	0.1953
1678	13.7	13.2	-0.0753	0.745	0.0286	0.6983	0.037	0.0846	0.066	0.1875
1679	13.3	13.2	-0.0755	0.7456	0.0281	0.6982	0.0322	0.0857	0.0653	0.1831
1680	12.8	13.3	-0.0756	0.7454	0.0275	0.6973	0.0217	0.094	0.0625	0.1782
1681	13.3	13.4	-0.0759	0.7453	0.0274	0.6967	0.0186	0.1023	0.0618	0.1826
1682	13.1	13.4	-0.0756	0.7454	0.0271	0.6969	0.0294	0.1019	0.0644	0.1957
1683	12.7	13.4	-0.0753	0.7453	0.0268	0.6968	0.0394	0.0935	0.0698	0.2027
1684	13	13.4	-0.0753	0.7447	0.027	0.6964	0.0453	0.0983	0.0757	0.2193
1685	13.3	13.5	-0.075	0.7438	0.0274	0.6962	0.0453	0.1032	0.0716	0.2201
1686	13.4	13.5	-0.0754	0.7446	0.0276	0.6967	0.0496	0.0937	0.0686	0.212
1687	13.3	13.5	-0.0762	0.7453	0.0275	0.6966	0.0445	0.0991	0.0679	0.2115
1688	13.5	13.5	-0.0767	0.7465	0.0272	0.6971	0.0335	0.1087	0.0694	0.2115
1689	14.2	13.4	-0.0766	0.7453	0.0269	0.6957	0.0333	0.1034	0.0728	0.2096
1690	14.3	13.5	-0.0761	0.7445	0.0271	0.6956	0.0309	0.0967	0.0739	0.2015
1691	13.7	13.5	-0.0753	0.744	0.0275	0.6962	0.0244	0.0771	0.0699	0.1715
1692	13.3	13.6	-0.0753	0.7432	0.0278	0.6957	0.0176	0.0784	0.0531	0.1491
1693	13.6	13.7	-0.0756	0.7432	0.0277	0.6953	0.0147	0.0649	0.0455	0.1251

1694	14	13.7	-0.0757	0.7432	0.0273	0.6948	0.0119	0.0609	0.0466	0.1194
1695	13.5	13.7	-0.0761	0.7427	0.0271	0.6937	0.0117	0.0649	0.043	0.1196
1696	14.1	13.7	-0.0764	0.7431	0.027	0.6937	0.0038	0.0488	0.0354	0.0881
1697	13.2	13.7	-0.0757	0.7429	0.0265	0.6937	0.0023	0.0413	0.0285	0.0721
1698	13.1	13.7	-0.0754	0.7419	0.0265	0.693	0.0162	0.0436	0.0291	0.0889
1699	13.9	13.7	-0.0751	0.742	0.0263	0.6932	0.0269	0.0405	0.0349	0.1023
1700	13.8	13.6	-0.0747	0.7418	0.0262	0.6934	0.0273	0.0322	0.0438	0.1034
1701	14.2	13.6	-0.0745	0.7416	0.0264	0.6934	0.0284	0.0315	0.0514	0.1113
1702	14	13.6	-0.0751	0.7419	0.0264	0.6932	0.0345	0.0365	0.0507	0.1217
1703	13.4	13.6	-0.0758	0.7419	0.0263	0.6923	0.0442	0.0384	0.055	0.1376
1704	13.3	13.5	-0.076	0.7424	0.0263	0.6927	0.0485	0.0226	0.0579	0.129
1705	13.6	13.4	-0.0758	0.7427	0.0263	0.6932	0.0459	0.0377	0.0601	0.1437
1706	13.3	13.3	-0.0759	0.743	0.0262	0.6933	0.0349	0.0408	0.0569	0.1325
1707	14.1	13.3	-0.0758	0.7431	0.0256	0.6929	0.028	0.0354	0.056	0.1194
1708	13.4	13.3	-0.0759	0.743	0.0254	0.6925	0.0187	0.0446	0.0581	0.1214
1709	12.9	13.2	-0.0755	0.7426	0.0255	0.6926	0.0166	0.045	0.0625	0.1241
1710	13.3	13.1	-0.0746	0.7427	0.0252	0.6934	0.009	0.0516	0.06	0.1206
1711	13.1	13	-0.0739	0.7414	0.0257	0.6932	0.0032	0.05	0.0579	0.1111
1712	13.3	12.9	-0.0738	0.7417	0.0262	0.6942	0.0093	0.0496	0.0578	0.1166
1713	12.6	12.8	-0.0731	0.7414	0.0263	0.6947	0.0097	0.0504	0.0555	0.1156
1714	12.6	12.7	-0.0731	0.7426	0.0265	0.696	0.0107	0.0463	0.0514	0.1084
1715	12.1	12.6	-0.0734	0.743	0.0268	0.6965	0.0074	0.0575	0.0529	0.1178
1716	12.4	12.6	-0.0737	0.7434	0.0269	0.6966	0.0055	0.0545	0.0562	0.1163
1717	12.5	12.5	-0.074	0.7436	0.0268	0.6964	0.0013	0.0487	0.053	0.103
1718	12.2	12.4	-0.074	0.7438	0.0266	0.6964	-0.0043	0.0445	0.0459	0.0862
1719	12.3	12.4	-0.0746	0.7433	0.0262	0.695	0.0006	0.032	0.0431	0.0757
1720	12.5	12.3	-0.075	0.743	0.0257	0.6938	0.015	0.031	0.05	0.096
1721	12.2	12.3	-0.0754	0.7428	0.0253	0.6927	0.0222	0.0316	0.051	0.1047
1722	11.9	12.3	-0.0757	0.7429	0.025	0.6922	0.0249	0.0245	0.0501	0.0995
1723	11.9	12.2	-0.0761	0.742	0.025	0.6909	0.0258	0.0252	0.0514	0.1024
1724	11.6	12.2	-0.0761	0.7416	0.0248	0.6903	0.0352	0.0124	0.0543	0.1019
1725	12.4	12.3	-0.0756	0.7414	0.0248	0.6905	0.0404	0.0103	0.056	0.1067
1726	12.4	12.2	-0.0757	0.7409	0.0248	0.69	0.0346	0.0089	0.054	0.0974
1727	12.2	12.2	-0.0753	0.7411	0.0252	0.691	0.0278	0.0043	0.058	0.0901
1728	11.9	12.2	-0.0755	0.7423	0.0253	0.6921	0.0239	0.02	0.0562	0.1001
1729	11.9	12.2	-0.0757	0.7425	0.0254	0.6922	0.0231	0.0267	0.0528	0.1026
1730	12.8	12.1	-0.0757	0.7424	0.0251	0.6918	0.0233	0.0367	0.0486	0.1087

1731	12.6	12.1	-0.0764	0.7421	0.025	0.6907	0.023	0.0207	0.0433	0.087
1732	12.4	12.1	-0.0771	0.7419	0.0246	0.6893	0.0281	0.0199	0.0496	0.0975
1733	12.3	12.1	-0.077	0.7413	0.0243	0.6886	0.0254	0.021	0.0483	0.0947
1734	12.4	12.1	-0.0764	0.7401	0.0247	0.6884	0.025	0.0191	0.0422	0.0862
1735	12.3	12.1	-0.0768	0.7398	0.0247	0.6878	0.0247	0.0212	0.0421	0.088
1736	12.3	12.1	-0.0764	0.7396	0.0244	0.6876	0.0189	0.0219	0.0447	0.0855
1737	11.1	12.1	-0.0758	0.7392	0.0242	0.6877	0.0101	0.029	0.0421	0.0811
1738	12	12.1	-0.0756	0.7392	0.0238	0.6875	0.0055	0.0351	0.0383	0.0788
1739	11	12.1	-0.076	0.7401	0.0238	0.6879	0.0057	0.0455	0.0366	0.0879
1740	11.9	12.1	-0.0761	0.7417	0.0237	0.6893	0.016	0.0271	0.0332	0.0763
1741	11.6	12.1	-0.0763	0.742	0.0243	0.69	0.0333	0.0157	0.0384	0.0874
1742	12.5	12	-0.0769	0.7423	0.0239	0.6894	0.0416	0.014	0.047	0.1027
1743	12.2	12	-0.0768	0.7423	0.0237	0.6893	0.0382	0.009	0.0536	0.1007
1744	12.4	11.9	-0.0763	0.7417	0.024	0.6895	0.0262	0.0155	0.0536	0.0953
1745	11.9	11.9	-0.0758	0.7426	0.0249	0.6917	0.0158	0.0277	0.0514	0.0949
1746	12.3	11.8	-0.0756	0.7429	0.0256	0.6929	0.0013	0.0282	0.0476	0.0771
1747	12.5	11.8	-0.0761	0.7428	0.0257	0.6924	-0.0002	0.0282	0.0452	0.0732
1748	11.8	11.8	-0.0764	0.7433	0.0254	0.6924	0.007	0.0289	0.0371	0.073
1749	12.3	11.9	-0.0766	0.7437	0.0248	0.692	0.0008	0.0249	0.0367	0.0625
1750	12.3	11.9	-0.0768	0.7436	0.0242	0.691	-0.0021	0.0222	0.0328	0.0529
1751	11.3	11.9	-0.0773	0.7439	0.0242	0.6908	0.0029	0.0141	0.0322	0.0493
1752	11.5	11.9	-0.0775	0.7433	0.0239	0.6897	0.0046	0.0118	0.0339	0.0504
1753	11.6	11.9	-0.0773	0.744	0.0237	0.6904	-0.0011	0.0152	0.035	0.0491
1754	11.3	11.8	-0.077	0.7431	0.0234	0.6896	-0.0078	0.0147	0.0336	0.0405
1755	10.9	11.9	-0.076	0.7425	0.0232	0.6897	-0.0104	0.0202	0.0344	0.0442
1756	11.2	11.8	-0.0757	0.7426	0.0234	0.6903	-0.0088	0.0243	0.0345	0.05
1757	11.9	11.8	-0.0752	0.7417	0.0234	0.69	-0.0092	0.0272	0.034	0.0521
1758	12.1	11.9	-0.0747	0.7419	0.0232	0.6904	-0.0089	0.0285	0.0281	0.0478
1759	11.8	11.8	-0.0745	0.7414	0.0234	0.6903	-0.0095	0.0277	0.0261	0.0442
1760	11.8	11.7	-0.0744	0.7417	0.0235	0.6908	-0.0051	0.024	0.0273	0.0462
1761	12	11.8	-0.0748	0.7421	0.0235	0.6907	0.0048	0.0257	0.0247	0.0552
1762	12.1	11.8	-0.0749	0.7421	0.0232	0.6904	0.0123	0.0105	0.0303	0.0532
1763	12.4	11.8	-0.0748	0.7416	0.0236	0.6903	0.0142	0.0147	0.0364	0.0653
1764	12.2	11.8	-0.0746	0.7408	0.0233	0.6895	0.0219	0.0117	0.0381	0.0717
1765	11.9	11.9	-0.0747	0.7411	0.023	0.6893	0.0216	0.0258	0.0403	0.0877
1766	12.3	11.9	-0.0748	0.741	0.0232	0.6894	0.0194	0.0307	0.0445	0.0946
1767	12.1	11.8	-0.0749	0.7411	0.0237	0.69	0.0154	0.0349	0.0468	0.0971

1768	10.9	11.7	-0.0754	0.7421	0.0237	0.6904	0.0124	0.0382	0.0453	0.0959
1769	11.5	11.7	-0.0757	0.7422	0.0233	0.6898	0.0128	0.0412	0.0439	0.0979
1770	11.9	11.7	-0.0756	0.7417	0.0229	0.689	0.0054	0.0356	0.0396	0.0806
1771	11.9	11.6	-0.0758	0.7417	0.0227	0.6887	0.0005	0.0319	0.0343	0.0667
1772	11.5	11.6	-0.0756	0.7416	0.0231	0.6891	-0.0045	0.0296	0.0293	0.0544
1773	12	11.6	-0.0763	0.7429	0.0232	0.6898	-0.0084	0.0316	0.0252	0.0484
1774	11.8	11.5	-0.0767	0.7433	0.0232	0.6898	-0.0145	0.0208	0.0258	0.032
1775	11.1	11.5	-0.0768	0.7438	0.0232	0.6901	-0.0145	0.0151	0.0239	0.0245
1776	10.7	11.4	-0.0769	0.7439	0.023	0.6901	-0.008	0.0124	0.024	0.0284
1777	11	11.4	-0.0772	0.7431	0.0231	0.689	-0.009	0.0059	0.0247	0.0215
1778	11.2	11.5	-0.0776	0.7424	0.0233	0.6881	-0.0043	0.0098	0.0301	0.0357
1779	11.2	11.6	-0.0778	0.7419	0.0232	0.6873	-0.0064	0.0259	0.0314	0.051
1780	11.4	11.6	-0.078	0.7434	0.0232	0.6886	-0.0094	0.0293	0.0333	0.0532
1781	11.8	11.7	-0.0788	0.7433	0.0224	0.687	-0.0104	0.0289	0.0295	0.048
1782	11.1	11.7	-0.0782	0.7433	0.0223	0.6875	-0.0204	0.0242	0.0289	0.0326
1783	11	11.7	-0.0778	0.7433	0.0226	0.6881	-0.0315	0.0211	0.0236	0.0131
1784	11.3	11.8	-0.0778	0.7426	0.0228	0.6876	-0.0292	0.0126	0.019	0.0024
1785	11.4	11.8	-0.0769	0.7416	0.0229	0.6877	-0.0209	-0.0051	0.0254	-0.0005
1786	12.3	11.9	-0.0764	0.7417	0.0234	0.6886	-0.0271	-0.0091	0.0264	-0.0098
1787	12.2	11.9	-0.0767	0.7418	0.0236	0.6887	-0.0216	-0.0134	0.0226	-0.0124
1788	12.7	11.9	-0.0772	0.742	0.0236	0.6883	-0.0124	-0.0194	0.0196	-0.0122
1789	12.7	11.9	-0.0782	0.7426	0.0236	0.6881	-0.0098	-0.0191	0.0136	-0.0153
1790	13	11.9	-0.0794	0.7429	0.0233	0.6869	-0.0162	-0.0049	0.0131	-0.0079
1791	12.8	11.8	-0.0795	0.7426	0.0228	0.6859	-0.0184	0.0207	0.0122	0.0145
1792	12.3	11.9	-0.0791	0.7423	0.0224	0.6856	-0.0218	0.0265	0.0214	0.0261
1793	12.2	12	-0.0782	0.7417	0.0223	0.6858	-0.0327	0.0328	0.0163	0.0163
1794	12	12	-0.0773	0.7404	0.0221	0.6853	-0.031	0.0336	0.0127	0.0153
1795	11.5	11.8	-0.0763	0.7399	0.0224	0.686	-0.0226	0.023	0.0183	0.0187
1796	12	11.6	-0.0764	0.7403	0.0225	0.6864	-0.0152	0.0404	0.0338	0.0589
1797	11	11.4	-0.0764	0.7401	0.0228	0.6865	-0.0111	0.0455	0.0487	0.0831
1798	11	11.3	-0.0755	0.7394	0.0228	0.6867	-0.0203	0.0443	0.0517	0.0756
1799	11.8	11.2	-0.0749	0.7398	0.023	0.6879	-0.0265	0.0562	0.0466	0.0763
1800	10.7	10.7	-0.075	0.7404	0.023	0.6884	-0.0319	0.0652	0.036	0.0693