

Test Name	HPL, WC, rep 1
Cladding	High Pressure Laminate (HPL)
Cladding Thickness [mm]	8
Insulation	Water-cooled steel plate
Insulation Thickness [mm]	
Cavity Width [mm]	50
Repetition Number	1
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a High Pressure Laminate (HPL) cladding panel and a Water-cooled steel plate insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	The HPL panel was seen to continue smouldering after the experiment was terminated, requiring extinguishment
Peak HRR [kW]	6.29
Time to Peak HRR [mins]	12.98
Residual HRR [kW]	1.5
Total HR [MJ]	3.58
Peak dQ/dt [kW/s]	0.0493
Time to Peak dQ/dt [s]	15.72

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	0.197	0.197	6.9528	0	0.0032	6.956	0.0675	0	-0.1955	-0.128
1	0.384	0.338	6.9537	0	0.0052	6.959	0.0662	0	-0.1917	-0.1255
2	0.432	0.383	6.9537	0	0.0053	6.959	0.0682	0	-0.1831	-0.1149
3	0.44	0.522	6.9531	0	0.0048	6.9578	0.0703	0	-0.1788	-0.1085
4	0.46	0.905	6.9527	0	0.0047	6.9574	0.0712	0	-0.1705	-0.0993
5	0.661	1.47	6.9527	0	0.0048	6.9575	0.0814	0	-0.1727	-0.0913
6	1.08	2.12	6.9529	0	0.0051	6.958	0.0918	0	-0.1831	-0.0913
7	1.79	2.73	6.9529	0	0.0054	6.9583	0.0998	0	-0.1936	-0.0938
8	2.7	3.35	6.953	0	0.0054	6.9584	0.1066	0	-0.2023	-0.0957
9	3.64	3.86	6.953	0	0.0057	6.9587	0.1116	0	-0.218	-0.1064
10	4.42	4.29	6.9527	0	0.006	6.9587	0.1205	0	-0.2428	-0.1222
11	5.44	4.72	6.9523	0	0.0046	6.9569	0.1279	0	-0.2444	-0.1164
12	5.94	5.15	6.952	0	0.0045	6.9565	0.1288	0	-0.2433	-0.1146
13	6.35	5.58	6.9521	0	0.0041	6.9562	0.1282	0	-0.2409	-0.1127
14	6.97	6.01	6.9521	0	0.0041	6.9562	0.1247	0	-0.2414	-0.1167
15	8.01	6.43	6.9522	0	0.0043	6.9564	0.1291	0	-0.2678	-0.1386
16	8.07	6.86	6.9522	0	0.0044	6.9566	0.1318	0	-0.2762	-0.1444
17	8.06	7.24	6.9523	0	0.0044	6.9567	0.1359	0	-0.2703	-0.1344
18	8.35	7.58	6.9527	0	0.0053	6.958	0.1449	0	-0.2883	-0.1433
19	8.39	7.88	6.9531	0	0.0061	6.9592	0.1547	0	-0.2997	-0.145
20	8.43	8.14	6.9534	0	0.0071	6.9605	0.1612	0	-0.3041	-0.1429
21	8.68	8.34	6.9538	0	0.008	6.9618	0.1635	0	-0.3166	-0.1531
22	8.57	8.53	6.9539	0	0.0079	6.9618	0.1636	0	-0.3181	-0.1545
23	8.55	8.68	6.9544	0	0.0087	6.9631	0.1654	0	-0.3147	-0.1493
24	8.72	8.79	6.9542	0	0.0088	6.963	0.1643	0	-0.3115	-0.1472
25	9.26	8.86	6.9549	0	0.01	6.9649	0.1706	0	-0.3141	-0.1435
26	9.06	8.92	6.9556	0	0.0107	6.9664	0.1743	0	-0.3052	-0.1309
27	9.11	8.96	6.9554	0	0.0104	6.9658	0.1768	0	-0.3054	-0.1286
28	9.32	8.99	6.9556	0	0.0107	6.9663	0.1794	0	-0.3083	-0.129

29	9.36	9.05	6.9559	0	0.0105	6.9664	0.1809	0	-0.3204	-0.1396
30	9.33	9.09	6.956	0	0.0104	6.9664	0.1869	0	-0.3278	-0.1409
31	9.41	9.1	6.9561	0	0.0106	6.9667	0.1899	0	-0.3317	-0.1417
32	9.28	9.11	6.9562	0	0.0109	6.9672	0.1904	0	-0.3422	-0.1518
33	9.1	9.13	6.9559	0	0.0112	6.9672	0.1947	0	-0.3484	-0.1537
34	9.27	9.13	6.9551	0	0.011	6.9661	0.2042	0	-0.3403	-0.1361
35	9.22	9.11	6.9547	0	0.0108	6.9655	0.2132	0	-0.3327	-0.1196
36	8.85	9.09	6.9547	0	0.0114	6.9661	0.2163	0	-0.3249	-0.1086
37	8.97	9.06	6.9543	0	0.0113	6.9656	0.2165	0	-0.319	-0.1026
38	9.49	9.02	6.9526	0	0.0124	6.965	0.2202	0	-0.3134	-0.0932
39	9.06	8.98	6.9521	0	0.0122	6.9642	0.2239	0	-0.3182	-0.0942
40	8.88	8.96	6.9515	0	0.0123	6.9637	0.2201	0	-0.3181	-0.098
41	8.93	8.95	6.951	0	0.012	6.963	0.2165	0	-0.3134	-0.097
42	8.91	8.94	6.9503	0	0.0119	6.9622	0.2183	0	-0.3065	-0.0882
43	8.74	8.94	6.9499	0	0.0122	6.9621	0.2278	0	-0.3012	-0.0734
44	8.71	8.9	6.9497	0	0.0124	6.9622	0.2333	0	-0.2982	-0.0649
45	8.79	8.85	6.9495	0	0.0117	6.9613	0.2324	0	-0.2979	-0.0655
46	8.57	8.82	6.9494	0	0.0106	6.96	0.2299	0	-0.2936	-0.0636
47	8.46	8.79	6.9497	0	0.0102	6.9599	0.229	0	-0.2867	-0.0577
48	8.57	8.73	6.9499	0	0.0108	6.9607	0.2308	0	-0.2924	-0.0616
49	8.94	8.7	6.9497	0	0.0106	6.9603	0.2304	0	-0.2914	-0.0609
50	9.27	8.66	6.9497	0	0.0106	6.9603	0.2311	0	-0.3055	-0.0744
51	9.21	8.61	6.9495	0	0.0103	6.9599	0.2339	0	-0.2771	-0.0433
52	8.97	8.57	6.9493	0	0.0103	6.9596	0.2451	0	-0.2502	-0.0051
53	8.48	8.55	6.9492	0	0.01	6.9593	0.2492	0	-0.2497	-0.0005
54	8.25	8.53	6.9486	0	0.0103	6.9589	0.2467	0	-0.2555	-0.0088
55	8.29	8.49	6.9479	0	0.0111	6.959	0.2471	0	-0.267	-0.02
56	8.39	8.5	6.9474	0	0.0119	6.9592	0.252	0	-0.2681	-0.0161
57	8.53	8.5	6.9469	0	0.0126	6.9594	0.2555	0	-0.2594	-0.0038
58	8.46	8.48	6.9465	0	0.0137	6.9602	0.2561	0	-0.2546	0.0015
59	7.98	8.45	6.9458	0	0.0154	6.9612	0.2559	0	-0.2526	0.0032
60	8.13	8.4	6.9453	0	0.0157	6.961	0.2537	0	-0.2466	0.0071
61	8.05	8.36	6.9451	0	0.0159	6.961	0.2487	0	-0.2478	0.0009
62	8.45	8.34	6.945	0	0.016	6.961	0.2424	0	-0.2656	-0.0233
63	8.24	8.34	6.9451	0	0.0163	6.9614	0.2391	0	-0.2769	-0.0379
64	8.05	8.36	6.9447	0	0.0182	6.9629	0.24	0	-0.2933	-0.0533
65	8.68	8.37	6.9444	0	0.0191	6.9634	0.2432	0	-0.3007	-0.0574

66	8.6	8.42	6.944	0	0.0189	6.9629	0.2506	0	-0.3054	-0.0548
67	8.2	8.45	6.9432	0	0.0204	6.9636	0.2543	0	-0.2985	-0.0443
68	8.26	8.48	6.9424	0	0.0215	6.9639	0.2546	0	-0.2996	-0.0451
69	8.4	8.55	6.9418	0	0.0221	6.9639	0.2613	0	-0.2947	-0.0334
70	8.36	8.62	6.9415	0	0.0233	6.9648	0.2731	0	-0.2888	-0.0157
71	8.57	8.69	6.9413	0	0.0237	6.965	0.2866	0	-0.2829	0.0037
72	8.56	8.73	6.941	0	0.0238	6.9648	0.3009	0	-0.2734	0.0276
73	8.59	8.77	6.9409	0	0.0239	6.9648	0.3141	0	-0.2768	0.0373
74	8.54	8.83	6.9403	0	0.0244	6.9647	0.3236	0	-0.2709	0.0528
75	9.24	8.86	6.9398	0	0.024	6.9638	0.3361	0	-0.2681	0.068
76	9.25	8.9	6.9395	0	0.0243	6.9638	0.3536	0	-0.2641	0.0895
77	9	8.94	6.9391	0	0.0249	6.964	0.3714	0	-0.2608	0.1105
78	9.31	9.02	6.9388	0	0.0261	6.9649	0.3759	0	-0.2704	0.1055
79	9.51	9.09	6.9381	0	0.027	6.9652	0.3872	0	-0.2639	0.1233
80	9.3	9.19	6.9377	0	0.0277	6.9654	0.4004	0	-0.2617	0.1387
81	9.11	9.3	6.9375	0	0.0289	6.9663	0.4174	0	-0.2603	0.1572
82	9.16	9.4	6.9369	0	0.0297	6.9667	0.4317	0	-0.2601	0.1716
83	9.2	9.46	6.9359	0	0.0294	6.9653	0.4358	0	-0.264	0.1717
84	9.23	9.5	6.935	0	0.0291	6.9641	0.4344	0	-0.2717	0.1627
85	9.25	9.52	6.9345	0	0.0288	6.9632	0.431	0	-0.2744	0.1566
86	9.06	9.58	6.9342	0	0.0286	6.9628	0.4378	0	-0.2813	0.1565
87	9.74	9.67	6.9337	0	0.0284	6.9621	0.4443	0	-0.2825	0.1618
88	9.66	9.73	6.9331	0	0.0291	6.9623	0.4464	0	-0.2886	0.1578
89	10.3	9.79	6.9333	0	0.0295	6.9627	0.4352	0	-0.2724	0.1628
90	10.6	9.83	6.9334	0	0.0293	6.9627	0.4401	0	-0.2702	0.1699
91	10.4	9.9	6.933	0	0.029	6.962	0.4421	0	-0.2719	0.1703
92	9.76	9.97	6.9319	0	0.0288	6.9607	0.4397	0	-0.2744	0.1652
93	9.4	10	6.9311	0	0.0289	6.96	0.4345	0	-0.272	0.1625
94	9.62	10.1	6.931	0	0.0291	6.9601	0.434	0	-0.2733	0.1607
95	10.3	10.1	6.931	0	0.029	6.96	0.4352	0	-0.2832	0.152
96	10.8	10.2	6.9309	0	0.0286	6.9595	0.4384	0	-0.3097	0.1287
97	10.5	10.2	6.9305	0	0.0295	6.9599	0.4375	0	-0.3324	0.1051
98	10.5	10.2	6.9303	0	0.0297	6.9599	0.4459	0	-0.3358	0.1101
99	10.2	10.2	6.93	0	0.0314	6.9613	0.453	0	-0.3135	0.1395
100	10.3	10.1	6.9294	0	0.0309	6.9603	0.455	0	-0.3216	0.1333
101	10.6	10.1	6.9292	0	0.0303	6.9595	0.4547	0	-0.3329	0.1218
102	10.5	10.1	6.9288	0	0.0303	6.9591	0.4535	0	-0.3384	0.1151

103	10.4	10.2	6.9284	0	0.0303	6.9587	0.453	0	-0.3395	0.1135
104	9.91	10.2	6.928	0	0.0314	6.9594	0.4519	0	-0.345	0.1069
105	9.83	10.2	6.9275	0	0.0316	6.9591	0.4453	0	-0.341	0.1043
106	10	10.1	6.9273	0	0.0311	6.9584	0.4425	0	-0.3309	0.1116
107	10	10	6.9273	0	0.0309	6.9582	0.4476	0	-0.33	0.1175
108	9.85	10	6.9275	0	0.0307	6.9581	0.4508	0	-0.3209	0.1299
109	9.88	10.1	6.9276	0	0.0304	6.958	0.4459	0	-0.3043	0.1417
110	10.2	10.1	6.9278	0	0.0307	6.9586	0.4403	0	-0.3098	0.1306
111	9.75	10	6.9281	0	0.0311	6.9592	0.4331	0	-0.3135	0.1195
112	9.9	9.98	6.9281	0	0.0322	6.9603	0.4316	0	-0.3093	0.1223
113	9.94	9.95	6.9281	0	0.0334	6.9615	0.4336	0	-0.3134	0.1201
114	9.81	9.96	6.9278	0	0.0342	6.9619	0.4382	0	-0.3165	0.1217
115	9.51	9.99	6.9271	0	0.0348	6.9619	0.4363	0	-0.2863	0.15
116	9.84	10	6.9268	0	0.0343	6.9611	0.4346	0	-0.2762	0.1583
117	10.3	10.1	6.9268	0	0.0344	6.9612	0.4326	0	-0.2966	0.1361
118	10.5	10.1	6.9266	0	0.0348	6.9614	0.4287	0	-0.2907	0.1379
119	10.4	10.1	6.9258	0	0.035	6.9608	0.4267	0	-0.2856	0.1411
120	9.96	10.2	6.9248	0	0.0354	6.9602	0.43	0	-0.2934	0.1366
121	9.58	10.2	6.9237	0	0.0353	6.959	0.4277	0	-0.274	0.1536
122	9.75	10.3	6.9225	0	0.0355	6.9581	0.4296	0	-0.2752	0.1544
123	10.2	10.3	6.922	0	0.0358	6.9578	0.431	0	-0.2774	0.1536
124	10.4	10.3	6.9206	0	0.0356	6.9562	0.4448	0	-0.2931	0.1517
125	10.5	10.4	6.9195	0	0.0364	6.9559	0.4514	0	-0.2846	0.1668
126	10.7	10.4	6.9185	0	0.0368	6.9553	0.4569	0	-0.2845	0.1724
127	10.9	10.4	6.9179	0	0.0374	6.9553	0.463	0	-0.2777	0.1853
128	10.6	10.4	6.9169	0	0.0371	6.954	0.4693	0	-0.2689	0.2004
129	10.7	10.4	6.9159	0	0.0366	6.9525	0.4757	0	-0.2571	0.2186
130	10.8	10.5	6.9143	0	0.0365	6.9507	0.4782	0	-0.24	0.2381
131	10.5	10.5	6.9129	0	0.0366	6.9495	0.4852	0	-0.2191	0.2662
132	10.4	10.5	6.9127	0	0.0373	6.95	0.4922	0	-0.2124	0.2798
133	10.6	10.5	6.9125	0	0.0384	6.9509	0.5001	0	-0.186	0.3141
134	10.6	10.6	6.912	0	0.0384	6.9505	0.498	0	-0.1769	0.3212
135	10.6	10.6	6.9109	0	0.0389	6.9499	0.4966	0	-0.1803	0.3163
136	10.8	10.6	6.9102	0	0.0396	6.9499	0.5028	0	-0.1892	0.3136
137	10.5	10.6	6.9097	0	0.0402	6.9498	0.505	0	-0.1845	0.3205
138	10.3	10.6	6.909	0	0.0396	6.9487	0.5048	0	-0.182	0.3228
139	10.3	10.6	6.9081	0	0.0392	6.9472	0.5039	0	-0.1747	0.3292

140	10.3	10.6	6.9073	0	0.0394	6.9467	0.506	0	-0.1691	0.337
141	10.4	10.6	6.907	0	0.0395	6.9465	0.508	0	-0.1722	0.3359
142	10.4	10.7	6.9068	0	0.0391	6.9459	0.5045	0	-0.1884	0.3161
143	10.6	10.7	6.9065	0	0.0396	6.946	0.4918	0	-0.1923	0.2995
144	11.2	10.7	6.9062	0	0.0408	6.947	0.4836	0	-0.1893	0.2943
145	11	10.7	6.9057	0	0.0427	6.9484	0.4868	0	-0.1811	0.3057
146	10.1	10.7	6.9057	0	0.0438	6.9495	0.4922	0	-0.1846	0.3077
147	10.6	10.7	6.9051	0	0.0438	6.9489	0.49	0	-0.1934	0.2966
148	11.5	10.7	6.9046	0	0.0421	6.9467	0.4919	0	-0.2065	0.2854
149	11	10.8	6.9042	0	0.0428	6.947	0.4932	0	-0.2034	0.2898
150	10.9	10.8	6.9042	0	0.0439	6.9481	0.4918	0	-0.1825	0.3093
151	10.7	10.8	6.9042	0	0.0442	6.9484	0.4862	0	-0.1975	0.2887
152	10.4	10.8	6.904	0	0.0443	6.9483	0.4832	0	-0.2153	0.2679
153	10.8	10.8	6.904	0	0.0445	6.9486	0.4816	0	-0.2215	0.2601
154	11	10.8	6.9041	0	0.0444	6.9485	0.4844	0	-0.2283	0.2561
155	10.7	10.8	6.9037	0	0.0442	6.9478	0.4851	0	-0.2199	0.2652
156	10.8	10.8	6.9026	0	0.0449	6.9475	0.4872	0	-0.2279	0.2593
157	11.2	10.8	6.9018	0	0.0447	6.9465	0.4942	0	-0.2246	0.2696
158	11.2	10.8	6.9019	0	0.0441	6.946	0.5019	0	-0.2368	0.2652
159	10.6	10.8	6.9018	0	0.0464	6.9482	0.514	0	-0.2463	0.2677
160	10.4	10.8	6.902	0	0.0471	6.949	0.5268	0	-0.2565	0.2703
161	10.5	10.9	6.9019	0	0.0468	6.9488	0.5384	0	-0.263	0.2754
162	10.8	10.9	6.9016	0	0.0473	6.949	0.554	0	-0.275	0.279
163	10.8	10.9	6.9013	0	0.0479	6.9492	0.5665	0	-0.2708	0.2957
164	10.8	10.9	6.9011	0	0.0469	6.9479	0.577	0	-0.2603	0.3167
165	10.9	10.9	6.9009	0	0.0467	6.9476	0.5842	0	-0.2588	0.3254
166	11.1	11	6.9007	0	0.0486	6.9493	0.588	0	-0.2527	0.3353
167	11.4	10.9	6.9004	0	0.0495	6.9499	0.5941	0	-0.2509	0.3433
168	11	10.9	6.8997	0	0.0501	6.9498	0.6066	0	-0.2449	0.3617
169	10.7	10.9	6.8988	0	0.0514	6.9502	0.6162	0	-0.2399	0.3763
170	11.7	11	6.8987	0	0.0507	6.9494	0.6175	0	-0.2358	0.3817
171	10.9	11	6.8983	0	0.0512	6.9496	0.6219	0	-0.2323	0.3896
172	10.6	11.1	6.8979	0	0.0515	6.9494	0.6243	0	-0.235	0.3893
173	10.8	11.1	6.8964	0	0.0532	6.9496	0.6255	0	-0.2314	0.3941
174	11.4	11.2	6.8951	0	0.0528	6.948	0.6344	0	-0.2217	0.4127
175	11.4	11.2	6.8941	0	0.0525	6.9466	0.6342	0	-0.2228	0.4115
176	10.7	11.3	6.8932	0	0.0521	6.9453	0.6366	0	-0.2141	0.4225

177	10.7	11.3	6.8922	0	0.0518	6.9439	0.64	0	-0.2071	0.4329
178	11.3	11.4	6.8912	0	0.0518	6.9431	0.6454	0	-0.1987	0.4467
179	11.5	11.4	6.8903	0	0.0511	6.9414	0.6435	0	-0.1944	0.4491
180	11.3	11.4	6.8892	0	0.0496	6.9388	0.6381	0	-0.1962	0.4419
181	11.4	11.3	6.8882	0	0.0501	6.9384	0.6249	0	-0.201	0.4239
182	12.3	11.4	6.8869	0	0.0483	6.9352	0.6163	0	-0.2063	0.41
183	11.8	11.4	6.8861	0	0.0471	6.9332	0.6182	0	-0.2052	0.413
184	11.8	11.4	6.8853	0	0.0471	6.9324	0.6211	0	-0.1917	0.4294
185	11.9	11.3	6.8842	0	0.0477	6.9319	0.621	0	-0.1921	0.4288
186	11.9	11.3	6.8837	0	0.047	6.9308	0.6157	0	-0.1876	0.4282
187	11.8	11.3	6.8832	0	0.0466	6.9298	0.6159	0	-0.1749	0.441
188	11.3	11.2	6.8828	0	0.0466	6.9294	0.617	0	-0.1692	0.4478
189	10.8	11.2	6.8827	0	0.0464	6.929	0.6197	0	-0.1778	0.4419
190	10.8	11.1	6.8826	0	0.0466	6.9291	0.6195	0	-0.1824	0.4371
191	10.8	11.1	6.8825	0	0.0479	6.9304	0.6181	0	-0.1804	0.4377
192	10.8	11	6.8827	0	0.0481	6.9308	0.625	0	-0.1685	0.4565
193	11.6	10.9	6.8828	0	0.0478	6.9306	0.6294	0	-0.1521	0.4774
194	10.5	10.9	6.8823	0	0.0472	6.9296	0.6266	0	-0.1613	0.4652
195	10.5	10.8	6.8818	0	0.0475	6.9292	0.635	0	-0.1558	0.4792
196	10.4	10.7	6.8819	0	0.048	6.9298	0.6376	0	-0.1453	0.4923
197	10.3	10.7	6.8813	0	0.0501	6.9314	0.6413	0	-0.1376	0.5037
198	10.5	10.6	6.8809	0	0.05	6.9309	0.6383	0	-0.1339	0.5044
199	10.5	10.6	6.8808	0	0.0496	6.9304	0.6354	0	-0.1415	0.4939
200	10.3	10.7	6.8808	0	0.0507	6.9315	0.6357	0	-0.1288	0.5069
201	10.3	10.7	6.8809	0	0.0518	6.9327	0.6451	0	-0.1188	0.5264
202	10.6	10.7	6.8806	0	0.0524	6.9331	0.6537	0	-0.1166	0.5371
203	10.5	10.7	6.88	0	0.0531	6.9331	0.6549	0	-0.1024	0.5525
204	10.7	10.8	6.8795	0	0.0534	6.9329	0.6512	0	-0.0786	0.5726
205	10.7	10.8	6.8788	0	0.0544	6.9332	0.6436	0	-0.0847	0.5589
206	10.9	10.9	6.8779	0	0.0535	6.9314	0.6397	0	-0.1002	0.5395
207	10.1	11	6.8771	0	0.0545	6.9317	0.6273	0	-0.1072	0.5201
208	11.2	11.1	6.8761	0	0.0553	6.9314	0.6182	0	-0.1086	0.5096
209	11.3	11.2	6.875	0	0.056	6.931	0.623	0	-0.118	0.5051
210	11.3	11.3	6.874	0	0.057	6.931	0.6267	0	-0.1007	0.526
211	11.3	11.4	6.8727	0	0.0587	6.9314	0.6328	0	-0.0971	0.5357
212	11.5	11.5	6.8715	0	0.0592	6.9307	0.644	0	-0.1029	0.5411
213	11.7	11.6	6.8704	0	0.0595	6.9299	0.6504	0	-0.1102	0.5403

214	11.7	11.7	6.8694	0	0.06	6.9294	0.653	0	-0.1156	0.5374
215	11.8	11.7	6.8683	0	0.0601	6.9284	0.6586	0	-0.1317	0.5269
216	12.4	11.8	6.8674	0	0.0594	6.9267	0.6632	0	-0.1424	0.5208
217	12.1	11.9	6.8661	0	0.0589	6.925	0.6694	0	-0.1244	0.545
218	11.7	11.9	6.865	0	0.0588	6.9237	0.6796	0	-0.1117	0.5678
219	12.1	12	6.864	0	0.0586	6.9226	0.6809	0	-0.1244	0.5565
220	12.1	12.1	6.8626	0	0.0586	6.9212	0.6826	0	-0.1115	0.5711
221	13.2	12.2	6.8613	0	0.0588	6.9201	0.7022	0	-0.1242	0.578
222	12.7	12.2	6.86	0	0.0587	6.9187	0.7116	0	-0.1196	0.5921
223	12.1	12.2	6.8586	0	0.058	6.9165	0.7226	0	-0.125	0.5976
224	11.8	12.3	6.8572	0	0.0579	6.9151	0.7219	0	-0.1152	0.6067
225	11.9	12.3	6.8559	0	0.0578	6.9137	0.7202	0	-0.12	0.6002
226	12.1	12.3	6.8545	0	0.0575	6.912	0.7194	0	-0.121	0.5984
227	12	12.3	6.8533	0	0.0573	6.9106	0.7146	0	-0.1182	0.5964
228	12.2	12.3	6.8526	0	0.0565	6.9091	0.7043	0	-0.1162	0.588
229	13.2	12.3	6.8521	0	0.0562	6.9083	0.6956	0	-0.1201	0.5754
230	13	12.3	6.8518	0	0.0565	6.9083	0.6934	0	-0.1388	0.5546
231	11.8	12.3	6.8513	0	0.0572	6.9085	0.6926	0	-0.156	0.5366
232	12.4	12.2	6.8508	0	0.0578	6.9087	0.6952	0	-0.1444	0.5508
233	12.3	12.2	6.8504	0	0.0576	6.908	0.6921	0	-0.1724	0.5198
234	12.4	12.3	6.8499	0	0.0576	6.9076	0.6884	0	-0.1841	0.5043
235	12.3	12.3	6.8493	0	0.0577	6.907	0.6896	0	-0.1827	0.5069
236	12	12.3	6.8486	0	0.0571	6.9058	0.6926	0	-0.1782	0.5144
237	12	12.3	6.848	0	0.0571	6.905	0.6998	0	-0.1876	0.5122
238	12.2	12.4	6.8471	0	0.0574	6.9045	0.7037	0	-0.1931	0.5106
239	12.3	12.3	6.8461	0	0.0574	6.9035	0.7068	0	-0.1906	0.5163
240	12.1	12.3	6.8455	0	0.0575	6.9029	0.7106	0	-0.1911	0.5194
241	12.2	12.4	6.8445	0	0.0563	6.9008	0.716	0	-0.1933	0.5227
242	12	12.4	6.8439	0	0.0543	6.8982	0.718	0	-0.1904	0.5277
243	12.5	12.3	6.8438	0	0.0557	6.8995	0.7271	0	-0.1763	0.5508
244	12	12.3	6.8427	0	0.0563	6.899	0.7363	0	-0.1708	0.5655
245	12.1	12.3	6.8419	0	0.0572	6.8992	0.7322	0	-0.1698	0.5624
246	12.9	12.3	6.8416	0	0.0576	6.8991	0.7298	0	-0.1747	0.5551
247	13.2	12.3	6.8412	0	0.0572	6.8984	0.735	0	-0.1709	0.5641
248	12.7	12.3	6.841	0	0.0563	6.8973	0.7348	0	-0.1505	0.5843
249	13	12.2	6.8406	0	0.0556	6.8963	0.7374	0	-0.1463	0.5911
250	12.7	12.2	6.8397	0	0.0558	6.8955	0.7393	0	-0.1481	0.5912

251	11.8	12.1	6.8388	0	0.0558	6.8947	0.7393	0	-0.1503	0.589
252	11.7	12.1	6.8386	0	0.0545	6.893	0.7404	0	-0.1496	0.5908
253	11.9	12.1	6.8389	0	0.0524	6.8913	0.7418	0	-0.1362	0.6056
254	11.9	12.1	6.8397	0	0.0529	6.8926	0.7368	0	-0.1281	0.6087
255	12.2	12	6.8397	0	0.0542	6.8939	0.7327	0	-0.1396	0.5932
256	11.9	11.9	6.8399	0	0.0556	6.8955	0.7279	0	-0.1263	0.6015
257	11.9	11.8	6.84	0	0.0555	6.8955	0.7222	0	-0.1423	0.5799
258	11.3	11.7	6.8396	0	0.0559	6.8955	0.7213	0	-0.1402	0.5811
259	11.2	11.6	6.8391	0	0.0564	6.8956	0.7151	0	-0.1357	0.5795
260	11.9	11.6	6.8387	0	0.0568	6.8955	0.7078	0	-0.1276	0.5802
261	12.2	11.6	6.8375	0	0.0571	6.8947	0.7028	0	-0.1236	0.5792
262	11.9	11.6	6.8366	0	0.0584	6.895	0.6961	0	-0.1178	0.5783
263	11.3	11.6	6.836	0	0.0595	6.8955	0.6921	0	-0.1189	0.5732
264	11	11.6	6.8352	0	0.06	6.8952	0.6914	0	-0.1237	0.5677
265	11.1	11.6	6.8346	0	0.0609	6.8955	0.6877	0	-0.1151	0.5726
266	11.1	11.7	6.8338	0	0.061	6.8948	0.6883	0	-0.1122	0.5761
267	10.9	11.7	6.8324	0	0.0607	6.8931	0.6796	0	-0.1181	0.5615
268	11.5	11.8	6.8316	0	0.0625	6.8941	0.6712	0	-0.1194	0.5518
269	11.1	11.9	6.8305	0	0.0626	6.8931	0.6721	0	-0.1301	0.542
270	12.1	12	6.8285	0	0.0631	6.8916	0.6759	0	-0.1309	0.545
271	12.2	12.1	6.8272	0	0.0632	6.8904	0.6663	0	-0.1361	0.5302
272	12	12.1	6.8256	0	0.064	6.8897	0.6514	0	-0.1306	0.5207
273	12.1	12.2	6.8242	0	0.0647	6.8889	0.6409	0	-0.1297	0.5112
274	12.5	12.3	6.8231	0	0.0648	6.888	0.6355	0	-0.1371	0.4984
275	12.6	12.4	6.8222	0	0.0646	6.8868	0.6311	0	-0.1321	0.499
276	12.6	12.5	6.8217	0	0.0639	6.8856	0.6261	0	-0.1253	0.5008
277	13	12.7	6.8217	0	0.0634	6.8851	0.6233	0	-0.1286	0.4947
278	13.1	12.8	6.8217	0	0.0639	6.8855	0.6245	0	-0.1383	0.4862
279	13.2	12.9	6.821	0	0.0649	6.8859	0.6278	0	-0.147	0.4808
280	13.7	12.9	6.8199	0	0.0652	6.8851	0.6457	0	-0.1515	0.4943
281	13.1	12.9	6.8187	0	0.0646	6.8833	0.6607	0	-0.1646	0.496
282	13.3	13	6.8177	0	0.0656	6.8833	0.666	0	-0.1528	0.5132
283	13.1	13	6.8173	0	0.0655	6.8828	0.6734	0	-0.1361	0.5373
284	12.7	13	6.8163	0	0.0654	6.8817	0.6741	0	-0.1385	0.5356
285	13.2	13.1	6.8149	0	0.0655	6.8804	0.6749	0	-0.1384	0.5365
286	13.9	13	6.8138	0	0.0658	6.8796	0.6725	0	-0.1328	0.5397
287	13.7	13	6.8129	0	0.0659	6.8788	0.6669	0	-0.1271	0.5398

288	12.7	13	6.8121	0	0.0657	6.8777	0.6643	0	-0.1158	0.5485
289	12.3	13	6.8116	0	0.0655	6.8771	0.6614	0	-0.1078	0.5536
290	12.3	12.9	6.811	0	0.0659	6.8769	0.659	0	-0.0917	0.5673
291	13.4	12.9	6.8107	0	0.0669	6.8776	0.6588	0	-0.0853	0.5735
292	13.3	12.8	6.81	0	0.0657	6.8757	0.6565	0	-0.1211	0.5354
293	12.7	12.7	6.8092	0	0.0649	6.874	0.6568	0	-0.1438	0.513
294	13	12.7	6.8091	0	0.0642	6.8733	0.66	0	-0.1382	0.5217
295	12.3	12.7	6.8088	0	0.0649	6.8737	0.6547	0	-0.1392	0.5154
296	12.7	12.6	6.8084	0	0.0651	6.8734	0.6524	0	-0.1459	0.5065
297	12.9	12.5	6.8078	0	0.0652	6.873	0.6548	0	-0.151	0.5038
298	12.5	12.4	6.8072	0	0.0646	6.8718	0.6545	0	-0.1569	0.4976
299	12.3	12.4	6.8069	0	0.0644	6.8713	0.6553	0	-0.1684	0.4869
300	12.3	12.4	6.8069	0	0.0657	6.8726	0.6624	0	-0.172	0.4904
301	12	12.3	6.8069	0	0.0668	6.8736	0.6633	0	-0.1779	0.4854
302	11.8	12.2	6.8065	0	0.066	6.8725	0.6724	0	-0.1907	0.4817
303	12.3	12.2	6.8063	0	0.0659	6.8722	0.6789	0	-0.2097	0.4692
304	12.5	12.1	6.8062	0	0.0674	6.8736	0.6875	0	-0.2337	0.4538
305	12.5	12.1	6.806	0	0.067	6.8731	0.7039	0	-0.2417	0.4622
306	11.7	12	6.8057	0	0.0678	6.8734	0.7166	0	-0.2335	0.4831
307	11.4	12	6.805	0	0.0686	6.8736	0.723	0	-0.2525	0.4705
308	11.5	12	6.8045	0	0.0689	6.8734	0.7223	0	-0.2739	0.4484
309	11.6	12	6.8042	0	0.0688	6.873	0.7183	0	-0.2598	0.4585
310	12	12	6.8037	0	0.0694	6.8731	0.7226	0	-0.2453	0.4773
311	12.3	12	6.8031	0	0.0704	6.8735	0.7328	0	-0.2448	0.488
312	11.8	12	6.8022	0	0.0711	6.8734	0.7324	0	-0.2372	0.4953
313	11.6	12	6.8013	0	0.0718	6.8731	0.7399	0	-0.2191	0.5208
314	11.8	12.1	6.8006	0	0.0716	6.8721	0.7486	0	-0.2052	0.5434
315	11.9	12.1	6.7995	0	0.0713	6.8708	0.7471	0	-0.2087	0.5384
316	12	12.1	6.7994	0	0.0712	6.8706	0.746	0	-0.2057	0.5403
317	12.2	12.2	6.799	0	0.0708	6.8699	0.7415	0	-0.1985	0.543
318	12.5	12.3	6.7977	0	0.0718	6.8695	0.7315	0	-0.1865	0.545
319	12.5	12.3	6.7964	0	0.0717	6.8681	0.737	0	-0.1742	0.5628
320	12.5	12.4	6.796	0	0.0722	6.8682	0.74	0	-0.1766	0.5633
321	12.2	12.5	6.7961	0	0.0719	6.868	0.7297	0	-0.162	0.5677
322	12.3	12.6	6.7959	0	0.0717	6.8675	0.7253	0	-0.1591	0.5662
323	12.8	12.7	6.795	0	0.0717	6.8667	0.712	0	-0.1432	0.5688
324	12.9	12.7	6.7941	0	0.0711	6.8652	0.7023	0	-0.1146	0.5877

325	12.7	12.8	6.7933	0	0.0703	6.8636	0.7046	0	-0.105	0.5995
326	12.7	12.8	6.7922	0	0.0704	6.8626	0.7046	0	-0.1198	0.5848
327	13.3	12.9	6.7909	0	0.0711	6.862	0.7089	0	-0.1205	0.5885
328	12.5	12.9	6.7898	0	0.0712	6.861	0.7119	0	-0.1284	0.5835
329	13.8	12.9	6.7875	0	0.0714	6.8589	0.708	0	-0.128	0.58
330	13.9	12.9	6.7857	0	0.073	6.8587	0.7009	0	-0.1294	0.5716
331	12.9	13	6.7847	0	0.0725	6.8572	0.6949	0	-0.138	0.5569
332	13.4	13	6.7835	0	0.0714	6.855	0.6947	0	-0.1479	0.5468
333	13.1	13	6.783	0	0.0714	6.8544	0.7023	0	-0.1414	0.5609
334	12.5	13.1	6.7824	0	0.0715	6.8539	0.7168	0	-0.1499	0.5669
335	13	13.1	6.7821	0	0.071	6.8531	0.7214	0	-0.1554	0.566
336	13.5	13.1	6.782	0	0.0698	6.8518	0.715	0	-0.1639	0.5511
337	13	13.1	6.7815	0	0.0687	6.8502	0.7076	0	-0.1672	0.5404
338	12.7	13.1	6.7809	0	0.0682	6.8491	0.6985	0	-0.1687	0.5298
339	12.3	13.1	6.7802	0	0.0666	6.8468	0.7022	0	-0.1898	0.5124
340	13.3	13	6.7796	0	0.066	6.8456	0.7039	0	-0.1919	0.512
341	13	12.9	6.7788	0	0.0684	6.8473	0.703	0	-0.1863	0.5166
342	12.9	12.8	6.7782	0	0.0687	6.8469	0.7075	0	-0.1767	0.5308
343	13.7	12.8	6.7778	0	0.0695	6.8473	0.7019	0	-0.1924	0.5095
344	13.5	12.8	6.7772	0	0.0703	6.8475	0.6892	0	-0.2093	0.4799
345	13.1	12.8	6.7767	0	0.0718	6.8485	0.6834	0	-0.2175	0.4659
346	13.1	12.7	6.7761	0	0.0726	6.8487	0.6798	0	-0.2227	0.4571
347	12.9	12.7	6.7758	0	0.0729	6.8487	0.6824	0	-0.2528	0.4297
348	12.5	12.7	6.7755	0	0.0731	6.8486	0.6867	0	-0.2195	0.4672
349	12.1	12.7	6.7744	0	0.0728	6.8472	0.6859	0	-0.2364	0.4494
350	11.7	12.7	6.7734	0	0.0736	6.8469	0.6925	0	-0.2367	0.4558
351	11.9	12.7	6.7716	0	0.0749	6.8465	0.7028	0	-0.2314	0.4714
352	12.7	12.7	6.7707	0	0.0755	6.8461	0.7161	0	-0.2389	0.4772
353	12.4	12.7	6.7702	0	0.0758	6.8459	0.7294	0	-0.2518	0.4776
354	12.1	12.7	6.7693	0	0.0771	6.8464	0.74	0	-0.2465	0.4935
355	12.3	12.6	6.7681	0	0.0775	6.8456	0.7447	0	-0.2253	0.5195
356	12.5	12.6	6.7676	0	0.0808	6.8484	0.7486	0	-0.2296	0.519
357	12.6	12.6	6.7678	0	0.0829	6.8507	0.7546	0	-0.2225	0.5321
358	12.7	12.7	6.7678	0	0.0819	6.8497	0.7626	0	-0.2097	0.5529
359	13	12.8	6.7669	0	0.081	6.8478	0.7753	0	-0.1954	0.5798
360	13.2	12.9	6.7654	0	0.0813	6.8467	0.7819	0	-0.1694	0.6125
361	13.4	12.9	6.7643	0	0.0808	6.8451	0.7895	0	-0.1692	0.6203

362	13.4	13	6.7626	0	0.0803	6.8429	0.8052	0	-0.1617	0.6435
363	13.2	13.1	6.7611	0	0.08	6.8411	0.8076	0	-0.1538	0.6539
364	12.5	13.2	6.7605	0	0.0809	6.8414	0.8071	0	-0.1441	0.6629
365	12.4	13.2	6.76	0	0.0815	6.8415	0.8065	0	-0.1534	0.6531
366	12.9	13.3	6.7596	0	0.0809	6.8405	0.8065	0	-0.1546	0.6519
367	14	13.3	6.7592	0	0.0793	6.8386	0.8131	0	-0.1466	0.6664
368	13.8	13.3	6.7579	0	0.0799	6.8379	0.8172	0	-0.1436	0.6736
369	13.4	13.3	6.7565	0	0.0803	6.8368	0.8136	0	-0.1319	0.6816
370	13.4	13.3	6.7555	0	0.0793	6.8348	0.8085	0	-0.133	0.6755
371	13.2	13.3	6.7546	0	0.0791	6.8338	0.8105	0	-0.1232	0.6873
372	14	13.3	6.7544	0	0.0784	6.8328	0.8175	0	-0.1162	0.7013
373	14	13.2	6.754	0	0.0762	6.8302	0.82	0	-0.1176	0.7024
374	13.6	13.2	6.7527	0	0.0754	6.828	0.8175	0	-0.1075	0.71
375	13.6	13.2	6.7517	0	0.0766	6.8283	0.812	0	-0.1151	0.697
376	12.6	13.2	6.7508	0	0.076	6.8268	0.8046	0	-0.1198	0.6848
377	12.9	13.2	6.7505	0	0.0762	6.8268	0.7912	0	-0.1039	0.6873
378	13.8	13.1	6.7509	0	0.0767	6.8275	0.786	0	-0.0924	0.6937
379	13.4	13	6.7509	0	0.0779	6.8287	0.7845	0	-0.0842	0.7004
380	12.8	12.9	6.7504	0	0.079	6.8294	0.7695	0	-0.0791	0.6904
381	12.8	12.8	6.7493	0	0.0794	6.8286	0.7565	0	-0.0608	0.6957
382	12.6	12.7	6.7475	0	0.0797	6.8272	0.7454	0	-0.0651	0.6803
383	12.3	12.7	6.7456	0	0.0805	6.8261	0.7325	0	-0.0804	0.6521
384	12.5	12.6	6.7442	0	0.0809	6.8251	0.7338	0	-0.0865	0.6473
385	12.9	12.6	6.7434	0	0.0819	6.8253	0.7357	0	-0.0859	0.6498
386	12.9	12.6	6.743	0	0.0825	6.8255	0.7384	0	-0.1078	0.6306
387	11.6	12.6	6.743	0	0.0828	6.8258	0.7405	0	-0.1046	0.6359
388	11.6	12.6	6.7419	0	0.0847	6.8265	0.7381	0	-0.1117	0.6264
389	11.7	12.6	6.7412	0	0.0847	6.8259	0.7364	0	-0.1251	0.6113
390	12	12.6	6.7407	0	0.0845	6.8252	0.7323	0	-0.1578	0.5745
391	12.3	12.7	6.74	0	0.0846	6.8246	0.7332	0	-0.1748	0.5584
392	12.4	12.7	6.7398	0	0.0849	6.8248	0.7339	0	-0.1547	0.5792
393	12.7	12.8	6.7402	0	0.0858	6.826	0.7349	0	-0.1574	0.5775
394	12.7	12.8	6.7408	0	0.086	6.8267	0.7385	0	-0.1565	0.582
395	12.7	12.8	6.7408	0	0.0872	6.828	0.7431	0	-0.1546	0.5885
396	13.5	12.9	6.7401	0	0.0903	6.8305	0.7507	0	-0.1407	0.6101
397	14.1	12.9	6.7391	0	0.0871	6.8262	0.7549	0	-0.1327	0.6222
398	13.1	13.1	6.7386	0	0.0883	6.8269	0.7634	0	-0.1523	0.6111

399	13.2	13.2	6.7376	0	0.0881	6.8257	0.7773	0	-0.1619	0.6154
400	13.6	13.3	6.7366	0	0.0888	6.8254	0.7769	0	-0.17	0.6069
401	13.8	13.4	6.7353	0	0.0906	6.8259	0.776	0	-0.1585	0.6175
402	13.6	13.5	6.7335	0	0.0912	6.8247	0.7708	0	-0.1497	0.621
403	13.1	13.5	6.7323	0	0.0906	6.8229	0.7683	0	-0.1524	0.616
404	13.3	13.6	6.7317	0	0.0899	6.8216	0.7734	0	-0.153	0.6204
405	13.4	13.6	6.7312	0	0.09	6.8212	0.7726	0	-0.1428	0.6298
406	13.2	13.6	6.7302	0	0.09	6.8202	0.7659	0	-0.1426	0.6233
407	13.6	13.6	6.7288	0	0.0895	6.8183	0.7723	0	-0.1127	0.6596
408	14.3	13.7	6.727	0	0.0884	6.8154	0.7869	0	-0.092	0.6949
409	14	13.7	6.726	0	0.0857	6.8117	0.8015	0	-0.1008	0.7008
410	13.8	13.6	6.7248	0	0.0863	6.8111	0.8083	0	-0.0992	0.709
411	14.6	13.6	6.7226	0	0.0866	6.8092	0.8051	0	-0.0934	0.7117
412	13.8	13.6	6.7215	0	0.0865	6.808	0.8032	0	-0.0858	0.7173
413	13	13.6	6.7206	0	0.0862	6.8068	0.8014	0	-0.0827	0.7187
414	13.8	13.6	6.7199	0	0.0869	6.8068	0.7976	0	-0.0726	0.7249
415	13.8	13.6	6.7188	0	0.0868	6.8056	0.8027	0	-0.0615	0.7412
416	13.9	13.7	6.7181	0	0.0859	6.804	0.8073	0	-0.0606	0.7468
417	13.7	13.7	6.7173	0	0.0852	6.8025	0.8113	0	-0.0768	0.7345
418	13.3	13.6	6.7164	0	0.085	6.8014	0.8147	0	-0.1026	0.7121
419	13.2	13.6	6.7156	0	0.085	6.8006	0.8019	0	-0.093	0.7089
420	13.2	13.5	6.7149	0	0.0845	6.7994	0.7859	0	-0.0997	0.6862
421	13.5	13.4	6.7144	0	0.0835	6.7979	0.7805	0	-0.1029	0.6776
422	13.8	13.3	6.7139	0	0.0834	6.7973	0.7855	0	-0.1114	0.6741
423	13.3	13.3	6.7133	0	0.0824	6.7957	0.7922	0	-0.1228	0.6693
424	13.2	13.3	6.7129	0	0.0826	6.7955	0.7999	0	-0.153	0.6469
425	13.7	13.2	6.7128	0	0.0823	6.7951	0.7917	0	-0.1628	0.6289
426	13.5	13.1	6.7131	0	0.0808	6.7938	0.7852	0	-0.1631	0.622
427	13.5	13	6.7123	0	0.0803	6.7926	0.7791	0	-0.1788	0.6003
428	13.5	12.9	6.7113	0	0.0796	6.791	0.7806	0	-0.176	0.6045
429	13	12.9	6.7105	0	0.0793	6.7898	0.7914	0	-0.1694	0.622
430	12.3	12.9	6.71	0	0.0791	6.7891	0.8038	0	-0.1563	0.6476
431	12.1	12.9	6.7102	0	0.079	6.7892	0.8103	0	-0.1389	0.6714
432	12.4	12.9	6.7103	0	0.0795	6.7897	0.8104	0	-0.1205	0.69
433	12.9	12.9	6.7096	0	0.0801	6.7897	0.8017	0	-0.1266	0.6751
434	12.3	12.8	6.7089	0	0.0801	6.789	0.7933	0	-0.1078	0.6854
435	12.4	12.8	6.7083	0	0.0818	6.79	0.7843	0	-0.1035	0.6808

436	11.9	12.8	6.7079	0	0.0803	6.7882	0.7835	0	-0.094	0.6895
437	12.3	12.7	6.7077	0	0.0798	6.7876	0.79	0	-0.0858	0.7042
438	12.4	12.7	6.7073	0	0.0807	6.788	0.7964	0	-0.0772	0.7192
439	13.2	12.7	6.707	0	0.0824	6.7894	0.7876	0	-0.0534	0.7342
440	13.3	12.9	6.7063	0	0.0835	6.7897	0.7789	0	-0.0421	0.7368
441	13.2	12.9	6.7055	0	0.0839	6.7894	0.7711	0	-0.0314	0.7397
442	13.1	13	6.7047	0	0.0844	6.7891	0.7699	0	-0.0278	0.7422
443	12.9	13.1	6.7039	0	0.0852	6.7891	0.771	0	-0.0141	0.7569
444	13	13.2	6.7029	0	0.0857	6.7886	0.7754	0	-0.0227	0.7526
445	13.1	13.3	6.7016	0	0.0859	6.7875	0.7907	0	-0.0267	0.764
446	12.8	13.4	6.7006	0	0.0859	6.7865	0.7958	0	-0.0308	0.765
447	13.1	13.5	6.6994	0	0.0881	6.7876	0.8003	0	0.0054	0.8058
448	13.5	13.6	6.6978	0	0.0893	6.7871	0.7968	0	-0.0335	0.7634
449	14.4	13.6	6.6967	0	0.0898	6.7866	0.7958	0	-0.0187	0.7771
450	13.7	13.7	6.6958	0	0.0894	6.7852	0.7937	0	-0.0234	0.7703
451	13.4	13.7	6.6945	0	0.0899	6.7844	0.7915	0	-0.0248	0.7667
452	14	13.7	6.6938	0	0.0907	6.7845	0.784	0	-0.0149	0.7692
453	14.2	13.8	6.6928	0	0.0911	6.7839	0.7722	0	-0.0106	0.7616
454	14.2	13.8	6.6921	0	0.0913	6.7834	0.7653	0	-0.0104	0.7549
455	14.4	13.8	6.6915	0	0.0918	6.7833	0.7667	0	-0.0178	0.7489
456	14.5	13.8	6.6904	0	0.0921	6.7825	0.7764	0	-0.0189	0.7575
457	14.4	13.9	6.6891	0	0.0921	6.7812	0.7797	0	-0.048	0.7317
458	13.9	13.9	6.6876	0	0.092	6.7796	0.7717	0	-0.0386	0.7332
459	14.2	13.9	6.6861	0	0.0909	6.7769	0.764	0	-0.0503	0.7137
460	13.2	13.9	6.6849	0	0.0906	6.7755	0.7696	0	-0.0995	0.6701
461	13.6	13.9	6.684	0	0.0894	6.7734	0.7703	0	-0.0921	0.6782
462	13.7	13.9	6.6825	0	0.0885	6.771	0.7594	0	-0.0896	0.6698
463	13.6	13.8	6.6814	0	0.0873	6.7686	0.7612	0	-0.094	0.6672
464	13.1	13.7	6.6802	0	0.087	6.7672	0.7632	0	-0.0899	0.6733
465	13.2	13.7	6.6793	0	0.0875	6.7668	0.765	0	-0.0688	0.6962
466	13.9	13.6	6.6785	0	0.0886	6.767	0.7628	0	-0.0605	0.7023
467	14.2	13.6	6.6778	0	0.0896	6.7674	0.7588	0	-0.0795	0.6793
468	14	13.6	6.6778	0	0.0892	6.767	0.762	0	-0.0818	0.6802
469	14	13.6	6.678	0	0.0902	6.7682	0.7519	0	-0.0957	0.6562
470	13.9	13.6	6.6775	0	0.0896	6.7671	0.7491	0	-0.0846	0.6645
471	13.5	13.6	6.6761	0	0.0903	6.7663	0.7511	0	-0.0845	0.6666
472	13	13.7	6.6752	0	0.0906	6.7659	0.7472	0	-0.0784	0.6687

473	12.8	13.7	6.674	0	0.0915	6.7655	0.7389	0	-0.0771	0.6617
474	13	13.7	6.6735	0	0.0916	6.7651	0.7275	0	-0.0867	0.6408
475	13.9	13.8	6.6732	0	0.0929	6.7661	0.7183	0	-0.0767	0.6417
476	14.3	13.8	6.6729	0	0.0939	6.7667	0.7141	0	-0.0809	0.6332
477	14.1	13.9	6.6725	0	0.0938	6.7663	0.7173	0	-0.1151	0.6022
478	13.6	13.9	6.6717	0	0.0936	6.7653	0.7127	0	-0.1321	0.5806
479	13.2	13.8	6.6705	0	0.0935	6.764	0.7098	0	-0.1486	0.5612
480	14.1	13.8	6.6694	0	0.0929	6.7623	0.7174	0	-0.1712	0.5462
481	14.1	13.9	6.6682	0	0.0914	6.7596	0.7244	0	-0.2016	0.5228
482	13.5	13.9	6.6673	0	0.0924	6.7597	0.7308	0	-0.2217	0.5091
483	13.7	14	6.6663	0	0.0913	6.7575	0.7377	0	-0.2216	0.5161
484	15	14	6.6658	0	0.0913	6.7571	0.7422	0	-0.2196	0.5226
485	14.9	13.9	6.6651	0	0.0913	6.7564	0.7455	0	-0.2327	0.5128
486	14.7	13.9	6.664	0	0.0911	6.7551	0.7466	0	-0.2214	0.5252
487	13.9	13.8	6.6634	0	0.0905	6.7539	0.7482	0	-0.2376	0.5105
488	13.4	13.8	6.6631	0	0.09	6.7531	0.7523	0	-0.2451	0.5073
489	13.8	13.8	6.6633	0	0.0889	6.7522	0.7573	0	-0.2281	0.5292
490	14.3	13.8	6.6636	0	0.0877	6.7512	0.7638	0	-0.207	0.5568
491	14.1	13.8	6.663	0	0.0873	6.7503	0.7571	0	-0.1995	0.5576
492	13.8	13.7	6.6627	0	0.0863	6.7491	0.7555	0	-0.1988	0.5566
493	12.6	13.7	6.6627	0	0.0881	6.7508	0.7509	0	-0.1947	0.5563
494	13.1	13.7	6.6617	0	0.0886	6.7503	0.7459	0	-0.1897	0.5562
495	13.5	13.5	6.6612	0	0.0903	6.7515	0.7369	0	-0.1825	0.5544
496	13.5	13.5	6.6601	0	0.0898	6.7499	0.7249	0	-0.179	0.546
497	12.8	13.5	6.6594	0	0.0905	6.7499	0.7211	0	-0.184	0.5372
498	13.5	13.4	6.659	0	0.0902	6.7492	0.7215	0	-0.1636	0.5579
499	13.7	13.4	6.6582	0	0.0904	6.7487	0.7167	0	-0.1471	0.5696
500	13.4	13.3	6.6574	0	0.0913	6.7488	0.7158	0	-0.143	0.5728
501	13.3	13.3	6.6569	0	0.0921	6.749	0.7192	0	-0.1511	0.5682
502	13.4	13.3	6.6563	0	0.0923	6.7486	0.723	0	-0.1406	0.5824
503	13.7	13.3	6.6558	0	0.0916	6.7474	0.7277	0	-0.1362	0.5916
504	12.8	13.4	6.6551	0	0.0917	6.7468	0.7232	0	-0.1482	0.575
505	13.3	13.4	6.6535	0	0.0919	6.7454	0.7219	0	-0.1401	0.5818
506	13.6	13.4	6.6522	0	0.0948	6.747	0.7248	0	-0.1366	0.5881
507	13	13.5	6.6516	0	0.0934	6.745	0.7238	0	-0.1384	0.5854
508	13.2	13.6	6.6506	0	0.0934	6.7441	0.7234	0	-0.1575	0.5659
509	13.1	13.7	6.649	0	0.0957	6.7447	0.7208	0	-0.1633	0.5575

510	13.1	13.7	6.6477	0	0.0955	6.7433	0.7176	0	-0.1725	0.5452
511	13.4	13.8	6.6466	0	0.0956	6.7422	0.7208	0	-0.1778	0.543
512	13.8	13.9	6.6454	0	0.0959	6.7413	0.7277	0	-0.1861	0.5416
513	13.9	14	6.6442	0	0.0952	6.7395	0.7267	0	-0.1853	0.5414
514	14	14.1	6.6434	0	0.0938	6.7372	0.7251	0	-0.1933	0.5318
515	14.2	14.2	6.6426	0	0.0928	6.7354	0.7292	0	-0.1944	0.5348
516	15.1	14.3	6.6422	0	0.0938	6.736	0.7216	0	-0.1729	0.5488
517	14.7	14.3	6.6411	0	0.0934	6.7345	0.7139	0	-0.1607	0.5532
518	15.3	14.4	6.6412	0	0.0946	6.7358	0.7256	0	-0.1625	0.5631
519	14	14.4	6.6407	0	0.0935	6.7341	0.7369	0	-0.1658	0.5711
520	14.7	14.4	6.6398	0	0.093	6.7328	0.7486	0	-0.154	0.5946
521	14.9	14.4	6.6397	0	0.0914	6.731	0.7516	0	-0.1621	0.5895
522	15.8	14.4	6.64	0	0.0911	6.7311	0.7505	0	-0.156	0.5945
523	15.4	14.4	6.6405	0	0.0911	6.7316	0.7546	0	-0.1466	0.6079
524	14.6	14.3	6.6411	0	0.0903	6.7313	0.7501	0	-0.1323	0.6178
525	14.7	14.2	6.6414	0	0.0904	6.7318	0.7587	0	-0.1292	0.6295
526	14.7	14.1	6.6413	0	0.0923	6.7336	0.7739	0	-0.1121	0.6619
527	14.4	14	6.641	0	0.0936	6.7346	0.7767	0	-0.1067	0.67
528	13.2	13.9	6.6403	0	0.0945	6.7348	0.7889	0	-0.0926	0.6963
529	13.2	13.9	6.6388	0	0.0964	6.7352	0.7821	0	-0.106	0.6762
530	13.8	13.8	6.6376	0	0.0993	6.7369	0.773	0	-0.1014	0.6716
531	13.7	13.8	6.6371	0	0.1012	6.7382	0.7649	0	-0.1031	0.6618
532	13.2	13.7	6.6365	0	0.1016	6.7381	0.7535	0	-0.1158	0.6377
533	12.8	13.7	6.6354	0	0.102	6.7374	0.7428	0	-0.1062	0.6366
534	12.8	13.7	6.6343	0	0.1033	6.7377	0.733	0	-0.1272	0.6057
535	12.3	13.7	6.6336	0	0.1039	6.7375	0.7317	0	-0.1322	0.5995
536	12.1	13.7	6.6331	0	0.1041	6.7372	0.7309	0	-0.118	0.6129
537	13.1	13.8	6.6325	0	0.1043	6.7368	0.7276	0	-0.1224	0.6052
538	14	13.8	6.6316	0	0.1035	6.7351	0.7248	0	-0.142	0.5827
539	14.2	13.9	6.6306	0	0.1031	6.7337	0.7295	0	-0.1536	0.5758
540	14.2	13.9	6.6305	0	0.1034	6.734	0.7383	0	-0.1593	0.579
541	14.7	13.9	6.6299	0	0.1038	6.7337	0.7515	0	-0.184	0.5675
542	14.4	14	6.6296	0	0.1039	6.7335	0.7529	0	-0.2001	0.5528
543	14.8	14.1	6.6294	0	0.1041	6.7335	0.7567	0	-0.2184	0.5382
544	14.8	14.2	6.6292	0	0.104	6.7332	0.7664	0	-0.1962	0.5702
545	15	14.3	6.6291	0	0.1038	6.7329	0.7657	0	-0.1842	0.5815
546	15	14.4	6.6285	0	0.1043	6.7328	0.7646	0	-0.1808	0.5837

547	14.8	14.5	6.6273	0	0.1045	6.7318	0.7539	0	-0.2021	0.5518
548	14.4	14.6	6.6261	0	0.104	6.7301	0.7477	0	-0.1825	0.5652
549	14	14.6	6.6251	0	0.1041	6.7293	0.7472	0	-0.2002	0.547
550	14	14.6	6.6239	0	0.1045	6.7284	0.7476	0	-0.1903	0.5573
551	14.6	14.6	6.6222	0	0.1039	6.7261	0.7478	0	-0.1743	0.5735
552	14.5	14.6	6.6211	0	0.1043	6.7254	0.7479	0	-0.1581	0.5898
553	14.3	14.6	6.6205	0	0.1059	6.7264	0.7467	0	-0.1549	0.5918
554	14.5	14.7	6.6199	0	0.1054	6.7252	0.7437	0	-0.1612	0.5825
555	14.4	14.7	6.619	0	0.1055	6.7244	0.7376	0	-0.1563	0.5813
556	15.3	14.6	6.618	0	0.1059	6.7239	0.7255	0	-0.1527	0.5728
557	14.7	14.6	6.6167	0	0.1078	6.7246	0.7201	0	-0.1338	0.5863
558	14.3	14.6	6.6155	0	0.1083	6.7238	0.7199	0	-0.1625	0.5574
559	14.6	14.6	6.6143	0	0.1081	6.7224	0.7198	0	-0.1603	0.5595
560	15	14.7	6.6128	0	0.1084	6.7212	0.7093	0	-0.1434	0.5659
561	15.1	14.7	6.6112	0	0.108	6.7192	0.7	0	-0.1502	0.5499
562	14.9	14.7	6.6098	0	0.1071	6.7169	0.6876	0	-0.1412	0.5464
563	15.1	14.8	6.6088	0	0.1066	6.7154	0.6791	0	-0.1518	0.5272
564	15.1	14.8	6.6073	0	0.1065	6.7138	0.67	0	-0.1561	0.5139
565	13.7	14.8	6.6071	0	0.1048	6.7119	0.6661	0	-0.1673	0.4988
566	14.2	14.7	6.6071	0	0.1046	6.7117	0.6611	0	-0.1925	0.4686
567	15	14.7	6.6052	0	0.1058	6.711	0.6604	0	-0.1897	0.4708
568	14.6	14.8	6.6041	0	0.1058	6.7099	0.6527	0	-0.186	0.4667
569	14.9	14.8	6.6031	0	0.1056	6.7087	0.6575	0	-0.1778	0.4797
570	14.8	14.8	6.6023	0	0.1058	6.7081	0.6545	0	-0.1915	0.463
571	14.9	14.7	6.601	0	0.1059	6.7069	0.6505	0	-0.2032	0.4474
572	15.2	14.7	6.5998	0	0.1053	6.7051	0.6555	0	-0.2329	0.4226
573	14.7	14.6	6.599	0	0.1047	6.7037	0.6652	0	-0.2463	0.4189
574	14.2	14.5	6.5976	0	0.1045	6.7022	0.6751	0	-0.2466	0.4286
575	14.3	14.6	6.5958	0	0.1041	6.6999	0.6937	0	-0.2642	0.4295
576	14.9	14.6	6.5952	0	0.1045	6.6997	0.7064	0	-0.2543	0.452
577	15.3	14.5	6.5936	0	0.1031	6.6967	0.7175	0	-0.2385	0.479
578	15.1	14.4	6.5935	0	0.1042	6.6977	0.7224	0	-0.234	0.4885
579	14.3	14.3	6.5932	0	0.1036	6.6968	0.7235	0	-0.2257	0.4978
580	14.2	14.2	6.5929	0	0.1032	6.6961	0.7228	0	-0.2037	0.5191
581	14.1	14.1	6.5929	0	0.103	6.6958	0.7235	0	-0.1619	0.5615
582	13.6	14.1	6.593	0	0.103	6.696	0.7324	0	-0.1361	0.5962
583	13.9	14	6.593	0	0.104	6.697	0.7373	0	-0.1228	0.6144

584	14.5	14	6.5926	0	0.1045	6.6971	0.7399	0	-0.1291	0.6108
585	14.1	13.9	6.592	0	0.1031	6.6951	0.7423	0	-0.1259	0.6163
586	13.7	13.9	6.5912	0	0.1033	6.6946	0.7432	0	-0.112	0.6312
587	13.3	13.8	6.5909	0	0.1047	6.6956	0.7399	0	-0.116	0.6238
588	12.7	13.8	6.5901	0	0.1054	6.6955	0.7309	0	-0.1123	0.6187
589	12.8	13.7	6.5895	0	0.1048	6.6943	0.7181	0	-0.1224	0.5957
590	13.4	13.7	6.5884	0	0.1061	6.6945	0.7031	0	-0.1254	0.5777
591	14	13.7	6.5877	0	0.1074	6.6951	0.6967	0	-0.1102	0.5865
592	13.6	13.7	6.5871	0	0.1082	6.6952	0.6902	0	-0.0997	0.5905
593	13.5	13.7	6.5861	0	0.1077	6.6937	0.6917	0	-0.0937	0.598
594	13.6	13.7	6.5851	0	0.107	6.6922	0.6967	0	-0.0987	0.598
595	13.4	13.7	6.5848	0	0.1084	6.6931	0.7054	0	-0.1015	0.604
596	13.9	13.7	6.5847	0	0.11	6.6947	0.7128	0	-0.1174	0.5954
597	14.8	13.7	6.5847	0	0.1087	6.6934	0.7153	0	-0.107	0.6083
598	14	13.8	6.5843	0	0.1102	6.6945	0.7116	0	-0.1087	0.6028
599	13.5	13.8	6.5835	0	0.1095	6.693	0.7099	0	-0.1109	0.5991
600	14	13.8	6.5827	0	0.1087	6.6914	0.7124	0	-0.1058	0.6067
601	14.2	13.9	6.5821	0	0.1079	6.69	0.7116	0	-0.0973	0.6143
602	14.2	13.9	6.5816	0	0.1078	6.6894	0.7031	0	-0.0929	0.6102
603	14.1	13.9	6.5814	0	0.1077	6.6891	0.6989	0	-0.0878	0.6111
604	14	13.9	6.5813	0	0.1073	6.6886	0.704	0	-0.0899	0.6141
605	13.8	13.9	6.581	0	0.1072	6.6881	0.7044	0	-0.1003	0.6041
606	13.4	13.9	6.5802	0	0.1082	6.6884	0.7003	0	-0.0985	0.6017
607	13.1	13.8	6.5796	0	0.1096	6.6892	0.6958	0	-0.0955	0.6002
608	13.4	13.8	6.5786	0	0.1095	6.6881	0.6948	0	-0.0783	0.6166
609	14.4	13.7	6.5781	0	0.11	6.6881	0.6851	0	-0.0756	0.6095
610	14.5	13.7	6.5777	0	0.1106	6.6883	0.6773	0	-0.0747	0.6026
611	13.5	13.6	6.5779	0	0.1097	6.6875	0.6653	0	-0.0742	0.5911
612	13.8	13.6	6.5774	0	0.1111	6.6885	0.6494	0	-0.0785	0.5709
613	14.1	13.6	6.5772	0	0.1109	6.6881	0.6378	0	-0.1414	0.4964
614	13.6	13.6	6.5768	0	0.1105	6.6873	0.6337	0	-0.1893	0.4444
615	13.3	13.6	6.5764	0	0.1121	6.6885	0.625	0	-0.1574	0.4676
616	13.2	13.6	6.5762	0	0.1128	6.689	0.6339	0	-0.1744	0.4595
617	13.1	13.7	6.5758	0	0.112	6.6878	0.6468	0	-0.1883	0.4585
618	13	13.7	6.5754	0	0.1124	6.6878	0.6354	0	-0.1813	0.4541
619	13	13.7	6.5752	0	0.1126	6.6878	0.6367	0	-0.2182	0.4185
620	13.3	13.6	6.5748	0	0.1133	6.6881	0.634	0	-0.2226	0.4113

621	13.9	13.6	6.5741	0	0.1147	6.6888	0.634	0	-0.2277	0.4063
622	14.1	13.6	6.5735	0	0.1158	6.6892	0.6261	0	-0.2274	0.3988
623	14.2	13.6	6.573	0	0.1157	6.6887	0.6219	0	-0.2325	0.3894
624	13.7	13.6	6.5717	0	0.1167	6.6884	0.6201	0	-0.2405	0.3796
625	13.8	13.6	6.5708	0	0.1158	6.6866	0.6089	0	-0.2435	0.3654
626	14.1	13.6	6.5696	0	0.1161	6.6857	0.5942	0	-0.2407	0.3536
627	13.8	13.6	6.5688	0	0.117	6.6857	0.5937	0	-0.2207	0.373
628	13.7	13.7	6.568	0	0.1171	6.6851	0.5904	0	-0.2353	0.3551
629	13.9	13.7	6.5665	0	0.1168	6.6833	0.5984	0	-0.2242	0.3743
630	13.3	13.8	6.5653	0	0.1154	6.6807	0.6018	0	-0.217	0.3848
631	13.7	13.8	6.5638	0	0.1148	6.6786	0.6159	0	-0.2255	0.3904
632	12.9	13.9	6.5628	0	0.1139	6.6767	0.62	0	-0.2105	0.4095
633	13.9	13.8	6.5614	0	0.1149	6.6763	0.6235	0	-0.2096	0.4139
634	13.3	13.8	6.5601	0	0.1159	6.676	0.6339	0	-0.2068	0.4271
635	13.9	13.8	6.5593	0	0.1151	6.6744	0.6371	0	-0.2132	0.4239
636	13.9	13.8	6.5591	0	0.1157	6.6748	0.6337	0	-0.2363	0.3974
637	14	13.8	6.5594	0	0.1156	6.675	0.6345	0	-0.2302	0.4044
638	14	13.8	6.5598	0	0.1158	6.6755	0.6438	0	-0.2083	0.4356
639	14.2	13.8	6.5603	0	0.1156	6.6759	0.6456	0	-0.2099	0.4356
640	14.8	13.8	6.5609	0	0.1145	6.6753	0.6481	0	-0.2242	0.4239
641	14.3	13.8	6.5609	0	0.1138	6.6747	0.6455	0	-0.2077	0.4378
642	13.1	13.8	6.5605	0	0.1133	6.6737	0.6476	0	-0.2305	0.417
643	13.4	13.8	6.5597	0	0.114	6.6737	0.651	0	-0.2249	0.4261
644	14.4	13.8	6.5587	0	0.1141	6.6728	0.6496	0	-0.2217	0.4279
645	13.6	13.7	6.5579	0	0.1155	6.6734	0.6478	0	-0.2269	0.4209
646	13.6	13.7	6.557	0	0.115	6.672	0.651	0	-0.2045	0.4465
647	14.2	13.7	6.5561	0	0.1153	6.6715	0.6572	0	-0.1866	0.4706
648	13.9	13.6	6.5551	0	0.1151	6.6702	0.665	0	-0.1999	0.4651
649	13.1	13.6	6.5539	0	0.1147	6.6686	0.6681	0	-0.1809	0.4872
650	13.2	13.5	6.5527	0	0.1142	6.6669	0.6608	0	-0.1927	0.4681
651	13.5	13.4	6.5519	0	0.1132	6.6651	0.6457	0	-0.2059	0.4397
652	13.2	13.4	6.5512	0	0.1131	6.6643	0.621	0	-0.1969	0.4241
653	13.2	13.4	6.5501	0	0.1149	6.665	0.6115	0	-0.1924	0.4191
654	13.3	13.4	6.5494	0	0.1154	6.6648	0.6135	0	-0.1935	0.42
655	13	13.4	6.549	0	0.1153	6.6643	0.6279	0	-0.1637	0.4642
656	13.6	13.3	6.5484	0	0.1155	6.6639	0.6382	0	-0.1689	0.4693
657	13.4	13.2	6.5472	0	0.1157	6.6629	0.639	0	-0.1635	0.4755

658	12.9	13.2	6.547	0	0.1159	6.6629	0.6349	0	-0.1573	0.4776
659	13.2	13.2	6.5466	0	0.1156	6.6622	0.6248	0	-0.1673	0.4574
660	13.2	13.2	6.5463	0	0.1158	6.6621	0.6244	0	-0.1657	0.4587
661	13.3	13.2	6.5463	0	0.1159	6.6621	0.632	0	-0.1688	0.4632
662	13.1	13.2	6.546	0	0.1212	6.6672	0.6445	0	-0.1939	0.4506
663	13.2	13.2	6.5455	0	0.1255	6.671	0.6545	0	-0.1867	0.4678
664	13.6	13.2	6.5448	0	0.1222	6.667	0.665	0	-0.1985	0.4665
665	12.9	13.2	6.5437	0	0.1223	6.666	0.6712	0	-0.202	0.4692
666	12.7	13.2	6.5424	0	0.1235	6.6659	0.6748	0	-0.1919	0.4828
667	13.1	13.2	6.5417	0	0.124	6.6656	0.687	0	-0.1902	0.4968
668	12.9	13.2	6.5404	0	0.1276	6.668	0.696	0	-0.2001	0.4959
669	13.5	13.3	6.5397	0	0.1279	6.6676	0.7065	0	-0.203	0.5035
670	13.5	13.3	6.5389	0	0.1286	6.6675	0.7158	0	-0.2011	0.5147
671	13.4	13.3	6.5384	0	0.1286	6.667	0.7141	0	-0.2047	0.5094
672	13.4	13.4	6.5376	0	0.1286	6.6661	0.7047	0	-0.2009	0.5038
673	13.3	13.4	6.537	0	0.1288	6.6658	0.6997	0	-0.1792	0.5205
674	13.1	13.4	6.5367	0	0.1289	6.6656	0.7078	0	-0.1706	0.5372
675	13.1	13.4	6.5364	0	0.1281	6.6645	0.7094	0	-0.1571	0.5524
676	13.3	13.5	6.5358	0	0.1266	6.6624	0.7035	0	-0.1659	0.5376
677	13.6	13.5	6.5346	0	0.1266	6.6612	0.688	0	-0.1766	0.5114
678	14.3	13.6	6.5337	0	0.1266	6.6603	0.6761	0	-0.1815	0.4947
679	13.5	13.6	6.533	0	0.1253	6.6584	0.6766	0	-0.1785	0.498
680	13.9	13.6	6.5313	0	0.1257	6.6571	0.6772	0	-0.1794	0.4977
681	14.2	13.6	6.5309	0	0.124	6.6549	0.6801	0	-0.1901	0.49
682	13.7	13.6	6.5307	0	0.124	6.6546	0.6791	0	-0.2055	0.4736
683	13.2	13.6	6.5296	0	0.1247	6.6543	0.678	0	-0.213	0.4649
684	13.5	13.5	6.5289	0	0.1258	6.6547	0.6709	0	-0.1869	0.484
685	14.1	13.6	6.5286	0	0.1267	6.6553	0.6633	0	-0.1714	0.492
686	14.1	13.6	6.5278	0	0.1264	6.6541	0.6602	0	-0.1724	0.4879
687	13.4	13.6	6.5265	0	0.1255	6.652	0.6647	0	-0.173	0.4917
688	13	13.6	6.5256	0	0.1264	6.6519	0.6688	0	-0.1637	0.5051
689	13.6	13.7	6.5247	0	0.1272	6.6519	0.6694	0	-0.1731	0.4963
690	13.3	13.7	6.5239	0	0.1268	6.6507	0.6697	0	-0.1849	0.4848
691	13.6	13.7	6.5229	0	0.1304	6.6534	0.6713	0	-0.208	0.4632
692	13	13.8	6.522	0	0.1307	6.6526	0.6684	0	-0.2122	0.4562
693	13	13.8	6.5211	0	0.1298	6.6509	0.6665	0	-0.209	0.4576
694	14.1	13.9	6.5203	0	0.1297	6.6501	0.6646	0	-0.2015	0.4631

695	13.8	13.9	6.5197	0	0.1288	6.6485	0.6534	0	-0.2032	0.4502
696	13.9	13.9	6.519	0	0.1287	6.6477	0.6443	0	-0.1939	0.4504
697	14.2	13.9	6.5182	0	0.1287	6.6469	0.6409	0	-0.1918	0.4491
698	14	14	6.5175	0	0.1283	6.6458	0.6427	0	-0.1857	0.4569
699	14.4	14	6.5174	0	0.1287	6.6461	0.647	0	-0.1879	0.4591
700	14.6	14	6.5181	0	0.1293	6.6474	0.6384	0	-0.1768	0.4616
701	14.7	14	6.52	0	0.1276	6.6476	0.6298	0	-0.1621	0.4676
702	14.5	14	6.5205	0	0.127	6.6475	0.6382	0	-0.1883	0.4499
703	14.5	14	6.52	0	0.1271	6.6471	0.6476	0	-0.2152	0.4324
704	14.3	14	6.5185	0	0.1237	6.6422	0.651	0	-0.2144	0.4366
705	14.2	14	6.5171	0	0.1241	6.6412	0.6585	0	-0.2234	0.4351
706	14.1	14	6.5163	0	0.1245	6.6409	0.6659	0	-0.233	0.4328
707	13.7	14	6.5161	0	0.1254	6.6415	0.6768	0	-0.2311	0.4457
708	13.6	14	6.5162	0	0.1262	6.6424	0.6876	0	-0.2388	0.4488
709	14	14	6.5157	0	0.1266	6.6422	0.7098	0	-0.2433	0.4665
710	13.9	13.9	6.5145	0	0.1274	6.642	0.7127	0	-0.2441	0.4686
711	13.2	13.9	6.5134	0	0.1291	6.6425	0.7212	0	-0.2458	0.4754
712	13	13.8	6.512	0	0.1298	6.6418	0.7265	0	-0.2673	0.4592
713	13.5	13.8	6.5107	0	0.1307	6.6414	0.7343	0	-0.2032	0.5311
714	13.7	13.7	6.5097	0	0.1307	6.6404	0.7399	0	-0.1423	0.5976
715	13.3	13.7	6.509	0	0.1312	6.6402	0.7403	0	-0.1751	0.5652
716	13.9	13.7	6.5075	0	0.1318	6.6393	0.7344	0	-0.18	0.5545
717	14.4	13.8	6.5062	0	0.132	6.6382	0.7265	0	-0.1669	0.5596
718	14	13.8	6.5048	0	0.1326	6.6374	0.7238	0	-0.166	0.5578
719	13.8	13.9	6.5036	0	0.1327	6.6364	0.7168	0	-0.1566	0.5601
720	13.7	13.9	6.5033	0	0.1338	6.6371	0.7206	0	-0.153	0.5676
721	13.5	13.9	6.5037	0	0.1347	6.6384	0.7185	0	-0.1443	0.5742
722	13.8	14	6.5035	0	0.1337	6.6372	0.7191	0	-0.1457	0.5734
723	13.8	14	6.5022	0	0.1328	6.635	0.7167	0	-0.1548	0.5618
724	13.8	14	6.5008	0	0.1324	6.6332	0.7252	0	-0.1528	0.5725
725	14.3	14	6.5004	0	0.1324	6.6328	0.7345	0	-0.1522	0.5824
726	14.2	14.1	6.5008	0	0.1338	6.6346	0.7386	0	-0.1692	0.5693
727	14.6	14	6.5011	0	0.1351	6.6362	0.7428	0	-0.1841	0.5587
728	14.8	14	6.5003	0	0.1349	6.6353	0.7409	0	-0.1806	0.5603
729	14.6	14	6.4988	0	0.1347	6.6335	0.7365	0	-0.2089	0.5276
730	13.9	14	6.4972	0	0.1345	6.6317	0.7353	0	-0.1977	0.5376
731	13.6	14	6.4959	0	0.1353	6.6313	0.7279	0	-0.2024	0.5255

732	13.9	14	6.495	0	0.1352	6.6302	0.7335	0	-0.2305	0.503
733	14	14.1	6.4943	0	0.1336	6.6279	0.7405	0	-0.2316	0.509
734	13.8	14.1	6.4938	0	0.1331	6.6268	0.7353	0	-0.2115	0.5238
735	14.4	14.1	6.4933	0	0.1323	6.6256	0.738	0	-0.1879	0.55
736	13.5	14.1	6.4926	0	0.133	6.6256	0.7434	0	-0.1758	0.5676
737	14.1	14.1	6.4925	0	0.1319	6.6245	0.7348	0	-0.1867	0.548
738	14	14	6.4928	0	0.1331	6.6259	0.7128	0	-0.1902	0.5227
739	13.9	14	6.4933	0	0.1341	6.6274	0.694	0	-0.1631	0.5309
740	13.3	13.9	6.4937	0	0.1353	6.629	0.6827	0	-0.1605	0.5222
741	13.8	13.9	6.4941	0	0.135	6.629	0.6755	0	-0.1636	0.5119
742	14.5	13.9	6.4938	0	0.1342	6.628	0.6818	0	-0.1278	0.554
743	14.1	14	6.4932	0	0.1342	6.6274	0.6799	0	-0.1205	0.5594
744	14.2	14	6.4933	0	0.1345	6.6278	0.6812	0	-0.1328	0.5485
745	14.7	13.9	6.4934	0	0.1349	6.6283	0.68	0	-0.1308	0.5492
746	14.1	13.9	6.4929	0	0.1342	6.6271	0.6801	0	-0.1287	0.5515
747	13.7	13.9	6.4919	0	0.1339	6.6258	0.6798	0	-0.1213	0.5586
748	13.4	13.9	6.4904	0	0.1339	6.6243	0.681	0	-0.113	0.568
749	13.6	13.8	6.49	0	0.1324	6.6224	0.6846	0	-0.1192	0.5654
750	13.5	13.8	6.4897	0	0.1305	6.6202	0.6915	0	-0.1314	0.5601
751	14.1	13.8	6.4881	0	0.1321	6.6201	0.7056	0	-0.1431	0.5625
752	14.4	13.7	6.4864	0	0.1346	6.621	0.7298	0	-0.1701	0.5596
753	13.9	13.7	6.485	0	0.1363	6.6213	0.7359	0	-0.1837	0.5522
754	13.4	13.6	6.4836	0	0.1377	6.6213	0.7314	0	-0.1792	0.5523
755	13.7	13.5	6.4824	0	0.1386	6.621	0.7196	0	-0.2085	0.5111
756	13.6	13.4	6.4807	0	0.1386	6.6193	0.7161	0	-0.2053	0.5108
757	13.5	13.4	6.4785	0	0.1396	6.618	0.7145	0	-0.2056	0.5089
758	13.1	13.4	6.476	0	0.1402	6.6162	0.7171	0	-0.2043	0.5128
759	13.2	13.5	6.4753	0	0.14	6.6153	0.7233	0	-0.2011	0.5222
760	12.7	13.6	6.4741	0	0.1404	6.6146	0.7239	0	-0.1959	0.528
761	13.8	13.6	6.4736	0	0.1426	6.6162	0.7172	0	-0.1901	0.5271
762	13.4	13.6	6.4726	0	0.1415	6.6141	0.7092	0	-0.1938	0.5154
763	12.9	13.7	6.4715	0	0.1398	6.6112	0.6965	0	-0.2047	0.4918
764	12.6	13.8	6.4708	0	0.1397	6.6105	0.6909	0	-0.172	0.519
765	12.8	13.9	6.4703	0	0.1403	6.6105	0.6871	0	-0.1809	0.5062
766	13.5	14	6.4698	0	0.1401	6.6099	0.6797	0	-0.2305	0.4492
767	13.8	14.1	6.4693	0	0.1406	6.6099	0.6655	0	-0.2015	0.464
768	14	14.2	6.4687	0	0.1433	6.612	0.6594	0	-0.1903	0.4691

769	15.3	14.2	6.4676	0	0.1432	6.6108	0.6536	0	-0.2208	0.4327
770	15.3	14.4	6.4671	0	0.143	6.6101	0.65	0	-0.2101	0.4399
771	14.6	14.5	6.4665	0	0.1432	6.6097	0.6519	0	-0.1881	0.4638
772	15.2	14.5	6.4659	0	0.144	6.61	0.6594	0	-0.188	0.4714
773	15.3	14.6	6.4645	0	0.144	6.6085	0.6641	0	-0.1959	0.4681
774	15.3	14.7	6.4633	0	0.1441	6.6074	0.6555	0	-0.2096	0.4459
775	15.3	14.8	6.4625	0	0.1451	6.6076	0.6417	0	-0.2285	0.4132
776	15.2	14.8	6.4616	0	0.145	6.6066	0.6395	0	-0.2066	0.4329
777	15.1	14.8	6.4605	0	0.1447	6.6051	0.6486	0	-0.1772	0.4714
778	14.7	14.8	6.46	0	0.1475	6.6075	0.6568	0	-0.1719	0.4849
779	16	14.8	6.4595	0	0.1451	6.6046	0.6494	0	-0.168	0.4815
780	14.7	14.7	6.4585	0	0.146	6.6045	0.6346	0	-0.1704	0.4642
781	14.5	14.7	6.4575	0	0.1471	6.6046	0.6248	0	-0.1738	0.451
782	14.1	14.6	6.4566	0	0.1471	6.6037	0.6209	0	-0.1617	0.4592
783	14.2	14.5	6.456	0	0.1458	6.6019	0.6198	0	-0.1605	0.4594
784	14.3	14.4	6.4551	0	0.1446	6.5997	0.6189	0	-0.1798	0.4391
785	14.2	14.3	6.4543	0	0.1443	6.5986	0.6177	0	-0.1898	0.4279
786	14	14.2	6.4543	0	0.145	6.5993	0.6226	0	-0.1949	0.4277
787	14.1	14.1	6.4552	0	0.1446	6.5998	0.6316	0	-0.1838	0.4477
788	14.4	14	6.4562	0	0.1427	6.5988	0.6396	0	-0.2133	0.4262
789	14.2	13.8	6.4564	0	0.1433	6.5997	0.6543	0	-0.212	0.4423
790	13.7	13.7	6.4563	0	0.1432	6.5995	0.6687	0	-0.2105	0.4582
791	14.3	13.6	6.4548	0	0.1432	6.598	0.6761	0	-0.2488	0.4273
792	13.7	13.5	6.454	0	0.1427	6.5967	0.679	0	-0.2499	0.4291
793	13	13.4	6.453	0	0.1431	6.5961	0.6784	0	-0.2389	0.4395
794	13.1	13.3	6.4523	0	0.1428	6.5952	0.678	0	-0.2402	0.4378
795	13.1	13.2	6.4517	0	0.1417	6.5934	0.6859	0	-0.2422	0.4437
796	13	13.1	6.451	0	0.1408	6.5918	0.6943	0	-0.2447	0.4496
797	13	13	6.4501	0	0.14	6.5901	0.6978	0	-0.2448	0.453
798	13	12.9	6.449	0	0.1402	6.5892	0.7023	0	-0.2333	0.469
799	12.7	12.8	6.4483	0	0.1419	6.5901	0.6988	0	-0.2417	0.4571
800	12.1	12.7	6.4475	0	0.1437	6.5912	0.7007	0	-0.2455	0.4552
801	11.8	12.7	6.447	0	0.1446	6.5916	0.6998	0	-0.2618	0.438
802	12.3	12.6	6.4469	0	0.1454	6.5923	0.6865	0	-0.2681	0.4184
803	12.3	12.6	6.4469	0	0.145	6.5919	0.6767	0	-0.2221	0.4546
804	12.5	12.6	6.4465	0	0.1446	6.5911	0.6687	0	-0.1832	0.4855
805	12.2	12.6	6.4455	0	0.1446	6.5901	0.6577	0	-0.1657	0.4919

806	12.1	12.6	6.4449	0	0.1451	6.59	0.6463	0	-0.1536	0.4927
807	12.5	12.6	6.4444	0	0.1458	6.5902	0.6302	0	-0.1488	0.4814
808	12.6	12.6	6.4438	0	0.1463	6.5901	0.611	0	-0.1413	0.4698
809	12.7	12.6	6.4433	0	0.1462	6.5894	0.5924	0	-0.1343	0.4581
810	12.8	12.7	6.4428	0	0.1464	6.5893	0.5849	0	-0.1378	0.4471
811	12.6	12.8	6.4425	0	0.1484	6.5909	0.5771	0	-0.1439	0.4332
812	13.1	12.9	6.4423	0	0.1502	6.5926	0.5779	0	-0.1261	0.4517
813	13.2	12.9	6.4416	0	0.1479	6.5895	0.5786	0	-0.1392	0.4393
814	12.8	13	6.441	0	0.1488	6.5898	0.5747	0	-0.156	0.4186
815	12.7	13	6.441	0	0.1543	6.5953	0.5735	0	-0.1658	0.4077
816	13.2	13.1	6.4409	0	0.152	6.5929	0.5755	0	-0.1637	0.4118
817	12.9	13.2	6.4403	0	0.151	6.5913	0.5774	0	-0.1607	0.4167
818	13.1	13.2	6.4394	0	0.1547	6.5942	0.58	0	-0.1602	0.4198
819	13.7	13.2	6.4386	0	0.1537	6.5924	0.5835	0	-0.1352	0.4483
820	13.9	13.2	6.4382	0	0.1526	6.5907	0.5823	0	-0.129	0.4534
821	13.5	13.3	6.4377	0	0.1535	6.5912	0.5832	0	-0.1298	0.4534
822	13.2	13.2	6.4371	0	0.1533	6.5904	0.5714	0	-0.112	0.4594
823	13.6	13.2	6.4367	0	0.1538	6.5904	0.5457	0	-0.1008	0.4449
824	13.4	13.2	6.4366	0	0.1552	6.5918	0.513	0	-0.1078	0.4052
825	13.5	13.2	6.4365	0	0.1531	6.5896	0.4855	0	-0.1109	0.3745
826	13.4	13.3	6.4359	0	0.1515	6.5874	0.471	0	-0.0998	0.3711
827	13	13.3	6.4355	0	0.1523	6.5878	0.4607	0	-0.1026	0.3581
828	13.3	13.3	6.4354	0	0.1517	6.5871	0.4516	0	-0.1111	0.3405
829	13.5	13.2	6.4353	0	0.1518	6.5871	0.4477	0	-0.0872	0.3604
830	12.8	13.1	6.4348	0	0.1518	6.5866	0.4441	0	-0.1184	0.3258
831	12.7	13.1	6.4338	0	0.1515	6.5853	0.4413	0	-0.1185	0.3228
832	13	13.1	6.433	0	0.1513	6.5843	0.4359	0	-0.1102	0.3258
833	13	13.1	6.4324	0	0.1516	6.584	0.426	0	-0.1181	0.3079
834	12.8	13	6.432	0	0.1521	6.5841	0.4195	0	-0.1392	0.2804
835	13.4	13	6.431	0	0.1518	6.5828	0.4125	0	-0.1645	0.2479
836	13.3	12.9	6.4295	0	0.1514	6.5808	0.4169	0	-0.1677	0.2492
837	12.7	12.9	6.4286	0	0.1533	6.5818	0.4238	0	-0.167	0.2567
838	12.9	12.8	6.4274	0	0.1543	6.5816	0.4359	0	-0.1789	0.257
839	12.6	12.8	6.4264	0	0.1552	6.5816	0.4552	0	-0.2171	0.2381
840	12.7	12.8	6.4261	0	0.1601	6.5863	0.4749	0	-0.225	0.2499
841	13.1	12.7	6.4262	0	0.16	6.5861	0.4911	0	-0.2207	0.2704
842	13.1	12.7	6.426	0	0.158	6.584	0.486	0	-0.2246	0.2614

843	12.9	12.7	6.4254	0	0.1582	6.5836	0.4834	0	-0.2448	0.2386
844	12.9	12.7	6.4248	0	0.1587	6.5834	0.4785	0	-0.2347	0.2438
845	12.3	12.6	6.424	0	0.1594	6.5834	0.463	0	-0.2331	0.2299
846	11.9	12.6	6.4231	0	0.1587	6.5818	0.4616	0	-0.2432	0.2184
847	12.5	12.5	6.4216	0	0.1572	6.5789	0.4676	0	-0.228	0.2396
848	12.4	12.5	6.4205	0	0.1581	6.5786	0.472	0	-0.2441	0.2279
849	12.7	12.6	6.42	0	0.157	6.5769	0.4724	0	-0.2552	0.2172
850	12	12.6	6.4197	0	0.1566	6.5764	0.4695	0	-0.2386	0.2309
851	12.3	12.6	6.4194	0	0.1589	6.5783	0.4685	0	-0.2175	0.251
852	12.8	12.6	6.4187	0	0.1568	6.5756	0.473	0	-0.2128	0.2602
853	12.4	12.5	6.4181	0	0.1546	6.5728	0.478	0	-0.2152	0.2628
854	12.1	12.5	6.4178	0	0.1543	6.5721	0.4803	0	-0.2163	0.264
855	12.4	12.5	6.4177	0	0.154	6.5717	0.4886	0	-0.2079	0.2807
856	12.4	12.5	6.4177	0	0.1535	6.5712	0.4904	0	-0.2022	0.2881
857	12.6	12.4	6.4174	0	0.1537	6.5711	0.4974	0	-0.1943	0.303
858	13.5	12.4	6.4168	0	0.1536	6.5704	0.5128	0	-0.2125	0.3003
859	12.8	12.4	6.4168	0	0.1538	6.5706	0.5171	0	-0.2091	0.3079
860	13.1	12.5	6.4164	0	0.1548	6.5712	0.5221	0	-0.2073	0.3148
861	12.5	12.5	6.4158	0	0.1552	6.5711	0.5272	0	-0.1956	0.3316
862	12.3	12.5	6.4147	0	0.1554	6.5702	0.5313	0	-0.1638	0.3675
863	12	12.6	6.414	0	0.1554	6.5694	0.5346	0	-0.1401	0.3945
864	11.9	12.6	6.4134	0	0.1563	6.5697	0.5313	0	-0.1638	0.3676
865	11.8	12.6	6.4127	0	0.1566	6.5694	0.5319	0	-0.1531	0.3788
866	11.9	12.6	6.412	0	0.1562	6.5682	0.5403	0	-0.0945	0.4459
867	12.4	12.5	6.4113	0	0.1566	6.5679	0.545	0	-0.1251	0.4198
868	12.8	12.4	6.4104	0	0.1568	6.5672	0.5495	0	-0.1455	0.404
869	13.1	12.4	6.4094	0	0.1561	6.5655	0.5503	0	-0.1246	0.4256
870	11.9	12.3	6.4087	0	0.156	6.5647	0.5465	0	-0.138	0.4085
871	13.4	12.3	6.4094	0	0.1544	6.5637	0.5431	0	-0.1419	0.4012
872	13.7	12.2	6.4113	0	0.1541	6.5655	0.5371	0	-0.1374	0.3997
873	12.6	12.2	6.4132	0	0.1548	6.568	0.5282	0	-0.1456	0.3827
874	12.1	12.2	6.4147	0	0.1552	6.5699	0.5247	0	-0.1348	0.3899
875	12.1	12.2	6.4154	0	0.1551	6.5705	0.5283	0	-0.119	0.4093
876	12.1	12.1	6.4155	0	0.1553	6.5708	0.5289	0	-0.1437	0.3852
877	11.7	12	6.4153	0	0.1558	6.5711	0.5252	0	-0.1679	0.3573
878	11.6	11.9	6.4152	0	0.1562	6.5715	0.5225	0	-0.1464	0.3761
879	12.2	11.8	6.4151	0	0.1569	6.572	0.522	0	-0.1475	0.3745

880	11.5	11.8	6.4144	0	0.1578	6.5722	0.5229	0	-0.1455	0.3774
881	11	11.7	6.4139	0	0.1581	6.572	0.5197	0	-0.1488	0.3709
882	11.4	11.6	6.414	0	0.1589	6.5729	0.5144	0	-0.1372	0.3772
883	12	11.6	6.4141	0	0.1597	6.5738	0.5119	0	-0.1256	0.3862
884	11.8	11.6	6.4138	0	0.1611	6.5749	0.5122	0	-0.1263	0.3859
885	10.9	11.6	6.4126	0	0.1611	6.5737	0.5119	0	-0.1297	0.3822
886	10.5	11.7	6.4119	0	0.1617	6.5737	0.505	0	-0.1327	0.3723
887	11.2	11.8	6.4116	0	0.1624	6.5741	0.4929	0	-0.1438	0.3491
888	11.3	11.9	6.4107	0	0.1644	6.575	0.4843	0	-0.1263	0.358
889	10.9	12	6.4089	0	0.1658	6.5747	0.469	0	-0.1184	0.3506
890	11.2	12.1	6.4072	0	0.1653	6.5725	0.456	0	-0.1077	0.3482
891	11.9	12.2	6.4062	0	0.1656	6.5718	0.4539	0	-0.0632	0.3907
892	12.6	12.4	6.4056	0	0.1672	6.5728	0.4567	0	-0.0748	0.3819
893	13.4	12.5	6.4051	0	0.1666	6.5717	0.4556	0	-0.0956	0.3599
894	12.2	12.7	6.406	0	0.1661	6.5722	0.4529	0	-0.09	0.3629
895	13	12.8	6.4055	0	0.166	6.5715	0.449	0	-0.0876	0.3614
896	13.3	12.9	6.4042	0	0.1636	6.5678	0.4423	0	-0.0838	0.3585
897	13.9	13.1	6.4029	0	0.1644	6.5673	0.4341	0	-0.0835	0.3506
898	13.7	13.2	6.4018	0	0.1657	6.5675	0.4209	0	-0.0968	0.3241
899	13.6	13.4	6.4013	0	0.1657	6.567	0.4125	0	-0.0951	0.3174
900	14	13.5	6.4007	0	0.1654	6.5661	0.4077	0	-0.1025	0.3052
901	14.2	13.6	6.3997	0	0.1659	6.5656	0.4107	0	-0.1091	0.3016
902	14.1	13.6	6.3991	0	0.1669	6.566	0.4105	0	-0.0825	0.3279
903	14.8	13.7	6.3989	0	0.1666	6.5655	0.4065	0	-0.1018	0.3047
904	13.4	13.8	6.3977	0	0.1653	6.563	0.4056	0	-0.1364	0.2692
905	13.2	13.9	6.3965	0	0.1648	6.5613	0.4046	0	-0.1569	0.2477
906	14.3	13.9	6.3951	0	0.1645	6.5597	0.4038	0	-0.1629	0.2408
907	13.9	13.9	6.3931	0	0.167	6.5602	0.406	0	-0.1619	0.2441
908	13.4	13.9	6.3921	0	0.1672	6.5593	0.407	0	-0.1589	0.2482
909	13.3	13.9	6.3911	0	0.1669	6.558	0.4069	0	-0.1533	0.2536
910	13.5	13.9	6.3901	0	0.166	6.5561	0.4166	0	-0.1533	0.2633
911	13.9	13.9	6.3894	0	0.1648	6.5542	0.4075	0	-0.1342	0.2733
912	14.5	13.8	6.3889	0	0.1642	6.5531	0.3957	0	-0.138	0.2577
913	14.9	13.7	6.3885	0	0.1643	6.5528	0.3827	0	-0.1307	0.252
914	14.8	13.7	6.3878	0	0.1641	6.5519	0.3759	0	-0.1303	0.2456
915	13.8	13.7	6.387	0	0.1637	6.5507	0.3689	0	-0.1235	0.2454
916	13.5	13.6	6.3864	0	0.1645	6.5509	0.3601	0	-0.1357	0.2244

917	13.9	13.6	6.3853	0	0.1656	6.5509	0.3523	0	-0.15	0.2023
918	13.6	13.5	6.3844	0	0.1672	6.5516	0.3457	0	-0.146	0.1997
919	13.8	13.5	6.384	0	0.1675	6.5515	0.3397	0	-0.148	0.1917
920	13.3	13.5	6.3838	0	0.1668	6.5506	0.335	0	-0.1593	0.1757
921	13	13.4	6.384	0	0.1673	6.5513	0.3282	0	-0.165	0.1631
922	12.8	13.2	6.3843	0	0.1678	6.5521	0.3328	0	-0.1736	0.1592
923	12.8	13.1	6.3842	0	0.1672	6.5514	0.3543	0	-0.1832	0.1711
924	13	13	6.3838	0	0.1671	6.5509	0.3702	0	-0.1922	0.178
925	13.1	13	6.3836	0	0.1675	6.551	0.3838	0	-0.1947	0.1891
926	12.7	12.9	6.3834	0	0.1683	6.5517	0.3891	0	-0.2008	0.1883
927	12.9	12.8	6.3832	0	0.1669	6.5501	0.3866	0	-0.2066	0.1801
928	13.4	12.7	6.3832	0	0.1665	6.5497	0.3831	0	-0.2096	0.1735
929	12.3	12.6	6.383	0	0.1663	6.5494	0.38	0	-0.2115	0.1685
930	12.1	12.5	6.3828	0	0.1667	6.5495	0.3741	0	-0.2052	0.1689
931	12.1	12.4	6.3824	0	0.1652	6.5476	0.366	0	-0.1886	0.1774
932	12.2	12.3	6.3818	0	0.1638	6.5456	0.3628	0	-0.1863	0.1765
933	12.8	12.2	6.3812	0	0.1642	6.5454	0.3692	0	-0.1808	0.1883
934	13.3	12.1	6.3808	0	0.165	6.5458	0.3756	0	-0.1763	0.1992
935	12.5	12	6.3805	0	0.1651	6.5456	0.3786	0	-0.1718	0.2068
936	11.6	11.9	6.3802	0	0.1657	6.5459	0.37	0	-0.1664	0.2035
937	11.9	11.8	6.3801	0	0.1659	6.546	0.3617	0	-0.1644	0.1973
938	12.4	11.7	6.3805	0	0.1661	6.5466	0.3544	0	-0.1743	0.1801
939	11.6	11.7	6.3809	0	0.1659	6.5468	0.3377	0	-0.1613	0.1764
940	10.8	11.6	6.3807	0	0.1665	6.5472	0.3157	0	-0.1423	0.1734
941	10.5	11.6	6.3805	0	0.1675	6.5479	0.298	0	-0.1547	0.1434
942	10.6	11.6	6.3804	0	0.1676	6.548	0.286	0	-0.1673	0.1187
943	10.9	11.5	6.3801	0	0.1672	6.5473	0.2817	0	-0.1512	0.1305
944	11.1	11.4	6.3799	0	0.1674	6.5473	0.2797	0	-0.1585	0.1212
945	11.3	11.4	6.3798	0	0.1677	6.5475	0.2952	0	-0.1531	0.1421
946	11.4	11.4	6.3797	0	0.167	6.5467	0.2944	0	-0.1626	0.1318
947	11.3	11.4	6.3796	0	0.1669	6.5465	0.2856	0	-0.1825	0.1031
948	11	11.3	6.3793	0	0.1676	6.5469	0.2769	0	-0.1707	0.1062
949	11.4	11.3	6.3792	0	0.1672	6.5464	0.2661	0	-0.1613	0.1049
950	11.9	11.3	6.3787	0	0.1676	6.5462	0.2584	0	-0.1625	0.0959
951	11.3	11.3	6.3784	0	0.1671	6.5455	0.25	0	-0.1602	0.0898
952	11.5	11.3	6.3781	0	0.167	6.5451	0.2399	0	-0.1488	0.0911
953	11.5	11.3	6.3776	0	0.1683	6.5458	0.2381	0	-0.1361	0.102

954	11.8	11.3	6.3774	0	0.17	6.5473	0.2433	0	-0.1299	0.1134
955	11.9	11.4	6.3774	0	0.1703	6.5476	0.239	0	-0.1395	0.0995
956	11.4	11.3	6.3771	0	0.1697	6.5468	0.229	0	-0.144	0.0851
957	11.2	11.3	6.3767	0	0.1696	6.5462	0.2226	0	-0.1631	0.0596
958	10.9	11.3	6.3761	0	0.1689	6.5451	0.2063	0	-0.1467	0.0596
959	11.1	11.3	6.3751	0	0.1691	6.5443	0.1985	0	-0.1508	0.0477
960	11.2	11.2	6.3757	0	0.1682	6.5439	0.1915	0	-0.1389	0.0526
961	11	11.2	6.3763	0	0.169	6.5453	0.1853	0	-0.1297	0.0557
962	11	11.2	6.3765	0	0.1685	6.545	0.1812	0	-0.1394	0.0418
963	11.3	11.2	6.3764	0	0.1684	6.5448	0.1795	0	-0.1538	0.0256
964	11.5	11.1	6.3765	0	0.1687	6.5452	0.177	0	-0.1546	0.0224
965	10.9	11.1	6.3767	0	0.1702	6.5469	0.1712	0	-0.1492	0.0219
966	10.7	11.1	6.3768	0	0.1712	6.548	0.1707	0	-0.1476	0.0231
967	11	11.1	6.3767	0	0.1712	6.5479	0.1734	0	-0.1457	0.0277
968	10.9	11.1	6.3764	0	0.1716	6.548	0.1643	0	-0.1274	0.0369
969	11.1	11.1	6.3759	0	0.172	6.5479	0.1523	0	-0.1126	0.0397
970	11.3	11.1	6.3759	0	0.1725	6.5484	0.1444	0	-0.115	0.0294
971	11.3	11.1	6.3761	0	0.1717	6.5478	0.1446	0	-0.1327	0.0119
972	10.9	11.2	6.3759	0	0.1724	6.5484	0.1504	0	-0.14	0.0104
973	10.8	11.2	6.3762	0	0.174	6.5502	0.1545	0	-0.1424	0.0121
974	11	11.2	6.3764	0	0.1747	6.551	0.1531	0	-0.1542	-0.0011
975	11.3	11.3	6.3765	0	0.1751	6.5517	0.1485	0	-0.1691	-0.0206
976	11.5	11.4	6.3768	0	0.1759	6.5528	0.1467	0	-0.1706	-0.0239
977	11.4	11.4	6.377	0	0.1767	6.5537	0.1449	0	-0.1816	-0.0367
978	11.1	11.5	6.3772	0	0.1774	6.5546	0.1484	0	-0.2089	-0.0606
979	11.1	11.5	6.3777	0	0.1775	6.5551	0.1522	0	-0.2083	-0.0561
980	11.3	11.6	6.3778	0	0.1767	6.5545	0.1514	0	-0.2099	-0.0585
981	11.8	11.6	6.3776	0	0.1767	6.5544	0.1471	0	-0.2068	-0.0598
982	11.9	11.7	6.3771	0	0.177	6.5541	0.142	0	-0.2218	-0.0798
983	12	11.8	6.3765	0	0.1774	6.5539	0.1363	0	-0.2373	-0.101
984	12.6	11.8	6.376	0	0.1783	6.5542	0.1336	0	-0.2437	-0.1101
985	11.9	11.9	6.3756	0	0.1777	6.5533	0.1357	0	-0.2531	-0.1174
986	11.9	11.9	6.3758	0	0.1782	6.5539	0.1355	0	-0.253	-0.1175
987	12	12	6.3762	0	0.1799	6.5561	0.1349	0	-0.2244	-0.0895
988	12	12.1	6.3769	0	0.1805	6.5574	0.1352	0	-0.219	-0.0838
989	11.8	12.1	6.3774	0	0.18	6.5574	0.1459	0	-0.2285	-0.0826
990	11.7	12.2	6.3774	0	0.1807	6.5581	0.1513	0	-0.2278	-0.0764

991	12.5	12.2	6.3776	0	0.1824	6.56	0.1525	0	-0.2165	-0.0639
992	12.8	12.2	6.3775	0	0.1823	6.5598	0.1509	0	-0.2032	-0.0524
993	12.5	12.2	6.3772	0	0.1824	6.5596	0.1526	0	-0.2077	-0.0551
994	12.3	12.2	6.3765	0	0.1814	6.558	0.1536	0	-0.2156	-0.062
995	12.2	12.2	6.3761	0	0.1823	6.5583	0.1542	0	-0.2111	-0.0569
996	12.6	12.1	6.3757	0	0.1818	6.5575	0.1571	0	-0.2095	-0.0524
997	12.7	12.1	6.3752	0	0.1815	6.5567	0.1576	0	-0.2131	-0.0556
998	12.2	12	6.3752	0	0.1818	6.557	0.156	0	-0.211	-0.055
999	12.2	12	6.3755	0	0.182	6.5575	0.1597	0	-0.2081	-0.0484
1000	12.2	12	6.3757	0	0.1814	6.5571	0.1599	0	-0.1978	-0.0378
1001	12.1	11.9	6.3757	0	0.1808	6.5565	0.1617	0	-0.1963	-0.0347
1002	12.2	11.9	6.3753	0	0.1805	6.5558	0.16	0	-0.1949	-0.0349
1003	12.1	11.8	6.3745	0	0.1796	6.5542	0.1616	0	-0.1854	-0.0237
1004	11.3	11.8	6.3738	0	0.1793	6.5531	0.1633	0	-0.1703	-0.007
1005	11.1	11.7	6.3736	0	0.1792	6.5528	0.1666	0	-0.1549	0.0117
1006	10.8	11.6	6.3729	0	0.1808	6.5537	0.1719	0	-0.146	0.0258
1007	11.2	11.5	6.3725	0	0.1817	6.5542	0.1755	0	-0.1455	0.03
1008	11.7	11.4	6.3723	0	0.1823	6.5546	0.1751	0	-0.1531	0.0219
1009	11.5	11.4	6.3719	0	0.1808	6.5527	0.1709	0	-0.1587	0.0121
1010	11.2	11.3	6.3716	0	0.179	6.5505	0.1585	0	-0.1596	-0.0011
1011	11.6	11.2	6.3712	0	0.1788	6.55	0.1657	0	-0.1082	0.0575
1012	11.8	11.1	6.3709	0	0.1796	6.5506	0.1754	0	-0.1464	0.029
1013	10.8	11	6.3708	0	0.1797	6.5505	0.1801	0	-0.1731	0.007
1014	10.9	11	6.3707	0	0.179	6.5497	0.1797	0	-0.1758	0.0039
1015	10.3	10.9	6.3699	0	0.1785	6.5484	0.1828	0	-0.1787	0.0041
1016	10.7	10.9	6.3691	0	0.179	6.5481	0.1897	0	-0.1659	0.0237
1017	10.9	10.9	6.3689	0	0.1783	6.5472	0.1968	0	-0.1525	0.0442
1018	11.3	10.8	6.3692	0	0.1785	6.5476	0.202	0	-0.1485	0.0535
1019	11.1	10.8	6.3695	0	0.179	6.5486	0.2007	0	-0.1309	0.0697
1020	10.9	10.8	6.3694	0	0.18	6.5494	0.1942	0	-0.1431	0.051
1021	10.5	10.8	6.369	0	0.1813	6.5502	0.1962	0	-0.1438	0.0523
1022	9.99	10.8	6.3688	0	0.1821	6.5509	0.2059	0	-0.1686	0.0373
1023	10.2	10.8	6.3689	0	0.1827	6.5516	0.2067	0	-0.1739	0.0328
1024	10.2	10.9	6.3689	0	0.1841	6.553	0.2124	0	-0.1642	0.0482
1025	10.9	10.9	6.3689	0	0.1845	6.5534	0.2174	0	-0.1654	0.052
1026	9.91	11	6.3689	0	0.1865	6.5554	0.223	0	-0.1705	0.0525
1027	11	11	6.3684	0	0.1878	6.5562	0.2283	0	-0.1686	0.0597

1028	10.5	11	6.368	0	0.1873	6.5553	0.2303	0	-0.165	0.0653
1029	10.9	11	6.3679	0	0.1873	6.5552	0.2344	0	-0.1683	0.0661
1030	11.7	11	6.3681	0	0.1874	6.5555	0.2437	0	-0.1767	0.067
1031	11.6	11	6.3682	0	0.1874	6.5556	0.2458	0	-0.1761	0.0697
1032	11.7	11.1	6.3682	0	0.1876	6.5557	0.2443	0	-0.1766	0.0678
1033	12.1	11.1	6.3678	0	0.1886	6.5564	0.2372	0	-0.1723	0.0649
1034	11.7	11.2	6.3672	0	0.1903	6.5576	0.2321	0	-0.1654	0.0667
1035	11.6	11.2	6.367	0	0.1904	6.5573	0.2294	0	-0.153	0.0765
1036	11.3	11.2	6.3667	0	0.1882	6.5549	0.2259	0	-0.1399	0.086
1037	10.9	11.2	6.3666	0	0.1878	6.5544	0.2267	0	-0.1304	0.0963
1038	11.3	11.2	6.3659	0	0.1889	6.5548	0.2333	0	-0.1217	0.1116
1039	11	11.2	6.3657	0	0.1887	6.5544	0.246	0	-0.1086	0.1374
1040	11.2	11.1	6.3655	0	0.1881	6.5536	0.2546	0	-0.1057	0.1489
1041	10.9	11.1	6.3654	0	0.1878	6.5532	0.2601	0	-0.0928	0.1672
1042	11.2	11.1	6.3651	0	0.1884	6.5535	0.2627	0	-0.0792	0.1836
1043	11.2	11	6.3648	0	0.1887	6.5535	0.2643	0	-0.0788	0.1855
1044	10.7	11	6.3644	0	0.1885	6.553	0.2624	0	-0.0817	0.1807
1045	10.4	11	6.3641	0	0.1887	6.5528	0.257	0	-0.0898	0.1672
1046	10.6	11	6.3639	0	0.1883	6.5523	0.252	0	-0.0783	0.1736
1047	11.3	11	6.364	0	0.188	6.552	0.2494	0	-0.0752	0.1742
1048	10.4	11	6.3633	0	0.1884	6.5517	0.2462	0	-0.0766	0.1695
1049	10.5	11	6.3632	0	0.187	6.5502	0.2458	0	-0.0846	0.1612
1050	11	10.9	6.3625	0	0.1872	6.5497	0.2476	0	-0.0963	0.1513
1051	11.2	10.9	6.3624	0	0.1866	6.549	0.2523	0	-0.1041	0.1482
1052	11.2	10.8	6.3619	0	0.1855	6.5475	0.249	0	-0.1189	0.13
1053	10.9	10.8	6.3612	0	0.1853	6.5465	0.2484	0	-0.1219	0.1266
1054	10.9	10.8	6.3607	0	0.1855	6.5462	0.2406	0	-0.1471	0.0935
1055	11.3	10.8	6.3602	0	0.1849	6.545	0.2321	0	-0.1477	0.0845
1056	11.4	10.8	6.3596	0	0.1842	6.5438	0.23	0	-0.1784	0.0516
1057	11.6	10.8	6.3592	0	0.1849	6.5441	0.2227	0	-0.1741	0.0486
1058	10.3	10.8	6.359	0	0.1848	6.5438	0.2188	0	-0.1468	0.072
1059	10.4	10.8	6.3593	0	0.1851	6.5444	0.2171	0	-0.1418	0.0753
1060	10.1	10.7	6.3591	0	0.179	6.5382	0.2152	0	-0.1758	0.0394
1061	10.4	10.7	6.3587	0	0.1837	6.5424	0.2126	0	-0.2143	-0.0018
1062	10.4	10.7	6.3585	0	0.1858	6.5443	0.2104	0	-0.2182	-0.0078
1063	10.7	10.7	6.3585	0	0.186	6.5444	0.2091	0	-0.2123	-0.0032
1064	10.5	10.7	6.3582	0	0.1865	6.5448	0.2095	0	-0.2117	-0.0022

1065	10.5	10.7	6.3577	0	0.1868	6.5445	0.2083	0	-0.2194	-0.0111
1066	10.8	10.7	6.3571	0	0.1865	6.5436	0.2011	0	-0.2221	-0.021
1067	10.5	10.7	6.3565	0	0.186	6.5426	0.1982	0	-0.2107	-0.0125
1068	10.6	10.8	6.3563	0	0.1847	6.541	0.2032	0	-0.2109	-0.0077
1069	10.4	10.8	6.3565	0	0.1863	6.5428	0.2098	0	-0.201	0.0088
1070	10.4	10.9	6.3563	0	0.1869	6.5432	0.2163	0	-0.1885	0.0278
1071	11.3	10.9	6.3555	0	0.1886	6.5441	0.2169	0	-0.1799	0.0369
1072	10.8	10.9	6.3552	0	0.1898	6.5451	0.2055	0	-0.1554	0.0501
1073	10.9	11	6.3549	0	0.1905	6.5454	0.1961	0	-0.1528	0.0433
1074	11	11	6.3546	0	0.1912	6.5458	0.2002	0	-0.1482	0.0519
1075	11.2	11.1	6.3542	0	0.1922	6.5464	0.207	0	-0.1359	0.0711
1076	11.5	11.1	6.354	0	0.1928	6.5468	0.2116	0	-0.1324	0.0792
1077	11.8	11.1	6.354	0	0.1932	6.5472	0.2107	0	-0.1087	0.102
1078	11.6	11.2	6.3538	0	0.1942	6.548	0.2018	0	-0.0912	0.1105
1079	11	11.2	6.3533	0	0.1951	6.5484	0.1951	0	-0.0957	0.0993
1080	11.1	11.3	6.3532	0	0.1943	6.5475	0.1945	0	-0.0913	0.1031
1081	11.3	11.3	6.3532	0	0.1944	6.5476	0.2011	0	-0.0822	0.1189
1082	11.4	11.3	6.3534	0	0.1942	6.5476	0.2085	0	-0.0811	0.1274
1083	11.5	11.3	6.3533	0	0.1939	6.5472	0.2194	0	-0.0653	0.1541
1084	11.2	11.3	6.353	0	0.1935	6.5466	0.2088	0	-0.0559	0.1529
1085	11.2	11.3	6.353	0	0.1917	6.5447	0.1947	0	-0.0436	0.1511
1086	11.5	11.3	6.3531	0	0.1912	6.5443	0.1913	0	-0.0455	0.1457
1087	11.5	11.2	6.3529	0	0.1921	6.5449	0.1877	0	-0.0557	0.132
1088	11.2	11.2	6.3523	0	0.1914	6.5437	0.1871	0	-0.0497	0.1374
1089	11.4	11.2	6.3519	0	0.1906	6.5425	0.1841	0	-0.0356	0.1485
1090	11.6	11.1	6.3514	0	0.19	6.5414	0.1891	0	-0.0366	0.1525
1091	10.9	11.1	6.3513	0	0.1903	6.5416	0.1922	0	-0.0437	0.1485
1092	10.8	11	6.351	0	0.1902	6.5412	0.1918	0	-0.052	0.1398
1093	11.1	11	6.3509	0	0.1906	6.5415	0.1887	0	-0.0498	0.1389
1094	11	10.9	6.3508	0	0.1904	6.5412	0.1877	0	-0.0516	0.1361
1095	10.9	10.9	6.3509	0	0.1901	6.541	0.1844	0	-0.0739	0.1105
1096	11	10.8	6.3507	0	0.1894	6.5401	0.1805	0	-0.0773	0.1032
1097	11.3	10.7	6.3506	0	0.1892	6.5397	0.174	0	-0.0928	0.0812
1098	11	10.6	6.3506	0	0.1903	6.5409	0.1648	0	-0.1087	0.0561
1099	10.2	10.6	6.3507	0	0.1916	6.5423	0.1564	0	-0.1151	0.0413
1100	10.2	10.5	6.3505	0	0.1918	6.5423	0.1613	0	-0.1397	0.0216
1101	10.4	10.5	6.3508	0	0.1927	6.5435	0.1617	0	-0.1444	0.0174

1102	10.1	10.5	6.3504	0	0.1927	6.5431	0.1667	0	-0.1479	0.0188
1103	10.4	10.5	6.3505	0	0.1943	6.5448	0.1691	0	-0.1565	0.0126
1104	10	10.5	6.3506	0	0.1941	6.5446	0.1709	0	-0.1582	0.0128
1105	9.7	10.6	6.3506	0	0.197	6.5476	0.1699	0	-0.1582	0.0117
1106	9.74	10.5	6.3506	0	0.1982	6.5488	0.172	0	-0.1606	0.0114
1107	9.95	10.5	6.3506	0	0.1964	6.547	0.1743	0	-0.1618	0.0125
1108	10.2	10.5	6.3506	0	0.1965	6.547	0.1768	0	-0.1689	0.0079
1109	11	10.6	6.3504	0	0.1984	6.5488	0.1817	0	-0.1832	-0.0015
1110	11.4	10.6	6.3503	0	0.2004	6.5507	0.1914	0	-0.1779	0.0135
1111	10.6	10.7	6.3502	0	0.2006	6.5508	0.1942	0	-0.2322	-0.0381
1112	10.9	10.7	6.35	0	0.2009	6.5509	0.1945	0	-0.1849	0.0096
1113	11.2	10.7	6.3498	0	0.2009	6.5507	0.1987	0	-0.1607	0.038
1114	11.3	10.8	6.3499	0	0.201	6.5508	0.2018	0	-0.1515	0.0503
1115	10.7	10.8	6.3498	0	0.2007	6.5505	0.201	0	-0.1348	0.0662
1116	10.6	10.9	6.3493	0	0.2001	6.5494	0.2004	0	-0.1319	0.0685
1117	11	11	6.3486	0	0.1994	6.548	0.1952	0	-0.1316	0.0636
1118	11.2	11	6.3482	0	0.1986	6.5468	0.196	0	-0.1339	0.0621
1119	11.4	11	6.3479	0	0.1979	6.5458	0.1961	0	-0.1477	0.0484
1120	11	11	6.3477	0	0.198	6.5457	0.1998	0	-0.1302	0.0695
1121	11.2	11	6.3484	0	0.1968	6.5452	0.1952	0	-0.1285	0.0667
1122	10.9	11.1	6.3492	0	0.1973	6.5466	0.184	0	-0.1115	0.0725
1123	10.8	11.1	6.3489	0	0.1975	6.5464	0.1851	0	-0.0947	0.0904
1124	10.9	11.1	6.3482	0	0.1976	6.5459	0.1884	0	-0.0898	0.0986
1125	11.3	11.2	6.3477	0	0.1978	6.5455	0.1863	0	-0.0863	0.1
1126	11.2	11.2	6.3478	0	0.1973	6.5452	0.1837	0	-0.0787	0.105
1127	11	11.2	6.3482	0	0.197	6.5451	0.1859	0	-0.0663	0.1195
1128	11.2	11.2	6.3485	0	0.1969	6.5453	0.1866	0	-0.0694	0.1172
1129	11.1	11.1	6.3485	0	0.1964	6.5449	0.185	0	-0.0763	0.1086
1130	11	11.1	6.348	0	0.1956	6.5436	0.1813	0	-0.073	0.1082
1131	11.4	11	6.3473	0	0.1955	6.5429	0.1822	0	-0.0766	0.1056
1132	11.3	11	6.3462	0	0.1941	6.5403	0.1835	0	-0.0791	0.1044
1133	11.7	10.9	6.3469	0	0.1942	6.5411	0.1852	0	-0.088	0.0972
1134	11.8	10.9	6.3478	0	0.1947	6.5425	0.1852	0	-0.0922	0.093
1135	11.3	10.8	6.3478	0	0.1949	6.5428	0.1847	0	-0.0955	0.0891
1136	10.8	10.7	6.3479	0	0.1937	6.5417	0.1851	0	-0.1108	0.0743
1137	10.7	10.7	6.3479	0	0.1928	6.5407	0.1859	0	-0.122	0.064
1138	10.6	10.6	6.3475	0	0.1925	6.54	0.1816	0	-0.1144	0.0672

1139	10.1	10.6	6.3468	0	0.1924	6.5392	0.1777	0	-0.1256	0.0521
1140	9.8	10.5	6.3463	0	0.1925	6.5387	0.1747	0	-0.1312	0.0435
1141	10.2	10.4	6.3462	0	0.193	6.5392	0.1719	0	-0.139	0.0329
1142	10.1	10.4	6.3463	0	0.1934	6.5396	0.1731	0	-0.1479	0.0252
1143	9.74	10.3	6.346	0	0.1939	6.5399	0.1744	0	-0.1609	0.0135
1144	9.76	10.2	6.346	0	0.1959	6.5419	0.1786	0	-0.1623	0.0162
1145	10.5	10.1	6.346	0	0.1964	6.5424	0.1807	0	-0.1595	0.0212
1146	10.1	10.2	6.3465	0	0.1976	6.5441	0.1824	0	-0.144	0.0384
1147	9.93	10.2	6.3475	0	0.1989	6.5464	0.1795	0	-0.1524	0.0271
1148	9.74	10.2	6.3477	0	0.1999	6.5476	0.1776	0	-0.1384	0.0391
1149	9.61	10.3	6.3471	0	0.201	6.548	0.1773	0	-0.1345	0.0428
1150	9.99	10.4	6.3463	0	0.2016	6.548	0.1748	0	-0.1091	0.0656
1151	10.4	10.5	6.3457	0	0.2014	6.5471	0.1644	0	-0.1121	0.0522
1152	10.1	10.5	6.345	0	0.2012	6.5462	0.1596	0	-0.1044	0.0552
1153	9.93	10.6	6.3442	0	0.2011	6.5453	0.1525	0	-0.0932	0.0593
1154	10.7	10.7	6.3437	0	0.2013	6.545	0.1546	0	-0.0795	0.0751
1155	11.3	10.7	6.343	0	0.2009	6.5439	0.1608	0	-0.0893	0.0715
1156	10.9	10.8	6.3422	0	0.2004	6.5426	0.1656	0	-0.0524	0.1132
1157	11.2	10.9	6.3415	0	0.2018	6.5433	0.1702	0	-0.0471	0.1232
1158	11.3	10.9	6.3408	0	0.2031	6.544	0.1765	0	-0.0799	0.0966
1159	11.7	11	6.3402	0	0.2029	6.543	0.1832	0	-0.0801	0.1031
1160	11.5	11	6.3397	0	0.2023	6.542	0.1829	0	-0.0713	0.1115
1161	11	11.1	6.3393	0	0.2022	6.5414	0.1876	0	-0.063	0.1245
1162	11.2	11.1	6.3386	0	0.2019	6.5405	0.1895	0	-0.0709	0.1187
1163	11.6	11.2	6.3383	0	0.2011	6.5394	0.189	0	-0.0751	0.114
1164	11.9	11.1	6.3381	0	0.2	6.5381	0.1898	0	-0.0821	0.1077
1165	11.2	11.1	6.3377	0	0.2	6.5377	0.1912	0	-0.0868	0.1044
1166	11.1	11.1	6.3376	0	0.1996	6.5372	0.1923	0	-0.0835	0.1088
1167	11.1	11	6.3369	0	0.1994	6.5364	0.1896	0	-0.0976	0.092
1168	10.4	11	6.3367	0	0.1995	6.5362	0.182	0	-0.1013	0.0808
1169	11	10.9	6.3365	0	0.1994	6.5359	0.1718	0	-0.1157	0.0562
1170	11.4	10.9	6.3368	0	0.1997	6.5365	0.1706	0	-0.144	0.0266
1171	11	10.8	6.3371	0	0.1997	6.5368	0.1725	0	-0.1434	0.0291
1172	10.5	10.7	6.3367	0	0.1993	6.536	0.1818	0	-0.1501	0.0317
1173	10.3	10.7	6.3361	0	0.1994	6.5355	0.1875	0	-0.1376	0.0499
1174	10.4	10.6	6.336	0	0.1999	6.5358	0.1787	0	-0.1295	0.0492
1175	10.5	10.5	6.3359	0	0.2	6.5359	0.167	0	-0.1245	0.0425

1176	10.7	10.5	6.3354	0	0.1994	6.5348	0.1627	0	-0.119	0.0437
1177	10.5	10.5	6.3353	0	0.2002	6.5355	0.1706	0	-0.1123	0.0583
1178	10.3	10.5	6.3353	0	0.2018	6.5371	0.1764	0	-0.1249	0.0515
1179	10.3	10.5	6.3352	0	0.2024	6.5376	0.1846	0	-0.1186	0.0661
1180	10	10.4	6.335	0	0.202	6.5369	0.1872	0	-0.127	0.0602
1181	9.97	10.4	6.3348	0	0.2023	6.5372	0.1836	0	-0.1414	0.0422
1182	10.2	10.4	6.3348	0	0.203	6.5379	0.1796	0	-0.1481	0.0315
1183	10.3	10.4	6.3348	0	0.2031	6.5379	0.1735	0	-0.1615	0.012
1184	10.3	10.5	6.3346	0	0.2031	6.5377	0.1877	0	-0.1537	0.034
1185	10.1	10.5	6.3345	0	0.2028	6.5373	0.2009	0	-0.1435	0.0574
1186	11	10.4	6.3345	0	0.2034	6.5379	0.206	0	-0.1476	0.0583
1187	11.2	10.4	6.3347	0	0.2035	6.5382	0.211	0	-0.1726	0.0384
1188	10.5	10.4	6.3345	0	0.2039	6.5385	0.204	0	-0.18	0.024
1189	10.5	10.4	6.3344	0	0.2037	6.5381	0.1842	0	-0.1876	-0.0034
1190	10.6	10.4	6.3342	0	0.2039	6.5381	0.1684	0	-0.2	-0.0316
1191	10.6	10.5	6.334	0	0.2051	6.5391	0.1645	0	-0.1879	-0.0235
1192	10.7	10.5	6.3336	0	0.2063	6.5399	0.165	0	-0.1703	-0.0053
1193	10.6	10.5	6.3331	0	0.2068	6.5399	0.1697	0	-0.1634	0.0064
1194	10.4	10.5	6.3328	0	0.2064	6.5391	0.1707	0	-0.1653	0.0054
1195	10.5	10.5	6.3326	0	0.2045	6.5371	0.1739	0	-0.1612	0.0127
1196	9.64	10.5	6.3328	0	0.2046	6.5374	0.1749	0	-0.1651	0.0098
1197	10.2	10.4	6.3328	0	0.203	6.5358	0.1812	0	-0.1478	0.0334
1198	10.1	10.4	6.3329	0	0.2037	6.5366	0.2003	0	-0.1323	0.068
1199	10.6	10.4	6.3332	0	0.2025	6.5358	0.2107	0	-0.1246	0.0861
1200	10.9	10.4	6.334	0	0.2031	6.5371	0.2138	0	-0.1194	0.0943
1201	10.3	10.4	6.3348	0	0.2031	6.538	0.2117	0	-0.1082	0.1035
1202	9.97	10.3	6.3352	0	0.202	6.5372	0.2085	0	-0.1189	0.0896
1203	10.4	10.3	6.335	0	0.2023	6.5373	0.2058	0	-0.1346	0.0712
1204	10.5	10.3	6.3345	0	0.203	6.5375	0.201	0	-0.1243	0.0767
1205	10.4	10.3	6.334	0	0.2023	6.5363	0.2017	0	-0.1125	0.0893
1206	10.5	10.4	6.3336	0	0.203	6.5365	0.199	0	-0.1104	0.0885
1207	10.7	10.4	6.333	0	0.2044	6.5373	0.1922	0	-0.1111	0.0811
1208	10.5	10.4	6.3322	0	0.2045	6.5367	0.1843	0	-0.1067	0.0776
1209	10.3	10.3	6.3321	0	0.2055	6.5376	0.1767	0	-0.1093	0.0674
1210	9.72	10.3	6.3315	0	0.2067	6.5382	0.1702	0	-0.1151	0.0552
1211	10	10.3	6.3313	0	0.2077	6.5389	0.1621	0	-0.1195	0.0426
1212	10.4	10.3	6.3311	0	0.2084	6.5395	0.1567	0	-0.115	0.0417

1213	10.5	10.3	6.3309	0	0.2091	6.54	0.1491	0	-0.108	0.0411
1214	10.8	10.3	6.3307	0	0.2096	6.5404	0.1436	0	-0.1152	0.0284
1215	10.2	10.3	6.3306	0	0.2091	6.5396	0.1427	0	-0.1316	0.0112
1216	10	10.3	6.3303	0	0.2099	6.5402	0.1395	0	-0.1387	0.0009
1217	9.96	10.3	6.3304	0	0.2095	6.5399	0.1381	0	-0.1448	-0.0067
1218	10.4	10.3	6.331	0	0.2101	6.5411	0.133	0	-0.1414	-0.0084
1219	10.8	10.4	6.3309	0	0.2123	6.5431	0.1368	0	-0.1342	0.0025
1220	10.5	10.5	6.3304	0	0.2124	6.5428	0.1391	0	-0.1353	0.0038
1221	9.9	10.5	6.3302	0	0.2118	6.5421	0.1464	0	-0.1317	0.0147
1222	9.79	10.5	6.3305	0	0.2111	6.5416	0.154	0	-0.1328	0.0212
1223	10.1	10.6	6.331	0	0.2104	6.5414	0.1513	0	-0.1636	-0.0123
1224	10.3	10.6	6.3315	0	0.2101	6.5416	0.1472	0	-0.131	0.0162
1225	10.4	10.6	6.3315	0	0.2097	6.5411	0.1476	0	-0.1536	-0.006
1226	10.8	10.7	6.3308	0	0.2086	6.5393	0.1473	0	-0.1671	-0.0198
1227	11.5	10.7	6.3306	0	0.2094	6.54	0.1454	0	-0.1837	-0.0383
1228	11.1	10.8	6.33	0	0.2087	6.5387	0.1475	0	-0.1822	-0.0347
1229	11.2	10.7	6.3297	0	0.2091	6.5389	0.1494	0	-0.166	-0.0167
1230	11.3	10.8	6.3296	0	0.2098	6.5394	0.15	0	-0.1643	-0.0143
1231	11	10.9	6.3294	0	0.2103	6.5397	0.1524	0	-0.1729	-0.0206
1232	11.2	10.9	6.3289	0	0.2103	6.5391	0.1538	0	-0.1672	-0.0135
1233	11.1	11	6.3282	0	0.2096	6.5377	0.1564	0	-0.1517	0.0047
1234	10.7	11	6.3277	0	0.2091	6.5367	0.1597	0	-0.1552	0.0045
1235	10.7	11	6.3272	0	0.2097	6.5369	0.1578	0	-0.1585	-0.0007
1236	10.9	11	6.3268	0	0.211	6.5378	0.1528	0	-0.1572	-0.0045
1237	11.1	10.9	6.3275	0	0.2108	6.5383	0.1499	0	-0.1526	-0.0027
1238	10.7	10.9	6.3291	0	0.2113	6.5403	0.1499	0	-0.1515	-0.0017
1239	10.9	10.9	6.33	0	0.2124	6.5423	0.1477	0	-0.1468	0.0009
1240	11.5	10.9	6.3298	0	0.2113	6.5411	0.1479	0	-0.1497	-0.0018
1241	11.3	10.9	6.3297	0	0.21	6.5397	0.1468	0	-0.1379	0.009
1242	10.7	10.9	6.3293	0	0.2097	6.539	0.1436	0	-0.1087	0.0349
1243	10.6	10.8	6.3289	0	0.2104	6.5394	0.1379	0	-0.0933	0.0446
1244	10.7	10.8	6.3286	0	0.212	6.5407	0.1326	0	-0.0627	0.0699
1245	10.5	10.8	6.3285	0	0.2129	6.5415	0.1279	0	-0.0823	0.0456
1246	10.5	10.8	6.3284	0	0.2124	6.5408	0.1153	0	-0.1017	0.0136
1247	10.9	10.8	6.3274	0	0.2121	6.5396	0.1038	0	-0.1067	-0.0029
1248	11	10.8	6.3266	0	0.2124	6.539	0.0944	0	-0.127	-0.0326
1249	11	10.8	6.3257	0	0.2129	6.5386	0.0947	0	-0.1341	-0.0393

1250	11.1	10.7	6.3252	0	0.2124	6.5376	0.1043	0	-0.1639	-0.0596
1251	10.5	10.7	6.3249	0	0.2133	6.5382	0.1182	0	-0.1572	-0.039
1252	10.3	10.7	6.3244	0	0.2146	6.5391	0.133	0	-0.1626	-0.0296
1253	10.4	10.7	6.3241	0	0.2136	6.5376	0.1402	0	-0.1795	-0.0393
1254	10.4	10.6	6.3235	0	0.2125	6.5361	0.141	0	-0.1883	-0.0473
1255	10.6	10.6	6.3231	0	0.212	6.535	0.1376	0	-0.1822	-0.0445
1256	11.1	10.6	6.3229	0	0.2115	6.5344	0.1334	0	-0.1989	-0.0655
1257	10.9	10.6	6.3231	0	0.2124	6.5355	0.1301	0	-0.2026	-0.0725
1258	10.5	10.5	6.3232	0	0.2141	6.5373	0.1256	0	-0.1889	-0.0632
1259	10.9	10.5	6.3231	0	0.2144	6.5375	0.1207	0	-0.1883	-0.0675
1260	10.2	10.4	6.3235	0	0.2142	6.5377	0.1218	0	-0.1947	-0.0729
1261	11.1	10.4	6.3236	0	0.2137	6.5373	0.1174	0	-0.1994	-0.082
1262	10.3	10.4	6.3237	0	0.2127	6.5364	0.115	0	-0.1784	-0.0634
1263	10.1	10.4	6.3239	0	0.2126	6.5366	0.1169	0	-0.1718	-0.0549
1264	10.3	10.4	6.3239	0	0.2132	6.537	0.1215	0	-0.157	-0.0354
1265	10.5	10.3	6.3237	0	0.2139	6.5376	0.1241	0	-0.1488	-0.0248
1266	10.2	10.3	6.3238	0	0.2141	6.5379	0.1233	0	-0.1479	-0.0246
1267	9.8	10.2	6.3236	0	0.2136	6.5372	0.1211	0	-0.1425	-0.0214
1268	9.9	10.2	6.323	0	0.2129	6.5359	0.1214	0	-0.1527	-0.0314
1269	9.79	10.1	6.3226	0	0.2129	6.5355	0.1298	0	-0.1513	-0.0215
1270	10	10.1	6.3221	0	0.2129	6.5351	0.1323	0	-0.1337	-0.0014
1271	10.5	10.1	6.3217	0	0.213	6.5347	0.1335	0	-0.1336	-0.0001
1272	10.2	10	6.3216	0	0.2157	6.5373	0.1392	0	-0.1325	0.0067
1273	10.3	10	6.3214	0	0.2125	6.5339	0.1486	0	-0.1404	0.0082
1274	9.99	10.1	6.3212	0	0.2152	6.5364	0.1632	0	-0.1679	-0.0046
1275	9.84	10	6.3211	0	0.2168	6.5379	0.1691	0	-0.1622	0.0068
1276	9.8	10	6.3209	0	0.2178	6.5387	0.1722	0	-0.1637	0.0085
1277	10	10.1	6.3206	0	0.2184	6.539	0.1594	0	-0.1986	-0.0392
1278	10	10.1	6.3204	0	0.2184	6.5388	0.1464	0	-0.1833	-0.0369
1279	9.66	10.2	6.3202	0	0.2189	6.539	0.1334	0	-0.1873	-0.0539
1280	10.2	10.2	6.3197	0	0.2193	6.539	0.1257	0	-0.1819	-0.0562
1281	9.69	10.2	6.3195	0	0.219	6.5385	0.127	0	-0.1778	-0.0508
1282	10.1	10.2	6.3192	0	0.2182	6.5374	0.1344	0	-0.1698	-0.0354
1283	10.6	10.2	6.3188	0	0.2187	6.5375	0.1367	0	-0.1529	-0.0161
1284	10.1	10.2	6.3188	0	0.2189	6.5377	0.1327	0	-0.1539	-0.0211
1285	10.4	10.2	6.3192	0	0.2185	6.5377	0.1277	0	-0.1669	-0.0393
1286	10.5	10.2	6.3195	0	0.2187	6.5382	0.1249	0	-0.1522	-0.0274

1287	10.9	10.2	6.3197	0	0.2186	6.5383	0.1185	0	-0.1247	-0.0062
1288	10.7	10.2	6.3198	0	0.2186	6.5384	0.1114	0	-0.1158	-0.0044
1289	9.87	10.2	6.3196	0	0.2187	6.5383	0.1106	0	-0.1173	-0.0067
1290	10.1	10.2	6.3195	0	0.2177	6.5372	0.1037	0	-0.118	-0.0143
1291	10.4	10.2	6.3196	0	0.216	6.5356	0.0912	0	-0.1292	-0.0381
1292	10.4	10.2	6.3198	0	0.2156	6.5354	0.0951	0	-0.1354	-0.0404
1293	9.83	10.2	6.3198	0	0.2131	6.5329	0.1022	0	-0.1333	-0.0311
1294	9.69	10.2	6.32	0	0.2146	6.5346	0.1081	0	-0.1285	-0.0204
1295	9.94	10.2	6.3211	0	0.2147	6.5358	0.114	0	-0.1241	-0.0101
1296	10.3	10.2	6.3224	0	0.2153	6.5377	0.1173	0	-0.1158	0.0015
1297	10.2	10.2	6.3234	0	0.2157	6.5391	0.1212	0	-0.1239	-0.0027
1298	10	10.1	6.3234	0	0.2171	6.5406	0.1152	0	-0.1288	-0.0136
1299	10	10.1	6.3228	0	0.2189	6.5417	0.1111	0	-0.1289	-0.0179
1300	9.78	10.1	6.3222	0	0.2188	6.541	0.1046	0	-0.1212	-0.0166
1301	10.3	10	6.3215	0	0.2194	6.5409	0.0966	0	-0.1223	-0.0256
1302	10.1	10	6.3212	0	0.22	6.5412	0.0858	0	-0.1187	-0.0328
1303	10.7	10	6.3209	0	0.2211	6.542	0.0695	0	-0.0947	-0.0252
1304	10.7	10.1	6.3207	0	0.2212	6.5419	0.0576	0	-0.0985	-0.0409
1305	10.2	10.1	6.3207	0	0.2222	6.5429	0.0587	0	-0.1076	-0.0489
1306	9.7	10.1	6.3206	0	0.2232	6.5438	0.0604	0	-0.1059	-0.0454
1307	9.68	10.1	6.3204	0	0.2233	6.5437	0.0684	0	-0.1104	-0.042
1308	9.89	10.1	6.3202	0	0.2233	6.5435	0.0804	0	-0.0877	-0.0073
1309	9.84	10.2	6.3199	0	0.225	6.5449	0.0887	0	-0.077	0.0117
1310	9.68	10.2	6.3198	0	0.2267	6.5465	0.0922	0	-0.0969	-0.0047
1311	10	10.2	6.3198	0	0.2255	6.5453	0.0963	0	-0.117	-0.0207
1312	10.2	10.3	6.3194	0	0.2255	6.545	0.0944	0	-0.1319	-0.0375
1313	10.4	10.3	6.3187	0	0.2248	6.5435	0.0976	0	-0.1592	-0.0616
1314	10.2	10.2	6.3183	0	0.2245	6.5429	0.1046	0	-0.1608	-0.0562
1315	10.1	10.2	6.3182	0	0.2239	6.5421	0.1094	0	-0.1593	-0.0498
1316	10.3	10.2	6.3182	0	0.2241	6.5423	0.1128	0	-0.1559	-0.0431
1317	10.4	10.3	6.3183	0	0.2248	6.543	0.1132	0	-0.169	-0.0558
1318	10.8	10.3	6.318	0	0.2253	6.5433	0.1119	0	-0.1845	-0.0725
1319	11.1	10.3	6.3176	0	0.2257	6.5433	0.1094	0	-0.2079	-0.0985
1320	10.6	10.4	6.3171	0	0.2257	6.5428	0.1103	0	-0.2132	-0.1029
1321	10.3	10.5	6.3163	0	0.2251	6.5414	0.1117	0	-0.2071	-0.0954
1322	10.6	10.5	6.3156	0	0.2252	6.5408	0.1124	0	-0.2046	-0.0922
1323	10.2	10.5	6.3147	0	0.2272	6.5419	0.1158	0	-0.1791	-0.0632

1324	10.1	10.5	6.3146	0	0.2263	6.5409	0.1167	0	-0.2184	-0.1017
1325	9.95	10.5	6.3143	0	0.226	6.5403	0.1172	0	-0.1998	-0.0825
1326	10.6	10.5	6.3148	0	0.2284	6.5433	0.1199	0	-0.1782	-0.0583
1327	10.6	10.5	6.3159	0	0.2278	6.5437	0.1194	0	-0.1671	-0.0477
1328	10.3	10.5	6.3167	0	0.2274	6.5441	0.1123	0	-0.1638	-0.0515
1329	10.7	10.4	6.3172	0	0.2273	6.5445	0.1061	0	-0.1614	-0.0553
1330	11	10.4	6.3169	0	0.2275	6.5445	0.0953	0	-0.1554	-0.06
1331	10.7	10.4	6.316	0	0.2273	6.5433	0.0832	0	-0.1547	-0.0716
1332	10.5	10.4	6.3152	0	0.2255	6.5407	0.0787	0	-0.1637	-0.085
1333	10.1	10.4	6.3149	0	0.225	6.5399	0.0749	0	-0.1763	-0.1014
1334	10.3	10.4	6.3149	0	0.2258	6.5407	0.068	0	-0.1739	-0.106
1335	10.4	10.5	6.3147	0	0.2249	6.5397	0.0722	0	-0.174	-0.1018
1336	10.2	10.5	6.315	0	0.2235	6.5384	0.08	0	-0.1657	-0.0857
1337	10.4	10.5	6.3163	0	0.2224	6.5387	0.0925	0	-0.1836	-0.0911
1338	10.2	10.5	6.318	0	0.223	6.541	0.1005	0	-0.168	-0.0675
1339	9.76	10.4	6.3196	0	0.2242	6.5438	0.1032	0	-0.1528	-0.0495
1340	10.1	10.4	6.3207	0	0.2242	6.5449	0.1051	0	-0.1561	-0.051
1341	10.7	10.4	6.3202	0	0.2235	6.5438	0.1071	0	-0.1724	-0.0653
1342	10.3	10.4	6.3191	0	0.223	6.5421	0.1093	0	-0.1924	-0.0831
1343	10.9	10.4	6.3181	0	0.2233	6.5414	0.1099	0	-0.1996	-0.0897
1344	11	10.4	6.3172	0	0.2245	6.5417	0.1072	0	-0.2236	-0.1164
1345	10.5	10.3	6.3168	0	0.2245	6.5413	0.1096	0	-0.2164	-0.1068
1346	10.7	10.3	6.3163	0	0.2248	6.5411	0.1199	0	-0.2182	-0.0983
1347	10.5	10.3	6.3159	0	0.225	6.5409	0.135	0	-0.2096	-0.0746
1348	10.2	10.2	6.3155	0	0.2252	6.5408	0.1462	0	-0.2066	-0.0604
1349	10.1	10.3	6.3152	0	0.225	6.5403	0.152	0	-0.1911	-0.0391
1350	10.2	10.3	6.3155	0	0.2247	6.5402	0.1492	0	-0.1789	-0.0297
1351	10.5	10.3	6.3163	0	0.2252	6.5414	0.1419	0	-0.1796	-0.0376
1352	9.99	10.2	6.3175	0	0.2241	6.5416	0.1346	0	-0.1699	-0.0353
1353	10.2	10.2	6.3183	0	0.2234	6.5417	0.1372	0	-0.1638	-0.0266
1354	9.62	10.1	6.3177	0	0.2233	6.541	0.1452	0	-0.1502	-0.005
1355	9.7	10.1	6.317	0	0.2226	6.5396	0.1432	0	-0.1559	-0.0127
1356	9.9	10	6.3161	0	0.2225	6.5386	0.1419	0	-0.1453	-0.0034
1357	9.85	10	6.315	0	0.2212	6.5362	0.1343	0	-0.1331	0.0012
1358	10.3	10	6.3143	0	0.2218	6.5361	0.1247	0	-0.1243	0.0004
1359	10.5	10	6.3139	0	0.2241	6.538	0.1144	0	-0.1128	0.0016
1360	10.1	10	6.3139	0	0.2259	6.5398	0.1104	0	-0.0922	0.0182

1361	9.96	9.99	6.3142	0	0.2268	6.541	0.112	0	-0.072	0.0399
1362	9.82	9.99	6.3139	0	0.2286	6.5425	0.1059	0	-0.0782	0.0277
1363	9.7	9.98	6.3135	0	0.2287	6.5422	0.0867	0	-0.084	0.0027
1364	9.96	10	6.3129	0	0.2291	6.542	0.0678	0	-0.1054	-0.0376
1365	9.92	10	6.3125	0	0.2294	6.5419	0.0582	0	-0.0914	-0.0332
1366	10.1	10	6.3125	0	0.231	6.5435	0.0482	0	-0.0962	-0.048
1367	10	10.1	6.3124	0	0.232	6.5444	0.0499	0	-0.0864	-0.0365
1368	10.2	10.1	6.3121	0	0.2337	6.5458	0.0637	0	-0.0841	-0.0204
1369	10.1	10.1	6.3116	0	0.2342	6.5458	0.0724	0	-0.0819	-0.0095
1370	9.9	10.1	6.311	0	0.2336	6.5446	0.077	0	-0.0893	-0.0123
1371	9.99	10.1	6.3105	0	0.2335	6.5439	0.0792	0	-0.0963	-0.0171
1372	10	10.2	6.31	0	0.2336	6.5436	0.0791	0	-0.1047	-0.0257
1373	10.3	10.2	6.3097	0	0.2344	6.5441	0.0788	0	-0.1069	-0.0281
1374	9.99	10.3	6.3095	0	0.2352	6.5447	0.0744	0	-0.0906	-0.0162
1375	9.89	10.3	6.3091	0	0.2346	6.5437	0.0783	0	-0.1004	-0.0221
1376	10.5	10.3	6.3089	0	0.2345	6.5434	0.0768	0	-0.111	-0.0342
1377	10.6	10.3	6.3093	0	0.2348	6.5441	0.0862	0	-0.0798	0.0064
1378	10.7	10.3	6.3097	0	0.2346	6.5443	0.098	0	-0.1014	-0.0034
1379	10.6	10.3	6.3106	0	0.2344	6.545	0.1096	0	-0.1089	0.0007
1380	10.4	10.3	6.3114	0	0.2347	6.5462	0.1136	0	-0.11	0.0036
1381	10.3	10.3	6.3116	0	0.2354	6.547	0.1096	0	-0.1058	0.0038
1382	10.4	10.4	6.3117	0	0.2358	6.5476	0.1011	0	-0.1101	-0.009
1383	10.9	10.4	6.312	0	0.236	6.5481	0.0962	0	-0.1319	-0.0357
1384	10.4	10.4	6.3116	0	0.2363	6.5479	0.096	0	-0.1404	-0.0445
1385	10.7	10.4	6.3112	0	0.2351	6.5463	0.0989	0	-0.1336	-0.0347
1386	10.2	10.4	6.3103	0	0.237	6.5473	0.1004	0	-0.137	-0.0365
1387	10	10.4	6.3096	0	0.2354	6.5451	0.1028	0	-0.1409	-0.0381
1388	9.9	10.4	6.3094	0	0.2339	6.5433	0.1193	0	-0.1709	-0.0516
1389	10.1	10.4	6.3091	0	0.2343	6.5434	0.1411	0	-0.1727	-0.0317
1390	10.2	10.4	6.3088	0	0.235	6.5438	0.1565	0	-0.1571	-0.0006
1391	10.6	10.4	6.3087	0	0.2352	6.5439	0.1644	0	-0.1584	0.006
1392	11.2	10.3	6.3088	0	0.2356	6.5444	0.1604	0	-0.1722	-0.0118
1393	10.4	10.3	6.3091	0	0.2355	6.5445	0.1512	0	-0.1788	-0.0276
1394	10.2	10.4	6.309	0	0.2362	6.5452	0.1433	0	-0.1693	-0.0261
1395	9.88	10.3	6.3091	0	0.2365	6.5456	0.1361	0	-0.1495	-0.0133
1396	10.6	10.3	6.3089	0	0.2362	6.5451	0.1324	0	-0.1469	-0.0145
1397	11.2	10.3	6.3087	0	0.2364	6.5451	0.1295	0	-0.1573	-0.0278

1398	10.2	10.3	6.3082	0	0.2363	6.5445	0.1213	0	-0.143	-0.0217
1399	9.8	10.3	6.3079	0	0.2368	6.5447	0.1162	0	-0.1254	-0.0092
1400	9.92	10.3	6.308	0	0.2367	6.5447	0.115	0	-0.1289	-0.014
1401	10.2	10.3	6.3081	0	0.2364	6.5445	0.1214	0	-0.1374	-0.016
1402	10.6	10.2	6.3075	0	0.2364	6.5438	0.1301	0	-0.1494	-0.0193
1403	11	10.2	6.3064	0	0.2361	6.5425	0.1399	0	-0.177	-0.0371
1404	9.98	10.2	6.3064	0	0.2368	6.5432	0.1431	0	-0.1976	-0.0545
1405	10.1	10.2	6.3065	0	0.2367	6.5432	0.1304	0	-0.2113	-0.0809
1406	9.89	10.2	6.3071	0	0.2365	6.5437	0.1182	0	-0.2279	-0.1097
1407	10	10.1	6.3079	0	0.2357	6.5436	0.1044	0	-0.2306	-0.1262
1408	9.72	10.1	6.3087	0	0.2346	6.5433	0.0901	0	-0.2246	-0.1345
1409	9.94	10.1	6.3089	0	0.2342	6.5431	0.0822	0	-0.2379	-0.1557
1410	10.5	10.1	6.3086	0	0.2339	6.5425	0.0773	0	-0.2587	-0.1814
1411	10.6	10.1	6.3092	0	0.2333	6.5425	0.0774	0	-0.2198	-0.1424
1412	10.1	10.1	6.3108	0	0.2339	6.5447	0.0824	0	-0.2051	-0.1227
1413	9.64	9.97	6.3119	0	0.2354	6.5473	0.0823	0	-0.1888	-0.1065
1414	9.85	9.93	6.3125	0	0.2337	6.5462	0.0774	0	-0.1752	-0.0978
1415	9.93	9.9	6.3134	0	0.2335	6.5469	0.0693	0	-0.1622	-0.0929
1416	10.2	9.86	6.3132	0	0.2328	6.546	0.0633	0	-0.174	-0.1107
1417	9.87	9.83	6.3119	0	0.2332	6.5451	0.0665	0	-0.1626	-0.0961
1418	9.93	9.82	6.3108	0	0.2334	6.5442	0.0713	0	-0.1427	-0.0714
1419	10.1	9.81	6.3099	0	0.2346	6.5445	0.0672	0	-0.1205	-0.0533
1420	10.1	9.78	6.3092	0	0.2354	6.5445	0.0718	0	-0.1013	-0.0296
1421	9.65	9.75	6.3084	0	0.2355	6.544	0.0663	0	-0.1148	-0.0485
1422	9.12	9.74	6.3077	0	0.2358	6.5436	0.0563	0	-0.1178	-0.0616
1423	9.31	9.76	6.3072	0	0.2363	6.5435	0.0451	0	-0.1231	-0.078
1424	9.43	9.77	6.3068	0	0.2364	6.5431	0.0403	0	-0.1194	-0.0791
1425	9.2	9.77	6.3066	0	0.2371	6.5437	0.042	0	-0.1078	-0.0657
1426	9.56	9.73	6.3062	0	0.2364	6.5426	0.038	0	-0.1154	-0.0774
1427	9.47	9.71	6.3061	0	0.2379	6.544	0.0348	0	-0.1161	-0.0813
1428	9.76	9.69	6.3057	0	0.2383	6.544	0.0424	0	-0.1052	-0.0629
1429	9.89	9.66	6.3058	0	0.2383	6.5441	0.0521	0	-0.1137	-0.0616
1430	10	9.62	6.306	0	0.2381	6.5441	0.0597	0	-0.1209	-0.0613
1431	9.99	9.61	6.3058	0	0.2383	6.5442	0.0644	0	-0.1136	-0.0492
1432	9.98	9.65	6.3056	0	0.2387	6.5443	0.0681	0	-0.102	-0.034
1433	10.1	9.7	6.3053	0	0.239	6.5443	0.0711	0	-0.0986	-0.0275
1434	9.92	9.73	6.305	0	0.2391	6.5441	0.0744	0	-0.0979	-0.0235

1435	9.44	9.76	6.3047	0	0.2386	6.5433	0.0665	0	-0.0946	-0.0281
1436	9.53	9.77	6.3047	0	0.2376	6.5423	0.0548	0	-0.1137	-0.0588
1437	9.45	9.78	6.3044	0	0.2395	6.5439	0.0429	0	-0.1006	-0.0576
1438	9.56	9.77	6.3039	0	0.2403	6.5442	0.0304	0	-0.1225	-0.0921
1439	9.37	9.75	6.304	0	0.2399	6.5438	0.0247	0	-0.1354	-0.1107
1440	9.54	9.76	6.3043	0	0.24	6.5443	0.0253	0	-0.127	-0.1017
1441	9.92	9.78	6.3042	0	0.2408	6.5449	0.0274	0	-0.1078	-0.0804
1442	10.2	9.81	6.304	0	0.2409	6.5449	0.0345	0	-0.0875	-0.053
1443	10.1	9.81	6.3038	0	0.2402	6.544	0.0419	0	-0.0871	-0.0453
1444	9.75	9.8	6.3036	0	0.2394	6.543	0.0482	0	-0.1059	-0.0577
1445	9.72	9.8	6.3035	0	0.2392	6.5428	0.0527	0	-0.103	-0.0503
1446	9.65	9.79	6.3033	0	0.2405	6.5438	0.0615	0	-0.0934	-0.0318
1447	9.49	9.78	6.3038	0	0.2393	6.5431	0.065	0	-0.1048	-0.0398
1448	9.53	9.78	6.3039	0	0.2378	6.5417	0.0678	0	-0.099	-0.0312
1449	10.2	9.77	6.3037	0	0.2379	6.5417	0.0678	0	-0.1082	-0.0404
1450	10.5	9.76	6.3034	0	0.2384	6.5418	0.0656	0	-0.1223	-0.0567
1451	10.4	9.72	6.3033	0	0.2401	6.5434	0.0663	0	-0.1367	-0.0704
1452	10.2	9.67	6.3035	0	0.2418	6.5453	0.0654	0	-0.1569	-0.0915
1453	9.84	9.63	6.304	0	0.2432	6.5471	0.0551	0	-0.1564	-0.1013
1454	9.46	9.61	6.3046	0	0.2444	6.5491	0.041	0	-0.1486	-0.1076
1455	9.29	9.6	6.3052	0	0.2454	6.5506	0.0438	0	-0.1318	-0.088
1456	9.28	9.62	6.3057	0	0.2456	6.5513	0.0514	0	-0.1302	-0.0788
1457	9.54	9.65	6.306	0	0.2437	6.5497	0.0619	0	-0.1426	-0.0807
1458	9.05	9.67	6.3061	0	0.2456	6.5516	0.076	0	-0.1499	-0.0739
1459	9.44	9.69	6.3062	0	0.2499	6.5561	0.0921	0	-0.159	-0.067
1460	9.22	9.71	6.3061	0	0.2479	6.554	0.0965	0	-0.1603	-0.0638
1461	9.2	9.73	6.3059	0	0.2474	6.5533	0.0964	0	-0.1682	-0.0717
1462	9.3	9.75	6.3057	0	0.2475	6.5532	0.0992	0	-0.1774	-0.0782
1463	9.37	9.76	6.3057	0	0.2462	6.552	0.1119	0	-0.175	-0.0631
1464	9.59	9.77	6.306	0	0.2453	6.5513	0.1203	0	-0.1675	-0.0472
1465	10	9.79	6.3061	0	0.2469	6.553	0.1246	0	-0.1901	-0.0654
1466	9.97	9.82	6.3058	0	0.2473	6.5531	0.134	0	-0.1916	-0.0577
1467	10	9.85	6.3053	0	0.2463	6.5516	0.1341	0	-0.1937	-0.0597
1468	10.6	9.89	6.3054	0	0.2457	6.5511	0.1275	0	-0.1851	-0.0576
1469	10.8	9.9	6.3044	0	0.2444	6.5487	0.114	0	-0.1985	-0.0845
1470	10.7	9.94	6.3043	0	0.2451	6.5494	0.1071	0	-0.1844	-0.0774
1471	10.5	9.98	6.3048	0	0.2453	6.5501	0.1037	0	-0.1804	-0.0767

1472	10	10	6.3055	0	0.2459	6.5514	0.1013	0	-0.1866	-0.0853
1473	9.62	10	6.3057	0	0.2463	6.552	0.0969	0	-0.189	-0.0921
1474	9.68	10	6.3053	0	0.246	6.5513	0.094	0	-0.1807	-0.0866
1475	9.94	10	6.3053	0	0.2461	6.5515	0.0899	0	-0.174	-0.0841
1476	10.1	10.1	6.3055	0	0.2461	6.5516	0.0864	0	-0.1687	-0.0823
1477	9.7	10.1	6.3051	0	0.2453	6.5504	0.0825	0	-0.1807	-0.0982
1478	9.59	10.1	6.3045	0	0.246	6.5505	0.0832	0	-0.1607	-0.0775
1479	10.1	10	6.3047	0	0.2465	6.5512	0.08	0	-0.1757	-0.0957
1480	9.97	9.98	6.305	0	0.2461	6.5511	0.0746	0	-0.1803	-0.1056
1481	9.91	9.95	6.3048	0	0.2456	6.5504	0.0648	0	-0.182	-0.1172
1482	9.82	9.92	6.3046	0	0.2457	6.5503	0.0643	0	-0.1727	-0.1084
1483	9.68	9.92	6.3046	0	0.2458	6.5504	0.0634	0	-0.1744	-0.111
1484	9.96	9.93	6.3049	0	0.2458	6.5507	0.061	0	-0.1786	-0.1176
1485	10.6	9.92	6.3057	0	0.2464	6.5522	0.0585	0	-0.1772	-0.1187
1486	10.2	9.89	6.306	0	0.2471	6.5531	0.0582	0	-0.1791	-0.1208
1487	9.95	9.89	6.3066	0	0.2477	6.5543	0.0631	0	-0.1864	-0.1233
1488	10.4	9.88	6.307	0	0.2474	6.5544	0.0617	0	-0.1591	-0.0974
1489	9.84	9.87	6.3066	0	0.247	6.5536	0.0601	0	-0.1401	-0.08
1490	9.81	9.87	6.3061	0	0.2457	6.5518	0.0661	0	-0.1387	-0.0726
1491	9.54	9.85	6.3053	0	0.2439	6.5492	0.0713	0	-0.1283	-0.057
1492	9.59	9.85	6.3046	0	0.2443	6.5489	0.0663	0	-0.1171	-0.0508
1493	9.87	9.85	6.3043	0	0.2461	6.5503	0.0606	0	-0.1135	-0.0529
1494	9.78	9.85	6.3037	0	0.2465	6.5503	0.0546	0	-0.1203	-0.0657
1495	9.48	9.82	6.3029	0	0.2458	6.5488	0.0482	0	-0.1322	-0.084
1496	9.68	9.81	6.3024	0	0.2467	6.5491	0.0447	0	-0.1404	-0.0957
1497	9.58	9.81	6.302	0	0.2463	6.5482	0.0414	0	-0.1309	-0.0895
1498	9.92	9.81	6.3014	0	0.2471	6.5485	0.0465	0	-0.1407	-0.0942
1499	9.83	9.83	6.3013	0	0.249	6.5504	0.0503	0	-0.1635	-0.1132
1500	9.63	9.84	6.3014	0	0.2504	6.5518	0.0534	0	-0.1968	-0.1434
1501	9.71	9.9	6.3015	0	0.2521	6.5536	0.0504	0	-0.247	-0.1965
1502	9.67	9.96	6.302	0	0.252	6.5539	0.0528	0	-0.1969	-0.1441
1503	9.94	9.97	6.3023	0	0.251	6.5533	0.0568	0	-0.1734	-0.1167
1504	10.1	10	6.302	0	0.25	6.552	0.06	0	-0.1528	-0.0928
1505	9.96	10	6.3014	0	0.2497	6.5511	0.0667	0	-0.1417	-0.0751
1506	10.1	10.1	6.3009	0	0.2508	6.5517	0.0737	0	-0.1464	-0.0727
1507	10.3	10.1	6.3003	0	0.2507	6.551	0.0791	0	-0.153	-0.074
1508	10.3	10.1	6.2995	0	0.2505	6.55	0.0871	0	-0.174	-0.0869

1509	9.99	10.1	6.2992	0	0.2502	6.5495	0.0929	0	-0.1688	-0.0759
1510	10.8	10.1	6.299	0	0.2507	6.5496	0.1018	0	-0.1195	-0.0177
1511	10.7	10.2	6.2992	0	0.2511	6.5503	0.1013	0	-0.1248	-0.0236
1512	10.1	10.2	6.2996	0	0.2514	6.551	0.1007	0	-0.1268	-0.026
1513	10.3	10.3	6.2999	0	0.2521	6.552	0.0975	0	-0.1258	-0.0282
1514	10.4	10.3	6.3001	0	0.2527	6.5527	0.0966	0	-0.1521	-0.0554
1515	9.96	10.3	6.3	0	0.2526	6.5526	0.1004	0	-0.1679	-0.0674
1516	10	10.3	6.2998	0	0.2521	6.5519	0.1046	0	-0.1497	-0.0451
1517	9.83	10.3	6.2991	0	0.2517	6.5508	0.1033	0	-0.15	-0.0467
1518	9.88	10.3	6.2994	0	0.2533	6.5527	0.0971	0	-0.1758	-0.0788
1519	10.6	10.3	6.2992	0	0.253	6.5522	0.0939	0	-0.192	-0.0982
1520	10.3	10.3	6.2988	0	0.2534	6.5522	0.0829	0	-0.1988	-0.1159
1521	10.8	10.2	6.2983	0	0.2542	6.5525	0.0824	0	-0.1944	-0.1119
1522	10.6	10.2	6.298	0	0.2547	6.5528	0.0873	0	-0.1996	-0.1123
1523	10.2	10.3	6.2978	0	0.2543	6.5522	0.0968	0	-0.1919	-0.095
1524	10.1	10.3	6.2978	0	0.2538	6.5515	0.103	0	-0.1836	-0.0806
1525	10.4	10.3	6.2979	0	0.254	6.5519	0.1064	0	-0.1844	-0.0781
1526	10.8	10.3	6.298	0	0.2545	6.5524	0.1091	0	-0.1834	-0.0743
1527	9.84	10.3	6.2978	0	0.254	6.5518	0.1055	0	-0.185	-0.0796
1528	9.91	10.3	6.2977	0	0.2559	6.5536	0.0991	0	-0.1839	-0.0848
1529	10.1	10.2	6.2983	0	0.2564	6.5547	0.0944	0	-0.1494	-0.055
1530	10.1	10.2	6.2995	0	0.2563	6.5558	0.0956	0	-0.1431	-0.0474
1531	10.4	10.2	6.2994	0	0.2556	6.555	0.0997	0	-0.1417	-0.042
1532	10.6	10.1	6.2992	0	0.2562	6.5554	0.0987	0	-0.1445	-0.0457
1533	10.4	10.1	6.2992	0	0.2569	6.5561	0.0991	0	-0.1381	-0.039
1534	10.2	10.1	6.2992	0	0.2568	6.556	0.1042	0	-0.1293	-0.0251
1535	9.99	10.1	6.2989	0	0.2565	6.5554	0.1118	0	-0.1289	-0.0171
1536	9.67	10.1	6.2984	0	0.2562	6.5546	0.1202	0	-0.1248	-0.0045
1537	9.79	10.1	6.2983	0	0.2554	6.5536	0.1208	0	-0.1077	0.013
1538	10.1	10.1	6.2979	0	0.2543	6.5522	0.1266	0	-0.0786	0.048
1539	10	10.1	6.2973	0	0.2537	6.5511	0.1282	0	-0.0795	0.0487
1540	9.89	10	6.2971	0	0.2529	6.55	0.1209	0	-0.0822	0.0387
1541	9.8	10	6.2975	0	0.2525	6.55	0.1121	0	-0.1098	0.0022
1542	9.91	9.98	6.2979	0	0.2523	6.5502	0.1067	0	-0.1311	-0.0244
1543	10.3	9.95	6.2983	0	0.2523	6.5506	0.1055	0	-0.1273	-0.0218
1544	10.1	9.93	6.2988	0	0.2526	6.5514	0.1043	0	-0.1119	-0.0076
1545	9.95	9.91	6.2991	0	0.2533	6.5523	0.1025	0	-0.1134	-0.0109

1546	10.4	9.89	6.2992	0	0.2536	6.5528	0.0975	0	-0.12	-0.0225
1547	9.88	9.89	6.2991	0	0.2534	6.5525	0.0922	0	-0.1087	-0.0165
1548	9.61	9.86	6.2989	0	0.2541	6.553	0.0881	0	-0.1263	-0.0383
1549	9.72	9.85	6.2984	0	0.2576	6.556	0.0845	0	-0.1378	-0.0532
1550	9.87	9.88	6.2983	0	0.2631	6.5614	0.0861	0	-0.1214	-0.0353
1551	10.1	9.91	6.298	0	0.2598	6.5578	0.0868	0	-0.1033	-0.0166
1552	9.89	9.92	6.2978	0	0.2592	6.557	0.0867	0	-0.0787	0.008
1553	9.8	9.89	6.298	0	0.2584	6.5564	0.0928	0	-0.0951	-0.0024
1554	9.5	9.87	6.2979	0	0.2586	6.5566	0.0957	0	-0.1148	-0.0191
1555	9.41	9.87	6.2978	0	0.26	6.5578	0.094	0	-0.1323	-0.0384
1556	9.67	9.86	6.2977	0	0.2609	6.5587	0.0896	0	-0.1406	-0.051
1557	9.63	9.91	6.2973	0	0.2611	6.5584	0.0872	0	-0.1336	-0.0464
1558	9.75	9.94	6.2968	0	0.2624	6.5592	0.0825	0	-0.1387	-0.0562
1559	10.4	9.97	6.296	0	0.2619	6.5579	0.0754	0	-0.1445	-0.0691
1560	10.4	9.95	6.296	0	0.2604	6.5564	0.0745	0	-0.1447	-0.0702
1561	10.1	9.95	6.2958	0	0.26	6.5559	0.0772	0	-0.1412	-0.064
1562	9.67	9.96	6.2959	0	0.2601	6.556	0.0788	0	-0.1381	-0.0593
1563	9.85	9.96	6.2961	0	0.2614	6.5575	0.0791	0	-0.132	-0.0529
1564	9.95	9.97	6.2959	0	0.2621	6.558	0.0805	0	-0.1214	-0.0409
1565	10.2	9.99	6.2957	0	0.2618	6.5575	0.082	0	-0.1148	-0.0328
1566	10.7	10	6.2955	0	0.2623	6.5578	0.0835	0	-0.1228	-0.0392
1567	10.3	10	6.2956	0	0.2639	6.5595	0.0855	0	-0.1452	-0.0597
1568	10.2	10	6.296	0	0.2649	6.561	0.0803	0	-0.172	-0.0917
1569	9.58	10	6.2961	0	0.2642	6.5603	0.082	0	-0.1677	-0.0857
1570	10	9.99	6.2961	0	0.2645	6.5606	0.0793	0	-0.176	-0.0967
1571	10.1	9.97	6.2961	0	0.2652	6.5613	0.0773	0	-0.1761	-0.0988
1572	9.79	10	6.2958	0	0.2651	6.5609	0.0721	0	-0.1644	-0.0923
1573	9.75	10.1	6.2954	0	0.2647	6.56	0.0715	0	-0.1539	-0.0823
1574	9.8	10.1	6.2947	0	0.2644	6.5591	0.0749	0	-0.1604	-0.0854
1575	9.72	10.1	6.2944	0	0.2645	6.5589	0.0791	0	-0.1791	-0.0999
1576	9.83	10.1	6.2949	0	0.2646	6.5595	0.0811	0	-0.1919	-0.1108
1577	10.3	10.1	6.2952	0	0.2637	6.5589	0.0801	0	-0.1939	-0.1138
1578	9.97	10.1	6.2951	0	0.2609	6.556	0.074	0	-0.1963	-0.1223
1579	9.88	10.1	6.2951	0	0.2608	6.5559	0.0688	0	-0.182	-0.1132
1580	9.91	10.1	6.295	0	0.2603	6.5553	0.073	0	-0.182	-0.109
1581	10.7	10.1	6.2949	0	0.26	6.555	0.0838	0	-0.1762	-0.0924
1582	10.8	10.1	6.2947	0	0.2595	6.5542	0.0854	0	-0.1754	-0.09

1583	10.2	10	6.2942	0	0.2588	6.5529	0.0871	0	-0.1709	-0.0838
1584	10.2	10	6.2937	0	0.2587	6.5525	0.0893	0	-0.1714	-0.0821
1585	10.5	10	6.2937	0	0.2589	6.5526	0.0927	0	-0.1684	-0.0756
1586	10.4	9.99	6.2939	0	0.2579	6.5518	0.0909	0	-0.1684	-0.0775
1587	10.6	9.94	6.2939	0	0.2556	6.5495	0.0886	0	-0.1514	-0.0628
1588	9.6	9.91	6.2941	0	0.2554	6.5495	0.0884	0	-0.1567	-0.0683
1589	9.18	9.9	6.2945	0	0.2552	6.5497	0.0863	0	-0.1709	-0.0846
1590	9.98	9.9	6.2949	0	0.2567	6.5516	0.0846	0	-0.1776	-0.093
1591	9.86	9.84	6.2946	0	0.2571	6.5516	0.0843	0	-0.1858	-0.1015
1592	9.3	9.8	6.2941	0	0.257	6.5511	0.0884	0	-0.1874	-0.099
1593	9.56	9.77	6.2938	0	0.2572	6.5511	0.093	0	-0.1904	-0.0974
1594	9.65	9.74	6.2935	0	0.2579	6.5514	0.0988	0	-0.198	-0.0992
1595	9.34	9.69	6.2932	0	0.2578	6.551	0.1017	0	-0.1998	-0.0981
1596	9.24	9.64	6.2932	0	0.2576	6.5508	0.1037	0	-0.1985	-0.0948
1597	9.46	9.61	6.2932	0	0.2589	6.5521	0.105	0	-0.197	-0.092
1598	9.68	9.63	6.293	0	0.2609	6.5538	0.1071	0	-0.2008	-0.0938
1599	9.84	9.67	6.2927	0	0.2612	6.5539	0.1061	0	-0.1795	-0.0734
1600	9.59	9.69	6.2927	0	0.2607	6.5534	0.102	0	-0.1451	-0.0431
1601	10.1	9.65	6.2929	0	0.2599	6.5528	0.0958	0	-0.106	-0.0102
1602	9.68	9.65	6.2927	0	0.2615	6.5542	0.0888	0	-0.1392	-0.0504
1603	9.64	9.65	6.2927	0	0.2625	6.5552	0.0892	0	-0.1458	-0.0566
1604	9.49	9.67	6.2926	0	0.2632	6.5558	0.0933	0	-0.1674	-0.0741
1605	9.5	9.7	6.2924	0	0.2638	6.5562	0.0917	0	-0.1611	-0.0695
1606	9.89	9.74	6.2922	0	0.2641	6.5564	0.0914	0	-0.1526	-0.0612
1607	10.1	9.76	6.2921	0	0.2645	6.5566	0.0905	0	-0.1381	-0.0476
1608	9.94	9.75	6.292	0	0.265	6.5569	0.0877	0	-0.146	-0.0582
1609	10.3	9.76	6.2918	0	0.2647	6.5565	0.0838	0	-0.1282	-0.0443
1610	9.06	9.77	6.2912	0	0.2648	6.556	0.0774	0	-0.13	-0.0526
1611	9.39	9.77	6.2914	0	0.2649	6.5562	0.0786	0	-0.1438	-0.0653
1612	9.59	9.79	6.2917	0	0.2646	6.5563	0.0778	0	-0.1411	-0.0632
1613	9.86	9.82	6.2919	0	0.2642	6.5561	0.08	0	-0.1368	-0.0568
1614	9.99	9.87	6.2919	0	0.2642	6.556	0.0828	0	-0.1291	-0.0463
1615	9.94	9.92	6.2916	0	0.2649	6.5566	0.0827	0	-0.1106	-0.0278
1616	9.87	9.95	6.2913	0	0.2666	6.5579	0.0845	0	-0.1213	-0.0368
1617	9.43	9.96	6.2911	0	0.2689	6.56	0.0813	0	-0.1023	-0.021
1618	10.2	10	6.2912	0	0.2701	6.5613	0.0812	0	-0.0921	-0.0109
1619	9.75	10	6.2913	0	0.2706	6.5619	0.0857	0	-0.0889	-0.0032

1620	10.1	10.1	6.2911	0	0.271	6.5621	0.0864	0	-0.0987	-0.0122
1621	9.99	10.1	6.2911	0	0.2706	6.5617	0.0868	0	-0.0964	-0.0096
1622	10.1	10.1	6.2909	0	0.2701	6.561	0.0892	0	-0.0924	-0.0032
1623	10.4	10.2	6.2904	0	0.2704	6.5607	0.09	0	-0.097	-0.007
1624	10.5	10.2	6.2899	0	0.2717	6.5615	0.0888	0	-0.1005	-0.0117
1625	10.6	10.2	6.2898	0	0.2732	6.563	0.0845	0	-0.1153	-0.0308
1626	10.1	10.2	6.2899	0	0.2739	6.5638	0.0823	0	-0.118	-0.0357
1627	11	10.2	6.2904	0	0.2736	6.564	0.0864	0	-0.1251	-0.0387
1628	10.3	10.2	6.2908	0	0.2741	6.5649	0.0843	0	-0.1331	-0.0488
1629	10.1	10.2	6.291	0	0.2746	6.5656	0.0805	0	-0.1684	-0.0879
1630	10.2	10.2	6.2911	0	0.2739	6.565	0.0809	0	-0.173	-0.0921
1631	10.3	10.3	6.2909	0	0.2731	6.564	0.0832	0	-0.1812	-0.098
1632	10.2	10.3	6.2905	0	0.2733	6.5638	0.0862	0	-0.1979	-0.1116
1633	10.1	10.3	6.2903	0	0.274	6.5643	0.0846	0	-0.2017	-0.1171
1634	10.2	10.3	6.2899	0	0.2737	6.5636	0.0839	0	-0.2144	-0.1306
1635	10.1	10.2	6.2898	0	0.2734	6.5632	0.0804	0	-0.2169	-0.1364
1636	10	10.3	6.2895	0	0.2713	6.5609	0.0709	0	-0.2038	-0.1329
1637	10.5	10.2	6.2894	0	0.271	6.5604	0.0688	0	-0.2028	-0.134
1638	9.94	10.2	6.2893	0	0.2714	6.5606	0.0671	0	-0.2199	-0.1527
1639	9.8	10.2	6.2889	0	0.2715	6.5604	0.0627	0	-0.2161	-0.1533
1640	10.4	10.2	6.2887	0	0.2714	6.5601	0.0532	0	-0.2139	-0.1608
1641	10.7	10.2	6.2887	0	0.2712	6.5599	0.0436	0	-0.1913	-0.1477
1642	10.5	10.2	6.2886	0	0.2713	6.5599	0.0363	0	-0.1691	-0.1327
1643	10.3	10.2	6.2885	0	0.2721	6.5605	0.0286	0	-0.1599	-0.1312
1644	10	10.2	6.2886	0	0.2726	6.5612	0.0194	0	-0.1646	-0.1453
1645	10.2	10.1	6.2887	0	0.2731	6.5618	0.0159	0	-0.163	-0.1471
1646	10.2	10.1	6.2887	0	0.2733	6.562	0.013	0	-0.1544	-0.1414
1647	10.5	10	6.2884	0	0.2735	6.5619	0.0183	0	-0.1773	-0.159
1648	10.4	10.1	6.2882	0	0.2721	6.5603	0.0136	0	-0.1533	-0.1397
1649	10.1	10.1	6.2882	0	0.2721	6.5603	0.0086	0	-0.1415	-0.1329
1650	10.1	10	6.2887	0	0.2737	6.5624	0.0027	0	-0.146	-0.1433
1651	10.1	9.97	6.2891	0	0.2737	6.5628	-0.0006	0	-0.1538	-0.1544
1652	9.71	9.93	6.2889	0	0.2737	6.5626	0.0065	0	-0.1861	-0.1796
1653	9.35	9.91	6.2887	0	0.2752	6.5638	0.0196	0	-0.1924	-0.1728
1654	9.48	9.91	6.2888	0	0.2747	6.5635	0.0302	0	-0.1748	-0.1446
1655	9.49	9.88	6.2887	0	0.2753	6.564	0.0402	0	-0.1631	-0.1229
1656	9.66	9.89	6.2887	0	0.2747	6.5634	0.0443	0	-0.1625	-0.1182

1657	10.3	9.84	6.2885	0	0.2757	6.5642	0.0377	0	-0.1548	-0.1171
1658	9.93	9.82	6.2884	0	0.2753	6.5637	0.0305	0	-0.1523	-0.1218
1659	9.53	9.82	6.2883	0	0.2749	6.5632	0.0332	0	-0.1543	-0.1211
1660	9.59	9.81	6.2881	0	0.2747	6.5629	0.0404	0	-0.1625	-0.1221
1661	9.76	9.82	6.2881	0	0.2741	6.5622	0.0412	0	-0.1605	-0.1193
1662	9.89	9.84	6.2879	0	0.2738	6.5617	0.0442	0	-0.1586	-0.1143
1663	10	9.88	6.2878	0	0.2744	6.5621	0.0496	0	-0.1715	-0.1218
1664	9.61	9.88	6.2877	0	0.2732	6.5608	0.056	0	-0.1755	-0.1195
1665	10.4	9.89	6.2872	0	0.274	6.5612	0.0606	0	-0.1843	-0.1238
1666	9.63	9.9	6.2874	0	0.2725	6.5599	0.0504	0	-0.1812	-0.1309
1667	9.99	9.89	6.2875	0	0.2731	6.5605	0.0472	0	-0.1613	-0.1141
1668	9.93	9.89	6.2874	0	0.2738	6.5613	0.0546	0	-0.1344	-0.0799
1669	10.1	9.9	6.2875	0	0.2741	6.5616	0.0626	0	-0.1237	-0.0611
1670	10.2	9.92	6.2874	0	0.2742	6.5616	0.0748	0	-0.1242	-0.0494
1671	10.1	9.94	6.2872	0	0.2745	6.5616	0.0832	0	-0.1351	-0.0519
1672	10	9.97	6.2868	0	0.2748	6.5616	0.0846	0	-0.1481	-0.0635
1673	9.6	10	6.2865	0	0.2747	6.5612	0.0793	0	-0.1323	-0.053
1674	9.62	10	6.2862	0	0.2759	6.5621	0.0721	0	-0.1277	-0.0556
1675	9.91	9.99	6.2862	0	0.2763	6.5625	0.0736	0	-0.1094	-0.0358
1676	10.1	10	6.2863	0	0.2771	6.5634	0.0786	0	-0.0752	0.0034
1677	9.99	9.99	6.2868	0	0.277	6.5638	0.0821	0	-0.071	0.011
1678	9.71	9.95	6.2871	0	0.2777	6.5648	0.0876	0	-0.0826	0.005
1679	9.82	9.93	6.287	0	0.2781	6.5651	0.0934	0	-0.0809	0.0125
1680	10.2	9.92	6.2867	0	0.2784	6.5651	0.0935	0	-0.0779	0.0157
1681	10.5	9.91	6.2863	0	0.2798	6.5661	0.088	0	-0.0838	0.0042
1682	10.7	9.9	6.2862	0	0.2797	6.5659	0.0802	0	-0.0885	-0.0084
1683	10	9.88	6.2858	0	0.2802	6.566	0.076	0	-0.0845	-0.0085
1684	9.72	9.89	6.2857	0	0.2804	6.5661	0.0772	0	-0.0679	0.0093
1685	9.97	9.88	6.2866	0	0.2793	6.5659	0.0796	0	-0.0694	0.0103
1686	9.64	9.87	6.287	0	0.2781	6.5652	0.0841	0	-0.0915	-0.0074
1687	9.21	9.9	6.2872	0	0.2775	6.5648	0.0853	0	-0.0996	-0.0142
1688	9.56	9.94	6.2879	0	0.277	6.5649	0.0858	0	-0.0953	-0.0094
1689	10	9.94	6.2892	0	0.2766	6.5658	0.0845	0	-0.0961	-0.0116
1690	10	9.89	6.2905	0	0.2759	6.5664	0.0803	0	-0.0913	-0.011
1691	9.81	9.81	6.2909	0	0.274	6.5649	0.078	0	-0.0878	-0.0098
1692	9.31	9.73	6.2912	0	0.273	6.5642	0.0777	0	-0.0971	-0.0193
1693	9.65	9.69	6.2919	0	0.2737	6.5656	0.0754	0	-0.0954	-0.02

1694	9.74	9.67	6.2919	0	0.2742	6.5661	0.072	0	-0.0815	-0.0096
1695	9.99	9.62	6.2919	0	0.2733	6.5652	0.0782	0	-0.0771	0.0011
1696	10.6	9.65	6.2914	0	0.2753	6.5667	0.0835	0	-0.0765	0.0071
1697	10.3	9.68	6.2918	0	0.2742	6.566	0.0717	0	-0.0832	-0.0115
1698	9.83	9.68	6.2921	0	0.275	6.5671	0.0468	0	-0.092	-0.0451
1699	9.28	9.66	6.2924	0	0.2758	6.5682	0.0281	0	-0.1191	-0.091
1700	9.01	9.65	6.2928	0	0.2761	6.5689	0.0262	0	-0.1275	-0.1013
1701	9.23	9.66	6.2922	0	0.2786	6.5708	0.0378	0	-0.1143	-0.0764
1702	9.22	9.72	6.2907	0	0.2807	6.5715	0.0479	0	-0.1148	-0.0669
1703	9.3	9.79	6.2897	0	0.28	6.5697	0.0539	0	-0.1196	-0.0657
1704	9.04	9.82	6.2886	0	0.2795	6.5681	0.0586	0	-0.1215	-0.063
1705	10.3	9.88	6.288	0	0.28	6.568	0.0662	0	-0.1214	-0.0553
1706	9.69	9.9	6.2885	0	0.2796	6.5681	0.0708	0	-0.1116	-0.0409
1707	9.63	9.91	6.289	0	0.2798	6.5688	0.0727	0	-0.1024	-0.0297
1708	9.51	9.96	6.2886	0	0.2804	6.569	0.0698	0	-0.0821	-0.0124
1709	9.83	10.1	6.2877	0	0.281	6.5687	0.0682	0	-0.0861	-0.0179
1710	10.1	10.2	6.2871	0	0.2808	6.568	0.0677	0	-0.0844	-0.0167
1711	10.3	10.3	6.2869	0	0.2807	6.5677	0.0683	0	-0.0783	-0.01
1712	11	10.4	6.2867	0	0.2818	6.5685	0.0682	0	-0.0977	-0.0295
1713	10.4	10.4	6.2863	0	0.2818	6.568	0.0659	0	-0.1368	-0.0709
1714	11	10.5	6.2858	0	0.2826	6.5684	0.0627	0	-0.1444	-0.0817
1715	11	10.6	6.2866	0	0.283	6.5697	0.0606	0	-0.1567	-0.0961
1716	10.6	10.7	6.2865	0	0.2828	6.5693	0.0525	0	-0.156	-0.1036
1717	10.8	10.8	6.2857	0	0.2823	6.568	0.052	0	-0.1676	-0.1157
1718	11.1	10.9	6.2849	0	0.2824	6.5674	0.0315	0	-0.1605	-0.129
1719	11.2	10.9	6.2838	0	0.283	6.5669	0.023	0	-0.1493	-0.1263
1720	11.2	11	6.2827	0	0.2845	6.5673	0.0225	0	-0.1484	-0.1259
1721	11	11	6.2826	0	0.2855	6.5681	0.0254	0	-0.1731	-0.1477
1722	10.7	11	6.283	0	0.2834	6.5663	0.0293	0	-0.2036	-0.1743
1723	10.8	11	6.2831	0	0.2832	6.5663	0.0308	0	-0.2166	-0.1858
1724	11.5	11	6.2825	0	0.2826	6.5651	0.0292	0	-0.2326	-0.2034
1725	11.3	11	6.282	0	0.2807	6.5627	0.0294	0	-0.2254	-0.196
1726	11.2	11	6.2817	0	0.281	6.5627	0.0328	0	-0.2311	-0.1982
1727	11.2	11	6.2816	0	0.2819	6.5635	0.0346	0	-0.215	-0.1804
1728	11.4	11	6.2815	0	0.2822	6.5637	0.0426	0	-0.2141	-0.1715
1729	11.4	10.9	6.2817	0	0.2823	6.564	0.0493	0	-0.2088	-0.1595
1730	10.9	10.9	6.2823	0	0.2823	6.5646	0.053	0	-0.2171	-0.164

1731	10.5	10.9	6.2829	0	0.282	6.5648	0.0514	0	-0.2187	-0.1672
1732	11.1	10.9	6.2829	0	0.2817	6.5646	0.0458	0	-0.1969	-0.151
1733	10.7	10.8	6.2826	0	0.2808	6.5633	0.0424	0	-0.1939	-0.1515
1734	10.9	10.7	6.2819	0	0.2806	6.5625	0.0358	0	-0.1903	-0.1545
1735	10.5	10.7	6.2814	0	0.2825	6.5639	0.0339	0	-0.1782	-0.1443
1736	10.6	10.7	6.281	0	0.2813	6.5623	0.0423	0	-0.19	-0.1477
1737	10.6	10.6	6.2808	0	0.2806	6.5614	0.0453	0	-0.1998	-0.1545
1738	10.5	10.5	6.2808	0	0.281	6.5618	0.0473	0	-0.2055	-0.1583
1739	10.7	10.4	6.2808	0	0.2806	6.5615	0.0515	0	-0.2176	-0.1661
1740	10.6	10.3	6.2809	0	0.2802	6.5611	0.0626	0	-0.2296	-0.167
1741	9.99	10.3	6.2809	0	0.2809	6.5619	0.0729	0	-0.2553	-0.1824
1742	10.2	10.2	6.2811	0	0.2808	6.5619	0.0743	0	-0.2811	-0.2068
1743	10	10.1	6.2813	0	0.2802	6.5615	0.0751	0	-0.2816	-0.2064
1744	10.6	10.1	6.2808	0	0.2803	6.5611	0.0826	0	-0.2771	-0.1945
1745	10.5	10	6.2803	0	0.2808	6.5611	0.086	0	-0.2624	-0.1764
1746	9.39	9.96	6.2815	0	0.2816	6.5631	0.086	0	-0.2732	-0.1872
1747	9.8	9.9	6.2838	0	0.2827	6.5664	0.0832	0	-0.2606	-0.1774
1748	9.74	9.83	6.2854	0	0.284	6.5694	0.0932	0	-0.2675	-0.1742
1749	9.71	9.77	6.2856	0	0.2849	6.5704	0.1019	0	-0.2489	-0.1469
1750	9.53	9.74	6.2849	0	0.2851	6.5701	0.1101	0	-0.2389	-0.1289
1751	9.29	9.73	6.2843	0	0.2852	6.5695	0.117	0	-0.2374	-0.1204
1752	9.74	9.7	6.2835	0	0.2857	6.5692	0.1127	0	-0.2151	-0.1024
1753	9.62	9.69	6.2828	0	0.2873	6.5701	0.0985	0	-0.195	-0.0965
1754	8.99	9.65	6.2822	0	0.2869	6.569	0.0891	0	-0.2051	-0.1159
1755	9.86	9.65	6.2816	0	0.2864	6.568	0.0787	0	-0.212	-0.1333
1756	9.35	9.69	6.2814	0	0.285	6.5664	0.0728	0	-0.2087	-0.1359
1757	9.22	9.73	6.2815	0	0.2839	6.5654	0.0787	0	-0.2152	-0.1366
1758	9.55	9.75	6.2816	0	0.2839	6.5655	0.0856	0	-0.2158	-0.1303
1759	9.93	9.76	6.2815	0	0.2833	6.5648	0.0825	0	-0.2116	-0.1291
1760	9.87	9.81	6.2813	0	0.2826	6.5639	0.0734	0	-0.2077	-0.1343
1761	9.64	9.87	6.2812	0	0.2839	6.5652	0.0673	0	-0.2112	-0.1439
1762	9.75	9.86	6.2813	0	0.2874	6.5688	0.066	0	-0.2147	-0.1487
1763	9.91	9.83	6.2815	0	0.2888	6.5703	0.0641	0	-0.2054	-0.1413
1764	10.5	9.85	6.2816	0	0.2888	6.5704	0.0596	0	-0.2077	-0.148
1765	10	9.85	6.282	0	0.2896	6.5715	0.0551	0	-0.2006	-0.1456
1766	10.7	9.86	6.2822	0	0.2893	6.5714	0.0652	0	-0.1977	-0.1325
1767	10.1	9.87	6.2843	0	0.2891	6.5734	0.0652	0	-0.2033	-0.1381

1768	9.91	9.87	6.2851	0	0.2888	6.5739	0.0553	0	-0.2109	-0.1556
1769	10.5	9.86	6.2852	0	0.2889	6.5741	0.0472	0	-0.2123	-0.1651
1770	10.4	9.87	6.2849	0	0.2915	6.5764	0.0339	0	-0.2075	-0.1736
1771	9.5	9.9	6.2842	0	0.2948	6.5791	0.0211	0	-0.1917	-0.1706
1772	9.06	9.93	6.2837	0	0.2964	6.5802	0.0195	0	-0.1823	-0.1628
1773	9.29	9.96	6.2836	0	0.298	6.5815	0.0242	0	-0.2114	-0.1872
1774	10	9.92	6.2833	0	0.2985	6.5817	0.027	0	-0.2169	-0.1899
1775	9.46	9.92	6.2829	0	0.2994	6.5823	0.019	0	-0.2269	-0.2079
1776	9.48	9.93	6.2828	0	0.2986	6.5814	0.012	0	-0.2552	-0.2432
1777	9.51	9.94	6.2825	0	0.2984	6.5809	0.0092	0	-0.2551	-0.246
1778	9.68	9.94	6.2821	0	0.2986	6.5807	0.0078	0	-0.2464	-0.2386
1779	10.1	9.91	6.2817	0	0.2998	6.5815	0.0058	0	-0.2452	-0.2394
1780	10.1	9.91	6.2815	0	0.3003	6.5818	0.0088	0	-0.2466	-0.2378
1781	10.3	9.97	6.2817	0	0.2995	6.5812	0.0176	0	-0.2506	-0.233
1782	10.6	10	6.282	0	0.2991	6.5811	0.0259	0	-0.2591	-0.2332
1783	9.74	10.1	6.2822	0	0.2992	6.5815	0.0275	0	-0.2669	-0.2394
1784	9.98	10.1	6.2823	0	0.2982	6.5805	0.0223	0	-0.2846	-0.2623
1785	10.8	10.1	6.2824	0	0.2983	6.5807	0.013	0	-0.2916	-0.2787
1786	10.4	10.2	6.2825	0	0.2981	6.5806	0.0048	0	-0.2665	-0.2617
1787	9.95	10.2	6.2825	0	0.2981	6.5806	-0.0012	0	-0.2899	-0.2912
1788	9.91	10.3	6.2827	0	0.2987	6.5815	-0.0037	0	-0.3063	-0.3099
1789	10.5	10.3	6.2829	0	0.2996	6.5825	-0.0042	0	-0.3045	-0.3087
1790	10.6	10.3	6.2832	0	0.3014	6.5846	-0.0035	0	-0.3151	-0.3187
1791	10.4	10.4	6.2835	0	0.3021	6.5856	-0.0027	0	-0.3272	-0.3299
1792	10.3	10.4	6.2837	0	0.3012	6.5849	-0.0023	0	-0.3208	-0.3231
1793	10.2	10.4	6.2836	0	0.3014	6.5851	-0.0001	0	-0.3277	-0.3278
1794	9.9	10.4	6.2833	0	0.3004	6.5837	0.0033	0	-0.3446	-0.3413
1795	10.5	10.5	6.2833	0	0.3006	6.5839	-0.0048	0	-0.3491	-0.3539
1796	10.4	10.4	6.283	0	0.3014	6.5844	-0.013	0	-0.3473	-0.3603
1797	10.7	10.5	6.2825	0	0.301	6.5834	0.0086	0	-0.3377	-0.3291
1798	10.9	10.6	6.2819	0	0.2999	6.5818	0.0508	0	-0.3242	-0.2734
1799	10.6	10.7	6.2814	0	0.2997	6.5811	0.0841	0	-0.3049	-0.2208
1800	10.5	10.5	6.2811	0	0.2999	6.5809	0.0886	0	-0.294	-0.2054