FANT-04ABGN-8065-P-N		
X-AXIS	Y-AXIS	Z-AXIS

5200MHz

Degree	Antenna 1						Antenna 2					
	X-AXIS		Y-AXIS		Z-AXIS		X-AXIS		Y-AXIS		Z-AXIS	
	H	V	H	V	H	V	H	V	H	V	H	V
0	-9.981699	-24.394566	-21.294026	-39.540943	-18.699764	-11.323979	-10.108627	-11.216122	-15.599514	-16.635311	-12.010883	-40.791844
1	-10.335208	-23.953264	-21.067661	-41.24606	-18.17635	-11.456505	-10.237591	-10.802387	-14.593922	-15.049875	-12.504688	-39.307877
2	-10.230204	-23.407906	-21.075867	-33.094749	-17.932694	-11.129974	-10.093979	-10.177429	-14.072134	-13.105469	-13.090267	-36.468315
3	-9.662945	-22.724646	-21.567309	-30.694907	-17.385673	-10.956738	-9.893334	-9.635464	-13.841366	-11.773246	-13.635935	-34.36665
4	-8.918823	-22.074523	-22.484764	-29.607435	-16.854993	-11.190645	-9.692791	-9.299713	-13.896053	-10.869514	-13.972794	-31.473263
5	-8.104239	-21.346523	-23.422123	-28.802048	-16.903459	-11.387889	-9.557068	-9.085008	-14.430261	-10.362969	-14.17523	-29.193866
6	-7.497552	-20.191609	-24.218828	-28.365853	-17.770445	-11.586936	-9.474177	-9.008245	-15.352813	-10.193665	-14.23128	-27.766791
7	-6.935687	-19.253003	-24.905915	-29.156248	-19.293257	-11.719958	-9.410978	-9.061568	-16.498089	-10.531483	-13.847111	-27.283539
8	-6.434676	-18.923222	-25.868412	-33.050031	-21.400986	-12.312594	-9.432503	-9.152427	-17.797987	-10.974811	-12.980488	-27.403168
9	-6.065308	-18.562001	-27.110149	-33.800873	-24.309408	-13.1778	-9.611448	-9.338085	-19.148865	-11.245388	-12.213149	-27.242453
10	-5.951613	-17.88181	-29.208665	-30.824054	-24.795832	-13.737637	-9.898589	-9.617898	-21.274959	-11.659737	-11.633964	-26.846141
11	-6.179665	-17.377583	-31.612309	-26.906041	-22.860775	-14.125916	-10.2819	-9.930271	-23.193216	-12.374063	-11.239895	-27.131441
12	-6.52094	-17.350159	-32.000079	-25.278452	-21.16691	-14.661205	-10.590943	-10.034619	-22.576246	-13.162151	-11.064164	-28.175175
13	-6.983724	-17.392656	-31.004015	-24.059831	-20.124599	-15.189005	-10.891241	-10.010978	-20.874471	-13.648447	-11.074333	-28.783706
14	-7.676438	-17.45736	-30.270018	-22.999554	-19.278813	-15.439677	-11.332398	-9.968934	-19.844603	-13.813059	-11.231312	-28.810455
15	-8.43658	-17.718401	-28.969624	-22.435726	-17.846247	-14.940863	-12.107021	-9.984569	-19.191562	-13.982305	-11.405074	-29.653722
16	-9.130328	-18.238586	-26.642819	-22.667431	-16.21513	-13.950063	-13.219932	-10.086762	-18.670585	-13.809882	-11.58013	-31.464615
17	-9.707294	-18.712257	-24.420978	-22.763172	-14.899296	-12.646355	-14.376501	-10.355298	-18.168266	-13.323637	-11.819826	-33.408107
18	-10.05622	-18.802957	-23.171761	-22.726035	-13.682825	-11.245831	-15.190506	-10.79858	-17.763693	-12.567476	-12.25288	-34.528324
19	-10.096369	-18.715599	-22.651809	-22.617278	-13.019596	-9.910114	-15.556983	-11.535626	-17.649462	-11.749256	-12.94339	-35.868058
20	-9.927507	-18.622075	-22.952486	-21.893131	-12.583234	-8.903645	-15.423929	-12.627123	-17.85823	-10.977157	-13.886797	-37.869011
21	-9.507935	-18.353081	-23.61126	-20.805145	-12.434042	-8.148043	-15.267282	-14.25285	-18.330761	-10.289468	-14.814708	-38.638622
22	-8.930973	-18.021526	-23.698999	-20.02295	-12.396155	-7.593226	-15.332823	-16.23263	-18.755773	-9.755103	-15.810156	-37.283369
23	-8.351818	-17.854652	-23.299697	-19.719074	-12.344436	-7.155039	-15.658829	-18.683238	-19.007266	-9.38491	-16.577579	-34.652458
24	-7.845707	-17.934273	-22.767148	-19.875136	-12.266491	-6.811298	-16.248135	-21.196293	-19.171887	-9.0677	-17.770432	-32.039742
25	-7.443114	-18.354695	-22.475887	-20.113886	-12.319127	-6.548175	-17.075487	-21.79299	-19.104252	-8.743614	-19.054467	-30.490223
26	-7.172766	-19.336861	-22.58218	-20.338762	-12.666981	-6.260723	-18.301977	-19.792727	-18.750956	-8.344578	-20.313618	-29.336002
27	-7.035659	-20.746523	-22.841046	-20.510051	-13.397531	-5.977481	-20.265286	-17.178959	-18.407381	-8.006539	-20.868639	-28.26901
28	-6.990775	-21.771753	-22.938765	-20.359913	-14.229049	-5.749508	-23.204304	-14.799076	-18.271031	-7.847219	-21.042364	-27.577542
29	-7.01891	-22.436844	-22.524304	-20.538032	-15.131321	-5.627226	-27.413855	-13.263895	-18.191102	-7.840448	-20.950451	-27.276886
30	-7.12387	-23.531113	-21.50743	-20.401376	-15.961272	-5.710983	-32.711222	-12.303963	-18.07555	-7.886765	-20.786959	-26.815682
31	-7.320218	-24.888049	-20.454606	-20.26417	-16.775777	-5.473468	-33.944668	-11.878063	-17.690984	-7.972357	-20.679677	-26.502645
32	-7.684643	-25.414609	-19.556217	-19.988088	-17.439831	-5.340089	-30.388533	-11.517115	-16.846764	-8.089876	-20.585461	-26.426225
33	-8.334516	-25.331815	-18.673072	-19.625695	-17.922778	-5.219355	-28.566254	-11.333039	-15.905085	-8.14325	-20.383365	-26.903053
34	-9.187222	-25.248407	-17.87422	-19.286241	-18.295433	-5.056544	-27.759301	-11.366739	-15.129872	-8.03821	-20.247057	-27.378156
35	-10.119341	-25.217455	-17.11135	-19.272961	-18.628506	-4.871837	-27.444592	-11.629124	-14.675701	-7.896286	-20.290106	-27.327084
36	-11.10766	-25.753401	-16.429757	-18.895129	-18.936047	-4.525649	-27.407482	-12.138531	-14.292965	-7.737453	-20.491139	-27.360551
37	-12.159522	-27.418657	-15.654982	-18.164087	-19.127781	-4.227089	-27.817701	-13.006251	-14.037534	-7.496333	-20.774699	-27.906237
38	-13.151035	-31.705075	-14.821012	-17.667103	-19.275282	-4.079703	-28.498186	-13.919521	-13.930142	-7.31509	-20.999832	-28.785125
39	-14.114692	-38.131935	-14.12344	-17.673781	-19.28698	-3.937466	-27.195236	-14.572498	-13.930592	-7.143475	-21.077973	-29.135216
40	-14.987075	-31.739151	-13.489183	-17.8394	-19.216327	-3.836467	-23.927283	-14.613981	-13.895449	-6.968571	-20.920667	-28.58162
41	-15.435262	-26.08713	-12.860613	-17.749035	-19.117612	-3.734144	-20.394209	-14.220636	-13.823166	-6.679591	-20.656826	-27.491757
42	-15.314446	-22.07103	-12.173554	-17.338533	-19.107044	-3.592094	-17.65983	-13.689137	-13.793963	-6.402928	-20.151464	-26.059402
43	-14.831135	-19.295064	-11.579041	-16.919532	-19.2112	-3.449822	-15.419766	-13.427567	-13.757647	-6.171026	-19.265875	-24.952444
44	-14.273484	-17.650731	-11.16898	-16.60208	-19.331753	-3.314292	-14.126227	-13.466452	-13.6394	-5.961337	-18.070622	-24.142855
45	-13.848144	-16.786833	-10.656056	-16.346283	-18.836175	-3.145904	-13.295693	-13.855328	-13.445055	-5.750767	-16.965728	-23.519601
46	-13.484553	-16.332211	-10.104005	-15.996195	-18.325774	-3.079816	-12.849538	-14.875499	-13.217671	-5.547406	-15.880796	-22.655735
47	-13.148357	-16.155847	-9.550633	-15.685984	-17.668606	-2.976439	-12.75331	-16.280392	-13.00148	-5.368852	-14.970081	-21.655312
48	-12.779558	-16.333847	-9.078877	-15.605259	-16.995302	-2.929267	-13.021536	-18.384446	-12.883925	-5.167198	-14.035441	-20.974289
49	-12.347893	-16.930165	-8.635638	-15.602179	-16.240831	-2.866293	-13.743946	-20.137654	-12.853878	-4.975832	-13.253399	-20.499197
50	-11.916213	-17.880782	-8.202397	-15.585793	-15.668702	-2.85483	-15.277276	-20.53341	-12.923954	-4.78121	-12.632534	-20.316042
51	-11.602007	-18.878709	-7.748045	-15.462849	-15.051371	-2.852308	-17.45446	-18.857349	-13.049696	-4.563733	-12.001652	-20.367413
52	-11.30423	-19.705632	-7.366005	-15.510246	-14.594408	-2.839466	-19.886992	-16.422844	-13.231885	-4.328729	-11.346361	-20.63676
53	-11.036694	-20.230916	-6.965609	-15.681866	-14.451849	-2.796315	-21.375318	-14.507208	-13.34278	-4.165037	-10.637081	-21.076641
54	-10.763966	-20.674404	-6.605835	-15.675976	-14.245728	-2.781318	-20.371716	-13.035404	-13.384216	-4.016946	-10.019577	-21.44418
55	-10.444638	-21.282539	-6.24856	-15.617654	-14.125908	-2.805467	-18.247423	-12.200816	-13.306855	-3.807521	-9.458473	-21.984379
56	-10.033787	-22.141964	-5.855969	-15.641911	-13.732509	-2.843081	-16.190783	-11.567636	-13.239315	-3.580324	-8.819874	-22.575902
57	-9.572217	-23.279779	-5.47796	-15.660874	-13.06107	-2.894919	-14.751415	-11.20631	-13.181912	-3.382713	-8.195826	-23.18301
58	-9.11725	-24.577812	-5.154472	-15.666514	-12.368009	-3.014837	-13.822552	-11.217287	-13.147057	-3.241287	-7.634808	-24.164507
59	-8.716298	-25.498914	-4.927813	-15.658123	-11.944081	-3.175856	-13.413723	-11.450303	-13.125355	-3.087255	-7.171973	-25.452942
60	-8.457513	-25.189852	-4.734196	-15.677287	-11.755649	-3.240453	-13.347668	-11.762989	-13.214647	-2.966839	-6.663813	-26.812987
61	-8.390262	-23.680092	-4.51513	-15.835136	-11.960948	-3.361839	-13.524723	-12.096328	-13.399721	-2.867032	-6.230296	-27.724643
62	-8.522821	-21.88973	-4.278463	-16.109173	-12.381771	-3.365212	-13.811505	-12.191555	-13.596652	-2.796115	-5.835598	-28.254488
63	-8.882472	-20.222119	-3.980684	-16.107388	-12.958844	-3.357314	-13.946564	-11.905681	-13.78265	-2.731312	-5.360262	-28.490601
64	-9.479462	-18.695533	-3.701824	-15.884707	-13.512469	-3.312137	-13.793202	-11.237164	-14.06613	-2.664413	-4.841301	-28.662593
65	-10.158445	-17.415405	-3.403843	-15.715552	-13.996548	-3.237066	-13.39022	-10.427406	-14.293841	-2.576908	-4.374424	-28.425323
66	-10.941176	-16.56587	-3.154326	-15.763642	-13.998327	-3.142271	-12.940969	-9.787054	-14.720333	-2.483603	-3.856197	-27.62765
67	-11.776304	-16.086866	-2.940298	-16.147961	-13.453639	-3.055157	-12.705448	-9.532287	-15.396008	-2.3553	-3.323815	-26.336193
68	-12.368052	-15.811834	-2.798393	-17.045951	-12.506268	-2.952886	-12.742087	-9.714507	-16.393329	-2.231123	-2.733043	-24.886559
69	-12.597731	-15.617435	-2.745195	-18.224949	-11.506994	-2.811568	-12.887226	-10.226758	-17.652502	-2.09293	-2.183331	-24.047756
70	-12.54592	-15.466975	-2.726326	-19.840052	-10.271046	-2.674604	-12.946957	-11.102076	-18.612662	-1.892528	-1.668946	-23.794678
71	-12.298693	-15.22801	-2.743122	-21.191229	-9.280312	-2.580913	-12.705767	-12.270049	-19.220284	-1.696126	-1.166098	-23.553602
72	-11.980414	-14.663816	-2.765567	-21.318493	-8.525438	-2.407845	-12.229128	-13.583721	-19.159487	-1.507965	-0.720509	-23.053583
73	-11.711745	-13.872796	-2.715426	-20.818102	-8.071882	-2.18951	-11.592614	-14.2286	-18.734396	-1.337356	-0.31521	-22.160304
74	-11.559922	-13.170186	-2.573204	-20.358692	-7.890279	-1.85521	-11.170451	-14.080216	-18.145504	-1.169071	0.040166	-21.277947
75	-11.552541	-12.555886	-2.384949	-20.369672	-8.075472	-1.466618	-10.827246	-13.413822	-17.746524	-1.053132	0.421907	-20.799
76	-11.675402	-12.037202	-2.170895	-20.690057	-8.507398	-1.001313	-10.745131	-12.485719	-17.883771	-0.996205	0.808668	-20.716639
77	-11.858071	-11.68036	-1.926873	-21.283352	-9.077442	-0.532625	-10.945896	-11.859416	-18.123615	-0.995161	1.23332	-20.715215
78	-12.003696	-11.495187	-1.704857	-22.270053	-9.759159	-0.008778	-11.323999	-11.440828	-18.920126	-0.925185	1.656174	-20.575398
79	-12.036872	-11.455708	-1.530664	-23.541263	-10.587647	0.583625	-11.920621	-11.186389	-20.013779	-0.750014	2.070889	-20.181908
80	-11.995177	-11.529515	-1.397868	-23.496769	-11.5257	1.116314	-12.639683	-11.030609	-21.24912	-0.521029	2.461738	-19.817812
81	-11.940197	-11.599881	-1.287539	-21.685249	-12.286169	1.633612	-13.453016	-10.897574	-21.954451	-0.284131	2.786639	-19.627492
82	-11.949961	-11.51154	-1.245448	-20.251752	-12.885349	2.019757	-14.112148	-10.787305	-21.934565	-0.000542	3.105335	-19.303621
83	-12.11435	-11.202348	-1.268807	-19.050687	-13.135739	2.260304	-14.559254	-10.717825	-21.478126	0.248012	3.332635	-18.965237
84	-12.45006	-10.747784	-1.325829	-18.282008	-13.502442	2.350839	-14.668576	-10.649638	-20.778567	0.462946	3.524815	-18.693352
85	-12.941561	-10.296794	-1.331527	-17.715363	-13.841233	2.431993	-14.502215	-10.612847	-19.706276	0.649604	3.697052	-18.285576
86	-13.836889	-9.968333	-1.241211	-17.504301	-14.223614	2.565597	-14.069504	-10.599126	-18.703447	0.84867	3.848899	-17.779302
87	-15.090788	-9.857621	-1.090318	-17.756138	-14.680157	2.669466	-13.484421	-10.629572	-18.074803	1.093918	4.005137	-17.317938
88	-16.32546	-10.050019	-0.898055	-18.893362	-15.501076	2.808498	-12.854582	-10.779026	-17.781366	1.345693	4.122123	-17.131882
89	-17.692051	-10.501771	-0.660076	-20.286493	-16.765712	2.899745	-12.280279	-11.16442	-18.069704	1.641416	4.187766	-17.439831
90	-18.997547	-11.103989	-0.423047	-20.389025	-19.128864	3.035606	-11.802523	-11.760195	-18.799015	1.981056	4.215029	-17.68734
91	-20.021538	-11.92846	-0.219013	-19.693627	-24.198146	3.137919	-11.262937	-12.664176	-19.662393	2.325781	4.227405	-17.468931
92	-20.540177	-12.92016	0.003941	-18.858158	-30.726588	3.174671	-10.686816	-13.758269	-20.675206	2.61038	4.236177	-17.084523
93	-20.499109	-13.976637	0.165699	-18.159447	-25.638889	3.166462	-10.137215	-14.882755	-20.519924	2.944434	4.287094	-16.763958
94	-19.944684	-15.060767	0.269979	-18.046859	-20.627465	3.089028	-9.561658	-15.625054	-19.626775	3.202158	4.382339	-16.701958
95	-18.99601	-16.005101	0.361729	-18.29483	-18.064598	3.009475	-9.122408	-15.184139	-18.251583	3.379412	4.435223	-16.857408
96	-17.893452	-16.715559	0.465773	-18.437168	-16.710934	2.975368	-8.79032	-13.986796	-17.81232	3.558617	4.416291	-17.053166
97	-16.862272	-17.336029	0.643609	-17.804759	-16.01221	2.987431	-8.638706	-12.84135	-17.97557	3.790016	4.371367	-17.188966
98	-16.053148	-18.191534	0.975829	-16.682345	-15.46307	3.051317	-8.641625	-11.749675	-18.563492	4.037442	4.3501	-17.42629
99	-15.449393	-19.890948	1.500391	-14.926704	-15.163954	3.157993	-8.867637	-11.094366	-19.461601	4.252312	4.407774	-17.752148
100	-14.999369	-22.935149	2.037692	-13.298153	-14.97735	3.317216	-9.368798	-10.748417	-20.854908	4.444171	4.577373	-17.988051
101	-14.635645	-28.834766	2.433431	-12.709576	-15.009396	3.449706	-9.963734	-10.726707	-22.698534	4.575544	4.808433	-17.981125
102	-14.280829	-32.930397	2.738706	-13.002319	-15.068383	3.585951	-10.611764	-11.002019	-24.313832	4.698112	5.044446	-17.71506
103	-13.922999	-28.664326	2.942849	-13.645687	-15.223431	3.756544	-10.859666	-11.47317	-22.92647	4.793457	5.236204	-17.439686
104	-13.651069	-22.897377	3.022768	-13.645996	-15.239717	3.867025	-10.681255	-11.792935	-22.319785	4.823139	5.383853	-17.30554
105	-13.433041	-19.822911	3.164681	-12.692013	-15.498327	3.921141	-10.09232	-12.00622	-22.182018	4.817333	5.463473	-17.483794
106	-13.172072	-17.921565	3.398528	-11.959305	-16.228043	3.960403	-9.391691	-12.141941	-23.484462	4.771101	5.555336	-18.49337
107	-12.966203	-17.075777	3.728832	-12.015814	-17.4393	4.048922	-8.679655	-12.260479	-27.637472	4.742397	5.690314	-20.224618
108	-12.788009	-17.229643	4.054178	-12.903988	-18.869297	4.173479	-8.304312	-12.406178	-37.197239	4.757706	5.826612	-21.932093
109	-12.619831	-18.01675	4.291508	-14.461308	-20.47016	4.354768	-8.122267	-12.579336	-32.640168	4.748092	6.006473	-23.185681
110	-12.471802	-19.362019	4.365639	-15.915161	-22.101077	4.473372	-7.994231	-12.870273	-24.754638	4.681541	6.143473	-22.781929
111	-12.453748	-21.456238	4.2919	-16.993733	-23.161289	4.460758	-7.901491	-13.449845	-22.81349	4.631484	6.17429	-21.246311
112	-12.783827	-24.686375	4.200117	-17.436593	-21.95096	4.335622	-7.832997	-14.01114	-22.401504	4.631526	6.064403	-21.539995
113	-13.681559	-29.760858	4.052627	-18.841759	-18.968334	4.235336	-7.696863	-14.384628	-23.241818	4.643741	5.9375	-23.648776
114	-14.981246	-33.017142	4.049261	-21.594692	-17.282131	4.147926	-7.471026	-14.437146	-24.7055	4.684489	5.913637	-28.276165
115	-16.62789	-31.116269	4.239161	-26.013045	-15.845803	4.020911	-7.27358	-14.500428	-23.263519	4.7383	5.981159	-27.074674
116	-19.150011	-28.211835	4.399374	-21.731413	-14.483036	3.942636	-7.237408	-14.675383	-19.718189	4.844937	6.03703	-22.415259
117	-24.565416	-26.072586	4.43767	-16.555088	-13.334412	3.932697	-7.405674	-14.857051	-16.71871	4.944656	5.953158	-19.793255
118	-30.140439	-23.844055	4.396708	-14.165487	-12.961155	4.066845	-7.786111	-14.902456	-15.014802	4.946525	5.716939	-19.017032
119	-26.188997	-21.981288	4.190695	-13.359961	-13.15049	4.159342	-8.272267	-14.886799	-14.688386	4.988474	5.523256	-18.988188
120	-20.607388	-20.913364	3.880818	-13.820284	-13.95485	4.181055	-8.825223	-15.07169	-15.622651	5.079916	5.413345	-18.935937
121	-17.866947	-20.251646	3.793331	-14.361669	-15.334328	4.148949	-9.246645	-15.487415	-18.145128	5.203998	5.470875	-17.701435
122	-16.184702	-19.605664	3.931434	-13.441748	-16.657625	4.076341	-9.442711	-15.857365	-20.755245	5.312841	5.666864	-15.418051
123	-15.042235	-18.934879	4.245877	-11.440825	-17.523214	4.11297	-9.33818	-15.830136	-19.394083	5.311795	5.848209	-13.439461
124	-14.553712	-18.365353	4.568144	-10.109915	-18.788002	4.257929	-8.967104	-15.552727	-16.289876	5.247942	5.764873	-12.585739
125	-14.629114	-18.086066	4.649635	-9.972136	-21.383516	4.375908	-8.404006	-15.382674	-14.820372	5.143065	5.607872	-12.531835
126	-15.055182	-18.130504	4.455117	-11.154836	-26.288016	4.456905	-7.912763	-15.449894	-15.278095	5.112281	5.529987	-13.244752
127	-15.959992	-18.200856	4.230007	-13.262833	-30.819285	4.487459	-7.580655	-15.657862	-17.778738	5.133812	5.592357	-13.924186
128	-17.305685	-18.126931	4.05262	-14.121861	-21.934384	4.452315	-7.389724	-15.799527	-24.089599	5.147177	5.743969	-14.173728
129	-19.398195	-18.083611	4.145356	-12.792555	-16.8865	4.406728	-7.369198	-15.811985	-32.485336	5.059096	5.935373	-13.796742
130	-22.667536	-18.387612	4.385464	-11.605418	-14.06416	4.341062	-7.549548	-15.465326	-23.415942	4.749122	5.944458	-13.23675
131	-26.555374	-18.84287	4.646811	-11.388512	-11.872807	4.377881	-7.864685	-14.900147	-19.662638	4.457859	5.781718	-13.113062
132	-24.522307	-19.299031	4.757555	-12.643513	-10.891306	4.468635	-8.169628	-14.250166	-19.765806	4.256426	5.593137	-13.55743
133	-19.600789	-19.890765	4.673258	-15.674202	-10.344327	4.55772	-8.402396	-13.620001	-24.675038	4.257191	5.392274	-14.634213
134	-16.319053	-20.817314	4.388994	-18.983068	-9.899573	4.488109	-8.583006	-13.124977	-31.172147	4.328445	5.299215	-16.218217
135	-14.222586	-22.811655	4.009074	-18.41795	-9.136214	4.296989	-8.738615	-12.607772	-20.641667	4.260683	5.277759	-17.572544
136	-12.633207	-25.828752	3.732481	-16.626623	-8.187405	4.145568	-8.893932	-12.27854	-15.433115	4.00568	5.186925	-18.307564
137	-11.75433	-29.493439	3.636429	-16.366909	-7.442577	4.047087	-9.118528	-12.125861	-13.607479	3.679835	4.898911	-18.112581
138	-11.285622	-34.095322	3.64609	-18.79084	-7.010198	4.030071	-9.237794	-12.047442	-14.096447	3.609356	4.404327	-17.195794
139	-11.030326	-38.137997	3.589473	-23.150912	-7.03047	4.013381	-9.3076	-12.01391	-17.078943	3.863735	3.859094	-16.443068
140	-11.048105	-32.742228	3.389999	-23.540369	-7.39311	3.945394	-9.351647	-12.363112	-18.427166	4.09011	3.564677	-16.271689
141	-11.431479	-27.94833	3.136871	-21.581288	-7.970809	3.711463	-9.503622	-13.256169	-14.654791	4.030992	3.620934	-16.698927
142	-12.220734	-26.407498	2.891196	-23.125637	-8.99488	3.327802	-9.841889	-14.337464	-11.248305	3.785412	3.778424	-17.753446
143	-13.205152	-25.397755	2.805446	-26.065197	-9.762395	2.820497	-10.242306	-15.242599	-10.09617	3.555293	3.709452	-19.001331
144	-14.010546	-23.381087	2.855329	-22.932209	-10.289768	2.188233	-10.593883	-15.903546	-10.414193	3.508548	3.295271	-19.411369
145	-14.354403	-21.477405	2.989423	-18.643315	-10.50407	1.748207	-10.65838	-16.920199	-12.584711	3.63165	2.64932	-18.002491
146	-14.236169	-20.158877	3.125172	-16.641649	-10.768759	1.590366	-10.417452	-18.433586	-15.261135	3.731113	2.122046	-16.295888
147	-13.480735	-18.99624	3.201558	-16.772406	-12.096505	1.440223	-10.007965	-20.172918	-15.110737	3.647051	1.982104	-15.153782

Degree	Antenna 3						Antenna 4					
	X-AXIS		Y-AXIS		Z-AXIS		X-AXIS		Y-AXIS		Z-AXIS	
	H	V	H	V	H	V	H	V	H	V	H	V
0	-10.997044	-10.704899	-12.068318	-22.559254	-27.306721	-11.822346	-8.995304	-8.260864	-19.928483	-20.566247	-25.937412	-27.931034
1	-10.926256	-10.967632	-12.197266	-25.647236	-25.997685	-12.135334	-8.791147	-8.422726	-21.106133	-20.534071	-24.715046	-30.686699
2	-10.233735	-11.697655	-12.662028	-25.185375	-25.471772	-12.401058	-8.825778	-8.63442	-23.390472	-21.662243	-24.087013	-36.616902
3	-9.424664	-12.642068	-13.375408	-21.879856	-25.664674	-12.514729	-8.990583	-8.854048	-26.392391	-23.680897	-23.75769	-42.91486
4	-8.257565	-13.461397	-14.330919	-19.278065	-25.947544	-12.431637	-9.265824	-9.024826	-29.214311	-28.04454	-23.507507	-41.732899
5	-7.171444	-14.099426	-15.089802	-16.996324	-25.440833	-12.468081	-9.674961	-9.170032	-30.044662	-38.703975	-23.973356	-34.418582
6	-6.350414	-14.114283	-15.335272	-16.017658	-24.596668	-12.873477	-10.222395	-9.294185	-28.888065	-32.351113	-25.224056	-29.110221
7	-5.886677	-13.528518	-15.14719	-15.909541	-23.614068	-13.493561	-10.888893	-9.355252	-26.487725	-24.674226	-27.801303	-25.551972
8	-5.550824	-12.640424	-14.664099	-16.355888	-23.318436	-13.696191	-11.589291	-9.252296	-25.381199	-20.727521	-29.538838	-23.673858
9	-5.397056	-11.839871	-13.913031	-17.179671	-23.612984	-13.329701	-12.2747	-9.026125	-25.195308	-18.623769	-33.081089	-22.406319
10	-5.515204	-10.96342	-12.758786	-18.218516	-24.201501	-12.758652	-12.736992	-8.858399	-25.545454	-17.34919	-38.254343	-21.075291
11	-5.873985	-10.329014	-11.583767	-20.359389	-25.198513	-12.27084	-13.150996	-8.828648	-25.758042	-16.436935	-39.139455	-20.34419
12	-6.213745	-9.918967	-10.669628	-23.13697	-26.290209	-12.011418	-13.695448	-8.858246	-25.564196	-15.692624	-32.370928	-19.981117
13	-6.451831	-9.815041	-10.330926	-26.845349	-27.024203	-11.862037	-14.654378	-8.922326	-25.454064	-15.196839	-29.063199	-19.753625
14	-6.805506	-9.919314	-10.274161	-29.671855	-26.6877	-11.610474	-15.569475	-9.06765	-26.091836	-15.019431	-27.064852	-19.340405
15	-7.456519	-10.053556	-10.330506	-27.157795	-25.383526	-11.308163	-16.190714	-9.340833	-27.313251	-15.003684	-26.556691	-19.05389
16	-8.175477	-10.038594	-10.387141	-23.433468	-23.870556	-11.089978	-16.162421	-9.71494	-29.790086	-14.903169	-25.19863	-18.94848
17	-8.636875	-9.895106	-10.495339	-21.653936	-22.783003	-10.950724	-15.673329	-10.149516	-32.984772	-14.857903	-23.395503	-19.157019
18	-8.551887	-9.77025	-10.76066	-20.398315	-21.773209	-10.823818	-15.152689	-10.658752	-35.662019	-14.586888	-22.766817	-19.671045
19	-8.383446	-9.721769	-11.29892	-19.183172	-21.333676	-10.644294	-14.75821	-11.16288	-35.992478	-14.190221	-21.483009	-19.915392
20	-8.422142	-9.849662	-11.877449	-18.300464	-21.343957	-10.490075	-14.503437	-11.589682	-33.411382	-13.419188	-21.093737	-19.670284
21	-8.680055	-10.259842	-12.279196	-18.029377	-21.52994	-10.367322	-14.384936	-11.733045	-30.584443	-12.679542	-19.872868	-19.211624
22	-9.095701	-10.813816	-12.644231	-18.244488	-21.683508	-10.260845	-14.412909	-11.579132	-28.498826	-11.75377	-19.777035	-19.072187
23	-9.667097	-11.669733	-13.084919	-18.437271	-21.405035	-10.098109	-14.685299	-11.317188	-26.232852	-11.004717	-19.508576	-19.155907
24	-10.304829	-12.364033	-13.504628	-18.985907	-20.878929	-9.880152	-15.434795	-11.075472	-24.25686	-10.265293	-19.457112	-19.574528
25	-10.617783	-13.198233	-13.899044	-19.613134	-20.459253	-9.704281	-16.477073	-10.850232	-22.157277	-9.598126	-19.345847	-19.749748
26	-10.761368	-14.230186	-14.229383	-20.243504	-20.194178	-9.652314	-17.735725	-10.601578	-20.738285	-9.028917	-19.119728	-19.915094
27	-10.87123	-15.490032	-14.415939	-20.37649	-20.063133	-9.729738	-19.451526	-10.401223	-19.677514	-8.386852	-18.890469	-19.936872
28	-10.755989	-17.420522	-14.307413	-20.544789	-20.061143	-9.779606	-22.379456	-10.181956	-18.901456	-7.746268	-18.5625	-19.643665
29	-10.395522	-19.731436	-14.050317	-21.17288	-20.263979	-9.697737	-27.293335	-9.913605	-18.341827	-7.328704	-18.411713	-18.633455
30	-9.903039	-22.157401	-13.826931	-22.226649	-20.56451	-9.576411	-36.535884	-9.649985	-17.809245	-6.998448	-18.19779	-19.807545
31	-9.259581	-24.369164	-13.663781	-23.489007	-20.760891	-9.439714	-32.572777	-9.49283	-17.38127	-6.702718	-18.413277	-19.490032
32	-8.647748	-26.66988	-13.435353	-25.731506	-20.609491	-9.260313	-26.207108	-9.406561	-17.037152	-6.366484	-18.261843	-19.488327
33	-8.280552	-27.285946	-13.186909	-28.973301	-20.173911	-8.972523	-23.243776	-9.315794	-16.705217	-6.042888	-18.581853	-19.312684
34	-8.061175	-26.090218	-12.971186	-32.573904	-19.564722	-8.554628	-21.258359	-9.223854	-16.260142	-5.734646	-18.574005	-19.415253
35	-7.829564	-24.187442	-12.778118	-35.15939	-18.786372	-8.067565	-19.542766	-9.12562	-15.945879	-5.448269	-18.484973	-18.996586
36	-7.637055	-22.792263	-12.751179	-36.14027	-18.157074	-7.588715	-18.259224	-8.976663	-15.724973	-5.206813	-18.514397	-19.028355
37	-7.553483	-22.542484	-12.729644	-36.08703	-17.667973	-7.019834	-17.451846	-8.766134	-15.536569	-4.995306	-18.71998	-19.270077
38	-7.663551	-23.825811	-12.743818	-31.878816	-17.237242	-6.447355	-16.99046	-8.608762	-15.353989	-4.765146	-18.886148	-18.894428
39	-8.207516	-27.640919	-12.766386	-28.912712	-16.522179	-5.837554	-16.813687	-8.521182	-15.22949	-4.587161	-19.245167	-19.227638
40	-9.276653	-34.168619	-12.810461	-25.952095	-15.635179	-5.343014	-16.637242	-8.452262	-15.048791	-4.44929	-19.356899	-19.447274
41	-10.990582	-26.557971	-12.838932	-23.903389	-14.721598	-4.875858	-16.318455	-8.374918	-14.795627	-4.349854	-19.849162	-19.169839
42	-12.699279	-19.890873	-12.893849	-22.26698	-14.001613	-4.436355	-15.711126	-8.256152	-14.50527	-4.260987	-20.183079	-18.894644
43	-13.970086	-16.061611	-12.911505	-21.349558	-13.382445	-4.064702	-14.998565	-8.129895	-14.344584	-4.166753	-19.519778	-18.615879
44	-13.840099	-13.266572	-12.831638	-20.52471	-12.841391	-3.703878	-14.337353	-8.004063	-14.195877	-4.060627	-19.441719	-18.518408
45	-12.483148	-11.064657	-12.751857	-19.992127	-12.451	-3.428523	-13.740881	-7.90306	-14.003638	-3.993472	-19.050671	-18.473083
46	-10.514007	-9.703409	-12.765904	-19.417492	-12.076435	-3.167801	-13.025746	-7.851385	-13.727314	-3.973347	-19.327994	-17.812785
47	-8.727152	-8.86888	-12.725521	-19.015949	-11.715331	-2.948978	-12.387789	-7.861723	-13.426721	-3.981959	-18.942933	-17.303172
48	-7.625469	-8.443439	-12.53612	-18.901919	-11.328097	-2.779002	-11.88377	-7.976988	-13.155895	-3.968076	-18.108322	-16.942995
49	-6.850266	-8.497662	-12.324516	-19.070721	-10.977024	-2.64159	-11.420715	-8.235631	-12.946161	-3.947162	-17.161358	-16.595763
50	-6.447077	-8.911977	-12.223491	-19.221984	-10.775713	-2.58238	-11.026685	-8.611614	-12.734456	-3.952957	-16.247006	-16.546593
51	-6.430336	-9.735254	-12.107334	-19.612984	-10.714923	-2.577574	-10.807617	-9.094934	-12.460344	-3.965405	-15.292089	-16.057409
52	-6.645683	-11.505367	-11.915619	-19.814686	-10.77795	-2.610544	-10.790176	-9.638102	-12.225753	-3.99586	-14.551874	-15.548176
53	-6.893809	-14.069817	-11.556192	-20.259365	-10.923011	-2.677458	-10.930823	-10.23858	-11.983	-4.091695	-13.509093	-15.104695
54	-7.158123	-17.724209	-11.142452	-20.136555	-11.047001	-2.771664	-11.309542	-10.742334	-11.712142	-4.248583	-12.474284	-14.623703
55	-7.327373	-20.485942	-10.812989	-19.803324	-11.103876	-2.876573	-11.827644	-11.145294	-11.351762	-4.421268	-11.43553	-14.138667
56	-7.421081	-18.341935	-10.435805	-19.210804	-11.091536	-2.965641	-12.438999	-11.376279	-10.958284	-4.636401	-10.382279	-13.78912
57	-7.48879	-15.074688	-10.07198	-18.609259	-11.0378	-3.027798	-12.944404	-11.379013	-10.547922	-4.864854	-9.218109	-13.586164
58	-7.580456	-13.009573	-9.631552	-18.120163	-10.998889	-3.100088	-13.342319	-11.226121	-10.132504	-5.137422	-8.355775	-13.377349
59	-7.762825	-12.025072	-9.202462	-17.442284	-11.076721	-3.161708	-13.503071	-11.008172	-9.745331	-5.406854	-7.544845	-13.120896
60	-8.061621	-11.989776	-8.816876	-16.759263	-11.294309	-3.200636	-13.288477	-10.683766	-9.461459	-5.633026	-6.768727	-12.87258
61	-8.475922	-12.918186	-8.252299	-15.957542	-11.594369	-3.191634	-12.711864	-10.310568	-9.337993	-5.752485	-6.025971	-12.756386
62	-8.997299	-14.803562	-7.517445	-15.384477	-12.042109	-3.127501	-12.049633	-9.968242	-9.432084	-5.781063	-5.309349	-12.853173
63	-9.543375	-18.334185	-6.657602	-14.8292	-12.575915	-3.01299	-11.357845	-9.688267	-9.708511	-5.725606	-4.656975	-13.051488
64	-10.032416	-25.163571	-5.865065	-14.518376	-13.197308	-2.890153	-10.675762	-9.459698	-10.088564	-5.564483	-3.934343	-13.413578
65	-10.069859	-26.730891	-5.101882	-14.269243	-13.726008	-2.758729	-10.062191	-9.354365	-10.635238	-5.300216	-3.32328	-14.027111
66	-9.599813	-20.891289	-4.365027	-14.106165	-14.261752	-2.619051	-9.551794	-9.401502	-11.254388	-5.011399	-2.785866	-14.75293
67	-8.690355	-17.34755	-3.792244	-14.175282	-14.697636	-2.447775	-9.105425	-9.673829	-11.867576	-4.65628	-2.264278	-15.388747
68	-7.641136	-15.786047	-3.333565	-14.456195	-15.188962	-2.244501	-8.729845	-10.243091	-12.433225	-4.278243	-1.873979	-15.563962
69	-6.783487	-15.317417	-3.046209	-14.750038	-15.791138	-2.033039	-8.507783	-10.997637	-12.858509	-3.864448	-1.522312	-15.282032
70	-6.316919	-16.201964	-2.743173	-15.139778	-16.749941	-1.825983	-8.535031	-12.006787	-13.105927	-3.474671	-1.222803	-14.944737
71	-6.246243	-18.192593	-2.422202	-14.98308	-18.616801	-1.604442	-8.797241	-13.240509	-13.161649	-3.073668	-1.018682	-14.613362
72	-6.616817	-20.524197	-2.005455	-14.387245	-21.623551	-1.293283	-9.373144	-14.482185	-13.151324	-2.572503	-0.882828	-14.337522
73	-7.370723	-20.252783	-1.532434	-13.488992	-25.736885	-0.962737	-10.263959	-15.659165	-13.158231	-1.995097	-0.880829	-14.137205
74	-8.285197	-18.38761	-1.017839	-12.866177	-27.075219	-0.623599	-11.360098	-16.249218	-13.171112	-1.483376	-0.870002	-14.051663
75	-9.194757	-16.791126	-0.426518	-12.382134	-23.017002	-0.294117	-12.613829	-16.146719	-13.256898	-1.034928	-0.871922	-14.227874
76	-9.616564	-16.191431	0.110304	-12.218512	-19.48779	0.057233	-13.47494	-15.460729	-13.399245	-0.649482	-0.879462	-14.514495
77	-9.408962	-16.336622	0.55951	-12.544742	-17.369694	0.363396	-13.622967	-14.51173	-13.484675	-0.375623	-0.920056	-15.223972
78	-8.777657	-17.205061	0.885937	-13.306324	-16.048991	0.58192	-12.996358	-13.710941	-13.484834	-0.174628	-0.974457	-16.529501
79	-8.068373	-18.72863	1.101903	-14.316364	-15.251955	0.806729	-12.010204	-13.092166	-13.438312	-0.075347	-1.042702	-18.078332
80	-7.526913	-20.435158	1.227609	-14.914449	-14.957005	1.005884	-10.896008	-12.642127	-13.325444	-0.081906	-1.053433	-19.55456
81	-7.337362	-21.317386	1.335059	-14.922415	-14.887202	1.199831	-9.933166	-12.479628	-13.015625	-0.167157	-1.022082	-20.002534
82	-7.426444	-21.459213	1.501576	-14.520458	-14.784916	1.350531	-9.223266	-12.55139	-12.56531	-0.25192	-0.919575	-19.361298
83	-7.872054	-22.07438	1.807572	-13.855701	-14.314228	1.472411	-8.684883	-12.825348	-11.956166	-0.349966	-0.773857	-18.770769
84	-8.71333	-23.818493	2.161834	-13.287051	-12.957195	1.589133	-8.372945	-13.37591	-11.325619	-0.383348	-0.642379	-18.585185
85	-9.646179	-25.802757	2.61252	-12.962078	-11.572357	1.739311	-8.32943	-14.200516	-10.877913	-0.300962	-0.471367	-18.328064
86	-10.305244	-25.445953	2.992004	-13.208111	-10.252079	1.904321	-8.535866	-15.481143	-10.583052	-0.117211	-0.233487	-18.097402
87	-10.173371	-22.332287	3.254018	-14.040756	-9.440823	2.095211	-8.998814	-16.796561	-10.456242	0.148154	0.0159	-18.20615
88	-9.365166	-19.282421	3.339166	-15.11197	-8.911762	2.336565	-9.800926	-18.11277	-10.484989	0.523897	0.292541	-18.564791
89	-8.364769	-17.004072	3.29429	-15.856505	-8.858057	2.59344	-10.868809	-19.05122	-10.751164	0.896979	0.561492	-19.4218
90	-7.541779	-15.749455	3.203102	-16.411754	-9.265654	2.890452	-12.267073	-19.43059	-11.318828	1.318112	0.885731	-18.450306
91	-6.945827	-15.251075	3.274061	-16.536144	-9.992923	3.149974	-13.615826	-19.070378	-12.277133	1.725078	1.158487	-18.752722
92	-6.784661	-15.234078	3.577884	-16.734288	-10.719608	3.371658	-14.565989	-18.226968	-13.1754	2.053561	1.43276	-18.633404
93	-7.038659	-15.61678	4.035095	-17.204224	-11.29275	3.607433	-14.501766	-17.013905	-13.947885	2.332562	1.698356	-19.092228
94	-7.628248	-16.721242	4.4007	-18.330448	-11.339768	3.856146	-13.624572	-15.750942	-14.514525	2.623825	1.993108	-18.433563
95	-8.554692	-18.132109	4.605132	-19.803127	-10.800871	4.060132	-12.367382	-14.699696	-14.711543	3.041514	2.315483	-18.019543
96	-9.918902	-19.441781	4.556442	-22.584961	-10.177335	4.235973	-11.251463	-13.934635	-14.674943	3.549334	2.642887	-16.659558
97	-11.233268	-19.244415	4.361716	-25.368366	-9.558042	4.398373	-10.326786	-13.51582	-14.491357	4.145609	2.93293	-14.92513
98	-12.321072	-17.917695	4.267428	-25.852684	-9.385628	4.535976	-9.593792	-13.273289	-14.237963	4.673659	3.153919	-13.122715
99	-12.557867	-16.351508	4.431156	-22.843657	-9.886826	4.643761	-9.128151	-13.166023	-13.932263	5.117116	3.400056	-11.72067
100	-12.201342	-15.19339	4.847744	-19.79703	-10.926823	4.784731	-8.80883	-13.184077	-13.780455	5.444198	3.485161	-10.882252
101	-11.67577	-14.423294	5.13477	-18.983874	-12.637392	4.935878	-8.716995	-13.314088	-13.766763	5.59999	3.519941	-10.550626
102	-11.283417	-14.002331	5.274515	-19.379799	-14.559826	5.06387	-8.783164	-13.692449	-13.483022	5.622819	3.535309	-10.690042
103	-11.10851	-13.743615	5.18329	-20.226431	-15.749697	5.149212	-9.056221	-14.379406	-12.914534	5.624602	3.550048	-11.170956
104	-11.127514	-13.88302	4.995256	-19.393335	-15.481499	5.181114	-9.624794	-15.258539	-11.954011	5.632605	3.535764	-11.69898
105	-11.178191	-14.615376	4.924518	-17.013036	-14.716271	5.123316	-10.324667	-16.343842	-10.673933	5.713011	3.528099	-12.349358
106	-11.405464	-15.645771	5.145671	-14.95713	-14.147305	5.041574	-11.093701	-17.598618	-9.492995	5.83285	3.553579	-13.076621
107	-11.910862	-16.719238	5.486798	-13.608324	-14.188922	5.051568	-11.69361	-18.803752	-8.693248	5.905732	3.583598	-13.067827
108	-12.652189	-17.742733	5.688948	-13.183561	-14.799086	5.1456	-11.953121	-19.946989	-8.308637	5.885102	3.639984	-12.739134
109	-13.846981	-18.691924	5.622981	-13.59053	-15.803961	5.298008	-11.836292	-20.862231	-8.330793	5.755302	3.806408	-12.593659
110	-15.297023	-18.631928	5.392253	-14.350071	-17.170612	5.465316	-11.449004	-21.115189	-8.641559	5.547046	4.009716	-12.753719
111	-16.878445	-17.493254	5.22773	-13.931718	-18.290993	5.574904	-10.714075	-20.24198	-9.028947	5.332507	4.147838	-13.378681
112	-18.486226	-16.253051	5.280937	-12.517307	-19.304046	5.636688	-9.814844	-19.261265	-9.053431	5.271434	4.212762	-14.009918
113	-20.295837	-15.220188	5.473858	-11.323163	-20.316189	5.706943	-8.884745	-18.70229	-8.980644	5.333339	4.33771	-14.55325
114	-22.276373	-14.74569	5.728836	-11.047359	-19.715169	5.739012	-8.040683	-18.596514	-9.011014	5.470289	4.455665	-15.041412
115	-23.722917	-14.31292	5.750138	-11.208929	-17.412728	5.72129	-7.380791	-18.411376	-9.394033	5.602217	4.571591	-15.536357
116	-24.550038	-13.822412	5.517815	-12.088128	-14.389896	5.686641	-6.820778	-18.339749	-10.057729	5.686706	4.695778	-15.668116
117	-24.873006	-13.549711	5.333782	-12.699667	-12.222885	5.653786	-6.407839	-18.734425	-10.926549	5.715693	4.840483	-15.504957
118	-25.781593	-13.392545	5.456547	-12.728173	-10.776358	5.680588	-6.094468	-19.338395	-11.430509	5.65673	4.997948	-14.945589
119	-28.296917	-13.200167	5.82543	-11.971235	-10.483462	5.766649	-6.002499	-19.995083	-11.32235	5.597046	5.149372	-13.937653
120	-33.61246	-12.88426	6.118618	-10.898028	-11.209496	5.860216	-6.167158	-20.132444	-11.263728	5.621543	5.209616	-12.614244
121	-39.516467	-12.558045	6.135636	-10.347799	-12.444294	5.932599	-6.495553	-19.968835	-11.837031	5.784149	5.18679	-11.44783
122	-34.199024	-12.200948	5.996357	-10.489639	-13.305491	5.955817	-6.877473	-19.830863	-13.521246	6.067065	5.095237	-10.641369
123	-27.663207	-11.914555	5.880107	-11.371086	-12.584607	5.90701	-7.385412	-19.576747	-14.647409	6.159569	4.950817	-10.477095
124	-23.222054	-11.879073	5.915411	-12.657963	-11.087474	5.842405	-8.030595	-19.143386	-15.038196	6.09238	4.785783	-10.647783
125	-20.1414	-12.053023	6.130946	-13.052223	-9.645737	5.747362	-8.823872	-18.815311	-14.328865	5.904471	4.626304	-10.945139
126	-17.587875	-12.253625	6.15438	-11.901415	-8.972324	5.651981	-9.553038	-18.507353	-14.197635	5.591529	4.486343	-11.313461
127	-15.559117	-12.181776	5.960479	-10.330547	-9.039408	5.552179	-10.380621	-18.09083	-15.252065	5.326791	4.383636	-11.964124
128	-13.812618	-11.937069	5.668025	-9.601301	-9.981134	5.507767	-11.304041	-17.63464	-17.221895	5.201682	4.238279	-12.623439
129	-12.590364	-11.733737	5.413229	-9.86997	-11.341028	5.487051	-12.311067	-17.32665	-20.361916	5.125054	4.111236	-13.520762
130	-11.749394	-11.54538	5.286929	-11.42548	-13.28189	5.499001	-13.441927	-16.843393	-21.791422	5.026697	3.958192	-13.706559
131	-11.436112	-11.452054	5.23781	-14.463094	-15.069737	5.518111	-14.427863	-16.107495	-20.473106	4.852522	3.880113	-13.382732
132	-11.685791	-11.706672	5.013073	-17.056996	-15.873608	5.487713	-15.066555	-15.614625	-19.79197	4.551509	3.8472	-13.553162
133	-12.092601	-12.315243	4.634624	-17.220662	-15.736862	5.424571	-15.11985	-15.219329	-20.596697	4.176629	3.814905	-13.998968
134	-12.278107	-12.977627	4.321228	-15.824505	-15.487418	5.326803	-14.570099	-14.921131	-22.791721	3.860618	3.765702	-14.509091
135	-12.387334	-13.854096	4.360042	-15.782509	-15.526482	5.277935	-13.747617	-14.789024	-25.359292	3.769939	3.753973	-14.724801
136	-12.600095	-14.682533	4.668522	-17.6587	-15.854407	5.336109	-13.041991	-14.912387	-28.674702	3.728212	3.746655	-14.363374
137	-13.055683	-15.081142	4.782799	-22.703374	-15.997156	5.394599	-12.465763	-15.216148	-31.035357	3.770394	3.752002	-13.715138
138	-13.624666	-15.371515	4.586727	-27.347164	-15.779394	5.359527	-11.800911	-15.604942	-35.066123	3.785665	3.715355	-13.38422
139	-13.921687	-15.760615	4.201453	-22.131071	-15.722757	5.261783	-10.933008	-16.056984	-32.746815	3.700432	3.639566	-13.066222
140	-13.440693	-15.218159	3.989197	-20.652086	-16.256291	5.206439	-10.114186	-16.683035	-24.490107	3.561858	3.510134	-12.653629
141	-12.215853	-14.427345	4.066603	-25.526748	-16.986669	5.184107	-9.347605	-17.707745	-20.300998	3.469456	3.401081	-11.880274
142	-11.09717	-14.283343	4.307366	-33.388157	-17.115394	5.127291	-8.929742	-18.777846	-18.751752	3.560618	3.285039	-10.807201
143	-10.185356	-14.73646	4.322666	-20.351171	-15.568936	4.956594	-8.675557	-19.355868	-17.660291	3.764972	3.187799	-9.961765
144	-9.350375	-15.352052	3.952176	-16.463086	-12.98995	4.707346	-8.50455	-19.761612	-17.272191	3.839941	3.092644	-9.774731
145	-8.708808	-15.997298	3.419265	-15.916516	-10.972026	4.470289	-8.550047	-20.509511	-17.480348	3.714162	3.060744	-10.017868
146	-8.156406	-16.584845	3.359204	-19.335229	-9.863514	4.26864	-8.851768	-21.047772	-18.156584	3.397204	3.081867	-10.700109
147	-7.797501	-17.140859	3.709011	-37.164601	-9.617222	4.097984	-9.270826	-20.565156	-19.259194	3.248841	3.108326	-11.72245

148	-12.421038	-17.980609	3.237588	-18.673477	-14.103576	1.122592	-9.593377	-21.264167	-12.241197	3.358801	2.145683	-14.964222	-7.751891	-17.71302	3.938122	-23.702343	-10.113609	3.936125	-9.685497	-19.55545	-20.311383	3.185535	3.047541	-12.723778
149	-10.885828	-17.22655	3.325947	-19.527486	-16.168423	0.703332	-9.193178	-22.391413	-10.707908	3.054768	2.242732	-15.569605	-7.906085	-17.477948	3.650072	-16.942085	-11.397755	3.764479	-10.091026	-18.47842	-18.928945	3.252041	2.858652	-13.34747
150	-9.345263	-16.703894	3.563161	-17.459583	-17.634742	0.341259	-8.786558	-24.591452	-10.580547	2.809723	2.103033	-16.87402	-7.99682	-16.465921	2.924507	-15.227474	-12.79485	3.549842	-10.624943	-17.610273	-15.982034	3.316207	2.619463	-13.215866
151	-8.100466	-15.915684	3.730525	-15.33509	-19.245564	0.192968	-8.54612	-25.749314	-12.666847	2.55859	1.734131	-18.9522	-8.271869	-15.849623	2.188811	-15.834324	-13.352334	3.292823	-11.34736	-16.92963	-13.286499	3.235419	2.345851	-13.070931
152	-7.400633	-14.880913	3.715411	-14.054496	-19.84322	0.332325	-8.712483	-25.290343	-15.495039	2.299388	1.346705	-19.280384	-8.56377	-15.68957	1.881227	-20.476631	-12.837547	2.961541	-12.13157	-16.13477	-11.795379	2.906402	2.010274	-13.042545
153	-7.169684	-14.265864	3.346456	-13.713177	-19.604186	0.657764	-8.997744	-24.019459	-17.387907	1.943399	1.303174	-17.392246	-8.565754	-15.880188	2.139728	-30.062319	-11.352193	2.55077	-12.427889	-15.118121	-11.478127	2.38053	1.674173	-13.612979
154	-7.23136	-14.446986	2.785661	-14.005446	-18.902532	0.798219	-8.879892	-22.890942	-15.224119	1.460556	1.536922	-16.223801	-8.551839	-16.803101	2.384764	-22.364716	-10.230858	2.085162	-12.280597	-14.205299	-12.105287	1.904944	1.406822	-14.801111
155	-7.379194	-15.260853	2.215644	-14.823258	-17.4063	0.690791	-8.338735	-21.910541	-13.605019	0.791147	1.674368	-15.755206	-8.766739	-18.050504	2.185976	-18.144362	-9.988144	1.689048	-12.19434	-13.473423	-13.766838	1.63397	1.222971	-16.593853
156	-7.605223	-16.133488	1.903509	-15.635021	-15.965468	0.307293	-7.734172	-21.297161	-13.943702	0.166329	1.594086	-16.305607	-9.43158	-18.812549	1.561325	-17.237825	-10.748119	1.365726	-12.423299	-13.162607	-16.703795	1.46136	1.100518	-19.022554
157	-7.996313	-16.363517	2.076434	-15.280154	-14.490547	-0.164944	-7.459572	-21.116508	-16.219881	-0.366789	1.218716	-19.513274	-10.435841	-18.688711	0.978207	-18.475541	-12.189234	1.089388	-12.734195	-12.961239	-18.90034	1.337754	1.004562	-21.243447
158	-8.86776	-16.136782	2.397648	-14.650503	-12.940818	-0.56298	-7.591827	-21.798248	-19.866436	-0.83622	0.659147	-25.078906	-11.091602	-18.845921	0.941571	-27.44005	-13.795918	0.821006	-12.880116	-12.719352	-17.777917	1.132408	0.839713	-21.707295
159	-10.145506	-16.530769	2.5929	-14.508891	-11.359445	-0.729835	-8.104051	-23.169453	-19.826823	-1.217957	0.205467	-28.362127	-10.82305	-20.120117	1.28014	-32.170923	-13.570889	0.5368	-12.966143	-12.421677	-14.924581	0.655246	0.488586	-23.976316
160	-11.822758	-18.342039	2.553614	-14.78505	-10.143262	-0.660173	-8.719324	-24.907954	-15.845524	-1.658949	0.026211	-22.710664	-10.618433	-21.893717	1.311503	-19.688956	-12.261919	0.170216	-13.036633	-12.079561	-13.261748	0.161246	0.152568	-25.945046
161	-13.64746	-21.541727	2.176609	-14.757376	-9.460047	-0.473517	-9.146125	-25.893505	-13.826458	-2.352054	0.037788	-18.958828	-10.895397	-23.609593	0.804079	-16.67292	-11.231175	-0.178462	-12.998028	-11.64856	-12.563166	-0.240965	-0.148144	-27.158955
162	-14.878196	-24.933968	1.537966	-14.578313	-8.932219	-0.436173	-9.210337	-23.802313	-12.986228	-3.19114	0.098399	-17.129764	-11.81625	-26.757812	0.023818	-16.769955	-11.194936	-0.606276	-12.796901	-11.441786	-12.922794	-0.472914	-0.271382	-30.961729
163	-14.650866	-27.952875	0.780986	-14.763413	-8.585517	-0.81667	-8.737893	-21.667938	-14.100851	-3.654655	0.039585	-17.407787	-13.060806	-30.688023	-0.497499	-19.213085	-12.016825	-1.052553	-12.650397	-11.624182	-14.349288	-0.632228	-0.313268	-30.48795
164	-13.143664	-29.921076	0.246101	-15.628801	-8.188034	-1.463085	-8.204964	-21.910525	-17.956938	-3.411102	-0.281512	-19.811932	-13.835051	-35.30547	-0.507897	-23.719204	-13.488088	-1.400978	-12.676038	-11.908596	-16.170052	-0.792967	-0.326317	-31.821009
165	-11.414924	-29.16478	0.175907	-16.622868	-7.786507	-2.216844	-8.396516	-23.680354	-25.933506	-2.823226	-0.90666	-25.936406	-13.74446	-39.147197	-0.165643	-25.075124	-15.748373	-1.701474	-12.615643	-12.092702	-18.599244	-0.929376	-0.414147	-36.720725
166	-10.127546	-24.315644	0.404296	-17.01533	-7.407128	-2.926437	-8.950474	-25.419533	-18.834647	-2.162697	-1.851982	-33.817284	-13.087458	-28.122677	-0.013841	-20.649594	-19.628781	-2.080551	-12.544151	-12.493844	-20.711912	-1.151957	-0.604509	-33.621338
167	-9.420062	-20.766733	0.505054	-17.027229	-7.193958	-3.373386	-9.093639	-24.212364	-13.089241	-1.943722	-2.861319	-27.933318	-11.893068	-23.030681	-0.520547	-17.570326	-27.806754	-2.452154	-12.490742	-13.071751	-22.578306	-1.427463	-0.844011	-30.363055
168	-9.020816	-18.951073	0.349359	-16.52293	-7.170418	-3.548729	-8.623849	-22.137612	-10.103073	-2.175021	-3.5003	-20.847889	-10.863756	-21.493466	-1.525633	-16.684004	-30.572493	-2.568651	-12.466622	-13.652096	-21.884973	-1.669027	-1.155514	-26.454079
169	-8.8392	-18.222622	0.166197	-15.640922	-7.23263	-3.605065	-8.219314	-21.640047	-9.015479	-2.621792	-3.68877	-18.385182	-10.258412	-21.829894	-2.470628	-17.219696	-20.596495	-2.30897	-12.602955	-14.131816	-19.250515	-1.803257	-1.451074	-24.640303
170	-8.756231	-17.344959	-0.121524	-14.897236	-7.228239	-3.711992	-8.212088	-21.724365	-8.857158	-2.616932	-3.55285	-17.046518	-9.901743	-22.400292	-2.887016	-19.265158	-16.781407	-1.876068	-12.690467	-14.264103	-17.24333	-1.81319	-1.716667	-24.359335
171	-8.70508	-16.216708	-0.5126	-14.724888	-7.12163	-3.802719	-8.519907	-21.359348	-9.425522	-2.021728	-3.407344	-16.422749	-9.794778	-21.402854	-2.632897	-23.649647	-15.185827	-1.613661	-12.571085	-14.357233	-16.302682	-1.637395	-1.929569	-25.947348
172	-9.019572	-15.548943	-0.894922	-15.110494	-7.175749	-3.931645	-8.796059	-21.353837	-11.432752	-1.301823	-3.33377	-17.357744	-9.855336	-19.862294	-1.892724	-29.434284	-14.363009	-1.572393	-12.513516	-14.642159	-15.641609	-1.270091	-2.150691	-26.920008
173	-9.653422	-15.358646	-1.152416	-15.581013	-7.339492	-4.055308	-8.940699	-21.061446	-14.2821	-0.873003	-3.476056	-19.804622	-9.860707	-17.673374	-1.399832	-28.774382	-14.089131	-1.786247	-12.869793	-15.139516	-14.767517	-1.058047	-2.38731	-28.190678
174	-10.471881	-15.603624	-1.279662	-15.839512	-7.580883	-4.111546	-9.319231	-19.983959	-16.189938	-0.839947	-3.846523	-23.36163	-9.79808	-16.470091	-1.470593	-25.179599	-14.23247	-2.419104	-13.465176	-15.709931	-14.276943	-0.989491	-2.668907	-28.730685
175	-11.550487	-16.483124	-1.460495	-16.246734	-7.682233	-4.560158	-9.612391	-18.67932	-14.540042	-1.121691	-4.411012	-29.516683	-9.892724	-16.448868	-2.209423	-22.983255	-14.747442	-3.147422	-14.075865	-16.116231	-13.849411	-1.136922	-3.043865	-28.412599
176	-12.762146	-17.269276	-1.64765	-16.656312	-7.722846	-4.841555	-9.561022	-18.01062	-13.020579	-1.649082	-5.245594	-30.267021	-9.931854	-16.80605	-3.283558	-22.792668	-15.654713	-3.958131	-14.278928	-16.255112	-13.48099	-1.273598	-3.338794	-26.919438
177	-13.821545	-17.99749	-1.812222	-17.055964	-7.986845	-4.955872	-9.430238	-17.754681	-12.000976	-2.170281	-5.772218	-24.160702	-9.61893	-16.779777	-4.544731	-22.546434	-17.446481	-4.654324	-14.445609	-16.859572	-13.222186	-1.360971	-3.49812	-24.306317
178	-14.710013	-18.669585	-2.054292	-16.384003	-8.483158	-4.821527	-9.412878	-17.05637	-11.545349	-2.26142	-5.736213	-20.335903	-9.199999	-17.012686	-5.392481	-21.595493	-19.828738	-4.850363	-15.001395	-18.042599	-13.108785	-1.18221	-3.554357	-21.883467
179	-15.052482	-18.375345	-2.476975	-15.465803	-9.256142	-4.714966	-9.756785	-15.784146	-11.680575	-1.993061	-5.210139	-18.144909	-9.197716	-17.763027	-5.106115	-20.496202	-22.395725	-4.50599	-15.996182	-19.45493	-12.99568	-0.901933	-3.505913	-19.975029
180	-15.192811	-16.964503	-3.007762	-15.358447	-9.812028	-4.616942	-10.197617	-15.063336	-12.632591	-1.810634	-4.72784	-16.930852	-9.656418	-19.30105	-4.553593	-19.625926	-24.429349	-3.878638	-16.81805	-21.053914	-12.966454	-0.658878	-3.431099	-18.460819
181	-15.417593	-15.28914	-3.419186	-16.1855	-10.211805	-4.376884	-10.624466	-15.161001	-14.044245	-1.876483	-4.454632	-16.244069	-10.300077	-20.920977	-4.456962	-18.94418	-24.997229	-3.521219	-17.328434	-23.597629	-12.558562	-0.585511	-3.485953	-17.562021
182	-15.576257	-13.663071	-3.481011	-17.176424	-10.525246	-4.14176	-10.945421	-15.564604	-16.177957	-2.238809	-4.467866	-15.935726	-11.16927	-21.705958	-4.81065	-19.521176	-25.909434	-3.339728	-17.911524	-27.935925	-11.823002	-0.601846	-3.642803	-17.098195
183	-15.080263	-12.423959	-3.32027	-17.115693	-10.850606	-4.099087	-11.240344	-15.82975	-18.057826	-2.627415	-4.804931	-16.223843	-11.567389	-22.691367	-5.461992	-20.580867	-25.934356	-3.320012	-17.850651	-30.210762	-11.056001	-0.746525	-3.888878	-17.447715
184	-14.224065	-11.648744	-3.181627	-16.538599	-11.259389	-4.36242	-11.514042	-16.23452	-19.199052	-3.025807	-5.392418	-17.028042	-11.438263	-25.039533	-6.30972	-23.008377	-23.730093	-3.499304	-17.649075	-28.779057	-10.425269	-1.007043	-4.384089	-18.267979
185	-13.133466	-10.977367	-3.348217	-16.124852	-11.740627	-4.694692	-11.991153	-17.13549	-19.671551	-3.422196	-6.055703	-18.118705	-11.230243	-28.640901	-7.428183	-28.849956	-21.836707	-3.915426	-17.935049	-27.426922	-10.110402	-1.278636	-5.059987	-18.835361
186	-11.85622	-10.363357	-3.959722	-16.228359	-12.353333	-4.984956	-13.024789	-18.041386	-19.469998	-3.733826	-6.573288	-19.441438	-10.893546	-33.760555	-8.354029	-34.759319	-20.670307	-4.585118	-18.596665	-26.40689	-10.187669	-1.426268	-5.938457	-19.003673
187	-10.458616	-9.852311	-4.833487	-17.172324	-12.931458	-5.223808	-14.074833	-18.205251	-18.987351	-3.977708	-6.931187	-22.220699	-10.37448	-39.165089	-8.839227	-25.580819	-20.019932	-5.411698	-19.070603	-24.423688	-10.782155	-1.424571	-6.692827	-19.4859
188	-9.201651	-9.580895	-5.640244	-18.285029	-13.689476	-5.769947	-14.642159	-18.620274	-18.937018	-4.1204	-7.120699	-24.878229	-10.302195	-42.790449	-8.576582	-20.40821	-19.249087	-6.285773	-19.145429	-23.211743	-11.81823	-1.276912	-7.581166	-19.166703
189	-8.304789	-9.53447	-6.444775	-18.848217	-14.248439	-6.15618	-15.112056	-19.854588	-19.805645	-4.017388	-7.163266	-26.766834	-10.709243	-36.08632	-8.093403	-17.702289	-18.902572	-7.038498	-19.583548	-23.735855	-12.971612	-1.003041	-8.205043	-17.997873
190	-7.502047	-9.703362	-7.252076	-18.374511	-14.836985	-6.573467	-15.482178	-22.554201	-21.438664	-3.846663	-7.024219	-30.185871	-11.086031	-30.569048	-7.917494	-16.415737	-18.592709	-7.577576	-20.329367	-24.898274	-13.72892	-0.760952	-8.51792	-16.551575
191	-7.020498	-9.911988	-7.890245	-18.094442	-15.453948	-6.591841	-15.837647	-25.504935	-23.812626	-3.847968	-6.747803	-33.820777	-11.057955	-29.066761	-8.330858	-15.820629	-17.998203	-7.764522	-20.488619	-26.173485	-13.643121	-0.688288	-8.493559	-15.489597
192	-6.663069	-10.330327	-8.14137	-17.815426	-16.162623	-6.685403	-16.084526	-27.883541	-24.797817	-3.993545	-6.486938	-28.577198	-10.679835	-29.062085	-9.166527	-15.691398	-17.487749	-7.646983	-19.816708	-28.042401	-12.933365	-0.824065	-8.441769	-14.600025
193	-6.395339	-10.885129	-8.119099	-17.765275	-17.191505	-6.591792	-16.245646	-27.79166	-25.266437	-4.143403	-6.406716	-24.2071	-10.162162	-30.524377	-10.507464	-16.253144	-17.503726	-7.31966	-18.656208	-31.47724	-12.08444	-1.11307	-8.273737	-13.921744
194	-6.234417	-11.468655	-7.876698	-17.767848	-18.207781	-6.515824	-16.193069	-24.484389	-24.214514	-4.223313	-6.557007	-21.638506	-10.089497	-32.914135	-12.691633	-16.798414	-17.816136	-6.731576	-18.048876	-31.244539	-11.339262	-1.439527	-8.016337	-13.150768
195	-6.228707	-12.148259	-7.590325	-17.231739	-18.949336	-6.659986	-16.764291	-20.43475	-24.905445	-4.282815	-6.816333	-20.602108	-10.151481	-32.578449	-15.849369	-18.419319	-18.062195	-6.13633	-18.072735	-26.833088	-10.713704	-1.862168	-7.930641	-12.814057
196	-6.229733	-12.705334	-7.403283	-16.61503	-19.67281	-6.875632	-18.030271	-17.882941	-24.600127	-4.459035	-7.237637	-19.862377	-10.018523	-31.029105	-19.433521	-20.296955	-18.212535	-5.828368	-18.222909	-23.919284	-10.069707	-2.407261	-8.018311	-12.681598
197	-6.185865	-12.926968	-7.413276	-16.625649	-20.499256	-7.075974	-18.232819	-17.410049	-23.956246	-4.661787	-7.845002	-18.710764	-10.077416	-28.227566	-19.883955	-23.878572	-18.138882	-5.65709	-18.11252	-22.071453	-9.784494	-3.039404	-8.148607	-12.764782
198	-6.198412	-13.045476	-7.696409	-17.213134	-21.843015	-7.249702	-17.573921	-17.768431	-22.077267	-4.824391	-8.486197	-17.393017	-10.861461	-25.379999	-18.343197	-29.107482	-18.097171	-5.330822	-17.78263	-20.032063	-9.77678	-3.708832	-8.387429	-12.98467
199	-6.277794	-12.991544	-8.07077	-17.875051	-22.937779	-7.501455	-17.468159	-17.892384	-20.62908	-5.009744	-9.173275	-16.349801	-12.135208	-23.76535	-15.771586	-43.62212	-18.064602	-4.842748	-17.72002	-18.181071	-10.111305	-4.166291	-8.827396	-13.176407
200	-6.366778	-13.22897	-8.630878	-18.526472	-22.811138	-7.555039	-18.030516	-17.243533	-19.983362	-5.102148	-9.96481	-15.551972	-13.076412	-23.742578	-13.418772	-29.204672	-18.117333	-4.383668	-18.015587	-17.010952	-10.776557	-4.426487	-9.33782	-13.445164
201	-6.373482	-13.869778	-9.264198	-19.262561	-22.276554	-7.605095	-18.698484	-16.788479	-20.422361	-5.157852	-11.032756	-15.130561	-13.367573	-25.083632	-12.087249	-23.141179	-18.343571	-3.957951	-18.579068	-16.853796	-11.595208	-4.536827	-9.848716	-13.621679
202	-6.309604	-14.535504	-9.838024	-20.262032	-22.444434	-7.769802	-19.562885	-16.989773	-20.362339	-5.391561	-12.086041	-14.954825	-13.115896	-26.654136	-11.188932	-20.708264	-18.747146	-3.812967	-19.450287	-17.778953	-12.537121	-4.539136	-10.112797	-13.724381
203	-6.168246	-14.771039	-10.508654	-21.195663	-22.784252	-8.06394	-21.124971	-17.222164	-20.066172	-5.677206	-12.862644	-14.995389	-12.372807	-26.868492	-10.898106	-19.782455	-19.295852	-3.889309	-20.408886	-19.32893	-13.64946	-4.537946	-10.567016	-13.726716
204	-5.986808	-14.874295	-11.518143	-22.030645	-22.829973	-8.657871	-23.284518	-17.372433	-18.973382	-5.99353	-13.299062	-15.069024	-11.107625	-25.810742	-10.84412	-19.416245	-20.150944	-4.103649	-21.237994	-20.557696	-14.944245	-4.633321	-11.004986	-13.964848
205	-5.800481	-15.012006	-12.481242	-22.695098	-22.204678	-9.269416	-25.368725	-17.497168	-18.571333	-6.052107	-13.683309	-15.008404	-9.952822	-24.519244	-10.755739	-19.164592	-20.792671	-4.281435	-21.865087	-21.619134	-16.598426	-4.70242	-11.341675	-14.428578
206	-5.631824	-15.136075	-13.733098	-23.442278	-21.310901	-9.753321	-26.912773	-17.698494	-18.298578	-6.173595	-14.124973	-14.705034	-8.997825	-23.347163	-10.868753	-18.70628	-21.392475	-4.371141	-22.219313	-23.667966	-18.409032	-4.679983	-11.597104	-14.983906
207	-5.514298	-15.108601	-15.164732	-24.409153	-20.149706	-9.815884	-27.949779	-18.509869	-18.194691	-6.438393	-14.579214	-14.297244	-8.643666	-22.036799	-11.175576	-18.652525	-22.117784	-4.381993	-22.19688	-26.541929	-20.573914	-4.751744	-11.798342	-15.17338
208	-5.457307	-15.135129	-16.912201	-24.625327	-18.876929	-9.850627	-29.982815	-19.705168	-17.984123	-6.813779	-15.032655	-13.950218	-8.582596	-21.12032	-11.611313	-18.769841	-21.946575	-4.274645	-21.559514	-29.354645	-22.749815	-4.911815	-11.677372	-15.305294
209	-5.474431	-15.356103	-19.20401	-25.817554	-17.904164	-9.993344	-34.499843	-19.962569	-17.57952	-7.252351	-15.503237	-13.837182	-8.356523	-20.510014	-11.765906	-18.747964	-21.572178	-4.347224	-20.385258	-29.545029	-26.002786	-5.085879	-11.375813	-15.499933
210	-5.550961	-15.465357	-21.964152	-26.619396	-17.440346	-10.283753	-33.814415	-18.721256	-16.978336	-7.935841	-15.946956	-14.068562	-7.718825	-19.774428	-12.050656	-18.707706	-21.459632	-4.617512	-19.011685	-27.216232	-33.090435	-5.324344	-10.883694	-15.830876
211	-5.681227	-15.48606	-25.189621	-25.597631	-17.585697	-10.822437	-27.626714	-16.938676	-16.5045	-8.538918	-16.156971	-14.49471	-7.064749	-19.186534	-12.373647	-18.67796	-22.208347	-4.923002	-18.180223	-24.736622	-37.27332	-5.483951	-10.460684	-16.014043
212	-5.812302	-15.462717	-27.616837	-24.455859	-18.132115	-11.327189	-23.106531	-15.722698	-16.268186	-9.171972	-16.010876	-14.94737	-6.674385	-18.89188	-12.598068	-18.578742	-23.718213	-5.276525	-18.087951	-22.229847	-28.664457	-5.676843	-10.321715	-16.000796
213	-5.865162	-15.382639	-27.910458	-23.254933	-18.255492	-11.884863	-19.696144	-14.869195	-16.385815	-9.958388	-15.618772	-15.27084	-6.597354	-19.297328	-13.08028	-18.45476	-24.840442	-5.625341	-18.918286	-21.047308	-25.402262	-6.091339	-10.421116	-16.027942
214	-5.908432	-15.121373	-26.131697	-22.156593	-17.864019	-12.091643	-17.181248	-13.9993	-16.721219	-10.90169	-15.307865	-15.398618	-6.636317	-20.582551	-13.785619	-18.315678	-25.170201	-5.965497	-19.821332	-20.623649	-24.220914	-6.605226	-10.599758	-16.460645
215	-6.09744	-14.926125	-24.014403	-21.637972	-17.451069	-12.298967	-15.476258	-13.027836	-16.884704	-11.642097	-15.166898	-15.602708	-6.623799	-23.247173	-14.523125	-18.628977	-24.220476	-6.390388	-20.125667	-19.914211	-23.404096	-7.069505	-10.925581	-16.781544
216	-6.411468	-14.75397	-21.926283	-21.6796	-17.36652	-12.738203	-14.421786	-12.308026	-16.903449	-12.087056	-15.30031	-16.033909	-6.59425	-27.084064	-14.749432	-18.75134	-22.831085	-6.788872	-20.406536	-18.978408	-22.866605	-7.458216	-11.291598	-17.196663
217	-6.722648	-14.633897	-20.126454	-21.842321	-17.503904	-13.168559	-14.146853	-11.694527	-16.673671	-12.251684	-15.428768	-16.347839	-6.735975	-25.693958	-14.534412	-19.273686	-22.351327	-7.412794	-20.575765	-18.046232	-22.659118	-7.897249	-11.441106	-17.732879
218	-6.998398	-14.790788	-18.65131	-21.084313	-17.785397	-13.487735	-14.059712	-11.104487	-16.375052	-12.727067	-15.491554	-17.027596	-7.192768	-21.691638	-14.717181	-19.536083	-22.744083	-8.046894	-19.887123	-16.82642	-22.338048	-8.275208	-11.45283	-18.242329
219	-7.251247	-15.114398	-17.593692	-20.4024	-18.024694	-13.337416	-13.901778	-10.507298	-16.127364	-13.416844	-15.526311	-18.154516	-7.893083	-18.896241	-15.211754	-19.903645	-24.244733	-8.596913	-18.337619	-15.413091	-21.460614	-8.736215	-11.642921	-18.84458
220	-7.451726	-15.485788	-16.588997	-20.385327	-17.825862	-13.616887	-13.850103	-10.114101	-16.028656	-13.724983	-15.295132	-18.900271	-8.596633	-16.878192	-15.81608	-20.273507	-25.721806	-9.225826	-16.70283	-14.275977	-21.101214	-9.341865	-11.75304	-19.94668
221	-7.705649	-15.526733	-15.692143	-20.774929	-17.20515	-13.688511	-13.790114	-9.774806	-16.066693	-13.617741	-15.09542	-20.027981	-9.072617	-15.716788	-16.337021	-20.797209	-26.812397	-9.668775	-15.282585	-13.220622	-21.316556	-9.857038	-11.787393	-21.068173
222	-8.025722	-15.464923	-15.042061	-21.237482	-16.461491	-13.54339	-13.672875	-9.550545	-16.14267	-13.243046	-15.126694	-21.454113	-9.705343	-14.904152	-16.758256	-21.78265	-27.97856	-10.106856	-14.067013	-12.426615	-21.287873	-10.185878	-11.796197	-21.857868
223	-8.28886	-15.179935	-14.460072	-21.85084	-15.89636	-14.176165	-13.383976	-9.482989	-16.190983	-12.932356	-15.464835	-23.754845	-10.815674	-14.360832	-16.973553	-22.29325	-28.142669	-10.5193	-12.969915	-11.862395	-20.308703	-10.366466	-11.815067	-22.917041
224	-8.413232	-14.707872	-13.966731	-22.690069	-16.033838	-14.543465	-12.788887	-9.567433	-16.128936	-12.973218	-15.964674	-26.050132	-12.522059	-13.986583	-17.088547	-22.403526	-25.913029	-10.812456	-12.005715	-11.496345	-19.16549	-10.576395	-11.775786	-24.047704
225	-8.451435	-14.156492	-13.777215	-23.347674	-16.451531	-14.780135	-11.960451	-9.818043	-16.028363	-13.263996	-16.01914	-27.163703	-14.52919	-13.667611	-16.740702	-22.511371	-22.138932	-11.082329	-11.01014	-11.277416	-17.872701	-10.815374	-11.846012	-25.267311
226	-8.498198	-13.631325	-13.830898	-22.997737	-17.006773	-15.974049	-11.156984	-10.390282	-16.27032	-13.206176	-15.340732	-27.626711	-15.823616	-13.410148	-16.111782	-22.826358	-19.100625	-11.29117	-10.290851	-11.133961	-16.798824	-10.890452	-12.031592	-25.664318
227	-8.583813	-13.119884	-14.385254	-22.1823	-17.332729	-16.190197	-10.276002	-11.111897	-16.842746	-13.259705	-14.68182	-28.598085	-15.872252	-13.202595	-15.838686	-21.645841	-17.447689	-11.429089	-9.91067	-11.174647	-15.980716	-10.759262	-12.602679	-25.671453
228	-8.673095	-12.628925	-15.320886	-21.66985	-16.7735	-16.940993	-9.487555	-11.908871	-17.44521	-13.44106	-14.492267	-30.622601	-15.32176	-13.193285	-16.05653	-19.492051	-16.823895	-11.461399	-9.829483	-11.263233	-15.674838	-10.521356	-13.561825	-26.559153
229	-8.730102	-12.177224	-16.415763	-21.000049	-15.977592	-17.854571	-8.691811	-12.893135	-17.708417	-13.923726	-14.750391	-31.885178	-14.799232	-13.47411	-16.416975	-17.011303	-16.400372	-11.372341	-10.005679	-11.253903	-16.037705	-10.253284	-14.81626	-27.227919
230	-8.728037	-11.75249	-17.588118	-19.667029	-15.308849	-17.101768	-7.912255	-13.994957	-17.758159	-14.411892	-15.577159	-31.309022	-14.157618	-13.856838	-16.323254	-15.113897	-15.848002	-11.075744	-10.255279	-11.249358	-16.786847	-9.996643	-16.245665	-28.165276
231	-8.683707	-11.434548	-19.371269	-18.483044	-14.718578	-16.236981	-7.265366	-15.293211	-17.719372	-14.741755	-16.704833	-30.569973	-13.393042	-14.472304	-15.68243	-13.096445	-15.213162	-10.764362	-10.50454	-11.369308	-17.78093	-9.768499	-17.834422	-30.811339
232	-8.54256	-11.270099	-22.026709	-17.813818	-14.645364	-15.802358	-6.783324	-16.503169	-18.248573	-14.96979	-18.018177	-29.926591	-12.856032	-15.073037	-15.216408	-11.605175	-14.657901	-10.821742	-10.681217	-11.573943	-19.285593	-9.522765	-19.34705	-35.960761
233	-8.319931	-11.28111	-25.32988	-16.953507	-15.166836	-15.440411	-6.585013	-17.658881	-19.092405	-15.246388	-19.307629	-28.279039	-12.610539	-15.64172	-15.006578	-10.570376	-14.531257	-11.175615	-10.810465	-11.83531	-21.007475	-9.449891	-20.971869	-43.140904
234	-8.045763	-11.354511	-30.310992	-16.0872	-16.419829	-15.009291	-6.574928	-18.306089	-20.269093	-15.325791	-21.278306	-25.38953	-12.71125	-16.099481	-15.094181	-9.85059	-15.238947	-11.684506	-10.8326	-12.203581	-22.903838	-9.710213	-23.167683	-37.093053
235	-7.834419	-11.390809	-34.162268	-15.454859	-17.728786	-15.103471	-6.637024	-18.555943	-21.237647	-15.452989	-24.767422	-22.967854	-12.93457	-16.641352	-15.44675	-9.329576	-16.754517	-12.32678	-10.599895	-12.553051	-24.525881	-10.152295	-25.014303	-30.736664
236	-7.745606	-11.491138	-28.345881	-14.90419	-19.205514	-15.497038	-6.681349	-18.492503	-21.537362	-15.839284	-29.283068	-21.519766	-13.067173	-17.562723	-15.912153	-9.127329	-18.762936	-12.905662	-10.137271	-12.831626	-25.958838	-10.625722	-26.967903	-26.674565
237	-7.755263	-11.787222	-23.821473	-14.593025	-20.022876	-15.764549	-6.682266	-18.389166	-21.677558	-16.237362	-28.103142	-19.969194	-12.943073	-18.79781	-16.212155	-9.200462	-20.035346	-13.555775	-9.496837	-13.070428	-27.876883	-11.259453	-28.196003	-24.933221
238	-7.825386	-12.277394	-21.660831	-14.889016	-20.689285	-16.036266	-6.670066	-18.541143	-21.330929	-16.456671	-24.67609	-18.609715	-12.605115	-20.141844	-15.886856	-9.736097	-21.145466	-14.67663	-8.835747	-13.515427	-30.65949	-12.201404	-28.486939	-23.996015
239	-7.914637	-12.828509	-20.656971	-15.547917	-20.598835	-16.908441	-6.749537	-19.184027	-20.993147	-16.066934	-22.056331	-17.359066	-12.027981	-21.111315	-15.356796	-10.794628	-23.016476	-16.209364	-8.168139	-14.261072	-36.056817	-13.236756	-27.264697	-23.353676
240	-8.020993	-13.356812	-20.653146	-16.601974	-20.149944	-18.91148	-6.994823	-20.481304	-20.29065	-15.586689	-20.560763	-16.311076	-11.34635	-21.143383	-14.565138	-12.853822	-24.652188	-18.814327	-7.52468	-15.461006	-37.755832	-13.847866	-25.320744	-22.809724
241	-8.177777	-13.872191	-20.477856	-18.382126	-19.799082	-21.595138	-7.439057	-22.976939	-19.576193	-15.269291	-19.705479	-15.617015	-10.836893	-20.074824	-14.012873	-16.347978	-22.779584	-22.37956	-7.072071	-17.081327	-29.869663	-13.818405	-22.347457	-20.727072
242	-8.408324	-14.422467	-19.406895	-21.466244	-19.464383	-24.497879	-8.070611	-26.083555	-18.900839	-14.695684	-19.150102	-15.428002	-10.542416	-18.358996	-13.798169	-22.356949	-20.055164	-27.176214	-6.710232	-18.998332	-24.829886	-13.424691	-19.936299	-19.958329
243	-8.659498	-14.997246	-17.617525	-26.208769	-20.128628	-24.736331	-8.852816	-27.332806	-18.689992	-13.484493	-18.750343	-15.724407	-10.404788	-16.752385	-14.171104	-22.345144	-18.81012	-32.106147	-6.514678	-20.853085	-21.890812	-12.852833	-18.218754	-19.672671
244	-8.826203	-15.567334	-16.058733	-35.244141	-21.400643	-23.046707	-9.632202	-25.047602	-19.229241	-12.232553	-18.670028	-16.1847	-10.363235	-15.394987	-15.235266	-17.457982	-18.962345	-39.765829	-6.450466	-21.653336	-20.707115	-12.40735	-16.760639	-20.18174
245	-8.865438	-15.862576	-14.546776	-42.18147	-23.044941	-22.306483	-10.144121	-23.147602	-20.510079	-11.089638	-19.268295	-16.396513	-10.370385	-14.29133	-16.747012	-14.372058	-20.715984	-38.294131	-6.535657	-21.134197	-20.460112	-12.200361	-16.058452	-21.14848
246	-8.717667	-15.946782	-13.443513	-38.120541	-24.23884	-23.547311	-10.431651	-22.500631	-22.43765	-10.394245	-20.761909	-16.328058	-10.328725	-13.521171	-18.705837	-12.734867	-24.373838	-30.710245	-6.750424	-20.128665	-21.562284	-12.19814	-15.441219	-22.396534
247	-8.41372	-15.848668	-12.910076	-40.420131	-24.790564	-27.154717	-10.355717	-23.580005	-25.975126	-10.246797	-23.546722	-15.872337	-10.137973	-13.002557	-18.963932	-11.93808	-30.689621	-26.613154	-7.035337	-19.366315	-24.047894	-12.474842	-15.162989	-23.477138
248	-8.096593	-15.301251	-13.014865	-38.086597	-26.12492	-30.481863	-10.127122	-26.423573	-30.17037	-10.540214	-28.671261	-15.238346	-9.886372	-12.633282	-19.219731	-11.602306	-36.269849	-23.95313	-7.408069	-18.974709	-25.783675	-12.949492	-15.457277	-24.807491
249	-7.873998	-14.277152	-13.645954	-28.657093	-27.892618	-33.943305	-9.971843	-34.127282	-38.097714	-11.411115	-34.182028	-14.636875	-9.739347	-12.521417	-20.771511	-11.533703	-29.750416	-21.531727	-7.888699	-18.889213	-23.511594	-13.794555	-16.200356	-26.702519
250	-7.807736	-13.200323	-14.594529	-23.882438	-31.660204	-31.451889	-9.926657	-38.432778	-41.884195	-12.728377	-34.046993	-14.377561	-9.673851	-12.649788	-22.808208	-12.006977	-24.119203	-19.329615	-8.436014	-19.147415	-20.288408	-14.888995	-16.903465	-28.965749
251	-7.885946	-12.312251	-15.225051	-20.445211	-34.959042	-28.062305	-9.941659	-28.008936	-35.933115	-14.291715	-32.952862	-14.491854	-9.743698	-12.891432	-21.985726	-13.192096	-21.34215	-17.1744	-9.018297	-19.192125	-18.2514	-16.072728	-17.375416	-31.140466
252	-8.048939	-11.663425	-14.995941	-18.432034	-33.586215	-23.955029	-10.015322	-23.520445	-33.573811	-15.332455	-33.85712	-14.941765	-10.000111	-13.060409	-19.476292	-15.4169	-19.845903	-15.243878	-9.410298	-18.319379	-17.332553	-17.184987	-17.757934	-32.992315
253	-8.223246	-11.057452	-14.204959	-17.040525	-29.27047	-19.847656	-10.081974	-21.207593	-37.208215	-15.308949	-39.14317	-15.826165	-10.399666	-13.018711	-17.339022	-21.082488	-19.325382	-13.726885	-9.587416	-16.830521	-17.319925	-17.855611	-18.1996	-32.621319
254	-8.347841	-10.503888	-13.599217	-16.178385	-25.576917	-17.317728	-10.088733	-19.956131	-42.151246	-14.867049	-37.964065	-16.630855	-10.795102	-12.677626	-16.278104	-29.105243	-20.300862	-12.802419	-9.56827	-15.220492	-18.017533	-18.041223	-18.587257	-31.833255
255	-8.44125	-10.084302	-13.652545	-15.791996	-22.138586	-15.67944	-9.985781	-19.552571	-36.834255	-14.504528	-30.384064	-17.067286	-11.093779	-12.299023	-16.126461	-23.529162	-23.440257	-12.58588	-9.422058	-14.003279	-18.913856	-18.310076	-18.675921	-31.038562
256	-8.497118	-9.736241	-14.45406	-15.928584	-19.388409	-15.568913	-9.847352	-19.807839	-31.720802	-14.765102	-26.208757	-17.129623	-11.210913	-12.193646	-16.858263	-17.434703	-29.549864	-13.18017	-9.182815	-12.939137	-19.761398	-18.45754	-18.19268	-29.732561
257	-8.462948	-9.355113	-16.446896	-16.501484	-17.666368	-15.564831	-9.699708	-20.360252	-29.311911	-15.602146	-23.782681	-17.162476	-11.143749	-12.616808	-18.686679	-15.75079	-31.067356	-14.108454	-8.965125	-11.938336	-20.396211	-18.623597	-17.346594	-28.038391
258	-8.318008	-8.910518	-19.517358	-17.568762	-16.634199	-15.81448	-9.608565	-20.824078	-28.72452	-17.161667	-21.908547	-17.295982	-10.880901	-13.706264	-21.595338	-15.79326	-26.507142	-14.9524	-8.683423	-11.005004	-21.052679	-18.828626	-16.296087	-26.143715
259	-8.092659	-8.413823	-21.340375	-18.995369	-16.189881	-16.302201	-9.559431	-20.258857	-29.893058	-19.765291	-20.168888	-17.724328	-10.553862	-14.815434	-25.211744	-17.567336	-25.084931	-15.170532	-8.446665	-10.424575	-22.018703	-18.856811	-15.541133	-25.24746
260	-7.873842	-7.821841	-20.028797	-20.224647	-16.182789	-17.776817	-9.528209	-19.030672	-31.990444	-23.279141	-19.370051	-18.655464	-10.398846	-15.669739	-26.171868	-23.34927	-25.636494	-14.956112	-8.323918	-10.122217	-22.767759	-18.571969	-14.982654	-24.496771
261	-7.702684	-7.14137	-18.150023	-20.119672	-17.178427	-19.912844	-9.486795	-17.533349	-31.336295	-25.18813	-19.264454	-20.158544	-10.610698	-16.310755	-23.518467	-39.195374	-24.064768	-14.572822	-8.283947	-10.012051	-22.519794	-17.553213	-14.739872	-23.985819
262	-7.607502	-6.502967	-17.661552	-18.572939	-19.665929	-22.53392	-9.419907	-16.132371	-28.296284	-22.965261	-19.716572	-22.064761	-11.070389	-17.226727	-20.501419	-25.625248	-19.668844	-14.166983	-8.311402	-10.036742	-22.520572	-16.208525	-15.038899	-23.496149
263	-7.628306	-6.010043	-18.697873	-16.967167	-24.294659	-22.834992	-9.380667	-15.289433	-25.625479	-21.009402	-19.913563	-23.273761	-11.573948	-18.31203	-18.428937	-20.643713	-15.778443	-13.974022	-8.391861	-10.110425	-22.173712	-14.906142	-15.793816	-23.24787
264	-7.799845	-5.636405	-20.880406	-16.091757	-29.191404	-20.140733	-9.354366	-15.106956	-23.931505	-20.534727	-19.487905	-22.513581	-11.97604	-19.084732	-18.133156	-17.314605	-13.591793	-13.976598	-8.535731	-10.339947	-22.065085	-14.331231	-17.16103	-23.318961
265	-8.232354	-5.322182	-22.954552	-16.253517	-25.728491	-17.652775	-9.252056	-15.808655	-22.958801	-21.511625	-18.2673	-20.927769	-12.052668	-18.961849	-19.413708	-16.244824	-12.498861	-13.908371	-8.810566	-10.86109	-21.81234	-14.355794	-19.474292	-23.341606
266	-8.967539	-5.052785	-23.369892	-17.558364	-22.173702	-16.200374	-8.908869	-17.038489	-22.602908	-24.096131	-17.054902	-20.196972	-11.928024	-18.167455	-23.562447	-16.843443	-12.581537	-13.71987	-9.188162	-11.598009	-22.042458	-14.86486	-22.21117	-23.150955
267	-9.914346	-4.884238	-22.987626	-20.524288	-21.317376	-15.592998	-8.475885	-18.459639	-22.428883	-29.577976	-16.2692	-20.508925	-11.834486	-17.340165	-30.440624	-18.976792	-14.406225	-13.615116	-9.667328	-12.433217	-23.081643	-15.396291	-25.655077	-22.032368
268	-10.904946	-4.898618	-21.87094	-27.081787	-21.231004	-15.686991	-8.054501	-20.181011	-21.799344	-40.419422	-16.071766	-21.891264	-11.796347	-16.636791	-24.779553	-24.348751	-19.033456	-13.965889	-10.037351	-13.048606	-25.192409	-15.40949	-29.743359	-20.376313
269	-11.636103	-5.110685	-19.832494	-35.319972	-22.09646	-16.375781	-7.65433	-22.093454	-20.787294	-31.09119	-16.935503	-23.354483	-11.744542	-15.870574	-20.600886	-32.984806	-33.067643	-15.115065	-10.227447	-13.497599	-26.080132	-15.07447	-32.003741	-18.758287
270	-12.029085	-5.444494	-17.176045	-27.575779	-23.626015	-17.730366	-7.325655	-23.314957	-19.361115	-26.664593	-18.682486	-23.717075	-11.516026	-14.929352	-19.744595	-22.994675	-23.601871	-17.336994	-10.123478	-13.701902	-23.75818	-15.027942	-30.7466	-17.699867
271	-12.229921	-5.830592	-14.958571	-24.199803	-26.912544	-19.458422	-7.044909	-23.376135	-18.2217	-25.292271	-20.760942	-22.885071	-11.059242	-13.784645	-21.636683	-18.144507	-17.361676	-20.816143	-9.866148	-13.663124	-21.122559	-15.505407	-28.480107	-17.15439
272	-12.343862	-6.267666	-13.537081	-23.430433	-33.192259	-20.428103	-6.888303	-23.199753	-17.24004	-25.951418	-20.92549	-21.866048	-10.651632	-13.053173	-24.443233	-16.135367	-14.839527	-25.147552	-9.614954	-13.389403	-20.189731	-16.160097	-26.12187	-17.116381
273	-12.443595	-6.782022	-13.080076	-24.262417	-42.558213	-19.510311	-6.844432	-23.106903	-16.957562	-26.942295	-18.961193	-20.911024	-10.569405	-12.740494	-21.382366	-15.997763	-14.443228	-27.659481	-9.297306	-12.897694	-20.607873	-16.573161	-24.523758	-17.628281
274	-12.630616	-7.274707	-13.585511	-25.34889	-32.557224	-17.542974	-6.973897	-23.413675	-16.654354	-27.89306	-17.582774	-20.403465	-11.036782	-12.605423	-17.304004	-17.268289	-15.287183	-27.336239	-8.787007	-12.561095	-22.928606	-16.882424	-23.114896	-18.754858
275	-12.809482	-7.646613	-14.757754	-24.982098	-28.120229	-16.207594	-7.22014	-24.693973	-16.645706	-27.63555	-17.264511	-20.573891	-11.910364	-12.41946	-15.651855	-20.55188	-17.05801	-27.398108	-8.290953	-12.379503	-26.129542	-17.236215	-22.257112	-20.383785
276	-12.867744	-7.916253	-15.684565	-24.366551	-26.53044	-15.742459	-7.689613	-28.170017	-16.841344	-25.274398	-18.730182	-21.628775	-12.744141	-12.212261	-15.786358	-24.409631	-17.711258	-26.773603	-7.805458	-12.148995	-29.039876	-18.756026	-21.860144	-22.446967
277	-12.810839	-8.181537	-16.193915	-25.334949	-28.181614	-15.789784	-8.269349	-36.462095	-17.156567	-23.144047	-22.449405	-23.445167	-13.205504	-12.184643	-18.008911	-24.259052	-16.412002	-25.286276	-7.375966	-11.919117	-28.676173	-20.668176	-22.640283	-24.068595
278	-12.731159	-8.482051	-16.475544	-28.674088	-32.867322	-16.607217	-8.675795	-35.561188	-17.588009	-21.50289	-28.295946	-24.257088	-13.361447	-12.345145	-19.962067	-21.017559	-15.262966	-22.005367	-6.789839	-11.793838	-29.031996	-22.851266	-25.235752	-23.779331
279	-12.749056	-8.872388	-17.244566	-35.546771	-40.118812	-18.524779	-8.840678	-29.367283	-17.970262	-21.035072	-25.758862	-23.3542	-13.282921	-12.431691	-19.364453	-19.094641	-15.354066	-18.914306	-6.35618	-11.84187	-31.117644	-24.385284	-29.452131	-22.004068
280	-12.929301	-9.440485	-18.632278	-40.208793	-31.408035	-21.011317	-8.8923	-25.212499	-18.187936	-21.529736	-20.522488	-22.068951	-12.971317	-12.30035	-17.282424	-18.61784	-16.475197	-16.7465	-6.156079	-11.85803	-32.594552	-24.941044	-30.204983	-20.156803
281	-13.032038	-10.067513	-20.703259	-28.162237	-27.198254	-21.263226	-8.817913	-22.625839	-18.538469	-22.871099	-18.480348	-21.193405	-12.5844	-12.196806	-15.763642	-19.020172	-18.776348	-15.603889	-6.066888	-11.907129	-31.303387	-24.264802	-26.975744	-19.233412
282	-12.845839	-10.644733	-22.852668	-23.977034	-27.800128	-19.504603	-8.654986	-21.310181	-19.535991	-24.269832	-18.13387	-20.826801	-12.402341	-11.964813	-15.199878	-19.717545	-21.447421	-15.771126	-5.99248	-12.208718	-29.790536	-23.300274	-24.330955	-19.487973
283	-12.391158	-11.213142	-23.556561	-22.748196	-28.611163	-18.405741	-8.443245	-21.50668	-21.537766	-24.921459	-19.545735	-21.11602	-12.386432	-11.605061	-16.303196	-20.315045	-24.49073	-17.159826	-5.963934	-12.715109	-26.794909	-22.623017	-23.057909	-21.171597
284	-11.955643	-11.570941	-23.619409	-23.704212	-28.920193	-18.519264	-8.345578	-23.191001	-24.05854	-24.271653	-22.970828	-22.21612	-12.229916	-11.467789	-18.89751	-21.158072	-21.670761	-19.124685	-6.029005	-13.223578	-24.255515	-22.702045	-22.545695	-24.187854
285	-11.744416	-11.451193	-22.267798	-26.780973	-27.424567	-18.40751	-8.32684	-25.817209	-26.045448	-23.194879	-23.057882	-23.63758	-12.181889	-11.649965	-24.154922	-22.073443	-17.325346	-20.839794	-6.242352	-13.548196	-22.2604	-23.730399	-22.943288	-28.79028
286	-11.797321	-10.969928	-19.673765	-28.013217	-25.111115	-18.034582	-8.394425	-28.80452	-26.460743	-22.66267	-19.522648	-23.322303	-12.769999	-11.779195	-26.250204	-23.643542	-15.013677	-21.246746	-6.368382	-14.117928	-22.377283	-26.272702	-23.99733	-31.871105
287	-12.154873	-10.345355	-16.630657	-25.519504	-23.31505	-18.023424	-8.391997	-28.990264	-26.489065	-23.832134	-16.968514	-21.795975	-14.228563	-11.690075	-22.815632	-25.733524	-14.066769	-20.854962	-6.444227	-15.166304	-23.87546	-30.861078	-24.450439	-36.477355
288	-12.787211	-9.770299	-14.924683	-24.374996	-22.91671	-18.794498	-8.278086	-25.166342	-27.409138	-27.731785	-16.302343	-20.57855	-15.980782	-11.789463	-21.322155	-24.880888	-14.562606	-19.483278	-6.583016	-16.444513	-23.869543	-37.423915	-23.857025	-39.919132
289	-13.682067	-9.389554	-14.08844	-27.618009	-22.576321	-20.444756	-8.014336	-22.085634	-28.120175	-35.325467	-16.855184	-20.172123	-18.020407	-12.119583	-20.808746	-19.281914	-16.471322	-17.184506	-6.781156	-17.650051	-22.28889	-31.237654	-22.96265	-37.990544
290	-14.951745	-9.233886	-14.19295	-39.017648	-22.219793	-21.444563	-7.69978	-20.269169	-28.558715	-32.98769	-19.242846	-20.36024	-19.364486	-12.488763	-20.793839	-18.842876	-20.485333	-15.34915	-6.859091	-18.901804	-21.089047	-27.842837	-22.794156	-32.741561
291	-16.941051	-9.197775	-14.858833	-28.107975	-21.956548	-21.201315	-7.504459	-19.067507	-27.620119	-29.05776	-23.268392	-20.825058	-20.114227	-12.548259	-18.828556	-18.476471	-26.988885	-14.553669	-6.987518	-20.37928	-21.459517	-27.448586	-23.941857	-27.663845
292	-19.490064	-9.244293	-15.305932	-21.778349	-20.688105	-19.976925	-7.439805	-18.482359	-25.997046	-29.151905	-25.484823	-21.770023	-20.493971	-12.450593	-17.049217	-19.19381	-24.11507	-14.920019	-7.227755	-21.626236	-23.867457	-29.522411	-25.032572	-24.438998
293	-22.259231	-9.499239	-15.203911	-19.58478	-19.857211	-18.680531	-7.384303	-18.667807	-24.967024	-32.8636	-21.978592	-22.642371	-20.439178	-12.292427	-16.684821	-21.811761	-18.205845	-16.353133	-7.363524	-22.758176	-29.537974	-28.460847	-25.001097	-22.639589
294	-26.387965	-10.10638	-15.063229	-19.38934	-19.317944	-18.513959	-7.349232	-19.678974	-24.286549	-34.906037	-19.089813	-22.418303	-20.476534	-12.115643	-17.489178	-27.228093	-16.607351	-18.893891	-7.261086	-23.718704	-39.628281	-24.854285	-24.178865	-22.179604
295	-33.005636	-10.824361	-15.406699	-20.804024	-18.656978	-18.561894	-7.416101	-21.668871	-23.61911	-29.510116	-17.802639	-21.193669	-20.103453	-11.870434	-20.776437	-35.258103	-16.055037	-22.009541	-7.068472	-22.903659	-36.811564	-21.935836	-22.658927	-22.67518
296	-38.167789	-11.394067	-16.476927	-23.06884	-18.058021	-18.965055	-7.530726	-23.934391	-22.416355	-25.094803	-18.871817	-20.60369	-20.739446	-11.553151	-22.061266	-27.468002	-16.385376	-21.209034	-6.701355	-21.397755	-36.490285	-20.506844	-20.368092	-24.400974
297	-29.99657	-11.790257	-19.045693	-24.372629	-18.077198	-20.16651	-7.534673	-25.913798	-20.772407	-22.713202	-22.641106	-20.762503	-22.553025	-11.322718	-19.229283	-22.218415	-17.38074	-18.32892	-6.282704	-20.403794	-39.287989	-20.383931	-19.126553	-27.334565
298	-27.731564	-12.28044	-22.914139	-23.341853	-19.493906	-22.944171	-7.331261	-25.637213	-20.195852	-21.353069	-27.924206	-21.933761	-26.863884	-11.444981	-17.398053	-20.228675	-18.887394	-16.754704	-5.919895	-19.165378	-31.482606	-21.494051	-19.267301	-33.406251
299	-26.966155	-13.027869	-25.146167	-22.378536	-22.180269	-26.981839	-6.932921	-23.629704	-20.787638	-21.12688	-21.749193	-23.507031	-31.27129	-12.026754	-17.328949	-20.134282	-21.04421	-15.857353	-5.564472	-17.637913	-26.91401	-23.840379	-20.520413	-39.832077
300	-26.865298	-14.013826	-21.625399	-21.858133	-23.738476	-30.762194	-6.566395	-21.41503	-22.336038	-20.578281	-18.348444	-24.457356	-28.734148	-12.710732	-20.015109	-21.109635	-23.200518	-15.534614	-5.253113	-16.494692	-25.30156	-28.940615	-21.682183	-32.316155
301	-27.092631	-15.083953	-18.489514	-21.601071	-23.232706	-29.838167	-6.393843	-20.224365	-23.919078	-19.309261	-17.451588	-24.512829	-23.18677	-13.182728	-25.009414	-22.77293	-24.953242	-16.361924	-5.065845	-15.799135	-24.416244	-31.170745	-22.5529	-28.347429
302	-26.987269	-16.126921	-16.55625	-21.860457	-22.247528	-27.762615	-6.36335	-19.482793	-25.91244	-17.363757	-18.306467	-23.440234	-19.645664	-13.649908	-25.160906	-25.6889	-24.858671	-18.934231	-5.12628	-15.284361	-24.956307	-26.923211	-23.445881	-27.679429
303	-26.586896	-17.181004	-15.250013	-22.753875	-21.392712	-23.031531	-6.497499	-18.802095	-28.837973	-15.733679	-20.507354	-22.350911	-17.719793	-14.439023	-20.032028	-29.032484	-21.064526	-23.164477	-5.350954	-14.585389	-27.597917	-22.725547	-24.43492	-29.242614
304	-26.318353	-17.637781	-14.450805	-24.038448	-22.160909	-19.345158	-6.839523	-18.493294	-30.229576	-14.664211	-23.103687	-22.137394	-17.089864	-15.745975	-17.736786	-28.539121	-17.504525	-26.415119	-5.749916	-14.011242	-31.141667	-20.474345	-24.883583	-35.270312
305	-27.303352	-17.081477	-13.906332	-25.193905	-25.670618	-16.944867	-7.250116	-18.998673	-29.421854	-14.387607	-22.506363	-23.03146	-17.165935	-16.949427	-17.947316	-24.363812	-15.169002	-22.400524	-6.165182	-13.681979	-27.360962	-19.586433	-25.4851	-42.02909
306	-31.896067	-15.786673	-14.064685	-26.654568	-30.091478	-15.870549	-7.621427	-19.830864	-29.921883	-14.713896	-19.685645	-24.310437	-16.945856	-17.514332	-20.075292	-20.258495	-13.880978	-19.214004	-6.520107	-13.685484	-23.464229	-20.013174	-27.040824	-34.203442
307	-38.063918	-14.097131	-14.939963	-27.822229	-29.189228	-15.566403	-7.91264	-20.173204	-32.814396	-15.372944	-18.492192	-25.461842	-16.227396	-17.598814	-23.508845	-18.331834	-13.785834	-17.680203	-6.683902	-13.953617	-22.902639	-21.830155	-30.705561	-28.699786
308	-29.383878	-12.365218	-16.162953	-27.615472	-23.753215	-16.559515	-8.069911	-19.877307	-36.770181	-15.692836	-18.529902	-26.062971	-15.3709	-17.951862	-24.99812	-17.429775	-14.744435	-17.491639	-6.759967	-14.324236	-24.231173	-25.451562	-36.763587	-26.120948
309	-21.734809	-10.890725	-16.647398	-26.89616	-20.524459	-19.463628	-8.093074	-18.972965	-34.87768	-15.055327	-20.088283	-27.104761	-14.385275	-17.661458	-24.662441	-18.069665	-16.909791	-18.174231	-6.862705	-14.790157	-26.174167	-30.548341	-39.645882	-24.924893
310	-16.926032	-9.772314	-16.224832	-27.309365	-19.043877	-25.486942	-7.98782	-17.862066	-30.616056	-13.96816	-23.48547	-28.352482	-13.251648	-16.197713	-22.357122	-20.122978	-21.627067	-19.592251	-7.105705	-15.619177	-27.614979	-29.090827	-33.420835	-25.058991
311	-13.848739	-9.0257	-15.744159	-28.787733	-19.043859	-29.915111	-7.849689	-17.084169	-27.751002	-13.507393	-28.786241	-29.484874	-12.537244	-14.638096	-23.155603	-25.746419	-28.122045	-22.156378	-7.41736	-17.181255	-25.017469	-24.842305	-28.535809	-26.273554
312	-11.748265	-8.522592	-15.861452	-30.207325	-19.457766	-25.387732	-7.660746	-16.600666	-25.719921	-14.081617	-30.006734	-32.629246	-12.145283	-13.588794	-28.111378	-33.130616	-26.831298	-25.440806	-7.739327	-18.765723	-22.484504	-21.530011	-27.63687	-28.929938

313	-10.273396	-8.206382	-16.676719	-30.059184	-21.442499	-26.238776	-7.463004	-16.04473	-23.98838	-15.87595	-26.293453	-40.125342	-12.008603	-12.934025	-36.020625	-26.883499	-21.665122	-31.874072	-8.074505	-20.032928	-21.208409	-19.799448	-27.897	-35.351253
314	-9.329617	-7.988889	-17.982388	-28.789116	-25.123084	-33.260273	-7.315087	-15.377077	-22.336817	-19.059773	-24.489985	-41.220046	-12.182597	-12.292491	-25.725811	-20.867382	-19.464488	-38.21598	-8.553223	-20.754398	-21.745192	-19.414079	-28.42133	-40.652321
315	-8.783768	-7.902735	-19.294865	-26.673695	-28.574825	-27.295084	-7.389404	-15.142651	-21.057209	-22.562785	-22.608926	-31.948681	-12.618611	-11.731918	-22.423809	-19.270424	-19.763577	-25.640883	-9.146021	-20.424049	-23.600816	-19.921782	-27.875372	-33.931541
316	-8.536154	-7.870222	-20.898211	-25.606868	-30.429279	-18.540949	-7.743589	-15.25726	-20.395407	-23.626156	-20.309101	-27.315055	-13.241288	-11.35725	-18.125052	-19.889206	-22.463326	-21.408603	-9.486879	-19.366456	-27.145285	-21.556866	-27.557401	-28.854011
317	-8.347463	-7.778772	-23.097904	-26.104143	-25.517411	-15.165865	-8.261991	-15.597249	-20.260487	-21.010909	-18.429469	-24.952385	-14.032871	-11.223698	-19.367325	-21.622757	-27.91154	-19.603382	-9.412834	-17.396031	-32.836154	-23.888185	-28.223446	-26.428162
318	-8.353852	-7.609262	-25.668456	-27.35925	-22.198841	-13.328333	-8.556602	-15.985248	-20.72939	-20.145065	-17.119979	-23.939096	-14.098908	-11.28851	-22.922299	-25.121723	-27.34219	-19.037314	-9.057092	-15.239952	-42.410035	-24.25924	-30.086161	-24.988388
319	-8.477464	-7.497684	-26.248186	-27.64861	-20.66311	-12.939841	-8.585155	-16.198017	-22.255909	-21.694409	-16.444022	-24.064751	-13.455374	-11.488056	-32.084849	-25.981757	-21.562321	-19.349392	-8.626658	-13.970272	-39.38074	-21.756799	-30.874881	-24.175575
320	-8.582765	-7.51421	-24.313885	-27.903571	-20.476896	-13.76524	-8.460674	-16.445695	-24.840346	-24.61264	-16.049056	-25.621369	-12.80991	-11.584864	-33.241978	-23.810665	-18.090861	-20.575696	-8.099886	-13.265087	-32.222669	-18.768899	-30.757719	-24.030053
321	-8.855073	-7.506207	-21.964216	-29.089261	-20.941974	-15.769204	-8.203986	-16.882364	-28.232902	-23.47854	-16.161205	-26.937641	-12.350378	-11.607916	-24.738985	-22.013321	-16.600358	-21.75651	-7.687637	-12.664695	-27.806741	-16.666889	-29.564448	-24.37594
322	-9.48267	-7.435662	-20.280078	-30.532696	-20.994055	-18.120075	-7.857323	-17.113293	-31.27385	-19.532109	-16.934255	-28.367344	-12.222522	-11.782007	-22.462692	-21.373599	-16.837285	-20.65752	-7.357819	-12.119137	-25.810569	-15.846216	-26.828303	-25.157698
323	-10.361714	-7.356981	-18.950957	-30.177085	-20.057774	-18.137328	-7.543695	-16.860167	-34.603986	-17.050528	-18.170426	-30.473227	-12.391674	-12.057522	-22.12896	-22.029713	-18.148091	-18.179866	-7.066636	-11.728316	-25.486121	-16.544396	-24.793909	-25.920082
324	-11.412466	-7.359278	-18.054724	-29.977488	-19.08092	-15.668952	-7.242539	-16.467875	-33.626675	-15.71525	-19.255156	-30.340643	-12.37596	-11.824555	-21.491124	-24.77618	-20.110865	-16.764239	-6.690628	-11.573206	-26.435983	-18.832659	-23.800238	-26.77042
325	-12.608319	-7.438551	-17.196999	-29.979344	-19.457907	-13.806782	-6.863091	-16.254915	-28.371822	-15.721098	-19.572311	-28.123392	-12.415133	-11.338101	-19.601271	-26.57562	-23.446112	-16.242764	-6.302759	-11.226818	-27.796247	-22.615899	-24.662729	-28.673601
326	-13.658193	-7.546378	-16.580021	-28.890382	-21.000462	-13.599337	-6.611162	-16.598646	-24.470499	-16.25345	-18.708082	-26.012066	-12.855463	-11.036732	-17.500608	-25.265949	-28.441433	-15.875034	-6.146654	-10.691398	-27.031918	-23.196372	-26.281363	-32.363185
327	-13.981692	-7.525986	-16.273893	-27.704815	-23.637919	-14.259797	-6.723916	-16.892098	-21.386971	-16.498744	-18.225794	-25.606369	-13.269816	-11.239613	-15.651692	-21.600963	-27.849642	-15.545635	-6.113754	-10.404089	-24.553629	-18.986208	-29.177564	-42.499561
328	-13.207136	-7.345195	-16.436107	-28.710073	-22.849007	-15.472386	-7.072025	-16.696052	-19.289932	-15.764312	-19.49033	-26.436487	-13.320746	-11.736607	-14.678913	-19.47488	-24.710302	-15.5331	-6.044321	-10.492584	-22.720457	-15.837653	-29.347764	-36.846389
329	-11.819342	-7.039384	-17.028294	-32.658101	-22.313793	-16.659286	-7.353817	-16.560864	-18.013912	-14.999855	-21.822622	-28.35785	-13.782359	-12.18748	-14.750288	-18.507373	-23.066941	-16.202712	-6.065458	-10.82272	-21.07979	-14.526649	-27.711209	-28.299299
330	-10.467415	-6.710341	-18.285015	-40.135266	-23.439968	-18.73745	-7.5218	-16.658062	-17.211552	-14.722027	-23.097558	-30.795929	-15.049587	-12.403494	-15.61854	-19.144768	-22.909328	-17.586611	-6.403988	-11.417855	-19.723438	-14.271913	-27.363602	-24.587917
331	-9.109501	-6.487552	-20.412305	-31.77854	-24.986101	-21.215862	-8.084625	-16.704969	-17.503337	-14.932469	-21.731808	-33.118449	-15.703294	-12.234272	-16.985932	-20.299257	-22.947971	-20.187482	-7.138475	-12.292096	-19.473409	-14.934428	-25.03958	-22.613956
332	-8.057622	-6.240273	-23.562237	-26.03165	-23.153677	-21.902209	-9.210282	-16.71856	-18.668026	-16.466846	-20.219229	-35.130637	-14.25408	-11.921829	-17.741813	-22.122674	-22.021682	-23.09475	-7.897714	-13.298893	-20.044242	-17.174989	-23.084118	-21.46957
333	-7.309501	-5.966418	-28.197165	-22.918331	-20.240055	-19.420304	-10.60288	-16.962958	-20.014568	-18.329173	-19.567927	-35.233986	-12.313496	-11.566646	-17.564825	-24.417286	-20.525202	-23.279228	-8.306873	-14.918021	-21.258782	-22.005889	-21.513423	-20.728108
334	-6.933046	-5.758224	-31.467477	-20.769413	-19.840433	-16.286064	-12.046716	-17.942445	-20.585159	-20.69949	-19.315466	-33.580792	-11.191242	-10.906498	-16.578132	-26.465	-19.470843	-20.948343	-8.370708	-16.729462	-23.07825	-35.655528	-21.355524	-20.311299
335	-6.806595	-5.753981	-32.294056	-19.750976	-20.958793	-14.620335	-13.274784	-19.298675	-20.117137	-19.709513	-19.321206	-33.830696	-10.876486	-10.126401	-15.769257	-26.172366	-18.835636	-19.441433	-8.388219	-18.323108	-24.395537	-27.313691	-22.059735	-20.230268
336	-6.794826	-5.933015	-34.498163	-19.522907	-21.933365	-14.176918	-14.713698	-21.611248	-19.223914	-16.937099	-19.339905	-37.409989	-10.753239	-9.774613	-15.35704	-24.963207	-18.75208	-18.599216	-8.220416	-19.109726	-25.884332	-22.162789	-22.570039	-20.643212
337	-6.797791	-6.266225	-30.429968	-19.434013	-22.411273	-15.029219	-15.963314	-23.105091	-18.528733	-15.159527	-18.808104	-36.984485	-10.756539	-9.996689	-15.795663	-24.719237	-19.670467	-18.141766	-7.878625	-19.932619	-28.09902	-20.483118	-22.574461	-21.623163
338	-6.683773	-6.762835	-23.744297	-19.31961	-22.916405	-17.657235	-16.902067	-22.375548	-18.279007	-14.415737	-17.912088	-31.407252	-11.378552	-10.674643	-17.482594	-25.335966	-21.974446	-17.839119	-7.748466	-20.025343	-27.802597	-20.834397	-22.558319	-23.269402
339	-6.495164	-7.462487	-20.038676	-19.589912	-23.626961	-21.581494	-16.895939	-20.373073	-19.055809	-14.831688	-16.789257	-28.799518	-12.189321	-11.75305	-19.62309	-27.616921	-23.605809	-17.326298	-7.97345	-18.918755	-24.487123	-23.681312	-24.088162	-25.793964
340	-6.365578	-8.309829	-18.300223	-20.707952	-21.300701	-24.222022	-16.355003	-18.481411	-21.169372	-16.459065	-16.06933	-28.189366	-12.038685	-13.566006	-20.35982	-30.441018	-21.638425	-16.419911	-8.385626	-17.764032	-22.499534	-28.514123	-26.409254	-27.754335
341	-6.571453	-9.301884	-17.737644	-22.64771	-18.523728	-19.392051	-15.907541	-17.777379	-23.717832	-17.79511	-15.838442	-28.296502	-10.872439	-14.859234	-19.909631	-28.40987	-18.69688	-15.377922	-8.330748	-17.02766	-21.411954	-26.96531	-26.488996	-28.712229
342	-7.07204	-10.189356	-17.461158	-24.257358	-17.087145	-16.376284	-15.559616	-17.538874	-25.798408	-18.006754	-15.77418	-27.754597	-10.041426	-15.40268	-19.642299	-23.83264	-17.068054	-14.603327	-7.791784	-16.542665	-21.614324	-21.389446	-24.105327	-28.047227
343	-7.736007	-11.099795	-16.81345	-26.119255	-16.855673	-15.105396	-14.849751	-17.243658	-34.628575	-15.721489	-15.577226	-26.427273	-9.939404	-14.751759	-18.387621	-20.259589	-15.907016	-14.358082	-7.274674	-16.057383	-21.737615	-18.770955	-21.888918	-25.540138
344	-8.427213	-12.202106	-15.43373	-29.468932	-17.937339	-15.078955	-13.851782	-16.898396	-30.066216	-13.401428	-15.198477	-25.315845	-10.25733	-13.713817	-16.168524	-17.625744	-14.721249	-14.775102	-7.165361	-15.276196	-21.850516	-17.804306	-21.296375	-24.118699
345	-8.830195	-13.932662	-14.357415	-32.771708	-19.449793	-15.674263	-12.981903	-16.811423	-29.914653	-11.9816	-15.074066	-24.041213	-10.329498	-12.880756	-14.015879	-16.455865	-13.425769	-15.730488	-7.275913	-14.473205	-22.455564	-18.284986	-21.873094	-23.195248
346	-8.844765	-15.835558	-13.951536	-29.636447	-19.6647	-16.086453	-12.715496	-16.673941	-28.171101	-11.516921	-15.650112	-22.470196	-10.06576	-12.267201	-12.82922	-16.243008	-12.552054	-17.510372	-7.186773	-13.942663	-23.254964	-19.953359	-24.068247	-22.737142
347	-8.468707	-17.538983	-14.520689	-25.925993	-17.617685	-15.367456	-13.156036	-15.772862	-24.301044	-11.738779	-17.566107	-21.046504	-9.782374	-12.048771	-12.984243	-16.985733	-12.158004	-20.578531	-6.868169	-13.781704	-23.307104	-21.283429	-26.0005	-22.411012
348	-7.772513	-18.611781	-16.002896	-23.562649	-15.767582	-14.123058	-14.003225	-13.879813	-21.465483	-12.505932	-21.49912	-19.729097	-10.059946	-12.517311	-14.143342	-18.882305	-12.366804	-20.725761	-6.494526	-13.426323	-22.113308	-19.310189	-26.047108	-21.967831
349	-6.958455	-18.652209	-18.501947	-23.056459	-15.217137	-13.345455	-14.593952	-12.107426	-20.120815	-13.874905	-26.842068	-19.061817	-11.234028	-13.671589	-15.778253	-21.713911	-13.283118	-16.612356	-6.30243	-12.40988	-20.145062	-16.304006	-25.285275	-22.228829
350	-6.257739	-18.015515	-20.709087	-23.553042	-15.718513	-13.017367	-13.806944	-11.243058	-19.929838	-15.949563	-28.450053	-19.086708	-13.787972	-14.857165	-16.310022	-22.412859	-14.873714	-13.740901	-6.369863	-11.228982	-18.61505	-14.249093	-25.522801	-22.474245
351	-5.728211	-17.428645	-20.336901	-24.127232	-16.872234	-12.64304	-12.706392	-10.827937	-19.877651	-17.445383	-24.597266	-19.528317	-17.912193	-15.14411	-15.506754	-18.687847	-17.317882	-12.124737	-6.638344	-10.151665	-17.679901	-13.193824	-25.911787	-22.26421
352	-5.481943	-17.14482	-18.802128	-23.990735	-19.512432	-11.840748	-11.551945	-10.689823	-19.534215	-17.445316	-21.53446	-20.312568	-24.411025	-14.598271	-14.469815	-16.257521	-19.984605	-11.323431	-7.175409	-9.435123	-17.334409	-12.892599	-25.811539	-21.986186
353	-5.563199	-17.020019	-17.999783	-23.610141	-22.223283	-11.064806	-10.628923	-10.729325	-19.431899	-15.768648	-19.229726	-21.3307	-23.428146	-13.418253	-14.283608	-14.379597	-22.424572	-11.130605	-7.875244	-9.087801	-17.143631	-13.234834	-25.865871	-21.677171
354	-5.86981	-17.731343	-18.0951	-23.744213	-24.92942	-10.55746	-9.845987	-10.953282	-19.977284	-14.707687	-17.224791	-22.388117	-17.140583	-12.141876	-14.741839	-13.378787	-23.809587	-11.032129	-8.60434	-8.731442	-16.832459	-14.092636	-26.550269	-21.654308
355	-6.296635	-19.055575	-18.53036	-24.715187	-27.746166	-10.360071	-9.297146	-11.436579	-20.640455	-14.442211	-15.232756	-23.217317	-13.600466	-10.840058	-15.431029	-12.958715	-24.41919	-10.785935	-9.10979	-8.303018	-16.586884	-15.292484	-29.349964	-21.908221
356	-6.819702	-21.575669	-18.870869	-26.221961	-32.191532	-10.351124	-8.951972	-11.793436	-20.279199	-15.270008	-13.671997	-24.30049	-11.397874	-10.249842	-15.67678	-13.178761	-24.949116	-10.460806	-9.619097	-7.965008	-16.775866	-17.243928	-32.865322	-22.775289
357	-7.423453	-23.664934	-19.382137	-27.569236	-30.790791	-10.394888	-8.923172	-11.747151	-18.619297	-16.711209	-12.561192	-26.205067	-10.323933	-10.227112	-15.026525	-13.979607	-26.379757	-10.444631	-9.938507	-7.935692	-17.316463	-19.339915	-33.013504	-24.281181
358	-8.240332	-24.875375	-20.059672	-29.872669	-25.369663	-10.551502	-9.15686	-11.482116	-17.42516	-17.965026	-11.887754	-29.769482	-9.973473	-10.515876	-13.811926	-15.367851	-28.31755	-10.82296	-9.985792	-8.006787	-17.898525	-20.966819	-32.787362	-26.531143
359	-9.051449	-24.572469	-20.968942	-33.146834	-21.29068	-10.880184	-9.668827	-11.307519	-16.725147	-18.402915	-11.642503	-36.400746	-10.324459	-10.705097	-12.704212	-17.482487	-29.445042	-11.467671	-9.605684	-8.129059	-18.538341	-21.070807	-30.512707	-28.362667
360	-9.981699	-24.394566	-21.294026	-39.540943	-18.699764	-11.323979	-10.108627	-11.216122	-15.599514	-16.635311	-12.010883	-40.791844	-10.997044	-10.704899	-12.068318	-22.559254	-27.306721	-11.822346	-8.995304	-8.260864	-19.928483	-20.566247	-25.937412	-27.931034

Max Value FCC 5200MHz : 30 < θ < 150 IC 5300MHz : 8 < θ < 172	-5.46	-6.57	-6.59	-5.32