

Theta	5100.00(MHz)	5200.00(MHz)	5300.00(MHz)	5400.00(MHz)	5500.00(MHz)	5600.00(MHz)	5700.00(MHz)	5800.00(MHz)	5900.00(MHz)
-180	-16.9166	-18.8024	-17.0697	-15.2509	-17.5796	-12.2263	-19.1834	-12.45	-16.3329
-179	-17.9029	-19.5775	-17.0243	-17.5368	-17.2096	-14.6968	-19.6118	-13.4576	-18.3557
-178	-19.089	-16.9128	-16.9333	-18.8406	-16.1279	-18.6155	-18.0931	-14.7344	-18.7175
-177	-19.9115	-14.0256	-16.0964	-17.4855	-14.4581	-20.203	-15.8735	-15.6839	-16.1833
-176	-20.2228	-11.9725	-14.8994	-15.7197	-12.8896	-17.2377	-14.2058	-16.176	-13.5227
-175	-20.284	-10.6326	-14.1353	-14.8867	-11.8392	-15.1711	-13.354	-16.833	-11.7193
-174	-19.6024	-9.811	-14.2507	-14.8924	-11.4614	-14.6858	-13.2608	-18.4117	-10.7366
-173	-17.481	-9.37923	-15.4748	-14.9759	-11.8107	-15.3203	-13.7873	-21.3983	-10.4035
-172	-14.8181	-9.28771	-17.8377	-14.1173	-12.937	-15.8859	-14.6789	-23.4764	-10.5385
-171	-12.6703	-9.55631	-19.8563	-12.511	-14.9118	-14.6889	-15.5326	-19.7141	-10.9184
-170	-11.3858	-10.2427	-18.2707	-11.1444	-17.7323	-12.4761	-16.0405	-15.8139	-11.2813
-169	-11.0592	-11.3876	-15.6376	-10.5379	-20.7212	-10.6957	-16.327	-13.2892	-11.4549
-168	-11.7796	-12.9342	-14.1152	-10.8717	-21.7263	-9.75949	-16.8263	-11.8039	-11.4905
-167	-13.741	-14.4725	-13.9127	-12.2329	-20.8535	-9.69347	-17.927	-11.0937	-11.6082
-166	-17.0381	-15.1431	-15.1002	-14.5836	-20.3284	-10.5024	-19.9032	-11.0056	-12.0382
-165	-18.9995	-14.6152	-18.0963	-16.731	-20.8648	-12.2478	-22.8843	-11.4563	-12.9566
-164	-15.8449	-13.6525	-23.6785	-15.9096	-22.3428	-15.0478	-25.8595	-12.3899	-14.5051
-163	-12.6387	-12.9049	-23.6988	-13.6121	-23.5524	-18.7207	-25.385	-13.7669	-16.8337
-162	-10.6773	-12.5323	-18.138	-11.9718	-22.4208	-20.5768	-23.0373	-15.4666	-20.1023
-161	-9.66319	-12.4497	-15.0986	-11.2417	-20.0594	-18.5423	-21.5061	-17.1882	-23.7521
-160	-9.32129	-12.5133	-13.7295	-11.2748	-18.171	-16.3681	-21.1331	-18.3271	-24.0318
-159	-9.43781	-12.5835	-13.5215	-11.8939	-17.0738	-15.1579	-21.9616	-18.5004	-21.0465
-158	-9.82623	-12.6125	-14.2512	-12.8855	-16.6837	-14.7815	-24.2153	-18.1178	-18.3935
-157	-10.3457	-12.6404	-15.7342	-13.9708	-16.856	-15.0765	-28.1316	-17.7771	-16.5294
-156	-10.9021	-12.775	-17.453	-14.8422	-17.3809	-15.8926	-29.6238	-17.7838	-15.3163
-155	-11.4521	-13.121	-18.2276	-15.2689	-17.9735	-16.9695	-25.4256	-18.1978	-14.6266
-154	-11.9385	-13.736	-17.4457	-15.2073	-18.3115	-17.7797	-22.2664	-18.9809	-14.3558
-153	-12.2339	-14.5432	-16.1539	-14.7363	-18.282	-17.6621	-20.6008	-20.028	-14.3484
-152	-12.1809	-15.1703	-15.1361	-14.0044	-18.0493	-16.6495	-19.9256	-21.2107	-14.3673
-151	-11.7206	-14.9915	-14.5332	-13.1833	-17.8415	-15.3873	-19.7311	-22.419	-14.1679
-150	-10.9969	-13.9149	-14.2453	-12.4423	-17.7601	-14.3583	-19.4547	-23.5297	-13.6747
-149	-10.2597	-12.5602	-14.1393	-11.9144	-17.7797	-13.7607	-18.806	-24.2598	-13.0475
-148	-9.72308	-11.4671	-14.1504	-11.6935	-17.7834	-13.6762	-18.0505	-24.2147	-12.4955
-147	-9.49942	-10.8286	-14.2908	-11.8394	-17.6286	-14.1636	-17.6401	-23.4751	-12.143
-146	-9.63487	-10.6465	-14.6206	-12.3781	-17.2309	-15.2957	-17.878	-22.6168	-12.0061
-145	-10.0831	-10.8219	-15.1773	-13.2571	-16.6177	-17.1568	-18.9044	-22.0472	-12.0325
-144	-10.6974	-11.1475	-15.9213	-14.3035	-15.8851	-19.6876	-20.6126	-21.7114	-12.1415
-143	-11.2257	-11.3706	-16.686	-15.1424	-15.1404	-22.0454	-21.9792	-21.1231	-12.2795
-142	-11.4536	-11.3218	-17.236	-15.4143	-14.458	-22.1925	-21.1097	-19.8275	-12.465
-141	-11.3933	-11.044	-17.4229	-15.1684	-13.8858	-20.6722	-18.8302	-18.0713	-12.7847
-140	-11.2781	-10.7283	-17.3671	-14.8015	-13.4393	-19.4218	-16.8125	-16.4122	-13.3596
-139	-11.3282	-10.5308	-17.2993	-14.6491	-13.1271	-18.9909	-15.4622	-15.1698	-14.3294
-138	-11.6473	-10.5145	-17.3234	-14.874	-12.9616	-19.4336	-14.7549	-14.391	-15.8623
-137	-12.2175	-10.6522	-17.3997	-15.5328	-12.9394	-20.6068	-14.6338	-14.0201	-18.1566
-136	-12.901	-10.8482	-17.3258	-16.593	-13.0331	-21.7588	-15.0643	-13.9063	-21.2042
-135	-13.4803	-10.9601	-16.9158	-17.8339	-13.1446	-20.976	-16.015	-13.8882	-22.8682
-134	-13.7481	-10.8631	-16.1436	-18.6325	-13.1235	-18.3381	-17.3626	-13.8349	-20.1884
-133	-13.689	-10.529	-15.179	-18.3337	-12.8512	-15.693	-18.7895	-13.6983	-16.7594
-132	-13.4833	-10.0507	-14.1936	-17.2599	-12.3639	-13.6699	-19.7459	-13.5214	-14.1223
-131	-13.3569	-9.54678	-13.2734	-16.2028	-11.8558	-12.2752	-20.0014	-13.3582	-12.1903
-130	-13.4402	-9.0865	-12.4345	-15.5697	-11.5353	-11.4076	-19.9842	-13.2396	-10.7842
-129	-13.724	-8.68092	-11.6498	-15.4258	-11.5578	-10.9378	-20.0806	-13.1885	-9.77837
-128	-14.054	-8.30692	-10.9248	-15.6579	-12.0162	-10.7347	-20.0895	-13.2492	-9.09662
-127	-14.1816	-7.96484	-10.279	-16.0053	-12.9723	-10.6673	-19.3519	-13.4993	-8.68641
-126	-13.9984	-7.69311	-9.75907	-16.1564	-14.4761	-10.637	-17.7339	-14.0218	-8.52538
-125	-13.6623	-7.56564	-9.41095	-15.9451	-16.5665	-10.6095	-15.8896	-14.8848	-8.5903
-124	-13.4483	-7.6446	-9.25717	-15.4787	-19.2035	-10.5964	-14.3407	-16.1284	-8.86871
-123	-13.5412	-7.96835	-9.29114	-14.9299	-21.7554	-10.6419	-13.2475	-17.752	-9.33062
-122	-13.9795	-8.52416	-9.46802	-14.3541	-22.017	-10.7566	-12.584	-19.6787	-9.92781
-121	-14.6612	-9.22703	-9.69481	-13.6785	-19.6469	-10.9319	-12.2671	-21.5626	-10.5628
-120	-15.3044	-9.89149	-9.83518	-12.7895	-16.9295	-11.1272	-12.1691	-22.3916	-11.0917
-119	-15.5007	-10.2317	-9.74737	-11.6777	-14.6725	-11.2951	-12.1477	-21.2887	-11.3702
-118	-15.0289	-10.0387	-9.35306	-10.4384	-12.9052	-11.3711	-12.0736	-19.1869	-11.3591
-117	-14.0815	-9.38536	-8.70536	-9.22685	-11.5374	-11.3248	-11.8946	-17.1997	-11.1717
-116	-13.0255	-8.5641	-7.95618	-8.1606	-10.4792	-11.1832	-11.6527	-15.703	-11.01
-115	-12.1233	-7.84356	-7.26087	-7.30364	-9.64804	-11.044	-11.4558	-14.7544	-11.0507
-114	-11.5207	-7.37737	-6.71299	-6.67806	-8.99259	-11.0133	-11.4259	-14.3331	-11.4131
-113	-11.2754	-7.22342	-6.36329	-6.26936	-8.49149	-11.1746	-11.6596	-14.3868	-12.1547
-112	-11.3898	-7.36233	-6.21183	-6.03652	-8.15219	-11.5255	-12.2179	-14.8672	-13.2553
-111	-11.8188	-7.73864	-6.24046	-5.93588	-7.9896	-11.9788	-13.1393	-15.6874	-14.5336
-110	-12.472	-8.25862	-6.42217	-5.93517	-8.01443	-12.3917	-14.4183	-16.7303	-15.5497
-109	-13.2611	-8.82995	-6.72734	-6.02026	-8.20447	-12.6755	-16.0167	-17.8031	-15.7958
-108	-14.1303	-9.41414	-7.1363	-6.19338	-8.52092	-12.8788	-17.8244	-18.6456	-15.312
-107	-15.1047	-10.0325	-7.62018	-6.45267	-8.89384	-13.1412	-19.6317	-19.033	-14.6531
-106	-16.2139	-10.7245	-8.13313	-6.77254	-9.23448	-13.5603	-21.1448	-18.9629	-14.2332
-105	-17.364	-11.4909	-8.63003	-7.09554	-9.46117	-14.0976	-22.118	-18.6636	-14.239
-104	-18.2992	-12.2531	-8.9397	-7.3418	-9.50451	-14.5992	-22.5651	-18.4134	-14.7586
-103	-18.7638	-12.8451	-9.05388	-7.42284	-9.33901	-14.8377	-22.7288	-18.4033	-15.8387
-102	-18.757	-13.0556	-8.87949	-7.26729	-8.97541	-14.6753	-22.7959	-18.7001	-17.5411
-101	-18.3372	-12.679	-8.41077	-6.84384	-8.46369	-14.073	-22.6351	-19.1911	-19.8383
-100	-17.3773	-11.7061	-7.71596	-6.1876	-7.86563	-13.0483	-21.8034	-19.4763	-22.155
-99	-15.8879	-10.4105	-6.92989	-5.41321	-7.23925	-11.7228	-20.1494	-18.9751	-22.6981
-98	-14.2378	-9.13213	-6.20132	-4.66567	-6.63515	-10.3238	-18.1524	-17.6074	-21.1244
-97	-12.8074	-8.1229	-5.65144	-4.06954	-6.0949	-9.07531	-16.3173	-15.9104	-19.2725
-96	-11.778	-7.50241	-5.35013	-3.70629	-5.66273	-8.13516	-14.8756	-14.3741	-17.9272
-95	-11.1777	-7.31747	-5.32634	-3.61264	-5.37823	-7.57436	-13.8853	-13.1952	-17.1715
-94	-10.939	-7.56547	-5.57195	-3.79001	-5.27889	-7.4145	-13.3194	-12.4342	-16.9811
-93	-10.9607	-8.21665	-6.04718	-4.20737	-5.39416	-7.64116	-13.1303	-12.0968	-17.3573
-92	-11.1436	-9.21499	-6.6852	-4.80802	-5.73719	-8.20819	-13.2506	-12.1502	-18.3207
-91	-11.4158	-10.4523	-7.40429	-5.51058	-6.29746	-9.02473	-13.5787	-12.5135	-19.8248
-90	-11.7407	-11.7483	-8.11525	-6.22111	-7.03245	-9.95075	-13.9563	-13.0226	-21.477
-89	-12.0794	-12.8399	-8.7531	-6.84002	-7.84949	-10.7823	-14.1688	-13.3778	-22.2123
-88	-12.3622	-13.4498	-9.29218	-7.29543	-8.60795	-11.3263	-14.0007	-13.2656	-21.4358
-87	-12.5358	-13.5216	-9.74181	-7.55265	-9.12434	-11.4846	-13.3488	-12.6008	-19.9918
-86	-12.6512	-13.2881	-10.1303	-7.6203	-9.24458	-11.2596	-12.7292	-11.5714	-18.3836
-85	-12.8743	-13.0317	-10.475	-7.52619	-8.91584	-10.7159	-10.9627	-10.3895	-16.4203
-84	-13.3835	-12.9196	-10.7602	-7.30828	-8.2174	-9.92791	-9.556	-9.15598	-14.025
-83	-14.3016	-12.9603	-10.9231	-6.98536	-7.28946	-8.98862	-8.16993	-7.91659	-11.5173
-82	-15.6019	-13.0418	-10.8628	-6.57536	-6.30085	-8.00817	-6.88609	-6.71625	-9.23304
-81	-17.0609	-12.9787	-10.4964	-6.09534	-5.38703	-7.08768	-5.76183	-5.61058	-7.33229
-80	-18.2302	-12.6485	-9.82383	-5.58107	-4.64895	-6.30668	-4.83382	-4.65753	-5.85516
-79	-18.7208	-12.0448	-8.96419	-5.10163	-4.14935	-5.72177	-4.12743	-3.90304	-4.78876
-78	-18.5352	-11.2681	-8.09001	-4.73669	-3.92656	-5.36568	-3.65655		

-68	-13.0542	-12.1431	-9.38878	-11.8878	-9.49457	-9.58693	-3.26942	-3.60644	-6.16707
-67	-12.176	-11.922	-8.38238	-10.1204	-8.88404	-8.85454	-2.45051	-2.72304	-4.9201
-66	-11.6182	-11.2322	-7.33009	-8.44082	-8.17009	-7.96066	-1.69278	-1.87966	-3.66138
-65	-11.3233	-10.3075	-6.40709	-7.05254	-7.56541	-7.14864	-1.09725	-1.19823	-2.56277
-64	-11.1478	-9.41431	-5.7244	-6.01743	-7.19825	-6.57447	-0.725712	-0.752868	-1.72798
-63	-10.9558	-8.75295	-5.34378	-5.3417	-7.11382	-6.31499	-0.599753	-0.58002	-1.20564
-62	-10.7148	-8.44556	-5.28884	-4.99103	-7.29753	-6.37831	-0.710359	-0.683191	-1.0126
-61	-10.4847	-8.5528	-5.5257	-4.886	-7.69573	-6.72779	-1.02346	-1.0297	-1.1298
-60	-10.3503	-9.06271	-5.96633	-4.91762	-8.19987	-7.26781	-1.47338	-1.54656	-1.50089
-59	-10.3703	-9.90186	-6.47128	-4.97539	-8.68402	-7.85699	-1.97201	-2.11472	-2.02543
-58	-10.5393	-10.8877	-6.89159	-4.99012	-9.03789	-8.34169	-2.43163	-2.59378	-2.56238
-57	-10.791	-11.6993	-7.1485	-4.96401	-9.21753	-8.62187	-2.80249	-2.87786	-2.97932
-56	-10.9517	-11.9259	-7.25642	-4.93698	-9.26795	-8.70964	-3.09718	-2.95662	-3.22099
-55	-10.7454	-11.3364	-7.27697	-4.94638	-9.25819	-8.70213	-3.37636	-2.90223	-3.34498
-54	-9.99698	-10.1094	-7.2518	-4.99882	-9.25464	-8.7222	-3.71737	-2.80807	-3.45894
-53	-8.81914	-8.63401	-7.18905	-5.07407	-9.27977	-8.8423	-4.17539	-2.7445	-3.66179
-52	-7.52218	-7.22414	-7.08954	-5.1426	-9.32011	-9.04567	-4.74889	-2.73559	-3.99826
-51	-6.34353	-6.04932	-6.95572	-5.18918	-9.33705	-9.16196	-5.34213	-2.76081	-4.44523
-50	-5.38535	-5.16361	-6.78206	-5.20528	-9.2869	-8.9093	-5.7443	-2.76997	-4.89165
-49	-4.65862	-4.55359	-6.55362	-5.20805	-9.14871	-8.13389	-5.7227	-2.71448	-5.15513
-48	-4.12393	-4.16706	-6.27845	-5.23543	-8.95453	-7.02645	-5.23042	-2.59214	-5.10048
-47	-3.72035	-3.93226	-6.00846	-5.34644	-8.76653	-5.93586	-4.48062	-2.47066	-4.78529
-46	-3.38347	-3.77421	-5.82515	-5.59699	-8.67002	-5.10324	-3.73	-2.45847	-4.43179
-45	-3.06268	-3.6416	-5.79884	-6.03132	-8.73311	-4.63511	-3.12988	-2.6514	-4.27282
-44	-2.72813	-3.49796	-5.943	-6.63296	-8.99011	-4.54807	-2.71388	-3.09544	-4.44301
-43	-2.38087	-3.33146	-6.19138	-7.30903	-9.42093	-4.79246	-2.42876	-3.74623	-4.96929
-42	-2.04755	-3.13875	-6.4065	-7.87532	-9.88644	-5.22775	-2.17695	-4.4286	-5.73491
-41	-1.77165	-2.92617	-6.43806	-8.11444	-10.1118	-5.5844	-1.86221	-4.84542	-6.45064
-40	-1.59574	-2.71599	-6.22375	-7.92827	-9.78525	-5.52284	-1.43816	-4.77728	-6.73556
-39	-1.55495	-2.5392	-5.83323	-7.40171	-8.84964	-4.88483	-0.925623	-4.30192	-6.46216
-38	-1.66492	-2.43309	-5.8932	-6.71093	-7.56416	-3.84641	-0.376427	-3.66331	-5.85065
-37	-1.9222	-2.42505	-4.97577	-6.0003	-6.21915	-2.69977	0.173876	-3.01529	-5.14447
-36	2.29377	-2.52128	-4.61464	-5.3463	-4.97547	-1.62953	0.723295	-2.34635	-4.40319
-35	-2.71475	-2.69839	-4.27305	-4.76553	-3.88604	-0.697357	1.31089	-1.56172	-3.5677
-34	-3.08142	-2.89277	-3.87841	-4.22935	-2.95254	0.100682	1.95319	-0.598886	-2.6021
-33	-3.25469	-2.99833	-3.35909	-3.69012	-2.16052	0.791263	2.65734	0.501093	-1.55041
-32	-3.13014	-2.90155	-2.69475	-3.11348	-1.49905	1.38753	3.37525	1.62241	-0.507561
-31	-2.70023	-2.53753	-1.92335	-2.499	-0.966125	1.87894	4.05192	2.65551	0.446431
-30	-2.06402	-1.94037	-1.11859	-1.86764	-0.558117	2.23105	4.63081	3.5362	1.27697
-29	-1.3417	-1.19705	-0.330367	-1.23032	-0.268204	2.40353	5.07749	4.24848	1.99346
-28	-0.606125	-0.385565	0.434067	-0.558022	-0.0582034	2.37146	5.37772	4.81182	2.63272
-27	-0.132186	0.460219	1.2074	0.197098	0.146093	2.14751	5.55364	5.2608	3.24183
-26	0.897162	1.33593	2.02589	1.06652	0.452169	1.81728	5.63679	5.6405	3.85343
-25	1.71048	2.2396	2.89375	2.02421	0.957382	1.56674	5.69096	5.98202	4.46878
-24	2.56243	3.15152	3.77309	2.99865	1.68435	1.62921	5.78095	6.29669	5.05619
-23	3.4145	4.03756	4.60518	3.91313	2.55778	2.12417	5.95331	6.5761	5.5686
-22	4.21856	4.85249	5.33469	4.70761	3.46334	2.94803	6.21974	6.81078	5.97944
-21	4.93903	5.57364	5.93529	5.35868	4.30407	3.88664	6.56717	6.99679	6.28773
-20	5.56182	6.18869	6.40052	5.88246	5.02455	4.78281	6.96699	7.16383	6.52808
-19	6.09475	6.70266	6.75E+00	6.31091	5.62815	5.5714	7.37695	7.35351	6.75987
-18	6.57E+00	7.14E+00	7.04E+00	6.69E+00	6.13E+00	6.25724	7.79E+00	7.61201	7.03981
-17	7.03E+00	7.54E+00	7.31E+00	7.07E+00	6.57E+00	6.86E+00	8.18E+00	7.95731	7.39198
-16	7.53E+00	7.93E+00	7.61E+00	7.47E+00	6.98E+00	7.41E+00	8.55E+00	8.36237	7.78941
-15	8.07167	8.35E+00	7.96E+00	7.89E+00	7.38E+00	7.89E+00	8.88E+00	8.77554	8.19687
-14	8.65692	8.77425	8.34E+00	8.30E+00	7.76E+00	8.31E+00	9.16E+00	9.14172	8.56527
-13	9.23325	9.19931	8.7105	8.66E+00	8.12E+00	8.64E+00	9.39E+00	9.42101	8.86868
-12	9.75234	9.58142	9.02642	8.93778	8.43557	8.86E+00	9.55E+00	9.60152	9.10987
-11	10.1773	9.88842	9.25948	9.13047	8.69296	8.97E+00	9.65E+00	9.69324	9.29925
-10	10.4854	10.1062	9.39887	9.25253	8.89946	8.99503	9.70E+00	9.71891	9.45156
-9	10.69	10.2339	9.46118	9.34378	9.07035	8.97265	9.73277	9.71082	9.57359
-8	10.8142	10.2997	9.49039	9.45387	9.23159	8.95729	9.75274	9.69084	9.65731
-7	10.9007	10.3372	9.52151	9.61447	9.40842	9.00343	9.77411	9.67054	9.69542
-6	10.9847	10.3828	9.5926	9.83747	9.61294	9.12955	9.79967	9.64481	9.67372
-5	11.0866	10.4594	9.70316	10.0969	9.84336	9.31647	9.81903	9.60327	9.59308
-4	11.2026	10.5726	9.83531	10.349	10.0716	9.52883	9.82493	9.54359	9.47372
-3	11.3102	10.7035	9.95079	10.5525	10.2734	9.72372	9.80385	9.47278	9.3529
-2	11.3745	10.8161	10.0149	10.683	10.4237	9.87608	9.75818	9.40401	9.27456
-1	11.3701	10.8905	10.0123	10.7368	10.5099	9.98312	9.68892	9.35879	9.26309
0	11.2849	10.9112	9.94818	10.7285	10.5349	10.0599	9.6095	9.34352	9.31121
1	11.1339	10.8734	9.84191	10.6855	10.508	10.1192	9.52061	9.34767	9.37523
2	10.937	10.7898	9.71764	10.6253	10.4359	10.1623	9.41929	9.33925	9.40418
3	10.7261	10.6677	9.59198	10.5532	10.3261	10.1683	9.29219	9.2793	9.35843
4	10.5173	10.5098	9.46119	10.45	10.1693	10.1068	9.12441	9.14287	9.21258
5	10.301	10.3086	9.29242	10.2794	9.95399	9.93575	8.896	8.9097	8.97532
6	10.0441	10.0401	9.04798	10.0065	9.65697	9.63101	8.59584	8.58707	8.67274
7	9.70487	9.68114	8.68807	9.6115	9.26853	9.18E+00	8.22E+00	8.19E+00	8.33362
8	9.24995	9.21156	8.20004	9.09675	8.78536	8.60E+00	7.79E+00	7.74E+00	7.97977
9	8.67052	8.63391	7.59032	8.49946	8.22459	7.91E+00	7.28E+00	7.26E+00	7.61737
10	7.9885	7.96478	6.89815	7.87783	7.62095	7.16E+00	6.73E+00	6.75E+00	7.23664
11	7.26518	7.24873	6.19041	7.13364	7.02449	6.41E+00	6.12E+00	6.18E+00	6.81311
12	6.59668	6.54639	5.55539	6.86754	6.49773	5.71E+00	5.49E+00	5.55E+00	6.33821
13	6.08224	5.92213	5.05484	6.56674	6.08252	5.11E+00	4.83E+00	4.86E+00	5.82E+00
14	5.76706	5.41433	4.71838	6.38349	5.81252	4.65E+00	4.21E+00	4.12E+00	5.30E+00
15	5.64286	5.03085	4.522	6.25E+00	5.67E+00	4.36E+00	3.70E+00	3.40E+00	4.84E+00
16	5.63E+00	4.74401	4.40135	6.12E+00	5.62E+00	4.25E+00	3.37E+00	2.80146	4.51E+00
17	5.65E+00	4.51E+00	4.30E+00	5.94E+00	5.61E+00	4.30089	3.27409	2.42975	4.31057
18	5.65E+00	4.30E+00	4.16E+00	5.69E+00	5.61E+00	4.4709	3.38158	2.31642	4.21362
19	5.60E+00	4.08E+00	3.99E+00	5.38506	5.56503	4.678	3.60461	2.40202	4.13098
20	5.49E+00	3.83E+00	3.7744	5.03745	5.47291	4.83345	3.83839	2.55478	3.99746
21	5.35368	3.56288	3.53456	4.66942	5.3144	4.85121	3.97949	2.66306	3.77303
22	5.18495	3.27846	3.26023	4.28704	5.07283	4.66573	3.96788	2.6508	3.48173
23	4.98739	2.97585	2.93694	3.8774	4.7328	4.24602	3.76987	2.4901	3.15675
24	4.75092	2.64809	2.53418	3.40695	4.29482	3.58691	3.38412	2.20213	2.86339
25	4.43802	2.29168	2.02782	2.86418	3.76354	2.70605	2.8275	1.80996	2.60852
26	4.04163	1.90669	1.42166	2.26493	3.16454	1.71775	2.14927	1.3563	2.39498
27	3.55446	1.5224	0.763735	1.66813	2.54484	0.794432	1.41141	0.875306	2.17034
28	3.0015	1.18002	0.14652	1.17277	1.97364	0.159559	0.699904	0.411812	1.92403
29	2.43195	0.894698	-0.312254	0.884206	1.52545	-0.0679331	0.100984	0.0267476	1.66521
30	1.90235	0.687065	-0.523276	0.854618	1.24594	0.026655	-0.328141	-0.210612	1.4492
31	1.44835	0.540633	-0.478569	1.04117	1.12924	0.238806	-0.582496	-0.256547	1.3362
32	1.09258	0.42674	-0.257711	1.32812	1.11081	0.390321	-0.711685	-0.143579	1.33503
33	0.823023	0.311143	0.0190562	1.58609	1.10157	0.380586	-0.797144	0.0319965	1.41753
34	0.594167	0.151517	0.235195	1.71274	1.01966	0.168323	-0.91584	0.16229	1.48789
35	0.345142	-0.0957029	0.						

45	-5.97447	-3.86855	-3.2921	-4.46729	-5.68978	-12.1023	-16.5072	-10.0702	-6.35608
46	-6.51153	-3.46862	-2.94279	-4.36669	-6.08983	-12.5075	-20.4738	-11.6324	-7.8731
47	-6.86413	-3.076	-2.4761	-3.98154	-6.21261	-11.5738	-18.3236	-12.9346	-9.32198
48	-6.96625	-2.75814	-2.00989	-3.43243	-6.10738	-10.3803	-14.5041	-13.5958	-10.4576
49	-6.83876	-2.56492	-1.64376	-2.87665	-5.90778	-9.50852	-11.8416	-13.3037	-11.0208
50	-6.57681	-2.53545	-1.44625	-2.43824	-5.75452	-9.05397	-10.0747	-12.3004	-10.9093
51	-6.30494	-2.69587	-1.45444	-2.18985	-5.74485	-8.96097	-8.91369	-11.1026	-10.2863
52	-6.13405	-3.07087	-1.69081	-2.16674	-5.91826	-9.11887	-8.18214	-10.0221	-9.44256
53	-6.13565	-3.68834	-2.16258	-2.37499	-6.27307	-9.38381	-7.74767	-9.16153	-8.62466
54	-6.32528	-4.56766	-2.86047	-2.79373	-6.75831	-9.58781	-7.50959	-8.53055	-7.98466
55	-6.65052	-5.68706	-3.74076	-3.37355	-7.26883	-9.59346	-7.38562	-8.12879	-7.61078
56	-6.95486	-6.90031	-4.69638	-4.03038	-7.66716	-9.36281	-7.32248	-7.94541	-7.57128
57	-7.0345	-7.83528	-5.53494	-4.64992	-7.82518	-8.95173	-7.28784	-7.96108	-7.92226
58	-6.76858	-8.03079	-6.0376	-5.1171	-7.71454	-8.47371	-7.27123	-8.11144	-8.71977
59	-6.23865	-7.45722	-6.11853	-5.37234	-7.42639	-8.02206	-7.27726	-8.27845	-9.98888
60	-5.64007	-6.57069	-5.90551	-5.45634	-7.09498	-7.67485	-7.33368	-8.32961	-11.5809
61	-5.14007	-5.7539	-5.61404	-5.47138	-6.84127	-7.48462	-7.48457	-8.20149	-12.8768
62	-4.81285	-5.16638	-5.3929	-5.52521	-6.74101	-7.49181	-7.79275	-7.96259	-12.8722
63	-4.6766	-4.82269	-5.31249	-5.69195	-6.83464	-7.72646	-8.32889	-7.74942	-11.6952
64	-4.71148	-4.6869	-5.37272	-6.00046	-7.13367	-8.21022	-9.17092	-7.69338	-10.3647
65	-4.89319	-4.70848	-5.5499	-6.4455	-7.62591	-8.95643	-10.395	-7.87357	-9.4042
66	-5.19523	-4.83569	-5.80772	-6.99903	-8.28406	-9.97929	-12.0864	-8.30837	-8.88735
67	-5.5899	-5.01681	-6.11393	-7.62251	-9.06476	-11.2862	-14.3466	-8.96928	-8.73779
68	-6.05045	-5.20257	-6.43631	-8.27898	-9.92946	-12.8706	-17.2595	-9.78958	-8.81675
69	-6.54902	-5.34973	-6.74818	-8.92381	-10.8581	-14.6612	-20.5153	-10.6543	-8.97174
70	-7.07293	-5.44436	-7.00655	-9.50181	-11.8542	-16.4458	-22.0487	-11.3997	-9.07241
71	-7.64189	-5.51197	-7.16902	-9.91193	-12.9123	-17.8569	-20.3672	-11.8482	-9.06729
72	-8.31857	-5.61213	-7.21004	-10.0498	-13.9384	-18.6762	-17.9973	-11.8979	-8.96859
73	-9.18893	-5.80993	-7.13736	-9.83868	-14.6917	-19.0972	-16.0984	-11.5673	-8.81616
74	-10.3491	-6.15905	-6.99664	-9.31026	-14.8214	-19.3569	-14.6983	-10.9988	-8.6458
75	-11.8912	-6.68276	-6.86369	-8.59286	-14.2102	-19.3383	-13.6932	-10.3597	-8.48297
76	-13.8594	-7.37826	-6.80826	-7.85213	-13.1542	-18.7319	-12.9973	-9.78592	-8.36209
77	-16.1355	-8.21567	-6.89984	-7.23695	-12.0288	-17.6105	-12.5382	-9.37089	-8.346
78	-18.0236	-9.14799	-7.18764	-6.85126	-11.0809	-16.4267	-12.266	-9.18208	-8.51096
79	-18.2358	-10.1092	-7.71004	-6.76236	-10.4228	-15.539	-12.1368	-9.25463	-8.92689
80	-16.9174	-11.0431	-8.49158	-7.007	-10.1045	-15.0856	-12.12	-9.60044	-9.66137
81	-15.3576	-11.8879	-9.5279	-7.59173	-10.1476	-15.0701	-12.2047	-10.2069	-10.758
82	-14.1459	-12.6174	-10.7916	-8.50085	-10.558	-15.4354	-12.4017	-11.0358	-12.2221
83	-13.364	-13.2284	-12.2178	-9.68962	-11.3088	-16.1002	-12.7403	-12.0354	-14.0093
84	-12.9587	-13.7517	-13.7371	-11.0861	-12.3308	-17.0057	-13.2446	-13.1559	-15.9919
85	-12.8481	-14.2195	-15.3113	-12.6078	-13.4895	-18.1048	-13.9092	-14.3887	-17.9849
86	-12.9523	-14.6291	-16.868	-14.1883	-14.5992	-19.399	-14.6739	-15.7467	-19.824
87	-13.2067	-14.9377	-18.0735	-15.7305	-15.5115	-20.8792	-15.3835	-17.1787	-21.1735
88	-13.5638	-15.0601	-18.1808	-16.9975	-16.2087	-22.4848	-15.8323	-18.321	-21.0886
89	-13.9813	-14.9337	-16.9926	-17.5207	-16.7623	-24.0598	-15.9072	-18.4679	-19.2085
90	-14.3888	-14.5449	-15.3524	-17.0941	-17.1959	-25.3406	-15.7099	-17.4289	-16.7627
91	-14.6935	-13.964	-13.9401	-16.1666	-17.4602	-25.9018	-15.4499	-15.9053	-14.6479
92	-14.8277	-13.3192	-12.9697	-15.2896	-17.4908	-25.3638	-15.3192	-14.4995	-13.067
93	-14.8563	-12.7508	-12.4438	-14.7382	-17.3547	-24.0034	-15.3961	-13.4289	-11.9934
94	-14.9668	-12.372	-12.3024	-14.5843	-17.2233	-22.5419	-15.691	-12.7454	-11.3607
95	-15.3626	-12.262	-12.4651	-14.8285	-17.2561	-21.4579	-16.1285	-12.4438	-11.0955
96	-16.1985	-12.457	-12.8645	-15.4378	-17.5545	-20.9238	-16.5728	-12.5022	-11.1387
97	-17.5573	-12.9552	-13.4432	-16.365	-18.1846	-20.9292	-16.8562	-12.8889	-11.4443
98	-19.426	-13.7052	-14.1819	-17.5421	-19.1908	-21.3376	-16.8629	-13.5384	-11.9703
99	-21.6523	-14.6038	-15.0674	-18.8213	-20.6214	-21.8824	-16.6495	-14.3372	-12.6752
100	-23.884	-15.5141	-16.0842	-19.9643	-22.4787	-22.2495	-16.3738	-15.149	-13.5103
101	-25.6247	-16.3181	-17.167	-20.6643	-24.4854	-22.3331	-16.208	-15.8524	-14.4081
102	-26.2777	-16.9202	-18.1678	-20.7842	-25.6819	-22.3286	-16.2507	-16.4013	-15.2751
103	-25.3545	-17.2385	-18.8633	-20.5051	-25.2055	-22.5028	-16.5492	-16.7301	-15.9612
104	-23.4357	-17.2152	-19.0853	-20.1284	-23.8896	-23.0066	-17.0711	-16.7206	-16.2965
105	-21.574	-16.8762	-18.8297	-19.8707	-22.723	-23.8631	-17.7145	-16.2898	-16.1541
106	-20.2585	-16.3866	-18.254	-19.8466	-21.9753	-25.002	-18.3127	-15.5927	-15.6477
107	-19.559	-15.9164	-17.5804	-20.122	-21.6061	-26.2387	-18.7137	-14.9307	-15.0814
108	-19.3749	-15.5294	-16.9888	-20.7566	-21.5002	-27.1858	-18.9015	-14.569	-14.751
109	-19.5323	-15.1672	-16.6266	-21.8397	-21.5496	-27.3304	-19.0091	-14.6513	-14.85
110	-19.8528	-14.7529	-16.5928	-23.5309	-21.6816	-26.5951	-19.1782	-15.2281	-15.4142
111	-20.2503	-14.2889	-16.955	-26.1296	-21.8505	-25.444	-19.4264	-16.2183	-16.2641
112	-20.7397	-13.884	-17.7051	-30.1407	-22.0077	-24.2257	-19.5913	-17.3065	-16.8018
113	-21.254	-13.6958	-18.7264	-34.3203	-22.0879	-22.9562	-19.416	-17.8603	-16.3591
114	-21.4199	-13.8451	-19.6496	-31.1329	-22.0176	-21.5596	-18.8121	-17.4843	-15.1902
115	-20.7939	-14.3945	-19.9596	-27.0377	-21.7175	-20.0939	-17.985	-16.5863	-14.0543
116	-19.5752	-15.3121	-19.5484	-24.5272	-21.1196	-18.75	-17.2151	-15.7699	-13.3718
117	-18.3978	-16.4571	-18.8631	-23.1237	-20.2232	-17.7217	-16.6704	-15.3193	-13.2431
118	-17.6741	-17.578	-18.3177	-22.4774	-19.1469	-17.1126	-16.3833	-15.3237	-13.6304
119	-17.5543	-18.3959	-18.0536	-22.3363	-18.0969	-17.0226	-16.2818	-15.7425	-14.3638
120	-18.0689	-18.7635	-18.0282	-22.4656	-17.2496	-17.4344	-16.2324	-16.4431	-15.0742
121	-19.1926	-18.6575	-18.1252	-22.6334	-16.724	-18.3827	-16.1147	-17.1476	-15.2225
122	-20.8233	-18.0443	-18.2257	-22.6852	-16.5734	-19.8631	-15.8738	-17.4429	-14.5934
123	-22.6483	-16.9852	-18.2299	-22.6092	-16.7907	-21.8438	-15.5583	-17.1999	-13.5681
124	-23.946	-15.7378	-18.0535	-22.5008	-17.3218	-24.1433	-15.284	-16.709	-12.6165
125	-23.9668	-14.5954	-17.6418	-22.4717	-18.0187	-26.1731	-15.1561	-16.3981	-11.9919
126	-22.9758	-13.7326	-17.0428	-22.5977	-18.6896	-27.0074	-15.2209	-16.5058	-11.7943
127	-21.7552	-13.2108	-16.4235	-22.9027	-19.1401	-26.6665	-15.4869	-17.1116	-12.0628
128	-20.7384	-13.0104	-16.0114	-23.3314	-19.3603	-26.0598	-15.8688	-18.1234	-12.7834
129	-20.0472	-13.074	-15.9691	-23.6908	-19.4583	-25.6758	-16.2105	-19.1606	-13.8448
130	-19.6417	-13.32	-16.4275	-23.6711	-19.5877	-25.4236	-16.2901	-19.5583	-14.9054
131	-19.3706	-13.6784	-17.4768	-23.0978	-19.8348	-24.8544	-15.9681	-19.015	-15.3882
132	-19.0215	-14.1073	-19.1957	-22.1487	-20.2123	-23.6016	-15.3314	-17.9998	-14.9886
133	-18.4596	-14.6045	-21.6928	-21.1548	-20.6539	-21.8538	-14.6004	-17.0317	-14.1054
134	-17.7426	-15.1935	-25.0832	-20.3233	-21.0038	-20.0553	-13.9947	-16.3124	-13.2644
135	-17.0651	-15.8753	-28.8508	-19.6953	-21.0374	-18.4793	-13.6464	-15.882	-12.7156
136	-16.6144	-16.6245	-29.1595	-19.209	-20.6165	-17.215	-13.64	-15.7453	-12.5288
137	-16.5284	-17.3469	-25.8583	-18.7428	-19.855	-16.288	-14.0177	-15.9231	-12.7125
138	-16.8743	-17.9561	-22.8683	-18.1911	-19.0217	-15.6967	-14.8192	-16.4626	-13.2718
139	-17.6627	-18.4198	-20.7657	-17.5415	-18.3397	-15.453	-16.0869	-17.4481	-14.2273
140	-18.7946	-18.7909	-19.4453	-16.9039	-17.914	-15.5915	-17.8885	-18.9847	-15.6244
141	-19.9015	-19.1396	-18.7976	-16.4306	-17.7448	-16.1443	-20.35	-21.2364	-17.5406
142	-20.3815	-19.4747	-18.6989	-16.2734	-17.7513	-17.1583	-23.6891	-24.2396	-20.0547
143	-20.0734	-19.7261	-18.9226	-16.5193	-17.7947	-18.6345	-27.8423	-26.2104	-22.8447
144	-19.5527	-19.8109	-19.052	-17.1426	-17.7388	-20.4851	-29.1505	-23.835	-23.7718
145	-19.4068	-19.7286	-18.6214	-17.9439	-17.5335	-22.3023	-25.7725	-20.4212	-21.5833
146	-19.9435	-19.5711	-17.5994	-18.4302	-17.2184	-23.303	-22.7261	-17.8892	-18.9736
147	-21.3537	-19.4326	-16.4147	-18.2033	-16.9018	-23.2347	-20.7126	-16.2551	-17.0696
148	-23.8721	-19.3401							

158	-23.6912	-17.1185	-15.6827	-20.8037	-19.2177	-13.1629	-20.2581	-12.0978	-16.3187
159	-22.7636	-17.9404	-15.479	-20.6601	-17.8615	-13.6222	-18.9159	-12.5811	-16.7406
160	-21.8401	-19.4973	-16.0073	-21.7029	-17.1074	-14.9067	-17.8472	-13.7415	-17.5215
161	-21.6816	-21.8862	-17.0179	-24.7397	-16.9195	-17.1507	-17.2262	-15.5346	-18.6873
162	-22.6306	-24.589	-18.0737	-29.0348	-17.1671	-20.2115	-16.8771	-17.3995	-20.0825
163	-24.7565	-25.013	-18.7162	-24.0569	-17.655	-22.2996	-16.5478	-17.9639	-21.2418
164	-26.9834	-22.5897	-18.9952	-19.04	-18.1834	-21.4748	-16.1533	-17.1033	-21.6926
165	-26.464	-20.0057	-19.5546	-16.258	-18.6982	-20.3511	-15.8855	-16.2504	-21.6111
166	-24.7572	-17.9915	-21.1024	-15.0003	-19.3299	-20.4523	-16.06	-16.0652	-21.4015
167	-24.3142	-16.513	-24.1836	-14.9507	-20.2332	-21.4807	-16.9722	-16.386	-20.9546
168	-25.4514	-15.5458	-26.0319	-15.8432	-21.3064	-21.2276	-18.8839	-16.4674	-19.9065
169	-26.1406	-15.1354	-21.5607	-17.0043	-21.9922	-18.6217	-21.9945	-15.6869	-18.464
170	-22.9042	-15.3653	-17.5172	-16.9222	-21.8117	-16.1415	-25.2877	-14.5656	-17.2544
171	-19.1808	-16.3092	-15.0894	-15.3887	-21.3088	-14.8485	-24.7627	-13.9517	-16.7204
172	-16.7165	-17.8079	-13.9223	-13.8365	-21.4104	-14.9249	-22.4535	-14.3395	-17.0703
173	-15.4193	-18.8597	-13.864	-12.9206	-22.8463	-16.5972	-21.0751	-16.109	-18.3004
174	-15.0513	-18.0111	-14.9175	-12.6227	-26.7244	-20.0676	-20.44	-19.6927	-19.7622
175	-15.3503	-16.1411	-17.2377	-12.6828	-35.4064	-21.028	-19.8385	-22.4693	-19.5006
176	-15.9209	-14.7196	-20.7304	-12.7665	-27.7459	-16.4839	-18.9114	-18.3571	-17.4592
177	-16.3057	-14.2104	-22.4474	-12.7811	-22.0045	-13.158	-18.0157	-14.7274	-15.6297
178	-16.3573	-14.7276	-20.0423	-12.9599	-19.2326	-11.5058	-17.6676	-12.8035	-14.7702
179	-16.4326	-16.3513	-17.9247	-13.6863	-17.9893	-11.2146	-18.1253	-12.1435	-15.0013
Max Gain	11.375	10.911	10.015	10.737	10.535	10.168	9.825	9.719	9.695
30Dragee Max Gal	2.432	0.541	0.305	1.713	1.129	2.404	1.411	2.663	2.863

Theta	5100.00(MHz)	5200.00(MHz)	5300.00(MHz)	5400.00(MHz)	5500.00(MHz)	5600.00(MHz)	5700.00(MHz)	5800.00(MHz)	5900.00(MHz)
-180	-13.8644	-23.3478	-14.4141	-18.7405	-14.9691	-14.4191	-17.7041	-12.4581	-20.5303
-179	-14.4243	-19.5191	-14.9052	-18.8867	-14.0535	-15.5276	-17.5082	-13.0104	-20.2114
-178	-14.0961	-15.7949	-15.1242	-17.4505	-13.0586	-15.4195	-15.8244	-14.4831	-16.4942
-177	-13.0434	-13.3712	-14.6734	-15.5772	-11.9381	-14.3612	-13.8263	-16.647	-14.0291
-176	-12.0022	-11.962	-13.8188	-14.0105	-10.8474	-13.4574	-12.3431	-18.3654	-13.1023
-175	-11.3915	-11.3399	-13.1177	-12.8865	-9.96575	-13.2017	-11.5067	-17.9719	-13.6245
-174	-11.2923	-11.3631	-12.9082	-12.1184	-9.41497	-13.5613	-11.1881	-16.4959	-15.7738
-173	-11.5866	-11.9088	-13.298	-11.5854	-9.24084	-14.076	-11.084	-15.3888	-19.6315
-172	-11.9975	-12.8554	-14.1966	-11.1799	-9.43649	-13.9435	-10.81	-14.8835	-19.8236
-171	-12.1551	-14.0499	-15.1953	-10.8656	-9.92775	-12.9497	-10.153	-14.6986	-15.0963
-170	-11.895	-15.3434	-15.5746	-10.6831	-10.5732	-11.8068	-9.2597	-14.3622	-11.699
-169	-11.4316	-16.6692	-15.0626	-10.7262	-11.1579	-11.1179	-8.41606	-13.5476	-9.60588
-168	-11.1055	-17.9355	-14.3167	-11.1154	-11.4894	-11.0899	-7.79621	-12.3584	-8.32367
-167	-11.1394	-18.7435	-13.9836	-11.9295	-11.5564	-11.6816	-7.42371	-11.1269	-7.52445
-166	-11.6462	-18.3542	-14.3669	-13.1654	-11.5366	-12.553	-7.23621	-10.069	-6.97885
-165	-12.6674	-16.8676	-15.6338	-14.511	-11.6242	-12.8835	-7.15252	-9.26854	-6.55758
-164	-14.2097	-15.2099	-17.9886	-15.082	-11.9492	-12.0501	-7.12342	-8.74982	-6.22773
-163	-16.1994	-13.9678	-21.7607	-14.2059	-12.5379	-10.6017	-7.15943	-8.52497	-6.00074
-162	-18.3215	-13.2986	-26.8203	-12.6285	-13.3559	-9.3008	-7.30982	-8.6173	-5.87887
-161	-19.8065	-13.2084	-27.8955	-11.2215	-14.3196	-8.44618	-7.62014	-9.06013	-5.83319
-160	-20.0049	-13.6287	-25.3054	-10.2807	-15.3109	-8.06505	-8.09804	-9.86781	-5.81728
-159	-19.4094	-14.3951	-24.1802	-9.85094	-16.2206	-8.11954	-8.69187	-10.9886	-5.80307
-158	-18.8201	-15.1988	-24.5903	-9.9012	-16.9578	-8.5455	-9.29147	-12.1459	-5.80503
-157	-18.5967	-15.6293	-25.8654	-10.3813	-17.438	-9.25893	-9.75099	-12.7162	-5.85739
-156	-18.8415	-15.534	-26.4691	-11.2188	-17.5782	-10.1462	-9.94505	-12.2233	-5.97612
-155	-19.5629	-15.1889	-25.2886	-12.2914	-17.377	-11.0376	-9.86352	-11.0692	-6.13504
-154	-20.6817	-14.9486	-23.5862	-13.3849	-16.9391	-11.73	-9.58567	-9.94708	-6.28558
-153	-21.9011	-14.9949	-22.2917	-14.2108	-16.4706	-12.1112	-9.25207	-9.20718	-6.39592
-152	-22.5864	-15.3385	-21.3728	-14.596	-16.1812	-12.271	-8.98015	-8.96629	-6.49618
-151	-22.2607	-15.838	-20.501	-14.6294	-16.2275	-12.4371	-8.85513	-9.26232	-6.67001
-150	-21.2731	-16.1867	-19.4464	-14.578	-16.7424	-12.8374	-8.93626	-10.0971	-7.01823
-149	-20.181	-16.058	-18.2652	-14.6575	-17.8494	-13.6261	-9.24642	-11.4516	-7.62905
-148	-19.181	-15.4178	-17.1741	-14.9621	-19.5897	-14.9006	-9.80135	-13.2082	-8.55656
-147	-18.2507	-14.5431	-16.3178	-15.495	-21.6492	-16.6585	-10.5934	-15.0306	-9.80157
-146	-17.3645	-13.7318	-15.7687	-16.1729	-22.4985	-18.6975	-11.5977	-16.3281	-11.2399
-145	-16.589	-13.1442	-15.5266	-16.8461	-21.0712	-20.357	-12.7526	-16.7871	-12.4904
-144	-16.0493	-12.8359	-15.5677	-17.3624	-19.0752	-20.8964	-13.9674	-16.7531	-12.9458
-143	-15.8647	-12.8034	-15.8656	-17.6691	-17.6236	-20.6341	-15.1504	-16.5592	-12.4344
-142	-16.1139	-13.0178	-16.3851	-17.8699	-16.8616	-20.4024	-16.2608	-16.1828	-11.5034
-141	-16.8406	-13.445	-17.0776	-18.1419	-16.6859	-20.5532	-17.3497	-15.4764	-10.6827
-140	-18.0062	-14.0603	-17.8524	-18.6066	-16.9419	-20.9624	-18.5506	-14.5214	-10.1903
-139	-19.436	-14.8543	-18.5651	-19.3384	-17.4161	-21.1555	-19.9932	-13.5716	-10.0583
-138	-20.6089	-15.8647	-19.0176	-20.3051	-17.8867	-20.6336	-21.7478	-12.868	-10.2378
-137	-20.7637	-17.142	-19.0538	-21.3325	-18.2306	-19.449	-23.6877	-12.5137	-10.6154
-136	-19.7866	-18.7265	-18.6563	-22.015	-18.5149	-18.0433	-24.9753	-12.5357	-11.0159
-135	-18.3389	-20.5712	-17.9415	-21.8327	-18.8881	-16.7107	-23.9833	-12.8695	-11.2552
-134	-16.9528	-22.3502	-17.0611	-20.695	-19.4199	-15.5244	-21.189	-13.3385	-11.2407
-133	-15.8456	-23.3242	-16.1531	-19.0564	-19.9646	-14.4615	-18.2523	-13.6459	-11.0399
-132	-15.0928	-23.0634	-15.2999	-17.3804	-20.1122	-13.4702	-15.7572	-13.533	-10.7939
-131	-14.7375	-22.1524	-14.5735	-15.9082	-19.4818	-12.5194	-13.7713	-13.0552	-10.6179
-130	-14.7885	-21.2757	-14.0079	-14.7261	-18.2194	-11.5999	-12.2352	-12.5098	-10.5541
-129	-15.2302	-20.7074	-13.616	-13.8677	-16.8035	-10.7456	-11.0892	-12.1477	-10.6013
-128	-16.0116	-20.5051	-13.4026	-13.3256	-15.5718	-10.021	-10.2715	-12.0728	-10.7567
-127	-17.0088	-20.6641	-13.364	-13.0786	-14.6744	-9.49298	-9.73965	-12.2414	-11.0514
-126	-17.9898	-21.1568	-13.4905	-13.0946	-14.1688	-9.23123	-9.45573	-12.5063	-11.5611
-125	-18.6423	-21.9289	-13.77	-13.3235	-14.0655	-9.28843	-9.40691	-12.6915	-12.3972
-124	-18.7631	-22.8546	-14.1822	-13.7075	-14.3778	-9.70296	-9.58568	-12.7157	-13.6672
-123	-18.4398	-23.701	-14.7036	-14.1832	-15.109	-10.4975	-9.99093	-12.6557	-15.4773
-122	-17.9326	-24.1431	-15.3116	-14.6843	-16.2572	-11.6868	-10.6223	-12.6368	-17.8437
-121	-17.4708	-23.9252	-15.9936	-15.1505	-17.8156	-13.2779	-11.4617	-12.7164	-20.2073
-120	-17.1802	-23.0559	-16.7541	-15.502	-19.6849	-15.2909	-12.4474	-12.8013	-20.4054
-119	-17.0873	-21.7663	-17.6124	-15.6801	-21.4485	-17.741	-13.4078	-12.647	-17.8719
-118	-17.1113	-20.3504	-18.5869	-15.6597	-22.0685	-20.4557	-14.0106	-11.9974	-14.8998
-117	-17.0682	-19.0414	-19.6349	-15.4951	-20.9648	-22.3683	-13.9538	-10.8783	-12.3793
-116	-16.7548	-17.987	-20.6351	-15.291	-19.0853	-21.851	-13.336	-9.56031	-10.3813
-115	-16.1158	-17.248	-21.3263	-15.1436	-17.3071	-20.0179	-12.5578	-8.33212	-8.89515
-114	-15.2912	-16.8227	-21.4277	-15.1147	-15.8984	-18.4666	-11.9562	-7.35584	-7.74968
-113	-14.5048	-16.647	-20.888	-15.2081	-14.8859	-17.5818	-11.6923	-6.70438	-6.99106
-112	-13.9093	-16.5774	-19.9564	-15.3827	-14.2381	-17.3297	-11.8048	-6.3919	-6.51942
-111	-13.5742	-16.4382	-18.9428	-15.5791	-13.9112	-17.5656	-12.2489	-6.40262	-6.28511
-110	-13.5236	-16.1213	-18.0583	-15.739	-13.8839	-18.06	-12.9042	-6.7014	-6.25812
-109	-13.7422	-15.6383	-17.4078	-15.8227	-14.1271	-18.5426	-13.5937	-7.23262	-6.4302
-108	-14.1894	-15.1167	-17.0214	-15.8216	-14.6356	-18.8611	-14.131	-7.92807	-6.81346
-107	-14.7921	-14.6872	-16.873	-15.7693	-15.3943	-19.0851	-14.4311	-8.70757	-7.4172
-106	-15.4195	-14.4211	-16.8828	-15.7162	-16.3438	-19.4084	-14.5384	-9.47802	-8.22929
-105	-15.899	-14.3385	-16.9231	-15.7293	-17.3519	-19.8797	-14.5293	-10.1446	-9.20064
-104	-16.1103	-14.3939	-16.8465	-15.8824	-18.1409	-20.3109	-14.4486	-10.6372	-10.2226
-103	-16.0434	-14.4978	-16.5413	-16.2255	-18.3882	-20.3309	-14.3136	-10.9389	-11.1434
-102	-15.8032	-14.5367	-15.9901	-16.7622	-18.0009	-19.744	-14.1406	-11.1029	-11.7533
-101	-15.514	-14.3718	-15.2543	-17.4183	-17.2136	-18.7212	-13.9367	-11.1745	-11.8525
-100	-15.2308	-13.9548	-14.4479	-18.0317	-16.3201	-17.5031	-13.643	-11.1202	-11.3463
-99	-14.9552	-13.3553	-13.6881	-18.4161	-15.4985	-16.182	-13.1466	-10.8396	-10.4021
-98	-14.6724	-12.7318	-13.0669	-18.4985	-14.8009	-14.7663	-12.3389	-10.2737	-9.32598
-97	-14.3922	-12.2341	-12.6612	-18.3808	-14.225	-13.3106	-11.2541	-9.50983	-8.378
-96	-14.1645	-11.9759	-12.4998	-18.2202	-13.7392	-11.9209	-10.0442	-8.72456	-7.69679
-95	-14.0567	-12.0171	-12.5894	-18.114	-13.3224	-10.7074	-8.88943	-8.0755	-7.32572
-94	-14.1331	-12.3623	-12.8996	-18.0893	-12.9746	-9.75825	-7.91589	-7.63784	-7.26222
-93	-14.4245	-12.9769	-13.3911	-18.1492	-12.7168	-9.12203	-7.18715	-7.42023	-7.45532
-92	-14.9186	-13.7853	-14.0256	-18.2918	-12.5648	-8.80903	-6.72929	-7.38943	-7.83452
-91	-15.5478	-14.6876	-14.7593	-18.4624	-12.504	-8.80639	-6.53505	-7.49275	-8.29606
-90	-16.1902	-15.6183	-15.492	-18.461	-12.4809	-9.06171	-6.57739	-7.65706	-8.72357
-89	-16.7471	-16.5672	-15.9337	-17.9586	-12.4029	-9.4803	-6.80558	-7.81178	-8.98572
-88	-17.2393	-17.5695	-15.6157	-16.8065	-12.2084	-9.93101	-7.14334	-7.87464	-8.96628
-87	-17.8559	-18.5076	-14.4107	-15.2545	-11.8911	-10.2517	-7.48959	-7.76183	-8.59315
-86	-18.8479	-18.9821	-12.7742	-13.6584	-11.4796	-10.2968	-7.72077	-7.42895	-7.89195
-85	-20.4567	-18.5815	-11.1776	-12.2158	-10.9615	-9.96379	-7.72781	-6.90703	-6.98302
-84	-22.7753	-17.489	-9.80803	-10.9765	-10.2936	-9.24659	-7.45546	-6.2916	-6.01458
-83	-25.0075	-16.2431	-8.68639	-9.91614	-9.45399	-8.27014	-6.95598	-5.70801	-5.11404
-82	-24.6699	-15.1576	-7.76935	-9.01053	-8.51351	-7.23278	-6.35439	-5.26253	-4.36746
-81	-22.3304	-14.2841	-7.01718	-8.25523	-7.62533	-6.32907	-5.79222	-5.02116	-3.81839
-80	-20.2324	-13.5789	-6.41557	-7.66953	-6.93627	-5.68653	-5.39147	-5.01973	-3.48368
-79	-18.8166	-13.0057	-5.99053	-7.28085	-6.54652	-5.36447	-5.20679	-5.25978	-3.36134
-78	-17.969	-12.5682	-5.77692	-7.10726	-6.49531	-5.37552	-5.25214		

-68	-14.1908	-9.82261	-3.84096	-3.48772	-4.80525	-4.60673	-5.23994	-9.34119	-5.36186
-67	-12.4628	-8.36436	-3.17645	-3.04175	-4.36996	-4.22579	-4.97147	-9.84438	-5.44328
-66	-10.9022	-7.04255	-2.62215	-2.73044	-4.05192	-3.93013	-4.68889	-10.2084	-5.48012
-65	-9.58897	-5.95908	-2.22738	-2.56469	-3.84908	-3.69141	-4.35416	-10.3183	-5.49789
-64	-8.57493	-5.16657	-2.02795	-2.5558	-3.7516	-3.47122	-3.9526	-10.1459	-5.4812
-63	-7.88264	-4.67593	-2.04039	-2.70477	-3.73968	-3.25435	-3.51961	-9.75297	-5.39219
-62	-7.50115	-4.46181	-2.25361	-3.00141	-3.8016	-3.05859	-3.13289	-9.24041	-5.22599
-61	-7.38047	-4.46685	-2.63131	-3.43095	-3.94153	-2.93657	-2.87292	-8.71677	-5.06941
-60	-7.42733	-4.59795	-3.12097	-3.97528	-4.19267	-2.95506	-2.80191	-8.27223	-5.06052
-59	-7.52079	-4.74033	-3.66935	-4.64117	-4.60983	-3.17244	-2.9499	-7.95066	-5.31164
-58	-7.53502	-4.77881	-4.24279	-5.46837	-5.26611	-3.63052	-3.30693	-7.71394	-5.84195
-57	-7.38495	-4.63829	-4.82942	-6.53452	-6.24451	-4.34691	-3.83147	-7.44376	-6.50775
-56	-7.05362	-4.30512	-5.40688	-7.9459	-7.64099	-5.30693	-4.44806	-7.00055	-6.96274
-55	-6.56734	-3.81197	-5.90351	-9.79424	-9.54537	-6.45957	-5.05659	-6.35331	-6.88202
-54	-5.97818	-3.22981	-6.2075	-12.0087	-11.9706	-7.66846	-5.55197	-5.60759	-6.33443
-53	-5.3549	-2.64018	-6.23644	-13.7897	-14.3729	-8.66778	-5.8295	-4.92507	-5.6866
-52	-4.78513	-2.12638	-6.02315	-13.6045	-14.9155	-9.09787	-5.81493	-4.4208	-5.2195
-51	-4.34292	-1.75528	-5.71326	-11.8584	-13.1944	-8.78459	-5.497	-4.12491	-5.02377
-50	-4.08614	-1.57302	-5.45357	-10.0557	-11.1336	-7.95137	-4.94699	-4.00912	-5.07414
-49	-4.04063	-1.59344	-5.33235	-8.68047	-9.50593	-6.93358	-4.29462	-4.01212	-5.28902
-48	-4.19423	-1.80431	-5.36993	-7.72171	-8.32315	-6.02424	-3.66478	-4.07181	-5.58466
-47	-4.49732	-2.16607	-5.5382	-7.06074	-7.45835	-5.24697	-3.13611	-4.15105	-5.89344
-46	-4.86921	-2.61226	-5.7849	-6.57077	-6.76606	-4.62051	-2.73277	-4.22529	-6.1542
-45	-5.20593	-3.06109	-6.04211	-6.14202	-6.1223	-4.10562	-2.43734	-4.26886	-6.29694
-44	-5.40894	-3.4407	-6.23439	-5.69227	-5.44197	-3.65454	-2.20291	-4.23278	-6.25554
-43	-5.40607	-3.70554	-6.28037	-5.18222	-4.69185	-3.22074	-1.96609	-4.05925	-6.0108
-42	-5.17195	-3.85259	-6.11701	-4.61233	-3.88192	-2.76292	-1.66282	-3.7199	-5.59649
-41	-4.72684	-3.92125	-5.75264	-4.02138	-3.0498	-2.24626	-1.24896	-3.23605	-5.07124
-40	-4.11821	-3.97493	-5.26943	-3.46973	-2.23755	-1.6538	-0.714685	-2.6652	-4.46966
-39	-3.4029	-4.07381	-4.79061	-3.01288	-1.48477	-0.998629	-0.0963292	-2.06148	-3.81613
-38	-2.6282	-4.25007	-4.40687	-2.68519	-0.820296	-0.327999	0.542469	-1.46203	-3.12728
-37	-1.82874	-4.45921	-4.15545	-2.48581	-0.257278	0.303447	1.14016	-0.882934	-2.42398
-36	-1.03097	-4.55902	-4.00449	-2.36944	0.206721	0.854661	1.65959	0.317948	-1.71361
-35	-0.262705	-4.35588	-3.86645	-2.2501	0.593794	1.31645	2.09913	0.252993	-0.987794
-34	0.442266	-3.74316	-3.63083	-2.03162	0.925374	1.72605	2.48964	0.848653	-0.241678
-33	1.05132	-2.82275	-3.2268	-1.66427	1.22819	2.11999	2.8715	1.47044	0.510429
-32	1.54194	-1.79917	-2.66652	-1.17387	1.51474	2.52722	3.27319	2.09095	1.22312
-31	1.90586	-0.828715	-2.01323	-0.637667	1.78365	2.95337	3.69756	2.66289	1.84321
-30	2.16235	0.026451	-1.33248	-0.123433	2.20456	3.37081	4.11209	3.14728	2.33582
-29	2.33633	0.77685	-0.649525	0.352694	2.22624	3.74711	4.4973	3.52649	2.70037
-28	2.49295	1.47323	0.0547782	0.833379	2.40969	4.07111	4.84166	3.83639	2.98388
-27	2.69527	2.16805	0.814605	1.39724	2.6267	4.36991	5.18317	4.14245	3.25437
-26	2.98764	2.89679	1.65295	2.11312	2.9489	4.69249	5.57758	4.52333	3.58055
-25	3.39929	3.66078	2.56065	2.98829	3.43451	5.08819	6.06295	5.02015	3.98885
-24	3.89722	4.4389	3.50116	3.96392	4.08973	5.58098	6.63868	5.62202	4.44994
-23	4.44714	5.19396	4.42295	4.95457	4.85635	6.14414	7.26497	6.25516	4.90889
-22	5.00138	5.89786	5.28316	5.88788	5.65064	6.71362	7.86934	6.8503	5.29836
-21	5.52525	6.52914	6.06584	6.71999	6.39835	7.24157	8.39336	7.35444	5.59942
-20	6.00127	7.08866	6.76633	7.43607	7.05796	7.68729	8.80554	7.76271	5.82605
-19	6.44185	7.58033	7.39E+00	8.05073	7.62033	8.04756	9.10191	8.09348	6.02E+00
-18	6.87E+00	8.03E+00	7.96E+00	8.58E+00	8.10E+00	8.35238	9.3089	8.3832	6.25E+00
-17	7.30E+00	8.44E+00	8.49E+00	9.06E+00	8.52E+00	8.64E+00	9.46406	8.66311	6.56E+00
-16	7.76E+00	8.84E+00	8.99E+00	9.50E+00	8.92E+00	8.96E+00	9.61866	8.95531	6.94E+00
-15	8.24074	9.23E+00	9.47E+00	9.92E+00	9.33E+00	9.31E+00	9.79785	9.25432	7.37E+00
-14	8.73654	9.58931	9.91E+00	1.03E+01	9.74E+00	9.69E+00	10.0061	9.53316	7.82E+00
-13	9.21165	9.91174	10.3018	1.07E+01	1.02E+01	1.01E+01	10.2204	9.76452	8.24496
-12	9.64322	10.1794	10.6279	1.10351	10.54	1.04E+01	10.4038	9.92564	8.63014
-11	10.0148	10.3854	10.8699	1.13124	10.8742	1.06E+01	10.523	10.0105	8.96308
-10	10.3165	10.5352	1.10219	1.15276	1.1.1369	10.6395	10.5628	10.0258	9.24937
-9	10.5588	10.6422	1.10851	1.16755	1.1.319	10.6371	10.5301	9.98704	9.48754
-8	10.7515	10.7295	1.10705	1.17588	1.1.4275	10.5759	10.4355	9.90918	9.66395
-7	10.9152	10.8172	10.996	1.17821	1.1.4769	10.5001	10.3068	9.80803	9.76493
-6	11.0588	10.9235	10.8858	1.17501	1.1.4816	10.4458	10.1585	9.6883	9.78088
-5	11.192	11.0481	10.7714	1.16724	1.1.4628	10.4214	10.0038	9.55113	9.71212
-4	11.3125	11.1878	10.6753	1.15586	1.1.4282	10.4161	9.8417	9.40083	9.57593
-3	11.4122	11.3271	10.6208	1.14211	1.1.3768	10.4078	9.6774	9.24457	9.40843
-2	11.4791	11.4533	10.6134	1.12722	1.1.3138	10.3727	9.5253	9.10927	9.25486
-1	11.5081	11.5514	10.6483	1.11318	1.1.228	10.3001	9.3972	9.02112	9.14773
0	11.4887	11.6093	10.7129	1.10099	1.1.1185	10.2019	9.31356	8.99172	9.09171
1	11.4269	11.622	10.7779	1.09129	10.9911	10.0873	9.27628	9.01736	9.05169
2	11.3183	11.5829	10.8221	10.8314	10.8396	9.96778	9.26521	9.06224	8.9837
3	11.169	11.4805	10.8144	10.7416	10.6646	9.83401	9.23678	9.08513	8.84332
4	10.9718	11.3013	10.7214	10.6096	10.4545	9.66308	9.1401	9.04273	8.60942
5	10.7171	11.0297	10.5198	10.3997	10.1884	9.41898	8.93528	8.90633	8.28189
6	10.3804	10.6446	10.1858	10.0776	9.84563	9.07318	8.59393	8.66912	7.89062
7	9.94721	10.1369	9.70311	9.62032	9.40247	8.60E+00	8.11E+00	8.34E+00	7.47338
8	9.39558	9.49924	9.06573	9.01839	8.85715	8.02E+00	7.50E+00	7.94E+00	7.0591
9	8.73086	8.7427	8.28317	8.27847	8.20832	7.36E+00	6.81E+00	7.50E+00	6.65326
10	7.9631	7.89239	7.38212	7.42014	7.47961	6.66E+00	6.10E+00	7.02E+00	6.2369
11	7.14345	7.01486	6.42927	6.49825	6.71819	6.02E+00	5.43E+00	6.54E+00	5.78862
12	6.36078	6.18821	5.51552	5.58646	5.98884	5.46E+00	4.84E+00	6.03E+00	5.28802
13	5.73334	5.51021	4.77019	4.78044	5.35088	5.01E+00	4.35E+00	5.51E+00	4.75E+00
14	5.36252	5.04901	4.28444	4.1731	4.85556	4.65E+00	3.94E+00	4.97E+00	4.21E+00
15	5.27304	4.80614	4.079	3.80E+00	4.50E+00	4.34E+00	3.57E+00	4.42E+00	3.74E+00
16	5.40E+00	4.73237	4.08316	3.65E+00	4.24E+00	4.06E+00	3.24E+00	3.88221	3.39E+00
17	5.63E+00	4.73E+00	4.18E+00	3.65E+00	4.06E+00	3.76806	2.9351	3.36163	3.18595
18	5.85E+00	4.73E+00	4.29E+00	3.73E+00	3.90E+00	3.48399	2.66814	2.88408	3.06665
19	5.99E+00	4.68E+00	4.35E+00	3.81531	3.75072	3.22511	2.45485	2.43469	2.96742
20	6.02E+00	4.57E+00	4.31363	3.86701	3.59638	3.01663	2.28584	1.99858	2.79187
21	5.93241	4.40109	4.19274	3.84828	3.44109	2.8513	2.12151	1.53839	2.49712
22	5.73936	4.16785	3.97944	3.73939	3.26272	2.7155	1.90504	1.01573	2.06643
23	5.46455	3.89439	3.676	3.50366	3.05056	2.5551	1.58114	0.402098	1.51821
24	5.13764	3.59986	3.28233	3.1344	2.76967	2.31688	1.11166	-0.311804	0.893115
25	4.77958	3.29237	2.8143	2.59927	2.39075	1.95665	0.488509	-1.11134	0.235902
26	4.40533	2.98779	2.27316	1.90123	1.87782	1.44273	-0.259751	-1.95486	-0.423844
27	4.03938	2.70817	1.70222	1.03187	1.22213	0.777381	-1.06976	-2.78705	-1.07401
28	3.69497	2.47197	1.14404	0.0376017	0.428603	-0.0149293	-1.85642	-3.54679	-1.69899
29	3.3907	2.29625	0.663718	-1.00872	-0.466208	-0.891578	-2.54931	-4.1909	-2.26652
30	3.15463	2.1842	0.310043	-1.99358	-1.39754	-1.80282	-3.14003	-4.71073	-2.72321
31	2.99641	2.11751	0.086801	-2.80507	-2.28977	-2.71401	-3.68352	-5.13978	-3.03042
32	2.90797	2.06386	-0.0543538	-3.40458	-3.09826	-3.6183	-4.26988	-5.53962	-3.21317
33	2.85895	1.97831	-0.191195	-3.8552	-3.84003	-4.53953	-4.97341	-5.98023	-3.35098
34	2.80235	1.82221	-0.399279	-4.27518	-4.59226	-5.49784	-5.82305	-6.5072	-3.54055
35	2.68678	1.56391	-0.7						

45	-5.46251	-4.77797	-6.98609	-9.52449	-8.50508	-7.91159	-10.2337	-19.654	-11.9274
46	-6.74953	-5.91767	-8.04738	-8.40433	-7.01142	-6.66288	-8.67205	-14.6048	-14.6903
47	-8.09081	-7.26114	-9.3755	-7.15659	-5.66712	-5.29835	-6.96491	-10.6144	-13.2719
48	-9.46363	-8.72016	-10.7826	-5.96353	-4.55566	-4.10406	-5.52132	-8.02361	-9.97556
49	-10.8661	-10.1012	-11.8837	-4.93134	-3.70832	-3.20287	-4.45515	-6.3352	-7.46827
50	-12.3198	-11.1594	-12.2994	-4.1161	-3.12005	-2.61782	-3.75837	-5.26442	-5.80658
51	-13.8289	-11.7212	-12.0575	-3.53088	-2.76859	-2.33269	-3.38819	-4.64808	-4.76013
52	-15.3128	-11.7961	-11.5031	-3.17667	-2.6195	-2.31157	-3.29141	-4.37348	-4.14981
53	-16.6326	-11.5136	-10.9005	-3.04148	-2.63928	-2.50914	-3.41388	-4.36112	-3.84338
54	-17.6975	-10.9891	-10.3122	-3.11685	-2.80692	-2.879	-3.70657	-4.55292	-3.74465
55	-18.3282	-10.273	-9.69817	-3.39296	-3.11594	-3.37058	-4.12323	-4.90531	-3.7924
56	-17.7794	-9.37718	-9.00713	-3.86109	-3.57892	-3.94359	-4.62377	-5.38704	-3.95145
57	-15.6072	-8.31607	-8.2177	-4.50962	-4.21459	-4.55757	-5.15321	-5.95898	-4.2171
58	-12.8311	-7.15802	-7.37135	-5.32623	-5.03185	-5.1681	-5.63823	-6.55762	-4.61105
59	-10.3677	-6.01162	-6.55661	-6.28496	-6.00248	-5.71414	-5.98502	-7.06801	-5.16971
60	-8.47629	-4.99917	-5.86588	-7.34618	-7.02264	-6.11697	-6.12359	-7.35347	-5.93876
61	-7.15218	-4.20991	-5.38643	-8.44208	-7.89186	-6.29901	-6.05767	-7.33962	-6.97298
62	-6.32659	-3.70144	-5.17457	-9.476	-8.3736	-6.24582	-5.87321	-7.08288	-8.32845
63	-5.91368	-3.49504	-5.26449	-10.3244	-8.38465	-6.01838	-5.67769	-6.73699	-10.0686
64	-5.81689	-3.59273	-5.67124	-10.8728	-8.08081	-5.72696	-5.55615	-6.45014	-12.2274
65	-5.93764	-3.97447	-6.39179	-11.0873	-7.69899	-5.47316	-5.54785	-6.30121	-14.6522
66	-6.17852	-4.6007	-7.40427	-11.0287	-7.39293	-5.32402	-5.65122	-6.30259	-16.4501
67	-6.46078	-5.41336	-8.66801	-10.8004	-7.20388	-5.29569	-5.83737	-6.4233	-16.1182
68	-6.7042	-6.32235	-10.1019	-10.4734	-7.08979	-5.36463	-6.04752	-6.59468	-14.2163
69	-6.8455	-7.20015	-11.5635	-10.0548	-6.96301	-5.47246	-6.22347	-6.74639	-12.2136
70	-6.82456	-7.87354	-12.751	-9.51592	-6.73386	-5.54055	-6.29865	-6.83271	-10.5887
71	-6.63246	-8.17998	-13.2323	-8.84617	-6.38182	-5.49167	-6.23691	-6.85042	-9.39329
72	-6.32959	-8.07889	-12.812	-8.08664	-5.95302	-5.28636	-6.03318	-6.82329	-8.60202
73	-6.02877	-7.70148	-11.8274	-7.32162	-5.53663	-4.943	-5.72754	-6.78198	-8.18449
74	-5.83277	-7.26666	-10.7682	-6.64761	-5.21986	-4.52424	-5.38843	-6.75192	-8.12034
75	-5.8127	-6.9636	-9.93085	-6.13275	-5.05735	-4.11934	-5.09176	-6.74637	-8.39156
76	-5.98675	-6.90231	-9.43082	-5.82645	-5.07947	-3.81255	-4.90359	-6.76969	-8.96312
77	-6.33515	-7.13581	-9.28223	-5.75842	-5.29096	-3.67792	-4.86908	-6.8268	-9.77046
78	-6.79789	-7.66975	-9.46908	-5.94025	-5.68209	-3.76571	-5.01441	-6.92173	-10.6943
79	-7.29935	-8.47523	-9.93837	-6.37876	-6.23501	-4.10647	-5.34473	-7.05635	-11.5645
80	-7.75511	-9.48388	-10.6181	-7.07301	-6.93418	-4.71445	-5.84228	-7.23821	-12.2281
81	-8.10495	-10.5872	-11.4068	-8.01085	-7.77802	-5.57761	-6.47112	-7.47202	-12.6634
82	-8.34065	-11.6415	-12.19	-9.16969	-8.78988	-6.66323	-7.17886	-7.75437	-12.9915
83	-8.49526	-12.4918	-12.8541	-10.4976	-10.024	-7.90481	-7.91357	-8.08134	-13.3736
84	-8.62936	-13.0191	-13.2905	-11.9022	-11.5674	-9.2119	-8.62181	-8.44586	-13.9302
85	-8.79071	-13.1739	-13.4334	-13.2329	-13.4972	-10.4465	-9.27068	-8.82516	-14.7011
86	-9.00428	-13.009	-13.282	-14.3126	-15.7852	-11.4081	-9.82223	-9.19029	-15.6463
87	-9.26329	-12.6556	-12.9198	-14.9664	-17.9083	-11.8737	-10.2393	-9.51032	-16.6198
88	-9.52232	-12.2675	-12.4755	-15.1505	-18.516	-11.7598	-10.4784	-9.74555	-17.3407
89	-9.72405	-11.9758	-12.0657	-14.9189	-17.3269	-11.2602	-10.5397	-9.87694	-17.5238
90	-9.81507	-11.8563	-11.7692	-14.396	-15.6343	-10.6812	-10.4565	-9.90465	-17.163
91	-9.78801	-11.9359	-11.6118	-13.6947	-14.1374	-10.2378	-10.303	-9.85857	-16.5384
92	-9.67932	-12.1921	-11.5758	-12.9329	-12.9122	-10.0264	-10.1558	-9.78678	-15.9219
93	-9.57253	-12.5564	-11.6212	-12.1995	-11.9292	-10.058	-10.068	-9.74042	-15.4145
94	-9.55921	-12.9221	-11.7046	-11.5805	-11.1837	-10.2889	-10.0756	-9.76651	-14.9934
95	-9.71037	-13.1829	-11.8081	-11.1407	-10.7083	-10.6705	-10.2221	-9.90843	-14.6038
96	-10.0692	-13.3197	-11.955	-10.9342	-10.5505	-11.149	-10.5423	-10.2008	-14.2388
97	-10.6385	-13.4052	-12.2016	-10.9885	-10.7427	-11.705	-11.0951	-10.6782	-13.9774
98	-11.371	-13.5796	-12.6136	-11.3128	-11.3027	-12.3463	-11.9401	-11.3726	-13.9391
99	-12.1651	-13.981	-13.2237	-11.8843	-12.2146	-13.0963	-13.1193	-12.296	-14.2423
100	-12.9241	-14.7071	-14.0241	-12.6149	-13.4228	-13.971	-14.5884	-13.4183	-14.9555
101	-13.6084	-15.8182	-14.9302	-13.3381	-14.7975	-14.9797	-16.046	-14.6192	-16.0837
102	-14.2769	-17.2979	-15.7518	-13.8004	-16.1036	-16.0745	-16.7532	-15.6136	-17.4903
103	-15.051	-19.037	-16.2312	-13.7987	-17.0004	-17.0264	-16.198	-16.0229	-18.7527
104	-16.0147	-20.6985	-16.1776	-13.3239	-17.2119	-17.3802	-14.9373	-15.6833	-19.1166
105	-17.1653	-21.6893	-15.6249	-12.5683	-16.7634	-16.767	-13.6882	-14.8157	-18.2588
106	-18.3428	-21.6151	-14.7868	-11.7454	-15.9641	-15.4919	-12.7313	-13.7762	-16.7172
107	-19.2347	-20.7585	-13.8937	-11.0051	-15.1459	-14.1522	-12.0879	-12.8242	-15.0961
108	-19.5051	-19.6439	-13.1098	-10.4329	-14.5214	-13.096	-11.707	-12.1231	-13.7074
109	-19.1009	-18.6047	-12.5463	-10.0849	-14.1781	-12.4466	-11.5212	-11.7751	-12.6943
110	-18.3162	-17.8008	-12.262	-9.98537	-14.1318	-12.2149	-11.4727	-11.867	-12.148
111	-17.5078	-17.3051	-12.2874	-10.1508	-14.3407	-12.3481	-11.5169	-12.4687	-12.1337
112	-16.9459	-17.1181	-12.6093	-10.5768	-14.739	-12.742	-11.617	-13.6576	-12.6922
113	-16.7805	-17.1994	-13.1859	-11.2481	-15.2491	-13.2358	-11.7563	-15.4933	-13.8541
114	-17.1107	-17.4613	-13.9244	-12.1328	-15.8384	-13.6623	-11.934	-17.9404	-15.5776
115	-17.9777	-17.7776	-14.6666	-13.1879	-16.5206	-13.951	-12.1917	-20.4242	-17.6067
116	-19.391	-18.0603	-15.2383	-14.3575	-17.3581	-14.1829	-12.5784	-21.3191	-19.3882
117	-21.2724	-18.2853	-15.4996	-15.5625	-18.4142	-14.5076	-13.1324	-20.2788	-20.6299
118	-23.3772	-18.4571	-15.4348	-16.7403	-19.7151	-15.0514	-13.8424	-18.8831	-22.0258
119	-25.2778	-18.5796	-15.1451	-17.8071	-21.1874	-15.8429	-14.6375	-17.8187	-24.5637
120	-26.6304	-18.6143	-14.7539	-18.7096	-22.5174	-16.781	-15.4004	-17.0653	-26.5443
121	-27.3662	-18.5197	-14.3539	-19.4513	-22.9902	-17.6013	-16.0643	-16.437	-22.3651
122	-27.3366	-18.2988	-14.0085	-20.083	-22.0353	-17.9264	-16.683	-15.7676	-17.888
123	-26.4072	-18.0039	-13.732	-20.6229	-20.1242	-17.5712	-17.387	-14.9792	-14.9276
124	-24.9806	-17.6869	-13.5309	-20.9497	-18.0398	-16.743	-18.244	-14.1044	-13.1153
125	-23.5679	-17.3638	-13.3904	-20.7945	-16.1687	-15.8028	-19.1091	-13.2327	-12.1622
126	-22.3411	-17.0903	-13.3274	-20.0174	-14.6175	-15.0204	-19.5964	-12.4743	-11.8691
127	-21.2297	-16.6993	-13.3683	-18.862	-13.3974	-14.5127	-19.3783	-11.8959	-12.0741
128	-20.1394	-16.4366	-13.5783	-17.7224	-12.4799	-14.2801	-18.5429	-11.5163	-12.6225
129	-19.0718	-16.3327	-14.0075	-16.8736	-11.8308	-14.1657	-17.3971	-11.3026	-13.3572
130	-18.1163	-16.4599	-14.6839	-16.4472	-11.403	-13.8741	-16.1293	-11.1854	-14.1688
131	-17.3819	-16.8577	-15.5853	-16.4979	-11.1477	-13.1434	-14.8491	-11.05	-14.9978
132	-16.9285	-17.4849	-16.601	-17.018	-11.0147	-12.0235	-13.6862	-10.8006	-15.7269
133	-16.7938	-18.1738	-17.5016	-17.8477	-10.9712	-10.8046	-12.7497	-10.3903	-16.0135
134	-16.9611	-18.6401	-18.0135	-18.5334	-10.9964	-9.74299	-12.1368	-9.88172	-15.5208
135	-17.3982	-18.6167	-18.0565	-18.3035	-11.0928	-8.96181	-11.8886	-9.40668	-14.4359
136	-17.9769	-18.1217	-17.7896	-17.0196	-11.2941	-8.50032	-12.0267	-9.11809	-13.3069
137	-18.4378	-17.4315	-17.431	-15.3575	-11.634	-8.35152	-12.5355	-9.14974	-12.5043
138	-18.4654	-16.8278	-17.0921	-13.8755	-12.1482	-8.50641	-13.3612	-9.60885	-12.1555
139	-17.9796	-16.4746	-16.7907	-12.7536	-12.8526	-8.95731	-14.3286	-10.5712	-12.2093
140	-17.2606	-16.4702	-16.5084	-12.0053	-13.746	-9.7172	-14.9994	-12.0243	-12.4223
141	-16.6362	-16.8512	-16.2231	-11.6058	-14.7971	-10.7897	-14.7675	-13.612	-12.3684
142	-16.2863	-17.6104	-15.9743	-11.5184	-15.9608	-12.1584	-13.5334	-14.2896	-11.6913
143	-16.2185	-18.661	-15.8389	-11.7217	-17.1474	-13.6772	-11.8631	-13.3741	-10.5319
144	-16.3255	-19.7354	-15.9278	-12.1813	-18.183	-14.919	-10.2689	-11.8374	-9.29779
145	-16.4066	-20.3915	-16.3414	-12.8568	-18.6538	-15.2253	-8.96381	-10.6024	-8.27021
146	-16.2587	-20.384	-17.1753	-13.6627	-18.0816	-14.4632	-8.017	-9.92629	-7.55478
147	-15.8417	-19.9873	-18.4323	-14.4427	-16.6077	-13.2346	-7.44291	-9.81368	-7.15702
148	-15.27	-19.6297	-19.9183	-15.0214	-14.8872	-12.1209	-7.25318	-10.1836	-7.04088
149	-14.7406								

158	-22.0803	-18.2633	-18.8351	-12.9545	-14.276	-9.35726	-10.1024	-5.99511	-6.8946
159	-20.8831	-19.0061	-18.3605	-12.8309	-13.3792	-9.01727	-9.59635	-6.17667	-6.22182
160	-20.6949	-20.3729	-18.2143	-13.3149	-12.7538	-9.41643	-9.33898	-6.66358	-5.88362
161	-20.8375	-22.5593	-18.3263	-14.503	-12.4504	-10.5424	-9.31036	-7.44939	-5.9267
162	-20.2712	-25.4471	-18.4901	-16.542	-12.4266	-12.377	-9.52168	-8.48023	-6.36949
163	-18.8642	-26.2492	-18.5806	-19.6673	-12.6367	-14.8214	-10.0063	-9.64243	-7.21486
164	-17.5182	-22.895	-18.7413	-23.9536	-13.0627	-17.3869	-10.8146	-10.7406	-8.45783
165	-16.8554	-19.3671	-19.3411	-26.5068	-13.7293	-19.101	-11.988	-11.5935	-10.0797
166	-17.1021	-16.7306	-20.8828	-24.2361	-14.6205	-19.6471	-13.5316	-12.1056	-12.0508
167	-18.3552	-14.8486	-24.2093	-22.0838	-15.5323	-19.8675	-15.3356	-12.249	-14.2849
168	-20.6447	-13.5789	-32.012	-21.1381	-16.0258	-20.1977	-17.0215	-12.0011	-16.5796
169	-23.3392	-12.8264	-31.576	-21.0031	-15.7523	-20.3776	-17.9762	-11.4263	-18.6003
170	-24.0504	-12.5294	-23.5234	-21.0194	-15.0145	-20.0983	-18.0749	-10.7734	-20.096
171	-22.4527	-12.6306	-19.8861	-20.4017	-14.396	-19.4609	-17.9084	-10.3539	-21.0506
172	-20.7027	-13.04	-18.0766	-18.9989	-14.268	-18.605	-17.9903	-10.4191	-21.1242
173	-19.0894	-13.6203	-17.2878	-17.3883	-14.7936	-17.4214	-18.3747	-11.1473	-19.7179
174	-17.312	-14.2288	-16.9855	-16.0686	-16.0014	-15.8733	-18.6599	-12.6651	-17.4656
175	-15.4874	-14.7955	-16.6369	-15.2347	-17.6944	-14.2839	-18.3076	-14.9013	-15.4773
176	-13.9768	-15.4775	-15.9367	-14.9386	-19.0034	-13.0398	-17.4221	-16.7441	-14.2576
177	-13.0373	-16.6008	-15.0595	-15.2101	-18.7326	-12.3742	-16.6502	-16.1085	-14.0016
178	-12.7598	-18.6088	-14.3909	-16.0584	-17.3675	-12.4028	-16.4568	-14.2084	-14.8824
179	-13.1101	-21.7857	-14.1661	-17.4042	-16.0156	-13.1415	-16.9491	-12.8606	-17.157
Max Gain	11.508	11.622	11.085	11.782	11.482	10.640	10.563	10.026	9.781
30Dragee Max Gal	3.155	2.064	3.979	3.134	2.391	2.851	2.122	1.538	0.236

Theta	5100.00(MHz)	5200.00(MHz)	5300.00(MHz)	5400.00(MHz)	5500.00(MHz)	5600.00(MHz)	5700.00(MHz)	5800.00(MHz)	5900.00(MHz)
-180	-17.6072	-17.1799	-17.4014	-17.2966	-15.4676	-15.7945	-16.5861	-13.2236	-16.1363
-179	-16.4472	-19.8619	-16.955	-21.449	-16.3165	-16.0472	-19.3069	-13.1753	-19.2655
-178	-14.2662	-20.3542	-16.1183	-20.4312	-17.1615	-16.1776	-20.7912	-13.8983	-22.1835
-177	-12.4044	-17.4988	-15.2569	-15.7112	-18.2625	-15.3426	-17.8919	-15.4138	-18.8904
-176	-11.265	-14.9513	-14.6773	-12.7044	-19.9703	-13.7911	-14.9558	-17.1652	-14.9412
-175	-10.8674	-13.541	-14.5131	-11.1625	-21.9999	-12.363	-13.3338	-17.2505	-12.4469
-174	-11.1544	-13.1742	-14.7565	-10.7472	-21.9288	-11.4883	-12.9018	-15.2702	-11.0724
-173	-12.0119	-13.7332	-15.2286	-11.3206	-19.2086	-11.253	-13.551	-13.1934	-10.5437
-172	-13.1606	-15.1256	-15.5303	-12.8248	-16.5993	-11.5884	-15.2895	-11.7795	-10.6835
-171	-14.0487	-17.0689	-15.3065	-15.0529	-14.8801	-12.2332	-18.1983	-11.0086	-11.2672
-170	-14.1943	-18.6793	-14.6635	-16.9154	-13.9608	-12.6163	-21.7599	-10.7012	-11.9004
-169	-13.8385	-18.7992	-14.0571	-16.708	-13.6614	-12.1676	-22.5779	-10.6368	-12.0629
-168	-13.5915	-17.9648	-13.8518	-15.394	-13.8031	-11.0679	-20.3396	-10.6231	-11.563
-167	-13.8221	-17.2936	-14.2281	-14.5275	-14.1802	-9.93609	-18.3978	-10.5525	-10.7558
-166	-14.6303	-17.1235	-15.2293	-14.4728	-14.5376	-9.15124	-17.0769	-10.4125	-9.99026
-165	-15.8696	-17.3411	-16.6549	-15.0854	-14.6088	-8.83507	-15.8991	-10.2293	-9.33318
-164	-16.9617	-17.6878	-17.7026	-15.9409	-14.2564	-8.98761	-14.5566	-10.0044	-8.68399
-163	-17.0122	-17.9701	-17.2807	-16.384	-13.6502	-9.56573	-13.142	-9.73609	-7.97227
-162	-15.974	-18.245	-15.8132	-16.1267	-13.1257	-10.4916	-11.925	-9.47521	-7.29167
-161	-14.6657	-18.8103	-14.3995	-15.6167	-13.0221	-11.672	-11.122	-9.35026	-6.83817
-160	-13.5999	-20.0139	-13.4763	-15.3376	-13.5909	-12.9726	-10.8496	-9.51158	-6.80047
-159	-12.8912	-22.1338	-13.0574	-15.389	-15.0493	-14.1293	-11.1539	-10.089	-7.3067
-158	-12.4905	-24.647	-13.0318	-15.5478	-17.4319	-14.5805	-12.002	-11.1554	-8.40232
-157	-12.3283	-24.0038	-13.2219	-15.4471	-19.2916	-13.7632	-13.1558	-12.6147	-9.91667
-156	-12.3296	-20.4991	-13.3975	-14.9453	-17.6421	-12.0391	-13.8802	-13.8796	-11.1152
-155	-12.4338	-17.5152	-13.3437	-14.2749	-14.8329	-10.2291	-13.3533	-13.8327	-10.9669
-154	-12.6127	-15.4742	-12.9931	-13.7612	-12.8844	-8.79389	-11.9561	-12.4085	-9.82847
-153	-12.8876	-14.1901	-12.4406	-13.5881	-11.9289	-7.87844	-10.5783	-10.6997	-8.78391
-152	-13.3248	-13.4856	-11.8462	-13.834	-11.8214	-7.50368	-9.62905	-9.31763	-8.3234
-151	-14.0237	-13.2246	-11.3481	-14.475	-12.4038	-7.65532	-9.1764	-8.37696	-8.5365
-150	-15.0933	-13.2934	-11.0418	-15.4439	-13.5786	-8.29052	-9.1905	-7.85498	-9.39272
-149	-16.5804	-13.6107	-10.9862	-16.5279	-14.9183	-9.32911	-9.61241	-7.71159	-10.7702
-148	-18.2976	-14.1311	-11.2093	-17.2689	-15.8463	-10.6376	-10.3692	-7.91587	-12.3424
-147	-19.4566	-14.8857	-11.7041	-17.1496	-15.8968	-12.0232	-11.3721	-8.46643	-13.4607
-146	-19.0992	-15.9508	-12.3832	-16.2333	-15.3325	-13.2957	-12.506	-9.37668	-13.6843
-145	-17.7786	-17.4369	-13.066	-15.1102	-14.7295	-14.3282	-13.6154	-10.6964	-13.42
-144	-16.5655	-19.4194	-13.5207	-14.2256	-14.4448	-14.9287	-14.4999	-12.4883	-13.3543
-143	-15.8634	-21.7872	-13.6195	-13.7585	-14.6622	-14.7308	-14.9598	-14.7792	-13.9155
-142	-15.7387	-23.9179	-13.5067	-13.7268	-15.4727	-13.6102	-14.8753	-17.2231	-15.3727
-141	-16.1477	-24.9028	-13.4538	-14.055	-16.879	-12.0353	-14.2894	-18.389	-17.8344
-140	-16.9819	-25.1086	-13.6696	-14.5622	-18.5367	-10.5354	-13.392	-17.3099	-19.8733
-139	-18.0429	-25.6532	-14.2848	-14.9702	-19.2699	-9.36719	-12.4282	-15.5931	-17.8293
-138	-19.0074	-26.9162	-15.3377	-15.0403	-18.314	-8.6079	-11.5996	-14.3548	-14.4652
-137	-19.471	-27.8198	-16.8135	-14.7679	-16.7923	-8.27336	-11.023	-13.8039	-12.0671
-136	-19.2768	-26.3449	-18.5599	-14.3333	-15.6138	-8.35493	-10.7529	-13.895	-10.6996
-135	-18.6162	-23.7488	-20.1807	-13.9199	-14.9334	-8.83952	-10.7777	-14.4691	-10.2074
-134	-17.7841	-21.6883	-20.9867	-13.64	-14.6223	-9.69977	-11.0381	-15.0865	-10.4477
-133	-16.9937	-20.3846	-20.6311	-13.5176	-14.5429	-10.8698	-11.4384	-15.0042	-11.1802
-132	-16.3632	-19.5997	-19.5511	-13.5535	-14.6254	-12.2331	-11.8911	-13.9536	-11.8764
-131	-15.9549	-18.9529	-18.3019	-13.6931	-14.8952	-13.6989	-12.4014	-12.5496	-11.8165
-130	-15.7742	-18.0802	-17.1436	-13.7956	-15.3051	-15.2968	-13.0887	-11.4034	-10.9945
-129	-15.7542	-16.9029	-16.1793	-13.6624	-15.5623	-17.2891	-14.1476	-10.7756	-10.1381
-128	-15.7708	-15.6484	-15.4357	-13.1858	-15.1778	-19.849	-15.7681	-10.7413	-9.80468
-127	-15.6782	-14.5833	-14.9218	-12.4647	-14.1023	-21.5318	-17.9307	-11.324	-10.2601
-126	-15.4166	-13.842	-14.6441	-11.7622	-12.8711	-19.6286	-19.6913	-12.5006	-11.6992
-125	-15.0541	-13.4599	-14.6169	-11.3069	-11.9636	-16.8023	-19.252	-14.118	-14.4078
-124	-14.7424	-13.4106	-14.8441	-11.2385	-11.5686	-14.9457	-17.5448	-15.647	-18.787
-123	-14.6047	-13.6173	-15.3257	-11.6377	-11.6855	-14.1786	-16.3301	-16.2361	-22.7751
-122	-14.6722	-13.9627	-16.0232	-12.5499	-12.1504	-14.3245	-16.1355	-15.8021	-20.206
-121	-14.9008	-14.2988	-16.8172	-14.0208	-12.6221	-15.0078	-17.1563	-15.1393	-17.6896
-120	-15.1713	-14.4702	-17.4841	-16.0683	-12.6747	-15.2866	-19.7528	-14.7009	-17.0398
-119	-15.3237	-14.3911	-17.7447	-18.5074	-12.1795	-14.2153	-24.3976	-14.4204	-17.9887
-118	-15.2529	-14.0691	-17.4504	-20.295	-11.3994	-12.3527	-25.1807	-13.9907	-20.1026
-117	-14.9675	-13.596	-16.7103	-19.7323	-10.6178	-10.6358	-20.051	-13.2144	-20.9239
-116	-14.549	-13.0846	-15.7559	-17.6593	-9.95176	-9.38818	-16.7568	-12.2401	-18.021
-115	-14.0886	-12.6337	-14.7834	-15.6575	-9.42016	-8.61316	-15.0215	-11.3543	-14.6233
-114	-13.6661	-12.3014	-13.9437	-14.1659	-9.03005	-8.24446	-14.3507	-10.7505	-11.9832
-113	-13.3315	-12.107	-13.3311	-13.2215	-8.83366	-8.22425	-14.4493	-10.496	-10.0113
-112	-13.1316	-12.0387	-13.0146	-12.8006	-8.89094	-8.5194	-15.0468	-10.5725	-8.57848
-111	-13.0966	-12.0503	-13.0208	-12.8867	-9.2552	-9.1128	-15.7906	-10.92	-7.63026
-110	-13.2347	-12.1064	-13.3554	-13.4534	-9.93572	-9.97235	-16.2844	-11.4742	-7.16486
-109	-13.5092	-12.2008	-13.9592	-14.4366	-10.8736	-10.9805	-16.3487	-12.1814	-7.19881
-108	-13.8503	-12.3679	-14.7062	-15.6186	-11.8918	-11.8964	-16.168	-13.0189	-7.74995
-107	-14.1582	-12.6725	-15.4088	-16.5254	-12.7266	-12.4179	-15.9732	-13.9669	-8.8132
-106	-14.3612	-13.1705	-15.8847	-16.5711	-13.135	-12.4313	-15.8503	-14.9763	-10.3292
-105	-14.4258	-13.8927	-16.0751	-15.7793	-13.1213	-12.1014	-15.6962	-15.8914	-12.0709
-104	-14.3258	-14.813	-16.0628	-14.7098	-12.8654	-11.6291	-15.3724	-16.4251	-13.5073
-103	-14.0329	-15.8009	-15.9649	-13.7792	-12.5472	-11.0834	-14.7504	-16.3373	-13.9767
-102	-13.5123	-16.6223	-15.8519	-13.1325	-12.2572	-10.4529	-13.8174	-15.6333	-13.3969
-101	-12.7968	-16.9614	-15.7494	-12.7964	-12.0465	-9.73417	-12.66	-14.5753	-12.2649
-100	-11.9851	-16.6701	-15.6615	-12.7434	-11.9394	-8.97508	-11.4334	-13.4541	-11.0472
-99	-11.2019	-15.9082	-15.5752	-12.9288	-11.9553	-8.24302	-10.2925	-12.4662	-10.004
-98	-10.5532	-14.9873	-15.4338	-13.2715	-12.0996	-7.59808	-9.34549	-11.7311	-9.29394
-97	-10.093	-14.1764	-15.1839	-13.6722	-12.354	-7.08969	-8.6496	-11.3017	-9.00484
-96	-9.85409	-13.6391	-14.8022	-14.0009	-12.6783	-6.74556	-8.21635	-11.1766	-9.17248
-95	-9.85327	-13.4687	-14.3552	-14.1478	-13.0414	-6.59672	-8.03279	-11.3134	-9.78631
-94	-10.0902	-13.6833	-13.9328	-14.0944	-13.4448	-6.65099	-8.07926	-11.6301	-10.7678
-93	-10.5393	-14.2272	-13.588	-13.9075	-13.9133	-6.90718	-8.33244	-12.0201	-11.9547
-92	-11.0815	-14.8727	-13.2814	-13.6828	-14.4601	-7.3462	-8.78124	-12.4125	-13.11
-91	-11.4929	-15.1716	-12.913	-13.4881	-15.0474	-7.91823	-9.40935	-12.7932	-14.0341
-90	-11.4753	-14.7178	-12.3701	-13.3327	-15.5341	-8.54629	-10.1923	-13.1952	-14.6354
-89	-10.9111	-13.5926	-11.6295	-13.1415	-15.6896	-9.12509	-11.0546	-13.6247	-14.8713
-88	-9.98441	-12.1863	-10.7463	-12.8086	-15.371	-9.53946	-11.8694	-13.995	-14.6231
-87	-8.95523	-10.7582	-9.79618	-12.2343	-14.6861	-9.70627	-12.4876	-14.1444	-13.8858
-86	-7.96948	-9.39337	-8.82747	-11.4185	-13.8858	-9.62601	-12.8165	-13.9601	-12.8973
-85	-7.05222	-8.11526	-7.87375	-10.4819	-13.1615	-9.36339	-12.8554	-13.485	-11.9485
-84	-6.19293	-6.95673	-6.98295	-9.58435	-12.5932	-8.99713	-12.6435	-12.846	-11.1936
-83	-5.40175	-5.97319	-6.21757	-8.86947	-12.1765	-8.58839	-12.2289	-12.1236	-10.6619
-82	-4.72166	-5.21763	-5.64346	-8.41486	-11.8742	-8.18094	-11.6445	-11.3273	-10.2984
-81	-4.21853	-4.73384	-5.3156	-8.25488	-11.6411	-7.81112	-10.9282	-10.444	-10.0411
-80	-3.95202	-4.54312	-5.25745	-8.37383	-11.4405	-7.49996	-10.1097	-9.48339	-9.8438
-79	-3.96174	-4.64552	-5.45788	-8.69598	-11.2118	-7.23525	-9.20512	-8.50472	-9.68477
-78	-4.26205	-5.01453	-5.86441	-9.06713	-10.8728	-6.94937	-8.251		

-68	-6.60708	-5.01652	-5.42804	-8.0078	-7.27904	-5.35387	-8.52502	-11.6029	-15.6463
-67	-6.39535	-5.00051	-5.24721	-8.1692	-7.19191	-5.49373	-8.95269	-11.3954	-14.8448
-66	-6.34006	-5.04688	-5.10535	-8.34757	-7.09234	-5.5427	-9.0099	-10.6857	-14.2504
-65	-6.44654	-5.11874	-4.98723	-8.49952	-7.05524	-5.56992	-8.86086	-9.98754	-14.1919
-64	-6.71518	-5.20867	-4.88192	-8.57465	-7.11924	-5.61319	-8.68974	-9.50086	-14.5112
-63	-7.15358	-5.3315	-4.8016	-8.54793	-7.25794	-5.66549	-8.58773	-9.19553	-14.4393
-62	-7.77721	-5.52736	-4.77316	-8.42019	-7.37141	-5.67703	-8.51715	-8.93741	-13.0256
-61	-8.61142	-5.83663	-4.83987	-8.23438	-7.33772	-5.59228	-8.36719	-8.57678	-10.702
-60	-9.66833	-6.28971	-5.03795	-8.02442	-7.08636	-5.37535	-8.02237	-8.04213	-8.46678
-59	-10.9275	-6.89187	-5.38708	-7.81114	-6.65639	-5.02339	-7.45747	-7.37332	-6.74352
-58	-12.2942	-7.6122	-5.88127	-7.59005	-6.15849	-4.56358	-6.76294	-6.67411	-5.59717
-57	-13.5803	-8.37031	-6.48294	-7.34733	-5.69715	-4.05212	-6.07978	-6.05666	-5.01087
-56	-14.554	-9.04404	-7.12465	-7.06458	-5.32224	-3.55735	-5.52972	-5.60735	-4.94169
-55	-15.0986	-9.47273	-7.70477	-6.73101	-5.02469	-3.14129	-5.18945	-5.37795	-5.34759
-54	-15.2952	-9.56241	-8.13873	-6.35241	-4.76986	-2.85488	-5.10122	-5.40407	-6.16971
-53	-15.2459	-9.33883	-8.40274	-5.96437	-4.52327	-2.73358	-5.2873	-5.70676	-7.3164
-52	-14.9168	-8.91629	-8.55406	-5.62574	-4.2908	-2.80104	-5.746	-6.30654	-8.61981
-51	-14.1067	-8.39711	-8.67674	-5.40653	-4.12489	-3.07044	-6.45128	-7.21539	-9.82433
-50	-12.6354	-7.80489	-8.81674	-5.36712	-4.10149	-3.53852	-7.31371	-8.41918	-10.6285
-49	-10.6309	-7.09949	-8.91589	-5.53711	-4.29496	-4.16847	-8.13604	-9.77901	-10.8359
-48	-8.4332	-6.2322	-8.81761	-5.89695	-4.74315	-4.85866	-8.63407	-10.81	-10.3755
-47	-6.34044	-5.21622	-8.35234	-6.35054	-5.41513	-5.43301	-8.63002	-10.7242	-9.29816
-46	-4.50747	-4.14124	-7.51128	-6.70595	-6.1639	-5.70742	-8.23864	-9.45872	-7.8096
-45	-2.98992	-3.11187	-6.44946	-6.7278	-6.69108	-5.64445	-7.74714	-7.82876	-6.22179
-44	-1.78075	-2.20018	-5.33934	-6.29219	-6.67954	-5.38476	-7.35172	-6.40533	-4.7974
-43	-0.843096	-1.42957	-4.27746	-5.479	-6.0878	-5.10897	-7.08874	-5.33891	-3.67239
-42	-0.111515	-0.777793	-3.28459	-4.47539	-5.16668	-4.89738	-6.84194	-4.58166	-2.87851
-41	0.494874	-0.190793	-2.34047	-3.4298	-4.17405	-4.6964	-6.40278	-3.98274	-2.35322
-40	1.06059	0.390156	-1.42673	-2.42456	-3.22879	-4.37878	-5.63348	-3.3509	-1.95209
-39	1.64628	1.0046	-0.544336	-1.50026	-2.36108	-3.85579	-4.59694	-2.55734	-1.49671
-38	2.26563	1.64998	0.282465	-0.681882	-1.57704	-3.17011	-3.4959	-1.62168	-0.878954
-37	2.88972	2.2875	1.02131	0.0136344	-0.887594	-2.45617	-2.51656	-0.681106	-0.149827
-36	3.46608	2.86683	1.64254	0.573057	-0.315818	-1.83464	-1.75379	0.123082	0.534986
-35	3.94623	3.34426	2.12919	0.988847	0.116366	-1.3535	-1.22934	0.705892	1.03353
-34	4.33082	3.68791	2.47854	1.26621	0.403237	-0.979421	-0.906634	1.05118	1.27959
-33	4.52211	3.89828	2.69635	1.42427	0.563592	-0.624924	-0.711896	1.20524	1.29341
-32	4.62602	3.98001	2.79755	1.49657	0.646885	-0.19785	-0.549529	1.26571	1.17706
-31	4.64622	3.95509	2.82624	1.53579	0.728602	0.343291	-0.331193	1.36526	1.10121
-30	4.64036	3.86139	2.81683	1.61182	0.89104	0.963833	-0.0111034	1.61592	1.23087
-29	4.68146	3.75131	2.82587	1.77707	1.181	1.58208	0.401857	2.0476	1.62196
-28	4.83894	3.68324	2.9138	2.06275	1.58526	2.12344	0.866689	2.59389	2.18952
-27	5.16354	3.72	3.12395	2.4608	2.04557	2.55326	1.34361	3.1672	2.79841
-26	5.6369	3.90287	3.48382	2.935	2.49878	2.88158	1.81646	3.68986	3.34887
-25	6.19682	4.23021	3.96994	3.44564	2.90971	3.15807	2.288	4.13122	3.81046
-24	6.76976	4.65293	4.52152	3.94478	3.27906	3.4488	2.77385	4.50637	4.19042
-23	7.27378	5.09081	5.07513	4.40213	3.63797	3.81485	3.28028	4.83474	4.53928
-22	7.65554	5.47059	5.55926	4.79753	3.99538	4.25185	3.79385	5.14982	4.89442
-21	7.88105	5.73627	5.92216	5.10257	4.3626	4.71354	4.2775	5.45177	5.26285
-20	7.9397	5.8617	6.13116	5.29763	4.69761	5.13546	4.7046	5.72866	5.61543
-19	7.83967	5.84522	6.18E+00	5.37911	4.96345	5.45382	5.02655	5.95379	5.90E+00
-18	7.62E+00	5.72E+00	6.07E+00	5.35E+00	5.13E+00	5.64634	5.23E+00	6.11025	6.08E+00
-17	7.33E+00	5.56E+00	5.84E+00	5.25E+00	5.18E+00	5.73E+00	5.31E+00	6.19264	6.14E+00
-16	7.05E+00	5.45E+00	5.58E+00	5.17E+00	5.16E+00	5.75E+00	5.31E+00	6.22237	6.12E+00
-15	6.87607	5.51E+00	5.40E+00	5.21E+00	5.17E+00	5.81E+00	5.28E+00	6.24145	6.10E+00
-14	6.88743	5.79059	5.41E+00	5.47E+00	5.32E+00	5.99E+00	5.31E+00	6.31439	6.15E+00
-13	7.11551	6.30208	5.71144	5.99E+00	5.71E+00	6.32E+00	5.46E+00	6.48436	6.35725
-12	7.53706	6.97356	6.27846	6.70328	6.32413	6.80E+00	5.78E+00	6.77621	6.69812
-11	8.09403	7.72622	7.02747	7.50736	7.08216	7.33E+00	6.25E+00	7.16609	7.13015
-10	8.72049	8.48204	7.84236	8.2917	7.85389	7.86036	6.80E+00	7.60761	7.5931
-9	9.35879	9.20254	8.6376	8.99466	8.54577	8.32983	7.36621	8.03751	8.03772
-8	9.96772	9.86193	9.36244	9.5801	9.1059	8.70829	7.87282	8.4152	8.43258
-7	10.5214	10.4438	9.98441	10.0397	9.51053	8.99416	8.28435	8.71566	8.76864
-6	11	10.9435	10.4938	10.3779	9.77276	9.19624	8.59033	8.92414	9.04653
-5	11.3939	11.3549	10.8851	10.6103	9.91676	9.33198	8.79239	9.05524	9.2652
-4	11.7017	11.6698	11.1601	10.7539	9.98288	9.42021	8.9147	9.12418	9.4325
-3	11.9317	11.8892	11.3237	10.8317	10.0191	9.47917	8.99008	9.15849	9.5496
-2	12.0908	12.0098	11.3875	10.8623	10.0617	9.52612	9.0575	9.18079	9.61305
-1	12.191	12.0435	11.3638	10.8745	10.1327	9.57622	9.14274	9.20694	9.62061
0	12.2461	12.0049	11.2721	10.8892	10.2288	9.65275	9.25691	9.24121	9.58266
1	12.2619	11.9111	11.1418	10.9271	10.3374	9.77065	9.40076	9.29793	9.53119
2	12.2448	11.7876	11.0005	11.0011	10.4433	9.93662	9.57192	9.37862	9.5163
3	12.1871	11.6565	10.8806	11.109	10.5367	10.1417	9.75973	9.4992	9.57737
4	12.0911	11.5256	10.7985	11.2403	10.6177	10.3619	9.95626	9.65594	9.73524
5	11.9515	11.4003	10.7634	11.3718	10.6877	10.5559	10.1477	9.84805	9.9573
6	11.7645	11.2697	10.7607	11.4753	10.7357	10.6944	10.319	10.0461	10.1881
7	11.5335	11.1223	10.7655	11.5198	10.7525	10.7513	10.4457	10.2184	10.357
8	11.2619	10.944	10.7526	11.4823	10.7084	1.07E+01	10.506	10.3267	10.4236
9	10.9543	10.7252	10.6863	11.3518	10.5801	1.06E+01	10.4884	10.3441	10.3684
10	10.6084	10.4643	10.5516	11.121	10.3543	1.04E+01	10.3869	10.2654	10.1946
11	10.2201	10.1619	10.3384	10.8078	10.0249	1.02E+01	10.2227	10.1016	9.92854
12	9.78524	9.82529	10.0462	10.4279	9.61367	9.97E+00	10.0219	9.88876	9.60575
13	9.29091	9.45599	9.67706	10.0084	9.15292	9.73E+00	9.8317	9.66886	9.27E+00
14	8.73508	9.06066	9.24169	9.56983	8.68865	9.48E+00	9.67675	9.47E+00	8.96E+00
15	8.11552	8.62794	8.75106	9.13E+00	8.26E+00	9.22E+00	9.57E+00	9.32E+00	8.66E+00
16	7.44E+00	8.14938	8.21534	8.67E+00	7.86E+00	8.94E+00	9.49E+00	9.18489	8.37E+00
17	6.72E+00	7.62E+00	7.64E+00	8.19E+00	7.47E+00	8.6292	9.39143	9.02913	8.04606
18	5.97E+00	7.01E+00	7.02E+00	7.65E+00	7.02E+00	8.27433	9.23779	8.80101	7.66322
19	5.21E+00	6.34E+00	6.36E+00	7.03863	6.48399	7.87134	8.98821	8.47009	7.21562
20	4.43E+00	5.59E+00	5.65347	6.32803	5.81138	7.42301	8.62594	8.01965	6.71462
21	3.64054	4.76409	4.89724	5.52231	5.01313	6.93229	8.16453	7.46014	6.21317
22	2.81057	3.86788	4.09548	4.64163	4.1403	6.41287	7.62648	6.8303	5.75401
23	1.95825	2.91048	3.27816	3.71978	3.29914	5.88871	7.06693	6.18624	5.37289
24	1.10709	1.91532	2.47605	2.80923	2.6108	5.37931	6.52877	5.58825	5.06561
25	0.317893	0.911034	1.72992	1.95612	2.14609	4.91673	6.04822	5.07468	4.80691
26	-0.337895	-0.0617579	1.07598	1.1858	1.87605	4.50819	5.61654	4.64302	4.56815
27	-0.805725	-0.956349	0.523433	0.495604	1.69156	4.14291	5.20756	4.25718	4.3115
28	-1.10048	-1.73832	0.054228	-0.135728	1.48913	3.78623	4.78162	3.87475	4.02022
29	-1.3029	-2.39695	-0.367996	-0.729164	1.21775	3.40909	4.3104	3.46523	3.68361
30	-1.51129	-2.94869	-0.782517	-1.28911	0.889395	2.99182	3.80069	3.02066	3.28581
31	-1.80331	-3.42172	-1.20741	-1.79941	0.556928	2.53289	3.27019	2.54209	2.79692
32	-2.20538	-3.82731	-1.64589	-2.2407	0.270295	2.06061	2.75714	2.04158	2.1959
33	-2.68999	-4.13446	-2.07806	-2.60206	0.0378913	1.6145	2.28501	1.51448	1.47122
34	-3.18069	-4.28058	-2.48166	-2.89708	-0.190557	1.2093	1.85314	0.94613	0.629517
35	-3.57658	-4.20918	-2.844	-3.15197	-0.491814				

45	-3.98573	-1.4876	-6.26401	-8.35484	-8.11443	-5.77281	-4.07546	-5.13747	-4.32695
46	-3.74662	-1.27199	-6.17299	-8.84701	-9.22311	-6.64214	-4.41898	-4.88719	-4.2509
47	-3.55306	-1.0758	-6.0291	-9.18797	-10.5498	-7.49966	-4.71625	-4.6265	-4.21588
48	-3.45715	-0.958526	-5.91781	-9.38557	-12.0922	-8.30599	-5.01362	-4.42528	-4.26005
49	-3.48533	-0.971644	-5.91824	-9.49161	-13.7186	-9.0097	-5.34552	-4.33264	-4.41035
50	-3.62928	-1.15215	-6.07961	-9.5672	-14.9287	-9.53643	-5.71092	-4.37189	-4.67873
51	-3.8649	-1.50829	-6.42124	-9.64062	-14.9332	-9.77049	-6.05478	-4.54167	-5.06354
52	-4.13877	-2.02086	-6.91486	-9.64897	-13.7124	-9.61047	-6.28211	-4.82291	-5.56055
53	-4.39655	-2.64356	-7.47588	-9.47914	-12.0132	-9.04886	-6.29777	-5.17138	-6.16203
54	-4.59305	-3.30135	-7.97866	-9.05065	-10.3528	-8.17274	-6.06355	-5.51637	-6.85024
55	-4.71148	-3.91086	-8.3066	-8.43095	-8.90224	-7.11492	-5.62619	-5.76414	-7.53662
56	-4.77866	-4.39071	-8.39948	-7.76361	-7.68979	-6.01233	-5.07594	-5.82613	-8.03215
57	-4.83392	-4.6977	-8.28143	-7.17064	-6.71963	-4.98709	-4.51144	-5.66654	-8.13736
58	-4.92446	-4.82946	-8.0016	-6.69356	-5.98112	-4.12905	-4.00286	-5.35308	-7.8649
59	-5.07307	-4.84551	-7.5981	-6.29507	-5.45968	-3.50347	-3.605	-5.01531	-7.45274
60	-5.28614	-4.83686	-7.11129	-5.91283	-5.11894	-3.13783	-3.34785	-4.78533	-7.16582
61	-5.55088	-4.90855	-6.61483	-5.51756	-4.91533	-3.02857	-3.24654	-4.75394	-7.13224
62	-5.84351	-5.1506	-6.20195	-5.1386	-4.80738	-3.14218	-3.30159	-4.95781	-7.33712
63	-6.14294	-5.62098	-5.95527	-4.84716	-4.76068	-3.42156	-3.50367	-5.38569	-7.62479
64	-6.45053	-6.34474	-5.93135	-4.71411	-4.77294	-3.79061	-3.83697	-5.97624	-7.7651
65	-6.7965	-7.30331	-6.14663	-4.77757	-4.85746	-4.18204	-4.28324	-6.62899	-7.58651
66	-7.23633	-8.44924	-6.5879	-5.04416	-5.04098	-4.54607	-4.81882	-7.23304	-7.09984
67	-7.84293	-9.7124	-7.21427	-5.49156	-5.33525	-4.86813	-5.41005	-7.70042	-6.44162
68	-8.68306	-11.0506	-7.97728	-6.08332	-5.74087	-5.15712	-6.01655	-7.99561	-5.73809
69	-9.81853	-12.4524	-8.82941	-6.7892	-6.2451	-5.44194	-6.58466	-8.12562	-5.07379
70	-11.2981	-13.8948	-9.70348	-7.57274	-6.82172	-5.7647	-7.07552	-8.12731	-4.49177
71	-13.1362	-15.2138	-10.4565	-8.35386	-7.41437	-6.1543	-7.46586	-8.05193	-4.02578
72	-15.2487	-16.0296	-10.8221	-8.94955	-7.90833	-6.59065	-7.74607	-7.95906	-3.68965
73	-17.2104	-16.1173	-10.5883	-9.11658	-8.12616	-6.97019	-7.8754	-7.85208	-3.46415
74	-17.9999	-15.7797	-9.86024	-8.7639	-7.92539	-7.10841	-7.783	-7.66463	-3.29884
75	-17.1102	-15.5438	-9.00807	-8.10482	-7.35067	-6.87811	-7.44668	-7.27562	-3.13158
76	-15.5091	-15.7103	-8.34236	-7.46112	-6.63498	-6.36862	-6.93224	-6.63591	-2.91979
77	-14.0293	-16.3966	-8.03204	-7.05876	-6.0209	-5.81461	-6.38815	-5.84381	-2.68064
78	-12.9817	-17.5868	-8.13759	-6.99911	-5.66298	-5.42573	-5.96755	-5.08682	-2.47151
79	-12.4247	-19.1236	-8.6754	-7.31971	-5.63917	-5.31686	-5.76221	-4.52494	-2.37247
80	-12.3625	-20.5727	-9.63509	-8.02028	-5.96489	-5.51663	-5.81352	-4.2487	-2.45055
81	-12.786	-21.2141	-10.993	-9.08242	-6.62289	-5.99509	-6.10666	-4.2892	-2.75113
82	-13.6495	-20.682	-12.7061	-10.4856	-7.55655	-6.6742	-6.58722	-4.62447	-3.29435
83	-14.868	-19.4016	-14.7084	-12.1922	-8.67371	-7.45592	-7.16785	-5.19524	-4.07524
84	-16.2474	-17.9055	-16.8323	-14.1383	-9.83945	-8.22167	-7.72987	-5.89768	-5.05026
85	-17.4889	-16.4771	-18.554	-16.1336	-10.8859	-8.85316	-8.1644	-6.59178	-6.12755
86	-18.3073	-15.2126	-18.8296	-17.6543	-11.6436	-9.24483	-8.38537	-7.1188	-7.14043
87	-18.6606	-14.1496	-17.4616	-18.0073	-12.0107	-9.33634	-8.36761	-7.34758	-7.86268
88	-18.6816	-13.2878	-15.5647	-17.2521	-12.0093	-9.16893	-8.14793	-7.22944	-8.10282
89	-18.4774	-12.6067	-13.8704	-16.1392	-11.7895	-8.88492	-7.81351	-6.83201	-7.84029
90	-18.1052	-12.0903	-12.5761	-15.1596	-11.5548	-8.66096	-7.47238	-6.29694	-7.25167
91	-17.6631	-11.7156	-11.6751	-14.4632	-11.4694	-8.63502	-7.22119	-5.78192	-6.58696
92	-17.2896	-11.4842	-11.1106	-14.0406	-11.6273	-8.87768	-7.12896	-5.40793	-6.04085
93	-17.1282	-11.4021	-10.8191	-13.8467	-12.0542	-9.39388	-7.23856	-5.25114	-5.74657
94	-17.258	-11.477	-10.7395	-13.8309	-12.6959	-10.1293	-7.56386	-5.35059	-5.77039
95	-17.7068	-11.7168	-10.8207	-13.9384	-13.4272	-10.9705	-8.11086	-5.72038	-6.13464
96	-18.4746	-12.1117	-11.0262	-14.1183	-14.0492	-11.7521	-8.87809	-6.35537	-6.81217
97	-19.518	-12.6316	-11.3212	-14.3337	-14.4054	-12.3458	-9.85726	-7.22692	-7.71208
98	-20.753	-13.226	-11.6757	-14.5607	-14.4949	-12.7491	-11.0456	-8.29077	-8.66442
99	-22.0162	-13.828	-12.0585	-14.7985	-14.4863	-13.0912	-12.4436	-9.46665	-9.4523
100	-23.0239	-14.3742	-12.4168	-15.0673	-14.588	-13.548	-14.0349	-10.6299	-9.90282
101	-23.4259	-14.8378	-12.7048	-15.3898	-14.9434	-14.2526	-15.7526	-11.6066	-9.97799
102	-23.0524	-15.2247	-12.869	-15.7512	-15.6316	-15.2543	-17.4063	-12.1951	-9.74821
103	-22.081	-15.5512	-12.8798	-16.074	-16.6191	-16.5032	-18.5744	-12.2786	-9.301
104	-20.8343	-15.8084	-12.7366	-16.2314	-17.7591	-17.7994	-18.7222	-11.8918	-8.75508
105	-19.5562	-15.9681	-12.4887	-16.1109	-18.7086	-18.8388	-17.8202	-11.2115	-8.24539
106	-18.3798	-16.0185	-12.2041	-15.7497	-19.1007	-19.3937	-16.3939	-10.4466	-7.90845
107	-17.3688	-15.9929	-11.9489	-15.2876	-18.9055	-19.4417	-14.9214	-9.75284	-7.84435
108	-16.5433	-15.9474	-11.7877	-14.9106	-18.4565	-19.0732	-13.657	-9.22111	-8.0968
109	-15.9125	-15.9089	-11.7676	-14.7562	-18.0999	-18.4527	-12.7138	-8.88866	-8.65491
110	-15.4831	-15.8725	-11.9119	-14.9186	-18.054	-17.8766	-12.1579	-8.75019	-9.42669
111	-15.2567	-15.809	-12.2199	-15.4704	-18.4446	-17.6778	-12.0121	-8.78006	-10.2342
112	-15.251	-15.7117	-12.6397	-16.429	-19.3158	-18.1768	-12.2832	-8.92625	-10.8423
113	-15.4879	-15.6267	-13.0669	-17.7553	-20.4649	-19.6399	-12.949	-9.13235	-11.1012
114	-15.9644	-15.6251	-13.3638	-19.1753	-21.0795	-22.1828	-13.9296	-9.35025	-11.0908
115	-16.649	-15.7536	-13.4251	-20.0644	-20.2573	-24.3537	-15.0657	-9.55555	-11.0048
116	-17.4302	-16.0392	-13.2674	-19.8773	-18.5933	-22.5891	-16.1332	-9.77158	-11.0307
117	-18.1104	-16.4428	-13.0119	-18.9601	-17.1074	-19.6069	-16.9234	-10.0441	-11.2813
118	-18.4938	-16.9009	-12.7911	-17.9664	-16.1627	-17.5407	-17.3142	-10.4282	-11.8081
119	-18.4998	-17.3191	-12.6894	-17.181	-15.7307	-16.2827	-17.1341	-10.9691	-12.5927
120	-18.2463	-17.5726	-12.7344	-16.61	-15.63	-15.404	-16.218	-11.6752	-13.4726
121	-17.8624	-17.5282	-12.9208	-16.1594	-15.6105	-14.5139	-14.7608	-12.481	-14.0406
122	-17.4323	-17.1167	-13.2154	-15.7539	-15.5057	-13.5023	-13.2382	-13.2321	-13.8676
123	-16.9782	-16.4085	-13.5884	-15.3737	-15.3678	-12.5348	-12.002	-13.7218	-13.0604
124	-16.5344	-15.5844	-14.022	-15.0746	-15.3951	-11.8558	-11.2238	-13.8313	-12.1159
125	-16.1654	-14.8193	-14.4844	-14.9269	-15.745	-11.6046	-10.9538	-13.6684	-11.425
126	-15.9283	-14.2196	-14.9425	-14.9783	-16.4054	-11.8266	-11.1995	-13.4739	-11.1194
127	-15.8598	-13.8309	-15.367	-15.2444	-17.1354	-12.4767	-11.942	-13.4548	-11.21
128	-15.9377	-13.6479	-15.7636	-15.724	-17.5432	-13.4427	-13.1312	-13.7044	-11.6343
129	-16.1204	-13.6515	-16.1736	-16.3848	-17.4731	-14.5368	-14.6698	-14.1965	-12.2911
130	-16.3484	-13.8029	-16.6781	-17.2128	-17.2455	-15.5766	-16.3114	-14.7943	-13.0679
131	-16.5843	-14.0764	-17.3664	-18.1992	-17.2408	-16.4663	-17.6156	-15.2778	-13.8665
132	-16.8131	-14.4294	-18.2955	-19.3623	-17.6484	-17.2395	-18.0552	-15.5114	-14.6325
133	-17.0353	-14.7965	-19.4924	-20.722	-18.4774	-17.9034	-17.5397	-15.6183	-15.3162
134	-17.2596	-15.0815	-20.9313	-22.221	-19.6365	-18.3937	-16.5327	-15.8843	-15.8179
135	-17.4867	-15.1682	-22.4637	-23.547	-21.0053	-18.7142	-15.5201	-16.5424	-15.9608
136	-17.7383	-14.9645	-23.6186	-24.0268	-22.3609	-19.0809	-14.7713	-17.6327	-15.6072
137	-18.0698	-14.5046	-23.5958	-23.3226	-23.0372	-19.8586	-14.4001	-18.7514	-14.849
138	-18.5501	-13.9145	-22.2773	-22.0165	-22.163	-21.4471	-14.4611	-18.9183	-13.9368
139	-19.1996	-13.3566	-20.4949	-20.7631	-20.2714	-24.2314	-14.9585	-17.8243	-13.1217
140	-19.9124	-12.9498	-18.8908	-19.8132	-18.507	-27.3723	-15.8817	-16.4294	-12.5631
141	-20.4043	-12.7717	-17.6799	-19.1781	-17.3512	-25.4121	-17.1311	-15.4713	-12.3135
142	-20.3722	-12.8531	-16.8827	-18.7734	-16.8738	-21.2646	-18.3351	-15.1724	-12.3304
143	-19.8605	-13.167	-16.4454	-18.4898	-16.982	-18.2352	-18.6689	-15.5558	-12.4464
144	-19.232	-13.635	-16.2849	-18.2584	-17.4951	-16.1679	-17.626	-16.5454	-12.3609
145	-18.8108	-14.1356	-16.2954	-18.0983	-18.1761	-14.7265	-15.8856	-17.6941	-11.8042
146	-18.7376	-14.533	-16.3592	-18.0819	-18.8456	-13.6655	-14.2153	-17.7165	-10.7873
147	-18.9953	-14.7946	-16.3791	-18.2827	-19.4545	-12.8117	-12.8777	-15.8639	-9.55528
148	-19.4339	-15.0264	-16.2882	-18.7105	-19.8431	-12.0546	-11.8774	-13.3717	-8.33614
149	-19.7945								

158	-21.9601	-12.6707	-19.125	-13.0279	-16.8438	-12.8048	-11.1178	-15.8829	-8.09075
159	-22.7366	-12.7063	-17.2754	-13.1012	-16.5229	-11.9205	-12.5698	-16.0301	-9.17823
160	-23.5156	-13.4618	-16.2529	-13.3126	-16.4782	-10.7262	-13.6234	-15.1097	-9.57924
161	-23.6704	-14.9032	-16.0941	-13.5466	-16.7369	-9.74021	-13.2364	-14.242	-9.18022
162	-22.5544	-16.78	-16.8277	-13.7531	-16.8813	-9.18663	-11.6903	-13.8228	-8.48033
163	-20.6014	-18.301	-18.5724	-14.0218	-16.4341	-9.13494	-10.1275	-13.8571	-7.98302
164	-18.6006	-18.6401	-21.6469	-14.5611	-15.5694	-9.61406	-9.09404	-14.2063	-7.92129
165	-16.8639	-18.3931	-26.3998	-15.5372	-14.8377	-10.6565	-8.71892	-14.6746	-8.34476
166	-15.4344	-18.5873	-27.8184	-16.8963	-14.5665	-12.3212	-8.99333	-15.0997	-9.18465
167	-14.2852	-19.5702	-23.1319	-17.8515	-14.7747	-14.7261	-9.8154	-15.4355	-10.2276
168	-13.4057	-20.7841	-19.6582	-17.1755	-15.2556	-17.9628	-10.8954	-15.8106	-11.1248
169	-12.8245	-20.4853	-17.4431	-15.3873	-15.6365	-21.4351	-11.6715	-16.4016	-11.6539
170	-12.5803	-18.586	-16.0244	-13.7999	-15.6667	-22.2803	-11.7641	-17.2949	-12.027
171	-12.6908	-16.7935	-15.1641	-12.8828	-15.4477	-20.6688	-11.5431	-18.3226	-12.7396
172	-13.1171	-15.7574	-14.7334	-12.6734	-15.2119	-19.6018	-11.6495	-18.9903	-14.299
173	-13.7135	-15.406	-14.6517	-13.0203	-15.005	-19.86	-12.478	-18.8857	-17.3249
174	-14.232	-15.4061	-14.8477	-13.5885	-14.7279	-21.6431	-14.1558	-18.2606	-22.8895
175	-14.4985	-15.308	-15.2433	-13.8663	-14.3253	-24.6173	-16.2876	-17.5688	-25.0371
176	-14.6201	-14.8974	-15.7523	-13.6383	-13.9452	-24.3226	-17.2282	-16.8849	-19.0821
177	-14.9313	-14.4654	-16.3217	-13.3165	-13.8041	-20.4648	-16.244	-16.0239	-15.8268
178	-15.7151	-14.4753	-16.8822	-13.4958	-14.0375	-17.6442	-15.1998	-14.939	-14.4996
179	-16.9173	-15.2991	-17.3185	-14.6546	-14.6406	-16.1925	-15.2092	-13.8938	-14.6123
Max Gain	12.262	12.044	11.388	11.520	10.753	10.751	10.506	10.344	10.424
30Dragee Max Gal	4.646	3.980	2.696	3.945	3.279	3.449	3.280	5.150	4.539

Theta	5100.00(MHz)	5200.00(MHz)	5300.00(MHz)	5400.00(MHz)	5500.00(MHz)	5600.00(MHz)	5700.00(MHz)	5800.00(MHz)	5900.00(MHz)
-180	-28.263	-14.3938	-19.1207	-13.076	-21.5044	-13.9582	-15.9432	-16.0272	-11.6371
-179	-22.2702	-18.8215	-17.9448	-16.337	-24.3848	-15.7118	-18.1872	-16.9645	-13.4266
-178	-17.4824	-26.2639	-16.5349	-19.9243	-23.5529	-16.3544	-19.5994	-17.4076	-15.2266
-177	-14.5271	-20.883	-15.2175	-18.0141	-19.8473	-14.9364	-18.1097	-16.8147	-15.1888
-176	-12.882	-16.0945	-14.2702	-14.5682	-17.0854	-13.1921	-15.9906	-15.8638	-13.6537
-175	-12.2912	-13.9934	-13.8776	-12.6491	-15.4928	-12.2393	-14.7893	-15.3477	-12.4178
-174	-12.6595	-13.5325	-14.1544	-12.1373	-14.8401	-12.3131	-14.6781	-15.6044	-12.0809
-173	-13.9667	-14.3821	-15.1636	-12.9163	-14.9506	-13.532	-15.5992	-16.7411	-12.6612
-172	-16.1055	-16.4075	-16.8269	-15.0838	-15.6455	-16.0862	-17.3174	-18.6051	-13.8848
-171	-18.2758	-18.9165	-18.5355	-18.5873	-16.6081	-19.6289	-18.7776	-19.9789	-14.8441
-170	-18.5922	-19.3442	-18.9009	-19.9794	-17.3128	-19.8373	-18.3036	-18.895	-14.375
-169	-17.3874	-17.5648	-17.9143	-16.8058	-17.3593	-16.6043	-16.7416	-16.6331	-13.0146
-168	-16.5616	-16.1886	-17.0713	-14.1822	-16.9641	-14.3377	-15.6532	-14.8702	-11.9464
-167	-16.7806	-15.9738	-17.1986	-12.9798	-16.6122	-13.4362	-15.4662	-13.9408	-11.6395
-166	-18.1715	-17.0514	-18.6748	-13.0184	-16.5133	-13.7619	-16.1652	-13.8454	-12.2197
-165	-20.5304	-19.6773	-21.8867	-14.2447	-16.5188	-15.3552	-17.3485	-14.6044	-13.793
-164	-21.8689	-24.4973	-24.6113	-16.7721	-16.2593	-18.5137	-17.7785	-16.3338	-16.4979
-163	-19.9779	-28.3331	-20.5886	-20.4712	-15.4743	-23.2163	-16.4532	-19.3276	-20.1105
-162	-17.5818	-23.2466	-16.5478	-22.131	-14.356	-22.9862	-14.4823	-23.8828	-21.4859
-161	-16.1538	-19.4899	-14.1018	-19.5295	-13.2898	-18.8035	-12.9318	-26.1042	-19.052
-160	-15.7537	-17.3281	-12.8468	-17.2677	-12.5375	-16.2207	-12.0634	-22.2765	-16.8287
-159	-16.3264	-16.057	-12.5298	-16.2432	-12.1978	-15.0118	-11.891	-19.3184	-15.6608
-158	-17.9017	-15.3404	-13.0602	-16.2212	-12.3038	-14.7953	-12.4045	-17.7838	-15.3858
-157	-20.5678	-15.0611	-14.4433	-16.8997	-12.873	-15.3743	-13.6392	-17.2508	-15.8845
-156	-24.0325	-15.2272	-16.7415	-17.8851	-13.925	-16.6434	-15.6896	-17.4514	-17.1866
-155	-25.0893	-15.9105	-19.7845	-18.5796	-15.5164	-18.501	-18.7174	-18.1135	-19.5267
-154	-22.3732	-17.186	-21.7	-18.5511	-17.7663	-20.6236	-22.4456	-18.8564	-23.3049
-153	-19.7839	-19.0997	-20.2063	-18.006	-20.892	-22.0438	-23.7982	-19.1558	-26.1663
-152	-18.1049	-21.4923	-17.9143	-17.4019	-25.2209	-21.6622	-21.4102	-18.778	-22.053
-151	-17.1805	-23.6753	-16.322	-16.9894	-29.661	-20.1124	-19.134	-18.0466	-17.9853
-150	-16.8692	-24.6469	-15.459	-16.8492	-27.885	-18.4932	-17.8018	-17.4132	-15.4402
-149	-17.1245	-24.6806	-15.1543	-16.9675	-24.0817	-17.1926	-17.2717	-17.1144	-14.0258
-148	-17.9184	-24.5707	-15.2609	-17.2931	-21.2058	-16.2481	-17.4027	-17.1971	-13.5182
-147	-19.2112	-24.069	-15.6256	-17.7227	-18.9655	-15.6011	-18.1036	-17.5908	-13.837
-146	-20.7609	-22.5494	-16.1146	-18.0246	-17.1464	-15.1844	-19.2995	-18.067	-15.0034
-145	-21.8875	-20.4243	-16.5952	-17.9505	-15.7079	-14.9012	-20.7784	-18.2487	-17.1299
-144	-21.843	-18.501	-16.9643	-17.4597	-14.68	-14.6702	-21.8626	-17.8509	-20.3257
-143	-20.9386	-17.1446	-17.1831	-16.7857	-14.0756	-14.4327	-21.5793	-16.979	-23.5962
-142	-19.9777	-16.4372	-17.2519	-16.2156	-13.8984	-14.1594	-20.0606	-15.9757	-22.8046
-141	-19.3306	-16.4003	-17.1954	-15.9305	-14.1329	-13.8508	-18.2652	-15.0978	-19.8329
-140	-19.0493	-17.0755	-17.0213	-15.9938	-14.7232	-13.5344	-16.6901	-14.4498	-17.609
-139	-19.095	-18.5627	-16.7497	-16.4067	-15.5788	-13.2203	-15.4384	-14.0317	-16.2448
-138	-19.442	-21.0931	-16.3957	-17.133	-16.5445	-12.9323	-14.4893	-13.7937	-15.525
-137	-20.0909	-25.1032	-16.0163	-18.1194	-17.4495	-12.7048	-13.8239	-13.6586	-15.2813
-136	-21.0266	-30.4744	-15.6764	-19.3177	-18.1797	-12.5856	-13.4296	-13.5509	-15.4123
-135	-22.0978	-30.2351	-15.4541	-20.6814	-18.7584	-12.6357	-13.3193	-13.4586	-15.8493
-134	-22.9011	-26.9724	-15.4012	-22.0616	-19.2908	-12.919	-13.5097	-13.4235	-16.5542
-133	-23.0185	-25.6408	-15.528	-22.9412	-19.8754	-13.4781	-14.0097	-13.5149	-17.4391
-132	-22.6013	-25.9187	-15.7784	-22.5232	-20.5288	-14.321	-14.7562	-13.7557	-18.183
-131	-22.184	-26.7493	-16.0119	-20.9101	-21.1381	-15.3612	-15.5541	-14.0552	-18.0358
-130	-22.0912	-25.6316	-16.0401	-19.0155	-21.4296	-16.3501	-16.025	-14.1716	-16.5779
-129	-22.2817	-22.5875	-15.757	-17.3988	-21.1211	-16.8832	-15.8268	-13.8745	-14.5357
-128	-22.3674	-19.8167	-15.2421	-16.2191	-20.2634	-16.7497	-15.0688	-13.2073	-12.6719
-127	-21.8659	-17.8926	-14.7198	-15.495	-19.2351	-16.195	-14.1617	-12.4592	-11.289
-126	-20.7706	-16.7511	-14.3764	-15.2031	-18.3939	-15.6342	-13.4134	-11.9174	-10.4515
-125	-19.5207	-16.2574	-14.3226	-15.3125	-17.9268	-15.321	-12.9583	-11.7312	-10.1487
-124	-18.4576	-16.2622	-14.576	-15.7786	-17.8844	-15.3587	-12.8028	-11.9691	-10.3411
-123	-17.6975	-16.5993	-15.0666	-16.5301	-18.2172	-15.7704	-12.9096	-12.619	-10.963
-122	-17.2413	-17.0275	-15.6137	-17.4592	-18.7127	-16.5383	-13.1911	-13.6188	-11.9096
-121	-17.0646	-17.2739	-15.9669	-18.3745	-18.9916	-17.6167	-13.5411	-14.7871	-12.9752
-120	-17.1545	-17.1433	-15.9621	-19.0646	-18.7095	-18.8789	-13.8247	-15.7442	-13.8505
-119	-17.4793	-16.6398	-15.6755	-19.3712	-17.9253	-20.0768	-13.944	-15.9999	-14.2123
-118	-17.9909	-15.9223	-15.3475	-19.2843	-16.999	-20.8386	-13.8549	-15.4372	-13.9864
-117	-18.5305	-15.1658	-15.1568	-18.8909	-16.2133	-20.9401	-13.6085	-14.4692	-13.4168
-116	-18.8671	-14.4951	-15.1833	-18.3063	-15.6701	-20.5373	-13.2967	-13.5308	-12.8261
-115	-18.8093	-13.9881	-15.4048	-17.6139	-15.3511	-19.9162	-13.008	-12.8236	-12.4251
-114	-18.4119	-13.6835	-15.7302	-16.9046	-15.1528	-19.216	-12.7951	-12.3826	-12.2702
-113	-17.915	-13.5987	-16.0585	-16.2621	-14.9343	-18.4409	-12.6605	-12.1243	-12.5588
-112	-17.5308	-13.7273	-16.3125	-15.7433	-14.5665	-17.5912	-12.5946	-11.9107	-12.1635
-111	-17.3678	-14.0429	-16.4905	-15.3685	-14.0246	-16.7418	-12.5842	-11.6348	-11.7611
-110	-17.4653	-14.5211	-16.648	-15.1574	-13.4061	-16.0196	-12.6278	-11.2987	-11.0802
-109	-17.7994	-15.1342	-16.8476	-15.0937	-12.8529	-15.5511	-12.7588	-11.013	-10.3829
-108	-18.279	-15.8385	-17.1501	-15.1842	-12.4908	-15.4146	-13.0192	-10.9163	-9.91603
-107	-18.6716	-16.6152	-17.5994	-15.4185	-12.3991	-15.6656	-13.4422	-11.0977	-9.8181
-106	-18.6125	-17.4256	-18.2233	-15.8077	-12.6024	-16.3042	-14.0308	-11.5758	-10.1201
-105	-17.9222	-18.2512	-19.0055	-16.3259	-13.0788	-17.3215	-14.757	-12.2809	-10.7554
-104	-16.8608	-19.1057	-19.8518	-16.9254	-13.7564	-18.6409	-15.5247	-13.0405	-11.5709
-103	-15.8385	-20.0409	-20.556	-17.4984	-14.4935	-20.1117	-16.2043	-13.6316	-12.3171
-102	-15.1313	-21.0974	-20.9075	-17.922	-15.098	-21.4863	-16.6711	-13.8614	-12.7267
-101	-14.8308	-22.1765	-20.9163	-18.0995	-15.3767	-22.4508	-16.8616	-13.7051	-12.6622
-100	-14.9384	-22.8496	-20.832	-18.0394	-15.2686	-22.7548	-16.7896	-13.261	-12.1828
-99	-15.3775	-22.4849	-20.8935	-17.8006	-14.851	-22.3607	-16.5379	-12.6683	-11.4854
-98	-15.9879	-21.1139	-21.1258	-17.4169	-14.2813	-21.4772	-16.1999	-12.0748	-10.7946
-97	-16.5261	-19.4051	-21.2525	-16.9326	-13.7243	-20.4282	-15.8737	-11.6175	-10.2972
-96	-16.755	-17.836	-20.8268	-16.3818	-13.2901	-19.4813	-15.6539	-11.4149	-10.1387
-95	-16.6129	-16.5704	-19.741	-15.8571	-13.063	-18.7953	-15.6068	-11.5438	-10.4107
-94	-16.2434	-15.641	-18.3821	-15.466	-13.0819	-18.4197	-15.7663	-12.057	-11.1832
-93	-15.8456	-15.034	-17.1441	-15.2907	-13.3487	-18.3661	-16.1073	-12.9695	-12.5008
-92	-15.5574	-14.7195	-16.2116	-15.3767	-13.8211	-18.5725	-16.5517	-14.2554	-14.3868
-91	-15.4313	-14.6738	-15.6069	-15.7126	-14.4272	-18.9477	-16.9444	-15.792	-16.8133
-90	-15.4708	-14.851	-15.2993	-16.214	-15.0523	-19.3346	-17.1186	-17.2404	-19.4771
-89	-15.6365	-15.2129	-15.2405	-16.7195	-15.6035	-19.5303	-16.9623	-18.0185	-21.2424
-88	-15.8571	-15.7166	-15.3732	-17.0238	-15.999	-19.3538	-16.5147	-17.7638	-20.7522
-87	-16.0996	-16.3493	-15.6373	-17.0071	-16.2056	-18.7464	-15.8702	-16.7928	-18.8445
-86	-16.383	-17.1052	-15.9638	-16.7019	-16.2006	-17.8004	-15.1246	-15.6044	-16.8079
-85	-16.8042	-17.9323	-16.2794	-16.2503	-15.9864	-16.6817	-14.3418	-14.4529	-15.0571
-84	-17.4973	-18.6568	-16.5443	-15.7658	-15.6092	-15.5433	-13.5648	-13.4131	-13.6402
-83	-18.5718	-18.9817	-16.7918	-15.3224	-15.1714	-14.4994	-12.8475	-12.504	-12.5282
-82	-20.039	-18.7459	-17.1344	-14.9267	-14.774	-13.6229	-12.244	-11.7305	-11.6506
-81	-21.606	-18.1328	-17.705	-14.5587	-14.4883	-12.9498	-11.8027	-11.0891	-10.9183
-80	-22.375	-17.4452	-18.5673	-14.1927	-14.3303	-12.497	-11.5625	-10.5691	-10.2623
-79	-21.5402	-16.8283	-19.555	-13.8058	-14.2928	-12.2715	-11.5334	-10.1453	-9.63062
-78	-19.7209	-16.2381	-20.0516	-13.4138	-14.3485	-12.2563	-11.7093	-9.8	

-68	-8.30186	-9.90763	-9.28541	-10.0855	-13.0781	-13.4167	-17.3203	-8.98678	-8.07865
-67	-7.85925	-9.72713	-9.17675	-9.48743	-12.7331	-13.0802	-16.0448	-8.46895	-7.95576
-66	-7.56536	-9.72632	-9.24918	-9.0587	-12.4919	-12.6226	-14.4725	-7.92642	-7.72662
-65	-7.40054	-9.90632	-9.42069	-8.76821	-12.2807	-12.0317	-12.829	-7.34265	-7.38231
-64	-7.33618	-10.2616	-9.61519	-8.55488	-12.0028	-11.3154	-11.2298	-6.72614	-6.95339
-63	-7.34467	-10.7722	-9.77693	-8.35707	-11.6145	-10.5258	-9.75004	-6.13193	-6.52632
-62	-7.4082	-11.4259	-8.99306	-8.12199	-11.1353	-9.72162	-8.44335	-5.62398	-6.2019
-61	-7.4985	-12.2105	-9.96666	-7.81882	-10.6283	-8.94697	-7.34096	-5.24891	-6.05663
-60	-7.57452	-13.0942	-9.97999	-7.45172	-10.1543	-8.22471	-6.45273	-5.015	-6.10887
-59	-7.57973	-13.9332	-9.87011	-7.05116	-9.71571	-7.55328	-5.76724	-4.89916	-6.32724
-58	-7.47035	-14.454	-9.55121	-6.65392	-9.25696	-6.91798	-5.25468	-4.85245	-6.62755
-57	-7.25091	-14.3463	-8.98836	-6.28573	-8.67732	-6.30458	-4.88372	-4.82116	-6.89783
-56	-6.97186	-13.5729	-8.20618	-5.94664	-7.89875	-5.70601	-4.62368	-4.76266	-7.04054
-55	-6.70909	-12.41	-7.29355	-5.60659	-6.92445	-5.12882	-4.45008	-4.65645	-7.0175
-54	-6.51113	-11.1538	-6.34804	-5.22496	-5.85158	-4.58942	-4.3479	-4.50351	-6.87012
-53	-6.40767	-9.9698	-5.4629	-4.79101	-4.81053	-4.11788	-4.31633	-4.33385	-6.67899
-52	-6.40403	-8.93802	-4.71499	-4.33386	-3.90961	-3.74926	-4.35877	-4.19325	-6.53227
-51	-6.50486	-8.07756	-4.16418	-3.9207	-3.22362	-3.5183	-4.48696	-4.13248	-6.47183
-50	-6.69441	-7.37885	-3.84478	-3.62292	-2.7907	-3.45235	-4.71936	-4.19753	-6.46742
-49	-6.92559	-6.79541	-3.76281	-3.49434	-2.61954	-3.57043	-5.07669	-4.40372	-6.38136
-48	-7.07999	-6.26714	-3.88959	-3.55586	-2.69486	-3.86807	-5.5637	-4.71912	-6.00773
-47	-6.98841	-5.72983	-4.15139	-3.78889	-2.96686	-4.30608	-6.14121	-5.04732	-5.22775
-46	-6.53396	-5.14967	-4.44421	-4.13259	-3.34063	-4.79299	-6.6892	-5.23123	-4.141
-45	-5.75364	-4.53524	-4.66535	-4.46701	-3.67575	-5.17793	-6.99031	-5.11007	-2.96651
-44	-4.789	-3.90453	-4.75559	-4.60494	-3.80595	-5.28695	-6.83561	-4.63502	-1.87266
-43	-3.76738	-3.27305	-4.71229	-4.33982	-3.61203	-5.00294	-6.19862	-3.89548	-0.929262
-42	-2.7483	-2.63294	-4.5485	-3.58915	-3.06901	-4.34046	-5.25279	-3.03755	-0.12919
-41	-1.74683	-1.96509	-4.24752	-2.46874	-2.24835	-3.42077	-4.20432	-2.16923	0.567763
-40	-0.77896	-1.26485	-3.77263	-1.20485	-1.26549	-2.38267	-3.18286	-1.35269	1.20506
-39	0.125872	-0.55658	-3.12068	0.0119848	-0.238231	-1.34388	-2.24463	-0.611687	1.80602
-38	0.927265	0.113512	-2.35712	1.06667	0.731577	-0.386135	-1.42158	0.0379259	2.35761
-37	1.59322	0.698742	-1.58271	1.91025	1.56789	0.431519	-0.734708	0.580395	2.84347
-36	2.1087	1.16567	-0.881766	2.52924	2.22328	1.07556	-0.202154	0.995615	3.22287
-35	2.48208	1.50429	-0.297769	2.93554	2.6772	1.52874	0.165725	1.27172	3.49283
-34	2.74192	1.73085	0.171669	3.15792	2.92597	1.79057	0.376737	1.40053	3.63338
-33	2.93276	1.88667	0.560856	3.23425	3.00197	1.87759	0.464535	1.40185	3.67539
-32	3.10398	2.02927	0.922562	3.20052	2.95027	1.82776	0.492437	1.30523	3.64681
-31	3.30982	2.22619	1.31285	3.12337	2.83075	1.70326	0.548946	1.18066	3.59307
-30	3.57432	2.52605	1.77085	3.05353	2.74616	1.59679	0.730974	1.1254	3.57112
-29	3.90507	2.94421	2.31594	3.04792	2.77852	1.62213	1.10551	1.24001	3.62072
-28	4.28979	3.4506	2.91478	3.1469	2.98893	1.87358	1.67259	1.59801	3.76717
-27	4.69535	3.99623	3.53399	3.36808	3.38757	2.36617	2.37321	2.17073	4.00823
-26	5.10086	4.51871	4.12537	3.69039	3.91068	3.03306	3.1208	2.86743	4.31869
-25	5.48925	4.98938	4.64541	4.09018	4.49112	3.77094	3.82391	3.57051	4.6765
-24	5.8559	5.38674	5.07416	4.52944	5.04903	4.47671	4.41975	4.16887	5.03528
-23	6.20294	5.72152	5.4096	4.97486	5.54397	5.08482	4.86743	4.59599	5.36532
-22	6.53947	6.00047	5.65854	5.40622	5.94692	5.55673	5.14746	4.82295	5.64103
-21	6.85325	6.24171	5.83202	5.81254	6.25551	5.8869	5.26862	4.85963	5.86068
-20	7.12697	6.45529	5.95131	6.18212	6.47644	6.08792	5.25914	4.75601	6.03684
-19	7.33923	6.63508	6.03E+00	6.50102	6.62683	6.18759	5.15972	4.61509	6.18E+00
-18	7.47E+00	6.78E+00	6.08E+00	6.76E+00	6.72E+00	6.21591	5.05E+00	4.55725	6.35E+00
-17	7.51E+00	6.88E+00	6.11E+00	6.98E+00	6.79E+00	6.22E+00	5.01E+00	4.69537	6.54E+00
-16	7.49E+00	6.96E+00	6.16E+00	7.15E+00	6.83E+00	6.25E+00	5.10E+00	5.06317	6.80E+00
-15	7.44197	7.04E+00	6.24E+00	7.30E+00	6.91E+00	6.35E+00	5.37E+00	5.59896	7.10E+00
-14	7.44655	7.19172	6.39E+00	7.48E+00	7.02E+00	6.54E+00	5.80E+00	6.21619	7.44E+00
-13	7.56916	7.45222	6.65901	7.71E+00	7.23E+00	6.85E+00	6.34E+00	6.83622	7.7855
-12	7.85598	7.85146	7.0545	8.02924	7.54752	7.27E+00	6.95E+00	7.41513	8.11683
-11	8.28198	8.36478	7.56673	8.44266	7.97471	7.77E+00	7.56E+00	7.93885	8.41631
-10	8.79116	8.93741	8.1501	8.92494	8.48784	8.33178	8.15E+00	8.41544	8.66726
-9	9.304	9.50345	8.75189	9.44275	9.05257	8.91063	8.69599	8.84274	8.866
-8	9.76251	10.0102	9.31935	9.94925	9.60963	9.47399	9.17757	9.21822	9.01729
-7	10.1333	10.4204	9.8187	10.4082	10.1143	9.98454	9.57215	9.54052	9.13203
-6	10.4136	10.734	10.225	10.7865	10.5313	10.4179	9.87566	9.78859	9.21842
-5	10.6157	10.9533	10.5335	11.0661	10.8399	10.7535	10.0714	9.95062	9.28437
-4	10.7724	11.1032	10.7554	11.2379	11.0305	10.9731	10.1665	10.0207	9.33466
-3	10.9039	11.2012	10.9032	11.3053	11.1111	11.0774	10.1721	9.99427	9.37326
-2	11.0278	11.2658	10.9926	11.2763	11.094	11.0698	10.1101	9.88984	9.39341
-1	11.1432	11.2982	11.0369	11.1674	11.0039	10.9651	10.0153	9.74506	9.40197
0	11.2355	11.2883	11.0416	10.9974	10.8573	10.7905	9.928	9.60426	9.40191
1	11.2865	11.2223	11.0115	10.7901	10.6736	10.5732	9.87561	9.50557	9.4026
2	11.2783	11.0893	10.9446	10.5674	10.467	10.3494	9.87128	9.47809	9.40827
3	11.2116	10.8898	10.8426	10.3488	10.2459	10.1486	9.90424	9.51469	9.42456
4	11.0922	10.6426	10.7123	10.1519	10.0223	9.9864	9.95105	9.58743	9.45007
5	10.9372	10.3699	10.5587	9.98781	9.80007	9.8639	9.98908	9.66373	9.46591
6	10.7627	10.1044	10.3991	9.85711	9.59167	9.7628	9.99631	9.71491	9.46305
7	10.5725	9.86651	10.2325	9.75135	9.40627	9.67E+00	9.96E+00	9.72457	9.42053
8	10.3665	9.65574	10.0604	9.65743	9.23634	9.55E+00	9.89E+00	9.68691	9.32592
9	10.1272	9.45332	9.87129	9.55428	9.07098	9.39E+00	9.79E+00	9.60653	9.16368
10	9.83307	9.2268	9.65062	9.42462	8.8904	9.17E+00	9.65E+00	9.48642	8.93276
11	9.47341	8.94779	9.38701	9.25115	8.67288	8.89E+00	9.48E+00	9.3249	8.63379
12	9.04196	8.60225	9.07129	9.02221	8.40076	8.56E+00	9.28E+00	9.11558	8.27458
13	8.55554	8.18958	8.70917	8.73495	8.05755	8.17E+00	9.03E+00	8.85E+00	7.88E+00
14	8.04292	7.73942	8.3165	8.39932	7.64568	7.74E+00	8.73E+00	8.53E+00	7.47E+00
15	7.53781	7.27143	7.90701	8.03E+00	7.17E+00	7.26E+00	8.38E+00	8.15E+00	7.07E+00
16	7.07E+00	6.82874	7.50931	7.63E+00	6.63E+00	6.75E+00	7.97E+00	7.71385	6.70E+00
17	6.65E+00	6.42E+00	7.12E+00	7.22E+00	6.04E+00	6.2007	7.51703	7.24924	6.38432
18	6.26E+00	6.02E+00	6.75E+00	6.80E+00	5.40E+00	5.59291	7.03493	6.78254	6.10575
19	5.86E+00	5.59E+00	6.36E+00	6.33619	4.68292	4.91897	6.54733	6.34986	5.8624
20	5.39E+00	5.09E+00	5.91698	5.81553	3.8816	4.18096	6.07491	5.96798	5.62089
21	4.83399	4.45657	5.39864	5.20672	2.98634	3.39911	5.63889	5.64959	5.3626
22	4.17041	3.67692	4.78589	4.49346	2.00786	2.6423	5.26864	5.3851	5.07406
23	3.4126	2.74419	4.09022	3.6652	0.997905	2.01296	4.97791	5.16179	4.7369
24	2.59422	1.69557	3.33389	2.74617	0.0631069	1.62724	4.77607	4.96478	4.36376
25	1.76417	0.577698	2.57154	1.77608	-0.658189	1.52647	4.65675	4.77232	3.95707
26	0.970401	-0.513246	1.85594	0.824743	-1.07767	1.64905	4.59077	4.57294	3.52645
27	0.244212	-1.48757	1.2329	-0.0248651	-1.22334	1.87405	4.53332	4.3578	3.07356
28	0.0410469	-2.27168	0.718728	-0.705877	-1.2145	2.08043	4.44999	4.10417	2.59712
29	-1.00369	-2.8205	0.296549	-1.20225	-1.17926	2.18788	4.30414	3.80335	2.08638
30	-1.54963	-3.17569	-0.0758894	-1.56606	-1.20834	2.15517	4.07227	3.44608	1.52519
31	-2.05249	-3.36392	-0.451446	-1.88874	-1.35174	1.97016	3.74841	3.01893	0.885401
32	-2.49811	-3.47877	-0.882817	-2.27015	-1.63478	1.63896	3.34325	2.50998	0.150979
33	-2.86305	-3.61182	-1.41632	-2.7874	-2.06814	1.18035	2.87545	1.91413	-0.699416
34	-3.12847	-3.8374	-2.08759	-3.48782	-2.65082	0.623818	2.37329	1.23742	-1.66877
35	-3.30048	-4.2045	-2.91858						

45	-6.82086	-8.97741	-9.90703	-7.21042	-8.53115	-4.58997	-3.86363	-3.06744	-3.87705
46	-7.17543	-9.12456	-9.60332	-6.12818	-8.24979	-4.84036	-4.15837	-2.94883	-3.8553
47	-7.50761	-9.43133	-9.2899	-5.21701	-7.91212	-5.16522	-4.44828	-2.94227	-3.84582
48	-7.8911	-9.89183	-8.99114	-4.50519	-7.6164	-5.59161	-4.80641	-3.04447	-3.81138
49	-8.42238	-10.4497	-8.69627	-3.99885	-7.44509	-6.12628	-5.26455	-3.23818	-3.72696
50	-9.21	-11.0176	-8.38168	-3.69493	-7.45708	-6.73846	-5.78708	-3.48847	-3.59379
51	-10.3359	-11.4877	-8.04465	-3.57966	-7.67435	-7.33868	-6.2606	-3.73618	-3.42311
52	-11.7966	-11.7737	-7.69437	-3.63181	-8.06159	-7.77787	-6.51932	-3.90381	-3.22452
53	-13.4008	-11.8434	-7.35745	-3.81736	-8.50593	-7.89515	-6.44079	-3.91741	-3.00933
54	-14.6342	-11.7559	-7.06309	-4.09043	-8.81369	-7.62594	-6.05897	-3.74499	-2.77899
55	-14.9708	-11.6071	-6.83027	-4.4074	-8.80583	-7.07866	-5.52947	-3.40891	-2.54073
56	-14.6088	-11.499	-6.67102	-4.72851	-8.47923	-6.43971	-5.00871	-2.97993	-2.30694
57	-14.1526	-11.4818	-6.5831	-5.04542	-8.01639	-5.86983	-4.58611	-2.53983	-2.10188
58	-13.941	-11.5514	-6.56013	-5.37542	-7.62824	-5.45397	-4.28093	-2.1502	-1.95361
59	-14.0231	-11.6532	-6.58748	-5.75014	-7.43662	-5.22005	-4.07462	-1.85429	-1.89563
60	-14.2736	-11.7075	-6.64292	-6.2092	-7.46074	-5.15458	-3.93035	-1.67368	-1.95663
61	-14.4252	-11.646	-6.71206	-6.77082	-7.63196	-5.20847	-3.81656	-1.60909	-2.16437
62	-14.1654	-11.4611	-6.79569	-7.43333	-7.80862	-5.31875	-3.72206	-1.64584	-2.53341
63	-13.3614	-11.1953	-6.90092	-8.16754	-7.83099	-5.41578	-3.65602	-1.75837	-3.07002
64	-12.2146	-10.9162	-7.05574	-8.93389	-7.62939	-5.45389	-3.63774	-1.92469	-3.75702
65	-11.0558	-10.6926	-7.29412	-9.68589	-7.25837	-5.42067	-3.69196	-2.13289	-4.55689
66	-10.1347	-10.5844	-7.64097	-10.3849	-6.83907	-5.33816	-3.84475	-2.38958	-5.40108
67	-9.57237	-10.6374	-8.11746	-11	-6.46979	-5.24928	-4.10679	-2.71399	-6.21031
68	-9.41593	-10.8668	-8.72624	-11.4847	-6.20339	-5.19569	-4.48203	-3.12724	-6.89953
69	-9.67236	-11.2473	-9.44355	-11.7765	-6.04433	-5.20348	-4.95756	-3.63543	-7.42427
70	-10.3091	-11.6893	-10.1898	-11.7751	-5.97064	-5.27891	-5.50017	-4.22685	-7.77535
71	-11.25	-12.0756	-10.7926	-11.4028	-5.93461	-5.40939	-6.0476	-4.86274	-7.98
72	-12.3181	-12.3064	-11.0098	-10.6375	-5.86332	-5.55665	-6.5314	-5.48479	-8.07788
73	-13.185	-12.4076	-10.6867	-9.55741	-5.67377	-5.66592	-6.8719	-6.02284	-8.11643
74	-13.3935	-12.5035	-9.94758	-8.30289	-5.30104	-5.68439	-7.02704	-6.41152	-8.14126
75	-12.7602	-12.7368	-9.07931	-7.03604	-4.75897	-5.58488	-7.00195	-6.62013	-8.19096
76	-11.5977	-13.1891	-8.32812	-5.89244	-4.13745	-5.39099	-6.86236	-6.67401	-8.28778
77	-10.3815	-13.8353	-7.83404	-4.96718	-3.5606	-5.16714	-6.69767	-6.65709	-8.44528
78	-9.40174	-14.5516	-7.6572	-4.3167	-3.13495	-5.00101	-6.60039	-6.68619	-8.67182
79	-8.79308	-15.1615	-7.81968	-3.97026	-2.92828	-4.97116	-6.65482	-6.86974	-8.97917
80	-8.60713	-15.5716	-8.31133	-3.93596	-2.97191	-5.13476	-6.91548	-7.27993	-9.38227
81	-8.84969	-15.8642	-9.10815	-4.20114	-3.26668	-5.52043	-7.41789	-7.95134	-9.89274
82	-9.49305	-16.2129	-10.1428	-4.73589	-3.79481	-6.13447	-8.17236	-8.87078	-10.5126
83	-10.4834	-16.7149	-11.3046	-5.48239	-4.5095	-6.94926	-9.15601	-9.95096	-11.2011
84	-11.7265	-17.303	-12.3812	-6.34863	-5.3398	-7.9004	-10.3017	-11.021	-11.8839
85	-13.0988	-17.6871	-13.0661	-7.20657	-6.19017	-8.87703	-11.4841	-11.8117	-12.4386
86	-14.5067	-17.5339	-13.0957	-7.89811	-6.94577	-9.72663	-12.5216	-12.0778	-12.736
87	-15.9101	-16.8249	-12.446	-8.26074	-7.48541	-10.2866	-13.2129	-11.7613	-12.6921
88	-17.2161	-15.8744	-11.3657	-8.19402	-7.72715	-10.4659	-13.4473	-11.0424	-12.3248
89	-18.0885	-14.9634	-10.16	-7.7242	-7.67221	-10.2887	-13.2627	-10.1699	-11.7308
90	-18.045	-14.2173	-9.02998	-7.01307	-7.40452	-9.8909	-12.8359	-9.34899	-11.0589
91	-17.1644	-13.6384	-8.0789	-6.27145	-7.06141	-9.44257	-12.3653	-8.69695	-10.4412
92	-16.0643	-13.1699	-7.35004	-5.66284	-6.76615	-9.08551	-12.0305	-8.28539	-9.97965
93	-15.1817	-12.7426	-6.84855	-5.28633	-6.61572	-8.91385	-11.9492	-8.13501	-9.73579
94	-14.67	-12.3169	-6.56806	-5.18851	-6.6642	-8.97932	-12.1976	-8.24405	-9.72994
95	-14.5315	-11.8915	-6.48486	-5.37431	-6.93886	-9.29468	-12.7912	-8.58193	-9.95745
96	-14.7178	-11.5056	-6.57613	-5.82183	-7.44301	-9.83862	-13.6998	-9.10035	-10.38
97	-15.1626	-11.2211	-6.80734	-6.4844	-8.16223	-10.552	-14.8036	-9.72244	-10.9355
98	-15.7742	-11.0925	-7.14509	-7.28508	-9.06006	-11.3523	-15.8981	-10.3709	-11.5386
99	-16.4169	-11.1672	-7.54471	-8.12729	-10.084	-12.1461	-16.732	-10.9733	-12.1021
100	-16.9181	-11.4601	-7.94754	-8.89652	-11.1518	-12.8426	-17.1856	-11.4852	-12.5607
101	-17.113	-11.9694	-8.2893	-9.49577	-12.1659	-13.3777	-17.2961	-11.8998	-12.8616
102	-16.9693	-12.6341	-8.50881	-9.86458	-12.9972	-13.723	-17.1077	-12.1994	-12.94
103	-16.614	-13.3444	-8.57239	-9.99812	-13.5325	-13.8725	-16.5874	-12.3431	-12.708
104	-16.2146	-13.907	-8.48106	-9.94299	-13.6911	-13.8548	-15.7511	-12.2587	-12.1154
105	-15.8568	-14.0913	-8.28015	-9.77162	-13.488	-13.7293	-14.7686	-11.9218	-11.2181
106	-15.5849	-13.7887	-8.03119	-9.56426	-13.0422	-13.5701	-13.8527	-11.3921	-10.1853
107	-15.378	-13.0739	-7.80381	-9.38282	-12.5239	-13.4215	-13.1562	-10.805	-9.20665
108	-15.2154	-12.1701	-7.65095	-9.27719	-12.0743	-13.3149	-12.7478	-10.3067	-8.42135
109	-15.0968	-11.2846	-7.60637	-9.28742	-11.8039	-13.2484	-12.6307	-10.0072	-7.91169
110	-15.0133	-10.5615	-7.69153	-9.45199	-11.7566	-13.224	-12.7776	-9.98214	-7.71649
111	-14.9788	-10.0846	-7.90151	-9.79662	-11.9336	-13.2613	-13.1246	-10.2608	-7.85184
112	-15.0002	-9.89604	-8.23016	-10.3385	-12.2827	-13.3813	-13.5627	-10.8293	-8.2976
113	-15.0823	-10.0088	-8.66001	-11.0724	-12.6996	-13.6197	-13.9546	-11.6065	-9.01673
114	-15.2164	-10.4026	-9.19242	-11.9635	-13.0433	-14.0058	-14.1783	-12.4093	-9.90912
115	-15.3777	-11.0191	-9.83307	-12.9222	-13.2257	-14.5435	-14.1903	-13.0004	-10.8248
116	-15.5227	-11.746	-10.6001	-13.8193	-13.2402	-15.2119	-14.0762	-13.2399	-11.563
117	-15.6096	-12.425	-11.5022	-14.5039	-13.1736	-15.9755	-13.996	-13.2246	-11.9806
118	-15.6149	-12.9133	-12.5206	-14.8921	-13.1199	-16.7571	-14.0955	-13.1732	-12.0829
119	-15.5615	-13.1613	-13.5369	-15.0025	-13.1385	-17.4577	-14.487	-13.238	-12.0299
120	-15.4798	-13.2259	-14.3279	-14.909	-13.2355	-17.9547	-15.2257	-13.4658	-12.0028
121	-15.3917	-13.2087	-14.6544	-14.711	-13.391	-18.1348	-16.3111	-13.8261	-12.1546
122	-15.2899	-13.1849	-14.4894	-14.4685	-13.5507	-17.9506	-17.6537	-14.2971	-12.5976
123	-15.1393	-13.1892	-14.0742	-14.2298	-13.6501	-17.4599	-18.9904	-14.9113	-13.394
124	-14.9085	-13.2231	-13.6934	-14.0087	-13.6311	-16.81	-19.8884	-15.7468	-14.5502
125	-14.6033	-13.2654	-13.5405	-13.8058	-13.4747	-16.1528	-20.0827	-16.8416	-15.9248
126	-14.2458	-13.2726	-13.7003	-13.6019	-13.2322	-15.6216	-19.801	-18.0523	-17.0195
127	-13.8764	-13.2043	-14.182	-13.4066	-13.0191	-15.2925	-19.452	-18.9581	-17.1504
128	-13.5347	-13.0557	-14.9065	-13.2353	-12.9371	-15.2142	-19.2689	-19.1809	-16.3171
129	-13.2772	-12.8788	-15.6777	-13.1412	-13.0671	-15.4041	-19.2912	-18.9644	-15.196
130	-13.1525	-12.7662	-16.1935	-13.1557	-13.4387	-15.8473	-19.4301	-18.8905	-14.2252
131	-13.2165	-12.8097	-16.2633	-13.2899	-14.0245	-16.492	-19.5254	-19.3303	-13.5187
132	-13.4886	-13.0836	-16.0153	-13.5174	-14.7558	-17.2339	-19.4193	-20.3374	-13.0377
133	-13.9622	-13.6176	-15.7254	-13.7681	-15.5231	-17.9395	-19.0517	-21.5865	-12.6989
134	-14.5409	-14.3967	-15.5725	-13.9485	-16.2177	-18.4439	-18.4753	-22.2622	-12.454
135	-15.0405	-15.3561	-15.5208	-13.9918	-16.747	-18.6694	-17.7887	-21.8419	-12.2911
136	-15.2609	-16.3936	-15.3713	-13.893	-17.0375	-18.6595	-17.0811	-20.914	-12.2224
137	-15.1325	-17.3978	-14.8994	-13.7135	-17.0511	-18.5221	-16.428	-20.137	-12.2785
138	-14.829	-18.2808	-14.11	-13.5436	-16.8319	-18.361	-15.9342	-19.6773	-12.4805
139	-14.5803	-19.0733	-13.2334	-13.4676	-16.51	-18.216	-15.6961	-19.4575	-12.8568
140	-14.5726	-19.8717	-12.5316	-13.535	-16.233	-18.0501	-15.8208	-19.372	-13.4362
141	-14.8875	-20.7595	-12.179	-13.753	-16.0974	-17.8032	-16.4112	-19.3654	-14.2677
142	-15.5101	-21.674	-12.2693	-14.1028	-16.1059	-17.4909	-17.5531	-19.3936	-15.3911
143	-16.2778	-22.2933	-12.8501	-14.5378	-16.2323	-17.1945	-19.2894	-19.347	-16.7897
144	-16.8506	-22.1985	-13.8817	-15.025	-16.4289	-17.063	-21.4172	-19.0753	-18.28
145	-16.8419	-21.4204	-15.0915	-15.5645	-16.6852	-17.2126	-22.8821	-18.5545	-19.397
146	-16.2328	-20.4228	-15.6687	-16.2197	-16.9571	-17.6996	-22.3195	-17.9677	-19.7169
147	-15.4137	-19.5512	-14.8666	-17.0764	-17.0878	-18.4273	-20.6501	-17.5567	-19.4838
148	-14.7341	-18.8565	-13.2395	-18.1628					

158	-12.6835	-14.7875	-12.4751	-12.3874	-23.6607	-17.0973	-11.3837	-22.1601	-11.6741
159	-12.1263	-15.1285	-11.5575	-13.2918	-21.0026	-17.6137	-11.1809	-23.0424	-11.3087
160	-11.9998	-15.1817	-10.9755	-14.2586	-20.0257	-19.0807	-11.6282	-24.1294	-11.7619
161	-12.2348	-14.6507	-10.8552	-14.6154	-20.5947	-21.5819	-12.5803	-23.7345	-13.1259
162	-12.7633	-13.6145	-11.2138	-14.009	-22.722	-24.8026	-13.6993	-21.5683	-15.6042
163	-13.5624	-12.4762	-12.034	-13.0203	-26.0826	-26.9899	-14.4381	-19.4145	-19.5884
164	-14.6983	-11.598	-13.2628	-12.3178	-26.1744	-27.3139	-14.5349	-18.0132	-25.3823
165	-16.3329	-11.1706	-14.7641	-12.234	-22.3524	-28.0619	-14.398	-17.3047	-28.2721
166	-18.5299	-11.2719	-16.1939	-12.878	-19.3788	-28.4364	-14.5581	-16.9018	-26.6062
167	-20.1901	-11.9115	-16.8799	-14.2342	-17.5498	-24.3713	-15.2935	-16.2492	-27.4054
168	-18.8668	-13.026	-16.3769	-15.928	-16.5522	-19.8156	-16.6013	-15.1236	-30.371
169	-16.111	-14.4473	-15.1451	-16.7653	-16.1933	-16.6814	-18.2266	-13.8874	-26.6093
170	-13.9882	-15.8695	-13.8822	-15.9095	-16.3949	-14.8057	-19.7273	-13.0243	-21.6038
171	-12.812	-16.97	-12.9568	-14.4606	-17.163	-13.9699	-21.0502	-12.8173	-18.8201
172	-12.5422	-17.5048	-12.5084	-13.3287	-18.5404	-14.0048	-22.9484	-13.424	-17.5843
173	-13.1406	-17.1621	-12.5898	-12.5944	-20.4073	-14.6562	-26.163	-14.9746	-17.1985
174	-14.5971	-15.7978	-13.2263	-12.0211	-21.8993	-15.2761	-26.2459	-17.4581	-16.6066
175	-16.8527	-13.9682	-14.4083	-11.3955	-21.5336	-14.9635	-21.1262	-19.7526	-15.0163
176	-19.5759	-12.3842	-16.0537	-10.7489	-19.9751	-13.8024	-17.3545	-19.171	-12.997
177	-21.9909	-11.4357	-17.8827	-10.3168	-18.7707	-12.7134	-15.2008	-17.1265	-11.4086
178	-23.9653	-11.31	-19.2979	-10.3835	-18.4945	-12.2715	-14.3191	-15.7924	-10.5982
179	-26.9018	-12.1804	-19.7006	-11.2072	-19.3459	-12.6785	-14.5788	-15.4834	-10.6624
Max Gain	11.287	11.298	11.042	11.305	11.111	11.077	10.172	10.021	9.466
30Dragee Max Gal	3.574	2.029	1.313	3.158	2.926	2.188	4.450	4.358	4.319