

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	-12.9746	-11.9122	-10.1406	-14.1291	-9.20038	-10.9126	-16.0197	-9.01261	-11.3155
-179	-13.2686	-12.4738	-10.6839	-13.2864	-9.80746	-11.3693	-15.6504	-10.0518	-10.9805
-178	-13.5588	-12.5688	-11.1807	-12.1827	-10.3957	-11.5355	-14.1808	-11.3499	-10.8476
-177	-13.9803	-12.3078	-11.6088	-11.333	-10.7463	-11.5373	-12.5981	-12.617	-10.98
-176	-14.6786	-12.1561	-12.1319	-10.9707	-10.8799	-11.693	-11.417	-13.6819	-11.4301
-175	-15.7307	-12.5209	-12.9663	-11.1271	-11.0581	-12.1836	-10.7497	-14.6723	-12.2
-174	-17.1095	-13.6737	-14.2677	-11.6982	-11.5542	-12.8522	-10.6034	-15.7735	-13.1922
-173	-18.6069	-15.8245	-15.9634	-12.4573	-12.5496	-13.1195	-10.9628	-16.6108	-14.1286
-172	-19.8265	-18.8722	-17.4661	-13.0996	-14.0993	-12.5339	-11.7977	-16.1626	-14.6339
-171	-20.5066	-20.6188	-17.8869	-13.4775	-15.9962	-11.5052	-13.0464	-14.4909	-14.5688
-170	-20.8844	-18.75	-17.4586	-13.7534	-17.4992	-10.7165	-14.5614	-12.7489	-14.2109
-169	-21.3856	-16.6024	-17.2822	-14.2592	-17.77	-10.5067	-16.0414	-11.5263	-13.8828
-168	-22.1453	-15.6073	-18.0973	-15.2335	-17.3163	-10.9613	-17.1355	-10.9277	-13.723
-167	-22.7694	-15.8476	-20.3904	-16.7722	-17.1157	-12.0497	-17.7553	-10.9028	-13.6845
-166	-22.5134	-17.358	-24.3862	-18.771	-17.5555	-13.6147	-18.1032	-11.3706	-13.5864
-165	-21.3497	-20.1507	-24.4369	-20.7032	-18.3991	-15.3614	-18.22	-12.2338	-13.2572
-164	-20.0514	-22.3566	-19.6483	-21.5927	-18.5873	-17.042	-17.7928	-13.3949	-12.6306
-163	-19.1497	-19.9664	-16.4018	-21.0647	-17.2248	-18.9204	-16.623	-14.7421	-11.7863
-162	-18.7802	-16.7248	-14.6652	-19.6915	-15.2613	-21.8912	-15.0331	-16.0317	-10.8367
-161	-18.8424	-14.6004	-14.0889	-17.9901	-13.7238	-26.8328	-13.4945	-16.665	-9.87267
-160	-19.0027	-13.5033	-14.5631	-16.2919	-12.9378	-25.2409	-12.2589	-15.9565	-8.95221
-159	-18.7201	-13.2362	-16.1893	-14.8538	-12.9669	-19.4764	-11.4087	-14.218	-8.13598
-158	-17.7083	-13.7004	-19.311	-13.8272	-13.98	-15.9485	-10.9417	-12.3105	-7.49042
-157	-16.3067	-14.8653	-23.7393	-13.2767	-15.9996	-13.8892	-10.8303	-10.6959	-7.0802
-156	-14.9935	-16.7314	-22.4223	-13.2039	-18.8763	-12.7851	-11.0261	-9.4997	-6.96553
-155	-14.0372	-19.1802	-17.9989	-13.5613	-20.0608	-12.3536	-11.4709	-8.70955	-7.18797
-154	-13.5125	-21.3817	-14.7231	-14.2378	-17.4809	-12.3834	-12.0647	-8.28883	-7.77092
-153	-13.4311	-21.3623	-12.8371	-15.0421	-14.6583	-12.6797	-12.6321	-8.18662	-8.68249
-152	-13.7847	-19.4265	-11.7371	-15.7018	-12.7191	-13.0582	-12.9176	-8.3566	-9.7617
-151	-14.5444	-17.3904	-11.1764	-15.9816	-11.4921	-13.4029	-12.6993	-8.75375	-10.6176
-150	-15.6967	-15.7882	-10.9936	-15.8676	-10.7257	-13.6987	-11.9689	-9.33384	-10.7597
-149	-17.2012	-14.6	-11.0696	-15.4947	-10.2302	-14.0496	-10.9601	-10.025	-10.1393
-148	-19.0217	-13.7563	-11.3401	-14.9916	-9.8932	-14.5618	-9.94106	-10.6623	-9.16086
-147	-20.9665	-13.1941	-11.8173	-14.4075	-9.70417	-15.1887	-9.08179	-10.9549	-8.16183
-146	-22.4546	-12.8986	-12.5868	-13.8031	-9.73267	-15.5792	-8.47818	-10.6867	-7.25143
-145	-22.6313	-12.8836	-13.7925	-13.2627	-10.0889	-15.2396	-8.18415	-10.0093	-6.44965
-144	-21.6618	-13.1926	-15.6744	-12.9141	-10.8991	-14.2283	-8.2471	-9.32581	-5.80383
-143	-20.5459	-13.8977	-18.6378	-12.8756	-12.3174	-13.1363	-8.72724	-8.97781	-5.41225
-142	-19.8788	-15.0749	-23.6166	-13.2361	-14.576	-12.4046	-9.708	-9.15478	-5.39351
-141	-19.8214	-16.7316	-30.9569	-14.0165	-18.064	-12.16	-11.2496	-9.93555	-5.84432
-140	-20.2711	-18.4108	-25.1249	-15.0744	-22.6431	-12.2571	-13.1772	-11.1997	-6.79906
-139	-20.7356	-18.7024	-20.1491	-15.9353	-22.1114	-12.304	-14.3754	-12.3306	-8.09932
-138	-20.3365	-17.0969	-17.3692	-15.8888	-17.83	-11.8627	-13.3699	-12.1882	-9.15016
-137	-18.8872	-15.1001	-15.7089	-14.934	-14.8723	-10.9602	-11.3011	-10.8368	-9.17789
-136	-17.1828	-13.6039	-14.7517	-13.7959	-13.0906	-10.0458	-9.59785	-9.42234	-8.41608
-135	-15.8361	-12.7707	-14.3233	-12.9781	-12.1564	-9.51406	-8.6184	-8.57066	-7.77347
-134	-15.0184	-12.5887	-14.3546	-12.6521	-11.8981	-9.5638	-8.39149	-8.44375	-7.81807
-133	-14.7278	-13.0156	-14.8299	-12.8331	-12.2566	-10.3074	-8.91918	-9.11348	-8.83447
-132	-14.8729	-14.0156	-15.7684	-13.4909	-13.1999	-11.8496	-10.2717	-10.6863	-11.1643
-131	-15.3308	-15.5018	-17.1731	-14.5682	-14.7178	-14.3649	-12.6096	-13.3607	-15.5702
-130	-15.9079	-17.3189	-19.0505	-16.0184	-16.6997	-18.0601	-16.2883	-17.0257	-21.9403
-129	-16.4061	-19.1592	-21.3726	-17.7911	-18.6168	-21.9136	-21.3225	-18.1579	-17.1834
-128	-16.7132	-20.5811	-23.9453	-19.7819	-19.2223	-20.7232	-21.5197	-14.8927	-12.4816
-127	-16.8255	-21.0567	-25.602	-21.3582	-18.0667	-17.3132	-17.3854	-11.9596	-9.96267
-126	-16.7745	-20.1881	-24.1881	-21.0439	-16.2699	-14.8033	-14.5552	-10.0952	-8.65491
-125	-16.548	-18.2247	-21.079	-18.9411	-14.5899	-13.1108	-12.8467	-9.05179	-8.12139
-124	-16.1338	-16.3004	-18.2847	-16.68	-13.2189	-12.0192	-11.887	-8.63622	-8.15157
-123	-15.6304	-14.6489	-16.2347	-14.971	-12.1971	-11.4211	-11.5201	-8.72863	-8.63633
-122	-15.2131	-13.5691	-14.923	-13.9298	-11.5591	-11.713	-9.2536	-9.48158	
-121	-15.0548	-13.1037	-14.3184	-13.5443	-11.3373	-11.5942	-12.5036	-10.1485	-10.4874
-120	-15.2809	-13.2762	-14.3965	-13.7958	-11.5694	-12.3282	-13.9703	-11.2906	-11.1707
-119	-15.9599	-14.0937	-15.1481	-14.6677	-12.2577	-13.3386	-16.0383	-12.352	-10.9452
-118	-17.1266	-15.5609	-16.551	-16.0959	-13.3378	-14.1791	-17.6679	-12.6796	-9.86004
-117	-18.7304	-17.582	-18.4361	-17.8538	-14.5463	-14.1692	-16.7572	-11.8837	-8.52876
-116	-20.5278	-19.652	-20.0834	-19.3252	-15.3004	-13.2057	-14.3145	-10.464	-7.39433
-115	-21.9358	-20.5182	-20.2783	-19.7115	-15.1344	-11.9599	-12.2084	-9.09683	-6.61876
-114	-22.3426	-19.7008	-19.1374	-19.1614	-14.3576	-10.9863	-10.8357	-8.11274	-6.2309
-113	-21.9171	-18.3625	-17.8067	-18.4312	-13.572	-10.5059	-10.1716	-7.60441	-6.21816
-112	-21.2956	-17.2922	-16.8157	-17.9217	-13.0937	-10.5707	-10.1291	-7.57963	-6.52787
-111	-20.8582	-16.6749	-16.2332	-17.6844	-12.9768	-11.1693	-10.6283	-7.99626	-7.05855
-110	-20.7449	-16.5348	-16.0408	-17.7212	-13.1784	-12.2246	-11.5173	-8.75255	-7.61784
-109	-21.0151	-16.8877	-16.233	-18.0554	-13.5848	-13.5166	-12.4973	-9.65286	-7.95643
-108	-21.7133	-17.7605	-16.7934	-18.7425	-14.0641	-14.6061	-13.1119	-10.3961	-7.93759
-107	-22.8224	-19.0725	-17.6391	-19.7384	-14.4507	-14.958	-13.0679	-10.7406	-7.67252
-106	-24.1046	-20.4263	-18.5052	-20.6164	-14.5371	-14.4907	-12.5671	-10.7092	-7.40341
-105	-24.859	-20.8943	-18.9036	-20.4867	-14.1801	-13.6067	-11.9823	-10.5262	-7.31908
-104	-24.3834	-20.073	-18.5442	-19.1734	-13.427	-12.6826	-11.5227	-10.3964	-7.48755
-103	-23.0731	-18.8146	-17.7528	-17.5888	-12.5088	-11.905	-11.2378	-10.4	-7.88802
-102	-21.7106	-17.8519	-17.0452	-16.392	-11.6668	-11.3645	-11.107	-10.5293	-8.41646
-101	-20.6063	-17.3976	-16.6882	-15.7723	-11.0706	-11.089	-11.084	-10.7291	-8.91157
-100	-19.769	-17.4386	-16.7597	-15.7298	-10.7801	-11.0301	-11.0894	-10.8982	-9.21794
-99	-19.1201	-17.8786	-17.2095	-16.197	-10.7864	-11.078	-11	-10.9067	-9.25412
-98	-18.6161	-18.5975	-17.9203	-17.0478	-11.0328	-11.0724	-10.7054	-10.674	-9.06808
-97	-18.2433	-19.4706	-18.7187	-18.0743	-11.4062	-10.9178	-10.1994	-10.2263	-8.77698
-96	-18.0186	-20.3873	-19.4061	-18.9824	-11.7901	-10.6755	-9.61611	-9.69736	-8.51163
-95	-17.942	-21.2196	-19.9085	-19.4799	-12.0878	-10.5016	-9.14107	-9.25721	-8.36722
-94	-17.9845	-21.8022	-20.2443	-19.4333	-12.2874	-10.5509	-8.90972	-9.01953	-8.40719
-93	-18.0983	-22.0003	-20.5033	-18.9296	-12.4153	-10.9024	-8.99109	-9.05692	-8.63997
-92	-18.2788	-21.896	-20.7481	-18.1835	-12.5169	-11.5717	-9.39236	-9.37125	-9.04202
-91	-18.5755	-21.7986	-21.0081	-17.4476	-12.6143	-12.4862	-10.0551	-9.92014	-9.5211
-90	-19.1131	-22.0284	-21.2908	-16.9182	-12.7173	-13.4543	-10.8472	-10.5868	-9.93692
-89	-20.0556	-22.792	-21.5901	-16.6573	-12.8127	-14.1362	-11.5519	-11.1994	-10.149
-88	-21.5735	-24.1699	-21.8606	-16.6303	-12.8695	-14.1803	-11.9551	-11.5627	-10.1266
-87	-23.7898	-26.0433	-22.012	-16.6335	-12.8254	-13.5996	-11.9595	-11.6039	-9.97306
-86	-26.4246	-27.8909	-21.9313	-16.3969	-12.6067	-12.7627	-11.7104	-11.4182	-9.84313
-85	-27.5661	-28.8208	-21.5448	-15.7949	-12.2153	-12.0354	-11.4057	-11.1769	-9.84458
-84	-25.7778	-28.4578	-20.8625	-14.9922	-11.7559	-11.6286	-11.2094	-11.0136	-9.99613
-83	-23.3245	-27.018	-19.9659	-14.2522	-11.3882	-11.6085	-11.2134	-10.997	-10.2381
-82	-21.3201	-24.8015	-18.9867	-13.7688	-11.2398	-11.9572	-11.4266	-11.1408	-10.4692
-81	-19.7849	-22.3973	-18.0628	-13.6105	-11.3763	-12.5602	-11.8111	-11.4214	-10.6027
-80	-18.6231	-20.3368	-17.3046	-13.758	-11.7912	-13.2055	-12.2723	-11.7896	-10.613
-79	-17.7907	-18.853	-16.7756	-14.121	-12.3864	-13.6338	-12.6677	-	

-68	-15.4231	-14.3463	-12.1757	-11.5733	-11.7307	-10.5785	-9.97059	-12.4311	-11.5176
-67	-14.8057	-14.384	-11.9853	-10.941	-11.0086	-9.83146	-9.31543	-11.8028	-11.2257
-66	-14.2147	-14.3459	-11.7638	-10.2396	-10.1789	-9.26443	-8.89024	-11.4593	-11.1744
-65	-13.6494	-14.1406	-11.4952	-9.56203	-9.36304	-8.94832	-8.73337	-11.3335	-11.2191
-64	-13.108	-13.7349	-11.1701	-8.99023	-8.66712	-8.88604	-8.81893	-11.3196	-11.2091
-63	-12.6007	-13.1503	-10.7998	-8.59067	-8.17712	-9.0302	-9.07904	-11.2881	-11.0579
-62	-12.1133	-12.4364	-10.4049	-8.4	-7.93046	-9.32006	-9.40686	-11.1472	-10.7631
-61	-11.6225	-11.6782	-10.0047	-8.42309	-7.93569	-9.68287	-9.68994	-10.8643	-10.3599
-60	-11.1136	-10.9654	-9.62884	-8.63423	-8.16715	-10.0632	-9.84352	-10.4567	-9.88418
-59	-10.5865	-10.3606	-9.30262	-8.95849	-8.5585	-10.4042	-9.84196	-9.98336	-9.37344
-58	-10.0437	-9.89528	-9.03117	-9.29007	-9.00355	-10.6606	-9.71337	-9.49531	-8.85696
-57	-9.49409	-9.55035	-8.80051	-9.52461	-9.35304	-10.7914	-9.50787	-9.04289	-8.36881
-56	-8.92492	-9.26499	-8.58833	-9.61244	-9.49337	-10.7762	-9.256	-8.65113	-7.90824
-55	-8.33212	-8.97698	-8.35921	-9.58432	-9.40455	-10.62	-8.97875	-8.31214	-7.45733
-54	-7.71912	-8.642	-8.10014	-9.52967	-9.17311	-10.3406	-8.68587	-7.99023	-6.98613
-53	-7.11638	-8.26858	-7.81799	-9.52738	-8.91018	-9.97238	-8.38089	-7.6402	-6.46844
-52	-6.56062	-7.89932	-7.54468	-9.62882	-8.69539	-9.55171	-8.08044	-7.22993	-5.89157
-51	-6.08791	-7.58766	-7.31713	-9.8183	-8.54088	-9.15031	-7.79699	-6.76473	-5.26254
-50	-5.71869	-7.36062	-7.16171	-10.0443	-8.41934	-8.85161	-7.55323	-6.27969	-4.60255
-49	-5.45267	-7.22207	-7.08361	-10.1935	-8.27253	-8.72681	-7.35935	-5.8229	-3.95826
-48	-5.26771	-7.13742	-7.06084	-10.1373	-8.05518	-8.79261	-7.22174	-5.43314	-3.37801
-47	-5.13286	-7.05444	-7.04379	-9.77708	-7.73507	-8.98636	-7.12636	-5.13127	-2.90247
-46	-5.00153	-6.90092	-6.96838	-9.1166	-7.30395	-9.14988	-7.04325	-4.92067	-2.54189
-45	-4.82636	-6.61383	-6.75516	-8.25375	-6.76859	-9.06555	-6.90977	-4.78191	-2.26998
-44	-4.56473	-6.15068	-6.34728	-7.30094	-6.13556	-8.58669	-6.64879	-4.66815	-2.02896
-43	-4.19272	-5.51993	-5.72466	-6.33007	-5.4009	-7.76294	-6.19534	-4.50903	-1.74872
-42	-3.71163	-4.77968	-4.92206	-5.37489	-4.57239	-6.75821	-5.53241	-4.22739	-1.37319
-41	-3.14897	-4.00102	-4.00495	-4.43583	-3.66155	-5.71999	-4.70199	-3.76364	-0.879255
-40	-2.54232	-3.24453	-3.04745	-3.51473	-2.69059	-4.72035	-3.77894	-3.10971	-0.278845
-39	-1.9524	-2.55023	-2.1083	-2.61602	-1.70012	-3.78529	-2.82396	-2.30488	0.397838
-38	-1.35739	-1.92742	-1.22734	-1.75634	-0.737393	-2.91085	-1.88211	-1.41656	1.11044
-37	-0.823589	-1.36762	-0.425951	-0.95559	0.148418	-2.09156	-0.982458	-0.515514	1.81286
-36	-0.334313	-0.848838	0.289086	-0.230328	0.921993	-1.3256	-0.149414	0.335947	2.45959
-35	0.118581	-0.349946	0.920349	0.411419	1.57239	-0.616637	0.59455	1.09543	3.01186
-34	0.547663	0.143339	1.47247	0.969116	2.08296	0.0243228	1.22929	1.73147	3.45107
-33	0.966114	0.637892	1.95161	1.46146	2.48739	0.586446	1.75548	2.23406	3.76949
-32	1.38027	1.12938	2.38182	1.90568	2.80537	1.06459	2.18086	2.60983	3.98369
-31	1.8056	1.61222	2.76473	2.3177	3.08074	1.46516	2.53493	2.89367	4.11449
-30	2.23442	2.08426	3.1211	2.72111	3.3552	1.80769	2.84693	3.11166	4.21194
-29	2.67831	2.53126	3.466	3.12584	3.64651	2.1293	3.1597	3.32558	4.32697
-28	3.12695	2.96902	3.81782	3.53542	3.99043	2.46116	3.5166	3.57695	4.49906
-27	3.589	3.38561	4.188	3.94373	4.38591	2.82774	3.92677	3.90118	4.76156
-26	4.0466	3.78953	4.5779	4.34494	4.81307	3.25345	4.3969	4.30943	5.11695
-25	4.49353	4.1831	4.99548	4.72125	5.25291	3.71595	4.89183	4.78606	5.55327
-24	4.92874	4.56827	5.42089	5.07081	5.68566	4.19113	5.38799	5.29575	6.03064
-23	5.33807	4.94217	5.84769	5.38719	6.08757	4.65093	5.84959	5.79959	6.50818
-22	5.72203	5.30422	6.25358	5.66778	6.44215	5.0568	6.24039	6.2553	6.94889
-21	6.07773	5.64092	6.61933	5.91158	6.74006	5.37592	6.55401	6.63116	7.34436
-20	6.3936	5.95163	6.92699	6.12459	6.98073	5.60523	6.7845	6.9214	7.6811
-19	6.67675	6.2215	7.17E+00	6.30454	7.17198	5.75104	6.95422	7.12646	7.97E+00
-18	6.92E+00	6.44E+00	7.34E+00	6.45E+00	7.32E+00	5.83534	7.08E+00	7.27E+00	8.23E+00
-17	7.13E+00	6.62E+00	7.43E+00	6.56E+00	7.42E+00	5.89E+00	7.19E+00	7.37E+00	8.48E+00
-16	7.31E+00	6.74E+00	7.47E+00	6.65E+00	7.49E+00	5.95E+00	7.31E+00	7.47E+00	8.73E+00
-15	7.45605	6.83E+00	7.47E+00	6.70E+00	7.55E+00	6.05E+00	7.46E+00	7.60E+00	8.99E+00
-14	7.59492	6.90431	7.45E+00	6.74E+00	7.62E+00	6.21E+00	7.63E+00	7.78E+00	9.25E+00
-13	7.73176	6.97342	7.4622	6.79E+00	7.72E+00	6.42E+00	7.85E+00	8.01E+00	9.49882
-12	7.88182	7.06865	7.52242	6.86941	7.86808	6.67E+00	8.08E+00	8.29E+00	9.73864
-11	8.05104	7.2047	7.66122	6.999	8.08457	6.96E+00	8.34E+00	8.60E+00	9.95969
-10	8.24388	7.39121	7.8797	7.20394	8.37513	7.27314	8.61E+00	8.94E+00	10.1684
-9	8.46781	7.63711	8.17367	7.47899	8.73006	7.61202	8.9818	9.28E+00	10.372
-8	8.71336	7.92572	8.51023	7.81735	9.1335	7.97008	9.38758	9.61E+00	10.5763
-7	8.96484	8.24328	8.86239	8.18422	9.54744	8.33485	9.47116	9.91607	10.7849
-6	9.21621	8.56145	9.1932	8.54814	9.93703	8.69469	9.72989	10.1665	10.9965
-5	9.44378	8.86218	9.47639	8.87714	10.2722	9.03646	9.95156	10.3569	11.1947
-4	9.64451	9.12281	9.70023	9.13892	10.5329	9.33568	10.1173	10.4659	11.3574
-3	9.80261	9.32997	9.8542	9.31979	10.7057	9.57875	10.2074	10.495	11.4608
-2	9.91892	9.48395	9.94772	9.41587	10.7918	9.74196	10.2226	10.4427	11.4826
-1	10.0009	9.58972	9.9938	9.43471	10.8059	9.82703	10.1578	10.3164	11.4067
0	10.0538	9.65437	10.0128	9.39514	10.773	9.83365	10.0327	10.1357	11.2335
1	10.0941	9.69999	10.0264	9.33088	10.7176	9.77778	9.86435	9.92548	10.9754
2	10.1386	9.74089	10.0632	9.26731	10.6718	9.68868	9.68522	9.71729	10.6628
3	10.1978	9.79621	10.1296	9.23517	10.6589	9.59111	9.53018	9.54311	10.3343
4	10.2838	9.87861	10.2309	9.25092	10.6881	9.52155	9.42397	9.41634	10.036
5	10.3975	9.98866	10.3588	9.31244	10.7565	9.49606	9.38299	9.34604	9.80717
6	10.5325	10.1238	10.4945	9.40855	10.8435	9.52227	9.39601	9.31116	9.65426
7	10.6753	10.2698	10.6159	9.51741	10.9246	9.58004	9.44E+00	9.28E+00	9.56474
8	10.8125	10.4074	10.7076	9.61606	10.9731	9.64574	9.47E+00	9.22E+00	9.49391
9	10.9268	10.5178	10.7513	9.67572	10.9712	9.68415	9.46E+00	9.10E+00	9.38402
10	10.9996	10.5851	10.7435	9.6841	10.9071	9.66304	9.39E+00	8.89E+00	9.18875
11	11.0262	10.6013	10.6857	9.63462	10.7845	9.57462	9.24E+00	8.60E+00	8.87932
12	11.0014	10.5564	10.5838	9.52839	10.6181	9.41655	9.03E+00	8.23E+00	8.44497
13	10.9299	10.4577	10.4517	9.37841	10.4229	9.20077	8.79E+00	7.83E+00	7.90E+00
14	10.819	10.3103	10.3053	9.19819	10.2262	8.95455	8.54E+00	7.43E+00	7.30E+00
15	10.6862	10.1328	10.1573	9.00E+00	1.00E+01	8.70834	8.33E+00	7.08E+00	6.69E+00
16	1.05E+01	9.93999	10.0197	8.82E+00	9.89E+00	8.48823	8.17E+00	6.81485	6.13E+00
17	1.04E+01	9.76E+00	9.90E+00	8.65E+00	9.77E+00	8.30679	8.07141	6.63885	5.69598
18	1.03E+01	9.59E+00	9.79E+00	8.50E+00	9.67E+00	8.16779	8.02551	6.53832	5.38449
19	1.02E+01	9.45E+00	9.70E+00	8.38379	9.56664	8.05226	7.9983	6.4809	5.15797
20	1.01E+01	9.35E+00	9.59844	8.28093	9.44697	7.92739	7.95311	6.41809	4.94547
21	10.0781	9.25415	9.49096	8.17989	9.28519	7.76971	7.85234	6.30884	4.65442
22	10.0103	9.16047	9.35891	8.06341	9.07114	7.55088	7.67251	6.11073	4.20522
23	9.91659	9.04505	9.19484	7.91458	8.79334	7.26083	7.39717	5.81082	3.52997
24	9.78336	8.89186	8.9938	7.71759	8.44767	6.8965	7.03158	5.4088	2.58979
25	9.59406	8.68224	8.75656	7.45999	8.04472	6.46586	6.58157	4.9105	1.40706
26	9.34826	8.4135	8.48417	7.13751	7.59586	5.99299	6.07042	4.35639	0.0414328
27	9.03818	8.08575	8.17938	6.75001	7.11021	5.50141	5.52625	3.77618	-1.31835
28	8.67479	7.70875	7.8522	6.30964	6.60712	5.01397	4.97116	3.20929	-2.36498
29	8.26607	7.30068	7.5115	5.83484	6.10315	4.55253	4.43577	2.69374	-2.78125
30	7.83066	6.8817	7.16338	5.35186	5.59779	4.12736	3.92289	2.23408	-2.53761
31	7.37865	6.47398	6.81861	4.89384	5.09644	3.7314	3.44478	1.81583	-1.92635
32	6.92963	6.09526	6.47431	4.48265	4.60188	3.34545	2.99364	1.40302	-1.2961
33	6.48566	5.74172	6.13166	4.12377	4.10139	2.95443	2.54107	0.945516	-0.876663
34	6.05541	5.41067	5.78408	3.81982	3.58978				

45	0.278026	-0.161639	0.524268	-1.68314	-3.01805	-5.34808	-3.98891	-4.50329	-3.02552
46	-0.213239	-0.702914	0.0981733	-2.02164	-3.25349	-5.77877	-4.22684	-4.41608	-2.60537
47	-0.659066	-1.18121	-0.308028	-2.23649	-3.41608	-6.08645	-4.42544	-4.42947	-2.46571
48	-1.07814	-1.60471	-0.702972	-2.38524	-3.54789	-6.31678	-4.59849	-4.51861	-2.57528
49	-1.50006	-1.99013	-1.11503	-2.54141	-3.69073	-6.49916	-4.74828	-4.7246	-2.8573
50	-1.95392	-2.36998	-1.56407	-2.77815	-3.88437	-6.68406	-4.88675	-4.94036	-3.21772
51	-2.46319	-2.78008	-2.0633	-3.14784	-4.15795	-6.9281	-5.04434	-5.15442	-3.55965
52	-3.04223	-3.24911	-2.6092	-3.67419	-4.528	-7.26671	-5.25308	-5.34639	-3.81683
53	-3.6881	-3.7948	-3.18988	-4.34901	-4.99703	-7.70742	-5.53702	-5.51678	-3.96724
54	-4.38311	-4.41399	-3.78018	-5.12575	-5.54301	-8.21159	-5.89798	-5.69052	-4.0283
55	-5.09439	-5.08187	-4.35184	-5.92852	-6.13271	-8.73617	-6.31864	-5.9074	-4.0602
56	-5.7753	-5.76019	-4.87563	-6.66881	-6.71898	-9.25382	-6.77439	-6.2056	-4.12932
57	-6.3769	-6.40168	-5.33502	-7.26239	-7.25136	-9.7774	-7.24877	-6.60102	-4.29592
58	-6.85721	-6.9608	-5.71383	-7.64679	-7.67903	-10.3086	-7.72486	-7.07193	-4.58578
59	-7.20518	-7.41143	-6.01432	-7.80097	-7.95546	-10.7914	-8.16962	-7.56519	-4.97413
60	-7.44794	-7.75163	-6.25237	-7.75573	-8.05773	-11.0775	-8.51561	-7.99518	-5.40423
61	-7.64362	-8.01012	-6.46123	-7.60075	-8.00457	-11.0266	-8.67057	-8.27107	-5.79983
62	-7.86953	-8.2558	-6.6867	-7.45637	-7.86746	-10.647	-8.56795	-8.32806	-6.09365
63	-8.19059	-8.56568	-6.96351	-7.42739	-7.7326	-10.1175	-8.23795	-8.15285	-6.26017
64	-8.65117	-9.02039	-7.32574	-7.57652	-7.69251	-9.63672	-7.80658	-7.79952	-6.30547
65	-9.26908	-9.67716	-7.78037	-7.92969	-7.8187	-9.34898	-7.41842	-7.37772	-6.26
66	-10.0221	-10.5564	-8.33093	-8.48595	-8.15463	-9.33784	-7.19334	-7.0227	-6.19228
67	-10.8536	-11.6348	-8.97924	-9.23329	-8.72289	-9.66672	-7.2102	-6.84482	-6.17933
68	-11.6759	-12.8239	-9.72565	-10.1724	-9.53248	-10.3884	-7.51059	-6.92092	-6.29177
69	-12.3727	-13.951	-10.5653	-11.3186	-10.5736	-11.565	-8.11304	-7.2851	-6.56133
70	-12.8353	-14.7915	-11.4575	-12.6837	-11.841	-13.2793	-9.01694	-7.93892	-6.96977
71	-13.026	-15.1698	-12.2959	-14.1874	-13.319	-15.6173	-10.2018	-8.84208	-7.45252
72	-12.9729	-15.0545	-12.9256	-15.5258	-14.9684	-18.6753	-11.6329	-9.92799	-7.91474
73	-12.7813	-14.591	-13.2317	-16.1612	-16.6332	-22.335	-13.255	-11.1127	-8.29534
74	-12.5896	-14.0026	-13.2268	-15.8373	-17.8783	-24.9785	-15.0036	-12.3337	-8.58099
75	-12.5242	-13.4768	-13.0425	-14.9431	-18.0988	-23.943	-16.7996	-13.5542	-8.78421
76	-12.6875	-13.1532	-12.7971	-13.9558	-17.2882	-21.4071	-18.5203	-14.7295	-8.98983
77	-13.1338	-13.1013	-12.5449	-13.0919	-16.0907	-19.2412	-19.9922	-15.7663	-8.89138
78	-13.8998	-13.3409	-12.3155	-12.4186	-14.9959	-17.6969	-21.0548	-16.4987	-8.75282
79	-14.9834	-13.8393	-12.1466	-11.9612	-14.1853	-16.7732	-21.7481	-16.826	-8.54384
80	-16.3631	-14.5316	-12.1162	-11.7463	-13.6842	-16.4544	-22.3173	-16.8107	-8.38648
81	-18.005	-15.3432	-12.3046	-11.8039	-13.4591	-16.7252	-23.0274	-16.6103	-8.42032
82	-19.8703	-16.2428	-12.7916	-12.1462	-13.4651	-17.5265	-24.0003	-16.3583	-8.75925
83	-21.9494	-17.2851	-13.6046	-12.7437	-13.6627	-18.7285	-25.121	-16.1406	-9.46945
84	-24.0999	-18.6152	-14.73	-13.5279	-14.0044	-20.0641	-25.8509	-15.9975	-10.5559
85	-25.5032	-20.3974	-16.0633	-14.366	-14.4252	-21.1341	-25.4019	-15.9494	-11.9367
86	-24.8805	-22.5784	-17.4075	-15.097	-14.8314	-21.683	-23.8406	-15.968	-13.3885
87	-22.8924	-24.2417	-18.5252	-15.5991	-15.0844	-21.7654	-21.9913	-15.9571	-14.532
88	-20.9029	-23.7202	-19.3123	-15.8593	-15.0575	-21.5128	-20.3832	-15.8266	-14.9308
89	-19.3328	-21.7835	-19.8507	-15.9452	-14.714	-20.9369	-19.1468	-15.5585	-14.2513
90	-18.1556	-19.9829	-20.2454	-15.9301	-14.1564	-20.0448	-18.2399	-15.2029	-12.5763
91	-17.2423	-18.6903	-20.5128	-15.8665	-13.5434	-18.9536	-17.5536	-14.8256	-10.49
92	-16.4704	-17.8249	-20.625	-15.7652	-13.0103	-17.8356	-16.9819	-14.4504	-8.54688
93	-15.7795	-17.2469	-20.5997	-15.6467	-12.6312	-16.8304	-16.4815	-14.0379	-7.01433
94	-15.1661	-16.8306	-20.5023	-15.527	-12.4379	-16.033	-16.0855	-13.5867	-5.97162
95	-14.6921	-16.5307	-20.3699	-15.4305	-12.4323	-15.4986	-15.8899	-13.1343	-5.40302
96	-14.4022	-16.3447	-20.1865	-15.377	-12.58	-15.2711	-15.9535	-12.7608	-5.24798
97	-14.3337	-16.3015	-19.9341	-15.3922	-12.8431	-15.3583	-16.3064	-12.525	-5.41476
98	-14.4809	-16.4233	-19.6357	-15.4836	-13.1478	-15.7272	-16.8764	-12.4407	-5.78607
99	-14.7919	-16.6694	-19.3489	-15.6522	-13.4271	-16.2996	-17.5255	-12.4573	-6.24378
100	-15.1405	-16.9673	-19.1024	-15.8887	-13.6014	-16.9393	-18.061	-12.4791	-6.70103
101	-15.342	-17.2013	-18.864	-16.1965	-13.6213	-17.475	-18.318	-12.4313	-7.10659
102	-15.2224	-17.2766	-18.5823	-16.549	-13.4851	-17.7847	-18.3653	-12.2852	-7.39453
103	-14.7542	-17.1536	-18.2454	-16.8656	-13.2365	-17.7917	-17.9665	-12.0666	-7.45764
104	-14.0753	-16.8723	-17.9188	-17.0199	-12.953	-17.4915	-17.518	-11.8091	-7.19255
105	-13.3803	-16.4809	-17.6804	-16.8862	-12.7171	-16.9419	-17.0328	-11.5123	-6.62668
106	-12.815	-16.0215	-17.5836	-16.4519	-12.6046	-16.2968	-16.6303	-11.1579	-5.91607
107	-12.4456	-15.5394	-17.6114	-15.8836	-12.6606	-15.7207	-16.4084	-10.7326	-5.24069
108	-12.2964	-15.0674	-17.7033	-15.3944	-12.8923	-15.3495	-16.4137	-10.244	-4.71713
109	-12.3422	-14.6329	-17.8003	-15.1248	-13.2776	-15.2625	-16.6311	-9.73524	-4.40173
110	-12.5339	-14.2601	-17.906	-15.143	-13.7547	-15.4668	-16.9569	-9.25665	-4.31727
111	-12.796	-13.9283	-18.0819	-15.453	-14.2375	-15.9025	-17.2352	-8.85626	-4.47185
112	-13.0427	-13.6105	-18.4159	-16.0085	-14.6071	-16.4668	-17.3037	-8.56843	-4.87264
113	-13.1865	-13.2866	-18.9595	-16.7344	-14.7709	-17.0526	-17.0965	-8.41825	-5.51849
114	-13.1682	-12.9487	-19.7089	-17.5699	-14.6752	-17.5721	-16.6597	-8.4041	-6.39233
115	-12.9736	-12.6295	-20.6058	-18.4361	-14.3253	-18.0002	-16.0827	-8.51527	-7.45256
116	-12.6418	-12.3705	-21.5449	-19.2097	-13.7753	-18.322	-15.4399	-8.73315	-8.61001
117	-12.2289	-12.2259	-22.3524	-19.617	-13.1112	-18.5625	-14.7855	-9.02407	-9.72558
118	-11.8084	-12.2128	-22.7216	-19.3459	-12.4217	-18.7397	-14.1624	-9.35241	-10.611
119	-11.4328	-12.3363	-22.3364	-18.4217	-11.79	-18.9364	-13.6266	-9.67287	-11.1049
120	-11.1301	-12.5642	-21.2763	-17.246	-11.2665	-19.2313	-13.2471	-9.9254	-11.1461
121	-10.8896	-12.8507	-20.0054	-16.1604	-10.874	-19.6687	-13.0987	-10.0497	-10.8416
122	-10.6874	-13.1344	-18.9336	-15.346	-10.6178	-20.1495	-13.2289	-10.0026	-10.3744
123	-10.4804	-13.3575	-18.262	-14.8185	-10.4757	-20.4321	-13.6547	-9.81437	-9.91933
124	-10.2443	-13.4868	-18.0396	-14.5402	-10.4278	-20.3206	-14.3192	-9.56898	-9.58045
125	-9.98409	-13.5134	-18.2464	-14.436	-10.4407	-19.9082	-15.0572	-9.3682	-9.39946
126	-9.72586	-13.4487	-18.7773	-14.4186	-10.4937	-19.4924	-15.6265	-9.29121	-9.38078
127	-9.50583	-13.3267	-19.4047	-14.3788	-10.5543	-19.2899	-15.8362	-9.36206	-9.50239
128	-9.35169	-13.1599	-19.7466	-14.2259	-10.5909	-19.3191	-15.6946	-9.57552	-9.71507
129	-9.28635	-12.9656	-19.4228	-13.8917	-10.5413	-19.3967	-15.3153	-9.90201	-9.96452
130	-9.30258	-12.749	-18.4191	-13.3517	-10.3575	-19.2355	-14.7483	-10.3017	-10.1994
131	-9.38568	-12.5071	-17.072	-12.6279	-10.0107	-18.6968	-14.0226	-10.7352	-10.3843
132	-9.50623	-12.2492	-15.7304	-11.7919	-9.53424	-17.9427	-13.1984	-11.1521	-10.52525
133	-9.62455	-11.9887	-14.5903	-10.9213	-9.0047	-17.2426	-12.4066	-11.4587	-10.6717
134	-9.70148	-11.7477	-13.7514	-10.0816	-8.50011	-16.7543	-11.748	-11.545	-10.8735
135	-9.71532	-11.5475	-13.2364	-9.33195	-8.07799	-16.5068	-11.2522	-11.3446	-11.169
136	-9.6675	-11.402	-13.0361	-8.70452	-7.7611	-16.4342	-10.8875	-10.9149	-11.5474
137	-9.5846	-11.3212	-13.105	-8.22534	-7.555	-16.4263	-10.5921	-10.3884	-11.9305
138	-9.5149	-11.3056	-13.3501	-7.91387	-7.45236	-16.4101	-10.3466	-9.89741	-12.2096
139	-9.49591	-11.3519	-13.6403	-7.78032	-7.43199	-16.3841	-10.1798	-9.4983	-12.3109
140	-9.56265	-11.4406	-13.8234	-7.8256	-7.47514	-16.3886	-10.1483	-9.19877	-12.2758
141	-9.72976	-11.547	-13.8166	-8.03518	-7.55399	-16.4592	-10.2672	-8.98474	-12.232
142	-9.98769	-11.6189	-13.6366	-8.37649	-7.6413	-16.5695	-10.4762	-8.83577	-12.2979
143	-10.3169	-11.6249	-13.3914	-8.79242	-7.71169	-16.6401	-10.6443	-8.75638	-12.5134
144	-10.6783	-11.5463	-13.1967	-9.20463	-7.7657	-16.5973	-10.6675	-8.76713	-12.807
145	-11.0239	-11.4081	-13.1438	-9.52944	-7.82689	-16.4487	-10.5526	-8.89474	-13.0596
146	-11.3098	-11.2691	-13.2849	-9.71356	-7.93531	-16.2355	-10.4192	-9.15334	-13.221
147	-11.5266	-11.1879	-13.6222	-9.76335	-8.12397	-15.9872	-10.3928	-9.5445	-13.3786
148	-11.7232	-11.2183							

158	-16.7047	-20.8215	-12.6575	-18.6617	-9.01004	-14.2951	-10.5674	-10.9289	-14.612
159	-15.5578	-19.1872	-13.3218	-16.5183	-9.1938	-14.4458	-10.7832	-11.4794	-14.65
160	-15.1465	-17.367	-14.5184	-15.1668	-9.53424	-14.8402	-11.6245	-12.0689	-14.9666
161	-15.4047	-16.1076	-16.0985	-14.4351	-9.9635	-15.0862	-13.1436	-12.2933	-15.3979
162	-16.2416	-15.5712	-17.4036	-14.0782	-10.4694	-14.5342	-15.3713	-11.9448	-15.2094
163	-17.3833	-15.8112	-17.4458	-13.8267	-11.1537	-13.2082	-18.1905	-11.3541	-13.8925
164	-18.1386	-16.8722	-16.4426	-13.4462	-12.272	-11.8536	-20.3519	-11.0347	-12.1233
165	-17.7429	-18.6605	-15.4529	-12.8265	-14.2512	-11.001	-19.2365	-11.3479	-10.6705
166	-16.496	-20.2219	-15.0085	-12.0759	-17.9334	-10.8661	-16.3115	-12.5166	-9.80155
167	-15.2431	-19.5208	-15.2536	-11.3826	-25.8999	-11.5177	-13.6902	-14.5898	-9.53963
168	-14.3873	-17.32	-16.2125	-10.936	-24.3082	-12.9398	-11.7362	-16.5991	-9.79658
169	-13.9765	-15.4733	-17.8686	-10.8747	-16.8993	-14.7715	-10.4125	-15.8084	-10.4353
170	-13.904	-14.404	-19.9042	-11.2916	-13.3398	-15.715	-9.651	-13.2676	-11.2413
171	-13.9477	-14.0234	-20.7681	-12.2331	-11.4689	-14.7476	-9.37692	-11.2722	-12.0175
172	-13.8377	-14.0947	-18.8979	-13.6263	-10.5909	-13.0687	-9.49316	-10.1392	-12.6532
173	-13.4487	-13.9608	-16.0441	-15.0591	-10.3048	-11.6922	-9.87869	-9.67314	-13.1647
174	-12.8831	-13.3863	-13.5796	-15.6813	-10.233	-10.7578	-10.4042	-9.54658	-13.5517
175	-12.3726	-12.402	-11.7338	-15.1913	-10.0348	-10.1623	-10.9865	-9.39506	-13.7043
176	-12.079	-11.4583	-10.4793	-14.4056	-9.59224	-9.81677	-11.6498	-9.02231	-13.5044
177	-12.0596	-10.894	-9.76475	-13.9908	-9.09145	-9.71654	-12.5145	-8.55795	-13.0076
178	-12.2732	-10.829	-9.52958	-14.0556	-8.78284	-9.89247	-13.6807	-8.28409	-12.3878
179	-12.622	-11.2348	-9.69772	-14.2944	-8.81727	-10.3343	-15.053	-8.40934	-11.7975
Max Gain	11.026	10.601	10.751	9.684	10.973	9.834	10.223	10.495	11.483
30Dragee Max Gal	6.394	5.952	6.254	5.912	6.088	3.731	4.436	3.209	3.769

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	-10.3423	-10.9321	-11.1836	-13.0799	-13.8309	-12.0999	-16.3028	-10.9983	-12.6315
-179	-9.51684	-10.7591	-11.9052	-11.5938	-15.6817	-11.3119	-14.8813	-11.5566	-10.9385
-178	-8.94598	-10.6544	-12.3049	-10.501	-17.6656	-10.5134	-13.5988	-12.1128	-9.66751
-177	-8.71779	-10.6607	-12.4475	-9.81399	-19.1995	-10.0125	-12.611	-12.6869	-8.90812
-176	-8.88197	-10.8483	-12.4897	-9.53153	-19.7209	-9.90805	-12.0111	-13.2959	-8.66732
-175	-9.44734	-11.275	-12.5071	-9.64527	-19.4862	-10.1897	-11.8562	-13.9038	-8.93385
-174	-10.3892	-11.9618	-12.4419	-10.1515	-19.0964	-10.7829	-12.1842	-14.4344	-9.72338
-173	-11.6043	-12.8578	-12.2052	-11.0328	-18.7584	-11.5494	-13.0396	-14.7804	-11.06
-172	-12.8847	-13.8117	-11.8261	-12.261	-18.34	-12.3398	-14.4799	-14.9176	-13.0337
-171	-13.9527	-14.5769	-11.4807	-13.7639	-17.6821	-13.07	-16.538	-14.9364	-15.8089
-170	-14.7055	-14.9802	-11.3939	-15.3872	-16.8526	-13.8326	-19.0636	-15.0069	-19.7257
-169	-15.3508	-15.1265	-11.7656	-16.8619	-16.1057	-14.8724	-21.1209	-15.2909	-24.7215
-168	-16.2055	-15.2997	-12.7747	-17.887	-15.6903	-16.5217	-21.1876	-15.8732	-24.9641
-167	-17.3214	-15.7375	-14.6295	-18.3829	-15.7789	-19.2415	-19.9627	-16.7221	-20.7974
-166	-18.1424	-16.5285	-17.4973	-18.5287	-16.4735	-23.602	-18.9065	-17.5549	-17.6861
-165	-17.6622	-17.5106	-20.3649	-18.5471	-17.7929	-26.1369	-18.4408	-17.788	-15.5622
-164	-16.0967	-18.1474	-19.2219	-18.5718	-19.3211	-21.4128	-18.5309	-17.0304	-14.0782
-163	-14.5358	-17.8023	-16.0795	-18.6547	-19.6397	-17.5956	-18.9635	-15.6878	-13.0489
-162	-13.5335	-16.6593	-13.812	-18.8175	-17.9662	-15.274	-19.4117	-14.3601	-12.3707
-161	-13.2245	-15.4096	-12.5686	-19.0404	-15.7834	-13.9718	-19.5059	-13.3648	-11.9618
-160	-13.6153	-14.4688	-12.1999	-19.2535	-14.0754	-13.4173	-19.1361	-12.7872	-11.7393
-159	-14.6324	-13.9723	-12.6195	-19.3216	-13.0302	-13.4839	-18.5255	-12.6368	-11.5915
-158	-15.9345	-13.922	-13.8058	-19.1082	-12.6241	-14.0898	-17.9419	-12.8745	-11.3979
-157	-16.5486	-14.2785	-15.6721	-18.6004	-12.8219	-15.1389	-17.4966	-13.4115	-11.0532
-156	-15.6474	-14.9353	-17.6158	-17.9404	-13.5682	-16.376	-17.1478	-14.0321	-10.5335
-155	-13.9822	-15.6983	-17.8979	-17.3159	-14.7332	-17.1783	-16.7743	-14.3808	-9.90396
-154	-12.4962	-16.2371	-16.1727	-16.8591	-15.9189	-16.8319	-16.2573	-14.1322	-9.27004
-153	-11.49	-16.2263	-14.1834	-16.6178	-16.3449	-15.5265	-15.5923	-13.3345	-8.73494
-152	-10.9802	-15.652	-12.6988	-16.5696	-15.61	-14.0134	-14.8556	-12.3328	-8.3611
-151	-10.9138	-14.8082	-11.7743	-16.6134	-14.3103	-12.7211	-14.178	-11.4261	-8.189
-150	-11.2168	-13.9697	-11.3224	-16.6034	-13.092	-11.7667	-13.6512	-10.7676	-8.23471
-149	-11.8094	-13.274	-11.2364	-16.3975	-12.1923	-11.1448	-13.3208	-10.3965	-8.50125
-148	-12.5837	-12.7466	-11.4037	-15.9407	-11.6144	-10.8167	-13.2043	-10.3148	-8.97362
-147	-13.3829	-12.3606	-11.6831	-15.278	-11.3029	-10.7253	-13.2874	-10.5082	-9.62706
-146	-14.0029	-12.0573	-11.9165	-14.5141	-11.1647	-10.8097	-13.519	-10.9449	-10.4104
-145	-14.2464	-11.7694	-11.9627	-13.7359	-11.1274	-11.0136	-13.8446	-11.5777	-11.234
-144	-14.0371	-11.4489	-11.7683	-13.0001	-11.1276	-11.2725	-14.1446	-12.3311	-11.9754
-143	-13.4749	-11.0806	-11.3934	-12.3468	-11.138	-11.5419	-14.3727	-13.0983	-12.4921
-142	-12.7312	-10.6774	-10.9649	-11.7983	-11.1649	-11.7905	-14.4652	-13.7455	-12.7074
-141	-11.9669	-10.2916	-10.6094	-11.3939	-11.2404	-12.0245	-14.4356	-14.1696	-12.6654
-140	-11.2785	-9.97444	-10.4162	-11.1616	-11.384	-12.2412	-14.3346	-14.3512	-12.5057
-139	-10.7166	-9.77782	-10.4297	-11.134	-11.6241	-12.4454	-14.2033	-14.3757	-12.3796
-138	-10.3075	-9.73529	-10.6698	-11.3289	-11.9597	-12.6267	-14.0681	-14.336	-12.3891
-137	-10.0649	-9.85928	-11.1273	-11.7464	-12.368	-12.7375	-13.9083	-14.3058	-12.5977
-136	-9.98482	-10.1483	-11.7378	-12.3401	-12.8025	-12.7236	-13.6834	-14.284	-13.0118
-135	-10.0567	-10.5522	-12.3755	-12.9903	-13.1557	-12.5207	-13.3479	-14.2349	-13.597
-134	-10.2486	-10.9766	-12.8369	-13.4829	-13.3108	-12.1085	-12.9017	-14.0906	-14.2722
-133	-10.4863	-11.2811	-12.9177	-13.5781	-13.1744	-11.5286	-12.3817	-13.8339	-14.9104
-132	-10.6541	-11.3102	-12.5743	-13.1974	-12.7634	-10.863	-11.8498	-13.4811	-15.3747
-131	-10.6146	-11.0091	-11.9541	-12.4982	-12.1829	-10.2017	-11.3718	-13.1059	-15.5975
-130	-10.2842	-10.4564	-11.2564	-11.7173	-11.5723	-9.61728	-10.9911	-12.7662	-15.6248
-129	-9.69209	-9.81071	-10.6312	-11.0178	-11.0326	-9.14818	-10.7331	-12.5166	-15.5534
-128	-8.97356	-9.20164	-10.1412	-10.4718	-10.6174	-8.81181	-10.5947	-12.3655	-15.4735
-127	-8.26903	-8.70735	-9.79685	-10.0963	-10.3461	-8.60082	-10.5655	-12.3077	-15.44
-126	-7.68227	-8.35448	-9.58013	-9.87552	-10.2031	-8.4881	-10.6056	-12.3167	-15.4509
-125	-7.26497	-8.13931	-9.45256	-9.78589	-10.1601	-8.43864	-10.673	-12.3491	-15.496
-124	-7.03545	-8.02602	-9.36457	-9.7856	-10.1763	-8.40843	-10.7114	-12.365	-15.5399
-123	-6.98275	-7.97336	-9.27434	-9.83749	-10.2086	-8.35501	-10.674	-12.3284	-15.5369
-122	-7.07271	-7.92324	-9.14629	-9.89597	-10.214	-8.24891	-10.5242	-12.2141	-15.4488
-121	-7.24579	-7.82822	-8.96071	-9.91106	-10.164	-8.08261	-10.2754	-12.0203	-15.253
-120	-7.41974	-7.65286	-8.72634	-9.84404	-10.0424	-7.86392	-9.95011	-11.7656	-14.9554
-119	-7.50006	-7.39209	-8.45165	-9.6771	-9.85603	-7.61442	-9.596	-11.4746	-14.6014
-118	-7.41372	-7.06524	-8.15723	-9.41197	-9.61005	-7.36503	-9.25152	-11.1815	-14.2491
-117	-7.14059	-6.70607	-7.85673	-9.07231	-9.32219	-7.13895	-8.93997	-10.9126	-13.947
-116	-6.72682	-6.35045	-7.55561	-8.68999	-9.00874	-6.94391	-8.672	-10.6831	-13.7127
-115	-6.25811	-6.02502	-7.25762	-8.29765	-8.6851	-6.78466	-8.43567	-10.4864	-13.5352
-114	-5.81966	-5.74664	-6.95867	-7.91467	-8.36828	-6.6534	-8.21943	-10.3151	-13.3709
-113	-5.46791	-5.52707	-6.6626	-7.55751	-8.07142	-6.5367	-8.00708	-10.1499	-13.1661
-112	-5.23986	-5.36633	-6.37843	-7.23304	-7.80893	-6.42588	-7.79116	-9.9766	-12.8956
-111	-5.13866	-5.25818	-6.1144	-6.95018	-7.59529	-6.32145	-7.57514	-9.79017	-12.5452
-110	-5.15156	-5.2001	-5.89029	-6.70834	-7.44097	-6.22768	-7.3682	-9.59254	-12.1556
-109	-5.24106	-5.18201	-5.71533	-6.50941	-7.34459	-6.15671	-7.18471	-9.39291	-11.7524
-108	-5.36665	-5.19938	-5.59658	-6.35136	-7.30246	-6.11881	-7.0392	-9.19728	-11.3707
-107	-5.48179	-5.24188	-5.53593	-6.22763	-7.29726	-6.11815	-6.93117	-9.0048	-11.0154
-106	-5.54477	-5.29923	-5.51983	-6.12734	-7.30885	-6.14777	-6.86026	-8.81071	-10.684
-105	-5.53659	-5.35683	-5.52742	-6.03	-7.30919	-6.19054	-6.80835	-8.59705	-10.3504
-104	-5.45182	-5.39393	-5.52938	-5.91355	-7.26106	-6.22409	-6.75041	-8.33988	-9.98625
-103	-5.29734	-5.38974	-5.48887	-5.75178	-7.13798	-6.21282	-6.65029	-8.01744	-9.57283
-102	-5.08716	-5.31941	-5.37914	-5.52603	-6.91377	-6.1288	-6.48146	-7.61377	-9.08705
-101	-4.83305	-5.16893	-5.18452	-5.22262	-6.5822	-5.95192	-6.22324	-7.1305	-8.53152
-100	-4.54568	-4.93043	-4.90885	-4.84808	-6.15308	-5.67753	-5.88358	-6.59505	-7.92794
-99	-4.23695	-4.61863	-4.57634	-4.42438	-5.65863	-5.32936	-5.48964	-6.01445	-7.30839
-98	-3.91643	-4.2624	-4.22477	-3.98543	-5.14164	-4.93973	-5.08447	-5.51232	-6.71582
-97	-3.5987	-3.89978	-3.89402	-3.57047	-4.64623	-4.55442	-4.71231	-5.04711	-6.18764
-96	-3.29889	-3.57314	-3.62208	-3.21496	-4.21371	-4.2127	-4.41087	-4.67049	-5.74987
-95	-3.04013	-3.31472	-3.43708	-2.94328	-3.86877	-3.94414	-4.20557	-4.39646	-5.41771
-94	-2.84266	-3.14885	-3.35341	-2.77099	-3.62507	-3.76552	-4.10666	-4.2235	-5.19718
-93	-2.72776	-3.08254	-3.37403	-2.70024	-3.48319	-3.67694	-4.11019	-4.14285	-5.07895
-92	-2.70711	-3.11092	-3.48843	-2.72301	-3.4302	-3.66581	-4.19876	-4.13239	-5.03851
-91	-2.78063	-3.21573	-3.67198	-2.81791	-3.44294	-3.70805	-4.34138	-4.1592	-5.04625
-90	-2.9352	-3.36394	-3.88694	-2.95291	-3.48553	-3.77107	-4.49743	-4.18941	-5.0591
-89	-3.14056	-3.51455	-4.08873	-3.09174	-3.5196	-3.81276	-4.61918	-4.18198	-5.0328
-88	-3.35154	-3.62048	-4.22758	-3.19189	-3.50486	-3.79567	-4.66284	-4.10609	-4.93036
-87	-3.51589	-3.641	-4.26309	-3.22263	-3.41113	-3.69247	-4.59686	-3.94722	-4.72513
-86	-3.57988	-3.55152	-4.17409	-3.16618	-3.22317	-3.49213	-4.41636	-3.70559	-4.41721
-85	-3.50691	-3.35576	-3.96221	-3.02781	-2.94988	-3.2055	-4.14087	-3.40253	-4.02908
-84	-3.28843	-3.0799	-3.65624	-2.82666	-2.61708	-2.86079	-3.80166	-3.06914	-3.5956
-83	-2.94862	-2.7681	-3.29655	-2.59377	-2.25934	-2.49432	-3.44178	-2.74031	-3.15912
-82	-2.54028	-2.46989	-2.93217	-2.36421	-1.91759	-2.14607	-3.10131	-2.44624	-2.75876
-81	-2.12716	-2.23144	-2.60912	-2.16662	-1.62465	-1.84814	-2.81252	-2.21272	-2.42618
-80	-1.76677	-2.08547	-2.36354	-2.02694	-1.40555	-1.62388	-2.59867	-2.05465	-2.1834
-79	-1.50906	-2.05254	-2.22004	-1.95972	-1.27909	-1.48639			

-68	-2.91692	-4.08491	-4.63887	-4.02668	-2.91295	-2.59	-3.95415	-3.75372	-3.52259
-67	-2.51237	-3.91218	-4.5378	-4.10128	-2.87654	-2.54929	-3.89109	-3.80469	-3.57231
-66	-2.05124	-3.7241	-4.39771	-4.15365	-2.83341	-2.50973	-3.80485	-3.85058	-3.64372
-65	-1.59969	-3.54656	-4.27341	-4.2032	-2.81521	-2.49458	-3.72399	-3.91133	-3.76307
-64	-1.20966	-3.39711	-4.21129	-4.27161	-2.85692	-2.53094	-3.67756	-4.00642	-3.95067
-63	-0.911819	-3.28479	-4.2427	-4.37871	-2.98435	-2.63864	-3.69293	-4.15491	-4.2247
-62	-0.718954	-3.20416	-4.3839	-4.51331	-3.21706	-2.83588	-3.79284	-4.37531	-4.59716
-61	-0.621937	-3.1431	-4.62956	-4.7716	-3.56697	-3.13498	-3.99272	-4.67667	-5.07323
-60	-0.594538	-3.08213	-4.95014	-5.07406	-4.03674	-3.54263	-4.29976	-5.06198	-5.65383
-59	-0.594726	-2.99262	-5.28466	-5.43956	-4.61628	-4.05892	-4.71277	-5.52736	-6.33608
-58	-0.568983	-2.84367	-5.53784	-5.84343	-5.28104	-4.67875	-5.22576	-6.06134	-7.11198
-57	-0.465521	-2.60669	-5.59687	-6.23652	-5.98231	-5.38947	-5.82235	-6.64142	-7.96799
-56	-0.242744	-2.26284	-5.37727	-6.53659	-6.63608	-6.15874	-6.47296	-7.24284	-8.87518
-55	0.116066	-1.80689	-4.86857	-6.64145	-7.13084	-6.93448	-7.13595	-7.82571	-9.7704
-54	0.598827	-1.24963	-4.14605	-6.4614	-7.34504	-7.61759	-7.7462	-8.33136	-10.5405
-53	1.16479	-0.618077	-3.31268	-5.97559	-7.21317	-8.07603	-8.22356	-8.69331	-11.0248
-52	1.76469	0.0543784	-2.45833	-5.24076	-6.76357	-8.17927	-8.49339	-8.84537	-11.0833
-51	2.36294	0.730466	-1.64223	-4.36872	-6.09791	-7.88233	-8.52233	-8.76856	-10.7236
-50	2.90975	1.37769	-0.890859	-3.45632	-5.32234	-7.25948	-8.33245	-8.50273	-10.0956
-49	3.37908	1.96781	-0.215353	-2.57665	-4.51908	-6.44327	-7.98929	-8.12889	-9.3707
-48	3.75819	2.49155	0.387289	-1.76309	-3.72568	-5.55069	-7.54827	-7.72226	-8.68065
-47	4.05233	2.92655	0.926272	-1.02816	-2.95845	-4.64805	-6.74082	-7.32023	-8.07173
-46	4.2565	3.28407	1.41508	-0.365515	-2.21729	-3.75968	-6.46144	-6.91936	-7.55104
-45	4.38842	3.56487	1.86636	0.236234	-1.4977	-2.88804	-5.78565	-6.47477	-7.08059
-44	4.47409	3.79693	2.29048	0.797936	-0.793116	-2.02789	-4.99765	-5.92933	-6.60133
-43	4.54187	3.98538	2.69689	1.33691	-0.0993746	-1.17101	-4.09805	-5.2354	-6.04607
-42	4.61035	4.16176	3.09356	1.86916	0.586167	-0.31718	-3.11422	-4.38001	-5.35496
-41	4.70325	4.34492	3.47657	2.40615	1.26096	0.530133	-2.08644	-3.38717	-4.50628
-40	4.82906	4.55247	3.85028	2.94227	1.92337	1.36359	-1.05509	-2.31058	-3.51929
-39	5.00117	4.78953	4.21355	3.48101	2.56464	2.163	-0.0549185	-1.20661	-2.44747
-38	5.20235	5.05459	4.5601	4.00993	3.17538	2.92825	0.889248	-0.127539	-1.35868
-37	5.42598	5.33941	4.88377	4.50177	3.74224	3.6311	1.75456	0.889072	-0.312177
-36	5.66347	5.62636	5.1752	4.95642	4.26021	4.27642	2.52315	1.81702	0.651321
-35	5.89226	5.8945	5.43941	5.34641	4.71284	4.83829	3.21174	2.64576	1.51198
-34	6.10248	6.12946	5.66536	5.67101	5.09468	5.32067	3.80361	3.3653	2.25297
-33	6.28216	6.32254	5.85214	5.92632	5.40992	5.72297	4.29672	3.98007	2.88954
-32	6.43206	6.46487	6.00502	6.11449	5.65585	6.04983	4.70844	4.49898	3.42646
-31	6.55163	6.55666	6.12158	6.23887	5.83826	6.31056	5.04486	4.93967	3.88478
-30	6.64136	6.61637	6.21332	6.31625	5.97196	6.51405	5.32146	5.30928	4.28723
-29	6.71129	6.65744	6.29166	6.3677	6.06372	6.68031	5.55186	5.62699	4.65353
-28	6.76881	6.69663	6.36766	6.40969	6.12919	6.82013	5.75314	5.90601	5.00753
-27	6.81782	6.7483	6.45061	6.46117	6.18484	6.95021	5.93248	6.1667	5.36149
-26	6.86887	6.82242	6.55507	6.53657	6.24299	7.08023	6.11197	6.41179	5.722
-25	6.92604	6.92293	6.68362	6.64689	6.315	7.21876	6.28877	6.656	6.08896
-24	6.99377	7.04894	6.83626	6.78769	6.40998	7.37098	6.47583	6.89685	6.46007
-23	7.07596	7.18409	7.01191	6.95844	6.52145	7.52379	6.67003	7.14234	6.82701
-22	7.17222	7.32582	7.2036	7.14641	6.64752	7.68158	6.8765	7.38274	7.17622
-21	7.27951	7.45797	7.39573	7.3379	6.78532	7.82908	7.07813	7.61058	7.49871
-20	7.39502	7.5741	7.57837	7.52117	6.91883	7.9554	7.2715	7.81934	7.7899
-19	7.50889	7.66281	7.73792	7.69171	7.04217	8.06077	7.44622	8.00122	8.046+00
-18	7.62E+00	7.7321	7.87003	7.84523	7.15E+00	8.13794	7.59E+00	8.15E+00	8.24E+00
-17	7.72E+00	7.77259	7.96973	7.97336	7.24E+00	8.19E+00	7.71E+00	8.27E+00	8.41E+00
-16	7.81E+00	7.79299	8.0331	8.07758	7.31E+00	8.22E+00	7.79E+00	8.35E+00	8.53E+00
-15	7.86989	7.79399	8.06745	8.15839	7.36E+00	8.23E+00	7.85E+00	8.41E+00	8.63E+00
-14	7.91136	7.77854	8.07321	8.21791	7.40E+00	8.23E+00	7.87E+00	8.44E+00	8.71E+00
-13	7.93909	7.74699	8.06118	8.25622	7.44E+00	8.23E+00	7.88E+00	8.45E+00	8.76369
-12	7.95227	7.70212	8.03494	8.2719	7.46817	8.22E+00	7.87E+00	8.46E+00	8.8174
-11	7.96389	7.64641	8.00776	8.26649	7.49584	8.20E+00	7.86E+00	8.46E+00	8.87068
-10	7.97305	7.58959	7.98189	8.24186	7.52105	8.18741	7.84E+00	8.46E+00	8.92642
-9	7.99556	7.53584	7.96548	8.20142	7.54518	8.16858	7.82444	8.47E+00	8.98051
-8	8.03634	7.50396	7.96313	8.15476	7.56587	8.14348	7.81117	8.49E+00	9.03377
-7	8.10384	7.50761	7.98062	8.113	7.5922	8.11394	7.80388	8.50614	9.08615
-6	8.20392	7.55853	8.01651	8.07849	7.6165	8.0849	7.80052	8.53175	9.12985
-5	8.33374	7.67008	8.07123	8.07043	7.64626	8.06144	7.80505	8.56349	9.16684
-4	8.48826	7.83417	8.14285	8.08979	7.68316	8.0461	7.81333	8.5958	9.19262
-3	8.65344	8.03997	8.2329	8.14224	7.72558	8.05052	7.82942	8.62932	9.20655
-2	8.82042	8.27188	8.33322	8.22453	7.779	8.07741	7.84999	8.66026	9.21165
-1	8.97453	8.51118	8.44212	8.33035	7.83848	8.12513	7.87437	8.69085	9.20845
0	9.10511	8.71382	8.55152	8.44905	7.90381	8.19112	7.90219	8.71614	9.19742
1	9.20298	8.91745	8.65422	8.56936	7.96888	8.26638	7.93331	8.7374	9.1776
2	9.26062	9.0617	8.74559	8.67447	8.02729	8.33949	7.96174	8.74711	9.14592
3	9.28419	9.15348	8.82374	8.76186	8.07105	8.39951	7.98074	8.74096	9.10111
4	9.27047	9.20171	8.87907	8.81823	8.09251	8.4404	7.98734	8.7135	9.03626
5	9.23553	9.21106	8.91935	8.84855	8.09929	8.45249	7.97271	8.66473	8.94756
6	9.18594	9.18892	8.93888	8.84852	8.0768	8.43991	7.93767	8.5941	8.83149
7	9.13459	9.15464	8.94429	8.82729	8.03318	8.40E+00	7.88E+00	8.50E+00	8.69639
8	9.09661	9.11766	8.94274	8.79587	7.97019	8.35E+00	7.81E+00	8.38E+00	8.53957
9	9.07116	9.08902	8.94326	8.76173	7.90317	8.29E+00	7.72E+00	8.26E+00	8.36723
10	9.06786	9.07881	8.94825	8.74207	7.84463	8.23E+00	7.63E+00	8.13E+00	8.19236
11	9.08422	9.09509	8.97396	8.73775	7.80306	8.20E+00	7.56E+00	8.02E+00	8.02126
12	9.11136	9.13125	9.01829	8.75863	7.79455	8.19E+00	7.51E+00	7.92E+00	7.86458
13	9.15018	9.18833	9.08599	8.80444	7.8189	8.21E+00	7.48E+00	7.85E+00	7.73E+00
14	9.19166	9.2553	9.16768	8.86477	7.86881	8.24E+00	7.48E+00	7.80E+00	7.63E+00
15	9.22413	9.31943	9.25741	8.93363	7.93272	8.29E+00	7.50E+00	7.76E+00	7.55E+00
16	9.24E+00	9.37048	9.33587	8.99373	7.99227	8.33E+00	7.53E+00	7.7172	7.48E+00
17	9.23E+00	9.39453	9.3876	9.03236	8.03455	8.34873	7.54282	7.66653	7.40852
18	9.18E+00	9.38565	9.40448	9.04247	8.03907	8.33532	7.52687	7.59232	7.31516
19	9.09E+00	9.34018	9.3762	9.01152	7.99257	8.28054	7.46912	7.48503	7.18333
20	8.95E+00	9.25689	9.29238	8.93914	7.89212	8.18216	7.36121	7.34025	7.00801
21	8.76575	9.13382	9.16062	8.82413	7.73307	8.03974	7.20055	7.15903	6.77338
22	8.54417	8.98261	8.98158	8.67075	7.52167	7.8514	6.99057	6.94196	6.48718
23	8.28994	8.80303	8.76667	8.48627	7.26633	7.62891	6.7392	6.69299	6.15485
24	8.01114	8.60766	8.53072	8.27817	6.97415	7.37677	6.45448	6.42289	5.78254
25	7.72042	8.39787	8.28502	8.05485	6.66589	7.1049	6.15669	6.14016	5.39023
26	7.42956	8.18276	8.04832	7.82704	6.35418	6.81002	5.85315	5.84434	4.9887
27	7.1527	7.96282	7.82961	7.59344	6.05496	6.50168	5.55314	5.54022	4.59099
28	6.89184	7.73501	7.62979	7.36114	5.77139	6.18017	5.26741	5.23412	4.215
29	6.64155	7.49141	7.44426	7.12139	5.50532	5.83113	4.98515	4.91091	3.85765
30	6.38812	7.22628	7.25983	6.87116	5.24505	5.45556	4.69191	4.5762	3.5215
31	6.11803	6.92476	7.06296	6.60711	4.97433	5.04568	4.38076	4.21013	3.18214
32	5.81328	6.58058	6.83465	6.31438	4.67531	4.58437	4.02602	3.80793	2.82132
33	5.45327	6.18643	6.55494	5.98494	4.32933	4.07308	3.60577	3.36034	2.41929
34	5.03525	5.73346	6.21134	5.61966	3.91801	3.49825	3.114		

45	-0.796762	0.102618	0.409472	-1.02187	-5.56416	-6.73159	-6.07546	-5.97829	-7.99696
46	-1.11261	0.503344	0.843391	-1.65191	-6.54251	-7.01159	-6.12869	-6.27538	-8.18349
47	-1.36802	0.881818	-1.21121	-2.21354	-7.36716	-6.85273	-5.86639	-6.22153	-8.00674
48	-1.56498	-1.23261	-1.5223	-2.68855	-7.9511	-6.39124	-5.39921	-5.89266	-7.54005
49	-1.71485	-1.55071	-1.78987	-3.06869	-8.2321	-5.79826	-4.84165	-5.40248	-6.89233
50	-1.83776	-1.82891	-2.02092	-3.35071	-8.20695	-5.19514	-4.28217	-4.85776	-6.17167
51	-1.93869	-2.05876	-2.22165	-3.53722	-7.94532	-4.6467	-3.77173	-4.32379	-5.46326
52	-2.03942	-2.23135	-2.394	-3.63028	-7.54167	-4.17555	-3.33782	-3.83484	-4.82415
53	-2.13447	-2.3434	-2.53194	-3.6343	-7.0738	-3.78489	-2.98371	-3.40093	-4.28307
54	-2.21387	-2.39503	-2.62428	-3.55604	-6.60321	-3.46466	-2.70386	-3.02431	-3.84845
55	-2.26919	-2.39317	-2.66662	-3.40971	-6.15443	-3.20408	-2.48769	-2.69853	-3.51371
56	-2.29045	-2.34952	-2.65311	-3.20924	-5.74142	-2.99158	-2.32349	-2.41977	-3.2614
57	-2.274	-2.27603	-2.59144	-2.97422	-5.36573	-2.81915	-2.20078	-2.18365	-3.07131
58	-2.22293	-2.18537	-2.4945	-2.72412	-5.02479	-2.67892	-2.11234	-1.9922	-2.92511
59	-2.14224	-2.09015	-2.37838	-2.4752	-4.71424	-2.567	-2.05281	-1.84669	-2.80745
60	-2.04189	-2.0025	-2.26198	-2.24701	-4.43778	-2.48089	-2.02174	-1.75092	-2.70834
61	-1.93789	-1.93604	-2.16257	-2.05412	-4.19921	-2.42008	-2.02019	-1.70585	-2.62884
62	-1.84914	-1.89978	-2.09367	-1.91133	-4.0117	-2.38848	-2.05505	-1.71879	-2.57697
63	-1.79494	-1.907	-2.07067	-1.83282	-3.88848	-2.39461	-2.13392	-1.79232	-2.56853
64	-1.79042	-1.96357	-2.10418	-1.82703	-3.84412	-2.44803	-2.26967	-1.94552	-2.62317
65	-1.84976	-2.07251	-2.20395	-1.89858	-3.88581	-2.5603	-2.47462	-2.14879	-2.75998
66	-1.97851	-2.22932	-2.3734	-2.04981	-4.01404	-2.73846	-2.75715	-2.44045	-2.99325
67	-2.1768	-2.4275	-2.60891	-2.27496	-4.21952	-2.98562	-3.11892	-2.8081	-3.3296
68	-2.44323	-2.65906	-2.90114	-2.56313	-4.48629	-3.29492	-3.55256	-3.24431	-3.75889
69	-2.76938	-2.91291	-3.23843	-2.89944	-4.78309	-3.65352	-4.03704	-3.73545	-4.26039
70	-3.14248	-3.17957	-3.59976	-3.26246	-5.08211	-4.04275	-4.54329	-4.26333	-4.79785
71	-3.53982	-3.45204	-3.96962	-3.63067	-5.34799	-4.43671	-5.03622	-4.80214	-5.33079
72	-3.92815	-3.72033	-4.33582	-3.97978	-5.55524	-4.80804	-5.48373	-5.32748	-5.8193
73	-4.26232	-3.97539	-4.68702	-4.29234	-5.69332	-5.13002	-5.86772	-5.8145	-6.23199
74	-4.49604	-4.20465	-5.01308	-4.55102	-5.76337	-5.38231	-6.18058	-6.24038	-6.55132
75	-4.59883	-4.40268	-5.30419	-4.75273	-5.77809	-5.54625	-6.4232	-6.58181	-6.77089
76	-4.5667	-4.5629	-5.54567	-4.90702	-5.76422	-5.62113	-6.59749	-6.83622	-6.89714
77	-4.4247	-4.68286	-5.72597	-5.02748	-5.74801	-5.62557	-6.70691	-6.97134	-6.94236
78	-4.22416	-4.76821	-5.84081	-5.1389	-5.7556	-5.58789	-6.75981	-7.03648	-6.93988
79	-4.02383	-4.82687	-5.89962	-5.26345	-5.80586	-5.5461	-6.77815	-7.05049	-6.9252
80	-3.87382	-4.87375	-5.91653	-5.41673	-5.90898	-5.53264	-6.78926	-7.05319	-6.93313
81	-3.81599	-4.92184	-5.91727	-5.61108	-6.07112	-5.57435	-6.81809	-7.07904	-6.98911
82	-3.87086	-4.98953	-5.92001	-5.84944	-6.28357	-5.67571	-6.8885	-7.14698	-7.10013
83	-4.04326	-5.08663	-5.94339	-6.12691	-6.53871	-5.83045	-7.00371	-7.25717	-7.25591
84	-4.31834	-5.22117	-5.9941	-6.43537	-6.822	-6.01725	-7.15584	-7.4041	-7.4422
85	-4.65885	-5.38776	-6.07696	-6.75543	-7.12066	-6.20146	-7.31945	-7.56377	-7.64251
86	-5.01621	-5.569	-6.19003	-7.06972	-7.41533	-6.34915	-7.4657	-7.71292	-7.84871
87	-5.33328	-5.7368	-6.32039	-7.35474	-7.69394	-6.4396	-7.57421	-7.83266	-8.06049
88	-5.56654	-5.85366	-6.45574	-7.58508	-7.93636	-6.46172	-7.63089	-7.90783	-8.27361
89	-5.68978	-5.89287	-6.57522	-7.74253	-8.12701	-6.42667	-7.6391	-7.93286	-8.48397
90	-5.70695	-5.84878	-6.65745	-7.82463	-8.24948	-6.35535	-7.60636	-7.90469	-8.67047
91	-5.63814	-5.74315	-6.69668	-7.83874	-8.30059	-6.27133	-7.54485	-7.83312	-8.81553
92	-5.51088	-5.6145	-6.69348	-7.80458	-8.28044	-6.19569	-7.46357	-7.72833	-8.90909
93	-5.35955	-5.51252	-6.66772	-7.74904	-8.20414	-6.14756	-7.37528	-7.60843	-8.96222
94	-5.21364	-5.47364	-6.63944	-7.69443	-8.09685	-6.1384	-7.29171	-7.49344	-9.00267
95	-5.09568	-5.3229	-6.62839	-7.65417	-7.9884	-6.17431	-7.22376	-7.39835	-9.06036
96	-5.02007	-5.67082	-6.65096	-7.6392	-7.90263	-6.2554	-7.18205	-7.3341	-9.16011
97	-4.98952	-5.90755	-6.70972	-7.65485	-7.86652	-6.38004	-7.17421	-7.3102	-9.31564
98	-5.00071	-6.20643	-6.79521	-7.69653	-7.88906	-6.53852	-7.19952	-7.32153	-9.51838
99	-5.04502	-6.53395	-6.89607	-7.75649	-7.96958	-6.71707	-7.25164	-7.36153	-9.74685
100	-5.1187	-6.84341	-6.99303	-7.81672	-8.09561	-6.89918	-7.31678	-7.41719	-9.96034
101	-5.215	-7.09161	-7.06362	-7.85363	-8.23847	-7.06639	-7.37384	-7.46873	-10.1089
102	-5.34113	-7.25129	-7.08631	-7.84275	-8.36259	-7.203	-7.40702	-7.49699	-10.1345
103	-5.49664	-7.31195	-7.04691	-7.76934	-8.43092	-7.29172	-7.39914	-7.48546	-10.0167
104	-5.67894	-7.28496	-6.94546	-7.63203	-8.42326	-7.32828	-7.34775	-7.42297	-9.77144
105	-5.88608	-7.19461	-6.79717	-7.45045	-8.34431	-7.31047	-7.25983	-7.30987	-9.44966
106	-6.10787	-7.07805	-6.62919	-7.25763	-8.22128	-7.25108	-7.15197	-7.15784	-9.11646
107	-6.33572	-6.96069	-6.47715	-7.08313	-8.09326	-7.16689	-7.05017	-6.99432	-8.82948
108	-6.55946	-6.86845	-6.37092	-6.95401	-7.99776	-7.08053	-6.9797	-6.84815	-8.62283
109	-6.77529	-6.81178	-6.3297	-6.88365	-7.9656	-7.01956	-6.96016	-6.74691	-8.51172
110	-6.97106	-6.79504	-6.36277	-6.8774	-8.00936	-7.00361	-7.00736	-6.71093	-8.48361
111	-7.14526	-6.81363	-6.46871	-6.92639	-8.13253	-7.04574	-7.13009	-6.75601	-8.5209
112	-7.29404	-6.85927	-6.64126	-7.01859	-8.32212	-7.15153	-7.32328	-6.88689	-8.60026
113	-7.42647	-6.9214	-6.85764	-7.14161	-8.55782	-7.31214	-7.58345	-7.10257	-8.69944
114	-7.5543	-6.9983	-7.10579	-7.27607	-8.81094	-7.51507	-7.89038	-7.39478	-8.80186
115	-7.69012	-7.0845	-7.36639	-7.40518	-9.05703	-7.74779	-8.23012	-7.74738	-8.90913
116	-7.84223	-7.18408	-7.62308	-7.51453	-9.27999	-7.98748	-8.57746	-8.13924	-9.0256
117	-8.0159	-7.29673	-7.86022	-7.60291	-9.47328	-8.22154	-8.91188	-8.5478	-9.16843
118	-8.20662	-7.42681	-8.0668	-7.67068	-9.64366	-8.43436	-9.21754	-8.95267	-9.34885
119	-8.41092	-7.57147	-8.23889	-7.73908	-9.80708	-8.62291	-9.4878	-9.33791	-9.58717
120	-8.62026	-7.73012	-8.37958	-7.83238	-9.98467	-8.78323	-9.72481	-9.70574	-9.89232
121	-8.83222	-7.89866	-8.50249	-7.97437	-10.1889	-8.91922	-9.94527	-10.0636	-10.2681
122	-9.04291	-8.08174	-8.63205	-8.18669	-10.4347	-9.05333	-10.1668	-10.4386	-10.7067
123	-9.25297	-8.28469	-8.79258	-8.48112	-10.7321	-9.21286	-10.401	-10.8489	-11.1977
124	-9.46251	-8.52195	-9.00246	-8.85927	-11.0884	-9.42231	-10.6572	-11.3107	-11.7178
125	-9.68571	-8.80964	-9.27811	-9.31087	-11.5078	-9.70989	-10.9295	-11.8195	-12.2386
126	-9.94087	-9.16804	-9.62076	-9.8155	-11.994	-10.0956	-11.21	-12.3392	-12.7402
127	-10.2485	-9.62526	-10.0296	-10.3552	-12.5407	-10.5835	-11.4837	-12.8116	-13.1753
128	-10.6339	-10.2058	-10.4953	-10.9054	-13.1442	-11.1645	-11.7466	-13.1541	-13.5035
129	-11.1272	-10.9335	-10.9974	-11.4547	-13.7894	-11.8124	-11.9959	-13.3092	-13.6596
130	-11.7429	-11.8155	-11.5059	-11.9875	-14.463	-12.4953	-12.2282	-13.2748	-13.5929
131	-12.4746	-12.8197	-11.9767	-12.4949	-15.1373	-13.1557	-12.4372	-13.107	-13.2952
132	-13.2796	-13.8749	-12.3355	-12.9531	-15.7693	-13.72	-12.6043	-12.8961	-12.8069
133	-13.9997	-14.8193	-12.5134	-13.3395	-16.2627	-14.0912	-12.7084	-12.7214	-12.2177
134	-14.3706	-15.4314	-12.4502	-13.6166	-16.4839	-14.1798	-12.7426	-12.6336	-11.6111
135	-14.1522	-15.5618	-12.1674	-13.7481	-16.342	-13.9592	-12.7146	-12.6618	-11.073
136	-13.4001	-15.2571	-11.7476	-13.7184	-15.8714	-13.4953	-12.6655	-12.8165	-10.6705
137	-12.4192	-14.7092	-11.2928	-13.5467	-15.2428	-12.9204	-12.6391	-13.0851	-10.4476
138	-11.495	-14.1023	-10.8964	-13.2698	-14.6326	-12.3624	-12.6777	-13.4523	-10.4394
139	-10.7856	-13.5478	-10.6131	-12.9592	-14.1686	-11.91	-12.8137	-13.8987	-10.665
140	-10.3406	-13.1082	-10.4742	-12.6638	-13.9142	-11.6142	-13.0589	-14.4068	-11.1254
141	-10.1582	-12.8035	-10.4859	-12.4305	-13.8756	-11.4937	-13.4196	-14.9721	-11.8359
142	-10.2044	-12.6461	-10.6402	-12.2726	-14.0322	-11.5457	-13.8938	-15.5946	-12.732
143	-10.4251	-12.6318	-10.9212	-12.1968	-14.3319	-11.7689	-14.502	-16.2913	-13.7619
144	-10.749	-12.7543	-11.3189	-12.1783	-14.715	-12.1395	-15.2746	-17.0591	-14.8579
145	-11.0985	-12.9912	-11.8114	-12.1968	-15.098	-12.6331	-16.239	-17.8673	-15.9804
146	-11.4225	-13.3225	-12.3765	-12.2312	-15.4302	-13.2128	-17.4168	-18.611	-17.1488
147	-11.6901	-13.707	-12.9888	-12.2756	-15.6468	-13.8136	-18.7282	-19.0749	-18.4447
148	-11.9345	-14.1052							

158	-10.5043	-13.4013	-14.1457	-9.84591	-9.644	-9.61041	-9.79063	-9.77389	-9.25635
159	-10.1789	-12.7046	-14.0136	-9.93144	-9.31837	-9.55776	-9.71064	-9.97729	-9.23544
160	-10.3325	-12.3863	-14.1301	-10.4006	-9.26151	-9.9284	-10.0028	-10.4547	-9.57958
161	-10.9564	-12.5211	-14.4975	-11.2815	-9.51218	-10.7218	-10.6904	-11.1879	-10.2414
162	-11.9866	-13.1224	-15.0396	-12.5712	-10.0919	-11.8973	-11.7542	-12.1352	-11.0853
163	-13.2505	-14.0893	-15.611	-14.151	-11.0009	-13.3271	-13.0429	-13.2087	-11.8372
164	-14.3861	-15.0315	-16.0632	-15.6262	-12.1649	-14.7745	-14.0985	-14.2599	-12.1716
165	-14.9949	-15.2108	-16.399	-16.3037	-13.354	-15.9932	-14.272	-15.0764	-12.0209
166	-15.0781	-14.3361	-16.8133	-15.972	-14.1287	-17.0631	-13.5238	-15.4527	-11.6892
167	-15.0437	-13.0374	-17.555	-15.2529	-14.1002	-18.4059	-12.4885	-15.2905	-11.5304
168	-15.2414	-11.9463	-18.6882	-14.74	-13.4041	-20.4921	-11.6874	-14.6517	-11.7612
169	-15.7832	-11.3136	-19.5382	-14.6624	-12.5023	-22.6468	-11.3185	-13.6914	-12.4609
170	-16.4895	-11.1773	-18.4944	-15.0719	-11.683	-21.0735	-11.4343	-12.5949	-13.559
171	-16.9031	-11.4984	-15.8534	-15.9265	-11.0383	-17.244	-12.0425	-11.5255	-14.7465
172	-16.6005	-12.1538	-13.2359	-17.123	-10.5649	-14.2014	-13.1288	-10.6011	-15.4536
173	-15.7325	-12.8828	-11.213	-18.4482	-10.2358	-12.1849	-14.6411	-9.89041	-15.3661
174	-14.7708	-13.3194	-9.82639	-19.5639	-10.0387	-11.0123	-16.4259	-9.43051	-14.9214
175	-13.9899	-13.2149	-9.01898	-20.1049	-9.99302	-10.5435	-18.1097	-9.22614	-14.6932
176	-13.3924	-12.6933	-8.7286	-19.8133	-10.1427	-10.6687	-19.1481	-9.26272	-14.8987
177	-12.8331	-12.0722	-8.8992	-18.6442	-10.545	-11.2482	-19.2736	-9.51392	-15.362
178	-12.1448	-11.5513	-9.45848	-16.859	-11.2621	-11.9849	-18.6853	-9.92624	-15.4073
179	-11.2792	-11.1816	-10.2854	-14.891	-12.3458	-12.3925	-17.6365	-10.4413	-14.3732
Max Gain	9.284	9.395	9.404	9.042	8.099	8.452	7.987	8.747	9.212
30Dragee Max Gal	6.769	7.794	8.073	8.256	6.243	7.080	5.932	5.627	3.858

158	-11.954	-13.6027	-17.1209	-8.78353	-12.3641	-7.33449	-9.65897	-9.6462	-6.44291
159	-12.0819	-12.6786	-17.356	-8.91783	-11.9407	-7.68778	-10.1756	-10.2573	-6.45459
160	-12.3833	-11.9085	-16.8078	-9.39656	-11.6132	-8.43425	-10.9977	-10.9761	-6.92277
161	-12.9371	-11.3179	-15.9264	-10.264	-11.3415	-9.55231	-12.021	-11.2742	-7.81248
162	-13.8048	-10.9523	-14.8601	-11.6098	-11.0939	-10.923	-13.0442	-10.7885	-8.96369
163	-15.0363	-10.8911	-13.6015	-13.5895	-10.9427	-12.226	-13.8332	-9.86501	-10.0341
164	-16.5631	-11.2154	-12.267	-16.3341	-11.0363	-12.9304	-14.2721	-9.05249	-10.6461
165	-17.7471	-11.9969	-11.0542	-19.146	-11.5491	-12.7638	-14.453	-8.62833	-10.7637
166	-17.3201	-13.2511	-10.1619	-18.733	-12.6043	-12.0657	-14.5099	-8.61018	-10.7164
167	-15.4949	-14.8384	-9.71973	-15.8009	-14.151	-11.2928	-14.4616	-8.83246	-10.8074
168	-13.657	-16.2204	-9.81677	-13.3275	-15.6286	-10.6829	-14.2713	-9.02069	-11.1497
169	-12.4588	-16.5918	-10.537	-11.7434	-15.8042	-10.2929	-13.9507	-8.97527	-11.7512
170	-12.0332	-15.9531	-11.9732	-10.8976	-14.5746	-10.1249	-13.5632	-8.78049	-12.5645
171	-12.4099	-15.0123	-14.2129	-10.6325	-13.1032	-10.1424	-13.1333	-8.7224	-13.426
172	-13.5585	-14.128	-17.102	-10.7733	-11.9643	-10.299	-12.5883	-9.05549	-13.899
173	-15.2756	-13.2713	-19.1684	-11.1067	-11.1501	-10.5501	-11.8393	-9.91138	-13.4653
174	-16.7924	-12.3484	-18.4559	-11.3968	-10.4921	-10.8517	-10.9396	-11.2486	-12.3016
175	-17.0289	-11.4252	-16.7966	-11.4995	-9.86657	-11.2011	-10.072	-12.734	-11.1038
176	-16.3382	-10.6624	-15.6486	-11.4879	-9.27521	-11.6356	-9.44371	-13.681	-10.3677
177	-15.7848	-10.2097	-14.9701	-11.5693	-8.80915	-12.2119	-9.18025	-13.7242	-10.3011
178	-15.604	-10.1338	-14.298	-11.9303	-8.54599	-12.9258	-9.33175	-13.3095	-11.0028
179	-15.3122	-10.4216	-13.2858	-12.6534	-8.48812	-13.6154	-9.85762	-12.8288	-12.5541
Max Gain	10.732	9.794	10.496	9.909	10.333	9.867	10.484	10.461	11.000
30Dragee Max Gal	9.105	8.708	5.567	3.979	3.902	2.637	3.729	1.935	1.722

158	-12.8666	-14.8421	-14.3656	-14.4194	-13.5785	-17.6794	-14.5511	-16.5944	-14.9835
159	-13.3427	-14.6098	-14.8221	-13.9193	-13.3721	-17.4551	-14.7334	-16.2811	-15.9802
160	-14.2345	-14.6951	-15.5551	-13.9461	-13.4184	-17.2833	-15.3939	-16.0374	-17.1717
161	-15.7624	-15.2175	-16.4814	-14.5487	-13.7384	-16.9606	-16.643	-15.825	-18.2082
162	-18.185	-16.26	-17.3329	-15.7816	-14.3372	-16.4023	-18.6481	-15.6298	-18.4598
163	-21.4402	-17.8527	-17.6859	-17.6189	-15.2366	-15.6845	-21.6394	-15.49	-17.6848
164	-22.4291	-19.7536	-17.3795	-19.5663	-16.4708	-14.9978	-25.2059	-15.4975	-16.4177
165	-19.1977	-20.8458	-16.7556	-19.9234	-18.1147	-14.5082	-25.0352	-15.7567	-15.2279
166	-16.1148	-19.8891	-16.3008	-18.1501	-20.2283	-14.3271	-21.3921	-16.4009	-14.3534
167	-14.0981	-17.8715	-16.3173	-16.0251	-22.5319	-14.5146	-18.3688	-17.5253	-13.8481
168	-12.9561	-15.9913	-16.9617	-14.4116	-23.2682	-15.1002	-16.2546	-19.0561	-13.688
169	-12.52	-14.5203	-18.3003	-13.4011	-21.0655	-16.028	-14.7917	-20.2583	-13.8154
170	-12.6677	-13.3979	-20.0534	-12.9408	-18.1018	-17.0941	-13.7893	-19.5563	-14.1508
171	-13.2986	-12.503	-20.7255	-12.9634	-15.6157	-17.7823	-13.1343	-17.2255	-14.5852
172	-14.2723	-11.7448	-18.9625	-13.415	-13.7324	-17.5303	-12.7534	-14.8197	-15.0107
173	-15.3693	-11.0879	-16.4261	-14.2466	-12.3863	-16.4606	-12.6084	-12.9168	-15.3545
174	-16.2077	-10.5521	-14.3657	-15.3929	-11.5121	-15.1822	-12.6797	-11.5592	-15.604
175	-16.3774	-10.1909	-12.953	-16.6971	-11.075	-14.103	-12.9714	-10.6949	-15.8021
176	-15.7717	-10.0577	-12.1312	-17.848	-11.0522	-13.3518	-13.482	-10.2803	-15.9588
177	-14.6538	-10.2021	-11.8262	-18.3145	-11.4383	-12.9457	-14.2059	-10.2668	-16.0333
178	-13.3792	-10.6419	-11.9716	-17.784	-12.2338	-12.8488	-15.0842	-10.6182	-15.9102
179	-12.2072	-11.3503	-12.5211	-16.5509	-13.4265	-13.0111	-15.9575	-11.2888	-15.515
Max Gain	9.398	9.540	8.924	9.084	7.590	8.302	7.946	8.779	9.109
30Dragee Max Gal	7.755	7.886	7.888	8.487	7.416	7.793	6.648	6.419	5.099