

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	-12.9969	-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	-17.7989	-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	-18.3247	-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	-11.951	-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	-12.1791	-10.5532
-78	-17.3159	-17.986	-16.463	-14.5436	-12.9887	-13.7084	-12.8775	-12.5276	-10.5</

-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	-6.13356	-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	-1.93524	-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	5.68656	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	6.86841	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	8.89818	9.28E+00	10.372
-8	8.71336	7.92572	8.51023	7.81735	9.1335	7.97008	9.18758	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	10.0622	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	4.97115	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	2.52274	2.07617	0.418626	-0.782893
35	5.62511	5.08906	5.42461	3.55143					

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	-4.54186	-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	-8.89883
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	-18.2653	-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	-10.5255
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	-14.1111						

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	-14.0347	-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	-17.778	-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	-11.149	-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	-6.04145	-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	-2.47722	-1.9833	-2.04122
-78	-1.38485	-2.13883	-2.19371	-1.97431	-1.25205	-1.44096	-2.45183		

-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	-4.54131	-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	-7.04082	-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	2.53215	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	7.1722	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	7.50989	7.66281	7.73792	7.69171	7.04217	8.06077	7.44622	8.00122	8.04E+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	8.09751	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	3.11444	2.85946	1.9441
35	4.55459	5.23216	5.79588	5.20571	3.43261	2.85566	2.		

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	-1.83376	-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	-1.93452	-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	-6.82622	-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	-11.1354
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	-13.6047	-12.3481	-15.7214	-14.3841	-19.8667	-18.981	-19.8452
149	-12.2261	-14.							

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

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	-14.3368	-10.9655	-12.0508	-13.6987	-8.57438	-13.9286	-10.597	-12.1933	-15.0183
-179	-12.8818	-11.5928	-10.9746	-14.8297	-8.71396	-13.579	-11.266	-11.2133	-18.206
-178	-11.5712	-12.1526	-10.3409	-15.6414	-8.86659	-12.7683	-11.6084	-10.0398	-20.6745
-177	-10.7609	-12.6722	-10.3056	-15.9096	-9.09829	-11.9665	-11.6535	-9.04645	-20.5618
-176	-10.5374	-13.377	-10.9587	-15.8966	-9.57335	-11.5009	-11.6739	-8.52267	-19.4074
-175	-10.851	-14.5594	-12.3656	-16.0621	-10.4823	-11.5444	-11.9223	-8.6318	-18.4678
-174	-11.5623	-16.4071	-14.4195	-16.7391	-12.0106	-12.1891	-12.4951	-9.48206	-17.7016
-173	-12.4397	-18.6028	-16.2161	-18.1255	-14.2185	-13.5103	-13.3327	-11.1873	-16.9855
-172	-13.2466	-19.2789	-15.9231	-20.3433	-16.4353	-15.5661	-14.2791	-13.8242	-16.4658
-171	-13.9056	-17.5358	-14.1635	-23.1446	-16.4539	-18.1763	-15.2	-16.9457	-16.3848
-170	-14.4771	-15.5398	-12.655	-24.5475	-14.4501	-19.9575	-16.1724	-18.1064	-16.8768
-169	-14.9237	-14.3048	-11.8754	-22.8463	-12.6491	-19.0263	-17.5269	-16.5317	-17.9846
-168	-14.9179	-13.9028	-11.7778	-20.5644	-11.7027	-16.9551	-19.7672	-14.9308	-19.6349
-167	-14.2552	-14.2108	-12.1672	-18.9451	-11.623	-15.2798	-23.5288	-14.093	-21.7474
-166	-13.2716	-15.0035	-12.6292	-17.985	-12.2632	-14.2209	-26.4979	-13.8025	-24.4224
-165	-12.4781	-15.7831	-12.6004	-17.4642	-13.1616	-13.6917	-21.7656	-13.6805	-27.8502
-164	-12.1862	-15.786	-11.8728	-17.1075	-13.2329	-13.5999	-17.2269	-13.4118	-28.6463
-163	-12.5251	-14.7791	-10.848	-16.6076	-11.8898	-13.8429	-14.1804	-12.9667	-24.2408
-162	-13.5269	-13.3337	-9.98823	-15.7775	-10.0872	-14.3249	-12.1167	-12.5608	-20.479
-161	-15.1637	-11.9731	-9.52203	-14.6964	-8.67922	-14.9175	-10.7713	-12.4332	-18.1832
-160	-17.2245	-10.8836	-9.50849	-13.6056	-7.91552	-15.4973	-10.0298	-12.7398	-17.1052
-159	-19.0121	-10.1007	-9.9377	-12.7048	-7.83118	-16.0179	-9.86087	-13.5735	-17.0954
-158	-19.4842	-9.61944	-10.7411	-12.0984	-8.42773	-16.5735	-10.2863	-14.9538	-18.0352
-157	-18.6107	-9.43496	-11.7595	-11.8115	-9.69467	-17.3132	-11.3576	-16.645	-19.4309
-156	-17.1887	-9.53867	-12.7285	-11.8144	-11.5559	-18.2622	-13.1165	-17.5558	-19.4507
-155	-15.6662	-9.2233	-13.3718	-12.0381	-13.6312	-19.0213	-15.3356	-16.3273	-17.1023
-154	-14.2479	-10.5759	-13.6488	-12.3815	-14.9042	-18.7267	-16.6086	-13.9462	-14.2997
-153	-13.0808	-11.4726	-13.8429	-12.7175	-14.6197	-17.2563	-15.3578	-11.7453	-12.0359
-152	-12.2966	-12.5741	-14.2956	-12.9643	-13.5536	-15.5322	-13.1498	-10.0865	-10.4054
-151	-11.9631	-13.7962	-15.2686	-13.0854	-12.5187	-14.1952	-13.3666	-8.99482	-9.34161
-150	-12.1193	-14.9302	-16.8986	-13.0688	-11.696	-13.4498	-10.2306	-8.45052	-8.8153
-149	-12.7155	-15.5878	-19.0365	-12.9124	-11.0554	-13.3273	-9.69868	-8.44217	-8.82932
-148	-13.5114	-15.437	-20.4051	-12.5951	-10.5877	-13.8256	-9.71276	-8.9745	-9.43023
-147	-13.9251	-14.6323	-19.303	-12.1409	-10.3398	-14.9236	-10.2582	-10.0399	-10.6875
-146	-13.3595	-13.6609	-17.1487	-11.6495	-10.386	-16.5434	-11.3403	-11.5298	-12.6002
-145	-12.056	-12.8827	-15.4316	-11.2501	-10.7819	-18.4482	-12.9201	-12.945	-14.5999
-144	-10.7005	-12.4591	-14.3821	-11.06	-11.535	-20.0196	-14.6977	-13.26	-14.7693
-143	-9.6898	-12.4167	-13.9202	-11.1586	-12.5689	-20.477	-15.6383	-12.1414	-12.7539
-142	-9.13764	-12.6936	-13.8761	-11.5654	-13.6234	-19.7347	-14.7829	-10.5216	-10.5448
-141	-9.0413	-13.1412	-14.0499	-12.2394	-14.2453	-18.3039	-13.0071	-9.06781	-8.91357
-140	-9.35528	-13.5363	-14.2331	-13.0503	-14.0925	-16.5945	-11.3588	-7.92599	-7.87206
-139	-10.0152	-13.6784	-14.3126	-13.7788	-13.3513	-14.9125	-10.1418	-7.08025	-7.3025
-138	-10.9304	-13.5767	-14.3429	-14.2385	-12.4839	-13.4721	-9.36319	-6.47431	-7.07254
-137	-11.9716	-13.4204	-14.4987	-14.4482	-11.7905	-12.4113	-8.97645	-6.09027	-7.06385
-136	-12.8952	-13.4269	-14.9665	-14.6251	-11.3906	-11.7712	-8.94306	-5.9387	-7.18255
-135	-13.3179	-13.7065	-15.8624	-15.0014	-11.3027	-11.5468	-9.23229	-6.03874	-7.35541
-134	-12.9591	-14.2628	-17.1863	-15.7121	-11.4897	-11.6434	-9.7883	-6.38645	-7.52357
-133	-12.0164	-15.0013	-18.7035	-16.7329	-11.8676	-11.8729	-10.4895	-6.9244	-7.59604
-132	-10.9955	-15.7454	-19.7425	-17.8211	-12.2869	-11.9441	-11.0543	-7.49348	-7.42234
-131	-10.2808	-16.3472	-19.6794	-18.5373	-12.5668	-11.618	-11.1155	-7.84664	-6.89018
-130	-10.0789	-16.83	-18.908	-18.6066	-12.5845	-10.9207	-10.5417	-7.78496	-6.0551
-129	-10.5121	-17.3619	-18.1734	-18.2895	-12.3855	-10.1064	-9.61763	-7.36049	-5.12244
-128	-11.6986	-18.0735	-17.7809	-18.0154	-12.1079	-9.41093	-8.71576	-6.82239	-4.30988
-127	-13.818	-18.8508	-17.68	-17.9755	-11.9139	-8.95754	-8.04859	-6.40014	-3.75756
-126	-17.0733	-19.1709	-17.5958	-18.0929	-11.8795	-8.77898	-7.69131	-6.20964	-3.53021
-125	-20.8773	-18.4866	-17.2093	-18.0965	-12.0069	-8.86034	-7.64123	-6.2879	-3.64073
-124	-20.9522	-17.0659	-16.4264	-17.7057	-12.2305	-9.16278	-7.85953	-6.60895	-4.05925
-123	-18.1977	-15.5694	-15.4478	-16.9166	-12.4648	-9.62655	-8.27228	-7.09891	-4.70375
-122	-16.2986	-14.3675	-14.5412	-16.0069	-12.6505	-10.1954	-8.7886	-7.63467	-5.43268
-121	-15.4786	-13.5405	-13.8612	-15.2198	-12.8103	-10.8034	-9.28859	-8.05671	-6.05169
-120	-15.4874	-13.068	-13.441	-14.6843	-13.0288	-11.3771	-9.64006	-8.2136	-6.38449
-119	-16.0491	-12.8881	-13.2448	-14.4267	-13.3944	-11.8326	-9.74104	-8.05384	-6.39254
-118	-16.8221	-12.9337	-13.1847	-14.4035	-13.9342	-12.0754	-9.55367	-7.6395	-6.18097
-117	-17.3504	-13.1283	-13.1592	-14.5475	-14.5566	-12.0393	-9.12749	-7.10441	-5.90088
-116	-17.2985	-13.3923	-13.0854	-14.7617	-15.0396	-11.7497	-8.5748	-6.56559	-5.66869
-115	-16.7745	-13.6546	-12.9378	-14.9512	-15.1746	-11.3164	-8.02216	-6.10007	-5.54452
-114	-16.1172	-13.8494	-12.7561	-15.0382	-14.9477	-10.8583	-7.56031	-5.7588	-5.5495
-113	-15.5773	-13.9553	-12.6048	-15.0058	-14.5639	-10.4754	-7.25488	-5.56518	-5.66808
-112	-15.2349	-13.9777	-12.5403	-14.8834	-14.2322	-10.2211	-7.13096	-5.53202	-5.86378
-111	-15.0844	-13.9462	-12.5829	-14.7196	-14.053	-10.1046	-7.19248	-5.65434	-6.08473
-110	-15.0713	-13.9076	-12.7269	-14.5537	-14.0198	-10.1213	-7.41833	-5.90765	-6.27876
-109	-15.1294	-13.9201	-12.9333	-14.4038	-14.0876	-10.2447	-7.77056	-6.24247	-6.42115
-108	-15.2004	-14.0246	-13.1597	-14.2699	-14.1972	-10.4464	-8.19508	-6.58265	-6.51202
-107	-15.2429	-14.2378	-13.3635	-14.1518	-14.2892	-10.6901	-8.62968	-6.85419	-6.5719
-106	-15.248	-14.5528	-13.5353	-14.054	-14.3254	-10.9358	-9.02027	-7.00686	-6.61558
-105	-15.2188	-14.9206	-13.6808	-13.9799	-14.2584	-11.1402	-9.33331	-7.04092	-6.64708
-104	-15.169	-15.2459	-13.8169	-13.9381	-14.0669	-11.2608	-9.56021	-6.99756	-6.65182
-103	-15.1146	-15.4402	-13.9566	-13.9244	-13.7603	-11.2682	-9.70444	-6.92834	-6.61044
-102	-15.0753	-15.4565	-14.107	-13.9274	-13.3811	-11.1484	-9.77695	-6.8698	-6.50077
-101	-15.0636	-15.3399	-14.2546	-13.9347	-12.9919	-10.9279	-9.77078	-6.83126	-6.31214
-100	-15.073	-15.1819	-14.3852	-13.9404	-12.6411	-10.6544	-9.67785	-6.81413	-6.05309
-99	-15.0976	-15.0671	-14.4821	-13.9369	-12.3588	-10.3775	-9.50321	-6.8116	-5.76893
-98	-15.1277	-15.0337	-14.539	-13.9266	-12.1562	-10.1465	-9.27432	-6.82476	-5.5232
-97	-15.195	-15.0966	-14.5656	-13.9149	-12.0477	-9.99663	-9.04048	-6.86295	-5.38124
-96	-15.3318	-15.2383	-14.5894	-13.9159	-12.0372	-9.94796	-8.85372	-6.94693	-5.39478
-95	-15.5769	-15.4399	-14.658	-13.9407	-12.1255	-10.0011	-8.7566	-7.09687	-5.59122
-94	-15.9115	-15.6461	-14.806	-14.017	-12.2939	-10.1541	-8.78706	-7.33408	-5.97584
-93	-16.2834	-15.832	-15.0797	-14.1683	-12.5205	-10.3911	-8.95293	-7.67173	-6.53242
-92	-16.6061	-15.9556	-15.5038	-14.4081	-12.7786	-10.6918	-9.25187	-8.1077	-7.22823
-91	-16.8416	-16.0393	-16.0836	-14.7263	-13.0437	-11.0393	-9.65627	-8.62751	-8.01355
-90	-17.0108	-16.1622	-16.7875	-15.0767	-13.3072	-11.418	-10.1271	-9.20729	-8.81365
-89	-17.1743	-16.448	-17.5238	-15.3816	-13.559	-11.8187	-10.6015	-9.80133	-9.54564
-88	-17.3627	-17.0167	-18.1409	-15.5723	-13.7823	-12.2256	-11.015	-10.3541	-10.133
-87	-17.5265	-17.9531	-18.4992	-15.6233	-13.9506	-12.6231	-11.3182	-10.811	-10.5559
-86	-17.6188	-19.3084	-18.6017	-15.5624	-14.05	-12.9675	-11.4954	-11.1254	-10.8518
-85	-17.6192	-20.9959	-18.6166	-15.4623	-14.1015	-13.2236	-11.5831	-11.301	-11.0881
-84	-17.6116	-22.7036	-18.7568	-15.4007	-14.123	-13.3508	-11.6533	-11.399	-11.3168
-83	-17.7062	-23.7561	-19.1622	-15.4413	-14.1443	-13.36	-11.7963	-11.5037	-11.5719
-82	-17.9511	-23.5905	-19.8486	-15.6219	-14.1718	-13.2779	-12.0801	-11.6942	-11.8684
-81	-18.3116	-22.465	-20.6567	-15.9587	-14.2115	-13.1706	-12.5492	-12.0126	-12.2264
-80	-18.6765	-20.9867	-21.2481	-16.4162	-14.2591	-13.0862	-13.2067	-12.4623	-12.6634
-79	-18.8949	-19.5687	-21.324	-16.9165	-14.3091	-13.0787	-14.0059	-13.0218	-13.1487
-78	-18.9537	-18.4482	-20.9755	-17.3033	-14.3556	-13.1676	-14.8472		

-68	-17.48	-22.4903	-20.4644	-17.6956	-13.0446	-12.8874	-14.637	-13.7555	-12.9139
-67	-17.6331	-20.3854	-20.1776	-17.7736	-12.9663	-12.4637	-13.9955	-13.4029	-12.4543
-66	-17.5299	-18.579	-18.8569	-17.4824	-12.9198	-12.2225	-13.303	-13.0429	-12.1872
-65	-17.2051	-17.0833	-17.1792	-16.8154	-12.8682	-12.1664	-12.6468	-12.7152	-12.1593
-64	-16.7707	-15.9191	-15.7355	-15.9379	-12.7684	-12.2709	-12.6269	-12.4315	-12.3657
-63	-16.2682	-15.0738	-14.7134	-15.0669	-12.5798	-12.5109	-11.82	-12.1627	-12.7534
-62	-15.6387	-14.5074	-14.1069	-14.3566	-12.32	-12.862	-11.7451	-11.8739	-13.2026
-61	-14.8451	-14.1346	-13.8244	-13.8736	-12.0266	-13.292	-11.8766	-11.537	-13.5465
-60	-13.9532	-13.8529	-13.739	-13.6037	-11.7368	-13.7594	-12.1461	-11.1679	-13.5985
-59	-13.1061	-13.5661	-13.7034	-13.4796	-11.4697	-14.1815	-12.4736	-10.802	-13.2935
-58	-12.4128	-13.208	-13.577	-13.3942	-11.2341	-14.4341	-12.7772	-10.4822	-12.7391
-57	-11.917	-12.7445	-13.2555	-13.2315	-11.0287	-14.4172	-13.0214	-10.2393	-12.1066
-56	-11.5801	-12.1761	-12.6863	-12.9003	-10.8559	-14.0929	-13.1574	-10.1013	-11.5359
-55	-11.3194	-11.516	-11.8597	-12.3716	-10.7125	-13.503	-13.1509	-10.1037	-11.1249
-54	-11.0494	-10.7875	-10.8288	-11.6556	-10.573	-12.7153	-12.9783	-10.2923	-10.9301
-53	-10.7118	-10.0325	-9.70024	-10.8006	-10.3897	-11.817	-12.6779	-10.7072	-10.5895
-52	-10.278	-9.28589	-8.58194	-9.86887	-10.0986	-10.8764	-12.3301	-11.3835	-11.3245
-51	-9.74392	-8.57738	-7.57052	-8.92878	-9.66239	-9.97911	-12.0174	-12.3356	-11.9437
-50	-9.11259	-7.92392	-6.70753	-8.04512	-9.08725	-9.18823	-11.7591	-13.5428	-12.8269
-49	-8.40815	-7.33094	-6.00712	-7.2604	-8.41922	-8.55426	-11.5046	-14.9103	-13.9049
-48	-7.68563	-6.80252	-5.45428	-6.59076	-7.71578	-8.09544	-11.1529	-16.2396	-15.0246
-47	-7.02754	-6.33613	-5.01215	-6.03048	-7.02709	-7.79901	-10.6322	-17.143	-15.891
-46	-6.49847	-5.92444	-4.63664	-5.55504	-6.38947	-7.61971	-9.95257	-17.2204	-16.1071
-45	-6.12877	-5.56008	-4.28168	-5.13156	-5.81562	-7.49207	-9.18421	-16.4197	-15.4712
-44	-5.90484	-5.22628	-3.90831	-4.72129	-5.3061	-7.3275	-8.39395	-15.0662	-14.2038
-43	-5.77895	-4.9011	-3.48571	-4.29515	-4.8439	-7.0416	-7.61437	-13.5043	-12.6933
-42	-5.66385	-4.56373	-3.00563	-3.83504	-4.40201	-6.57075	-6.84604	-11.9056	-11.194
-41	-5.46911	-4.19447	-2.47191	-3.33112	-3.94894	-5.90391	-6.0664	-10.3366	-9.81493
-40	-5.1165	-3.78054	-1.90647	-2.78488	-3.45645	-5.07703	-5.25675	-8.81283	-8.54924
-39	-4.57235	-3.31595	-1.3353	-2.20747	-2.91449	-4.16787	-4.4123	-7.34157	-7.35262
-38	-3.86679	-2.80768	-0.783541	-1.61921	-2.33008	-3.2547	-5.5406	-5.93466	-6.17693
-37	-3.06974	-2.26997	-0.26978	-1.04254	-1.72433	-2.40329	-2.66768	-4.60694	-4.99406
-36	-2.26179	-1.72663	0.1978	-0.496251	-1.12667	-1.65181	-1.82354	-3.37463	-3.8144
-35	-1.50722	-1.19509	0.624076	0.0069016	-0.557049	-1.00675	-1.03462	-2.24737	-2.67231
-34	-0.840657	-0.689201	1.02166	0.464176	-0.0289714	-0.456232	-0.319431	-1.22872	-1.60552
-33	-0.260698	-0.209787	1.40812	0.883044	0.460717	0.0338408	0.317365	-0.314648	-0.638323
-32	0.259822	0.251286	1.80091	1.27487	0.921048	0.501944	0.885254	0.50624	0.227471
-31	0.747631	0.711363	2.21164	1.65445	1.37149	0.984689	1.4011	1.25173	1.007
-30	1.24484	1.17998	2.64125	2.03927	1.82961	1.50636	1.88799	1.93453	1.72205
-29	1.77702	1.67928	3.09096	2.42398	2.30577	2.06239	2.3609	2.57021	2.40256
-28	2.33716	2.20827	3.54825	2.82644	2.80498	2.63655	2.83512	3.16721	3.08108
-27	2.92818	2.75126	3.99488	3.22691	3.31523	3.19942	3.30549	3.72891	3.75589
-26	3.5376	3.30399	4.42219	3.62645	3.83108	3.73598	3.77142	4.25843	4.43701
-25	4.1432	3.85174	4.82538	4.0061	4.33073	4.22017	4.22524	4.74792	5.09598
-24	4.73901	4.37265	5.19948	4.36408	4.80228	4.65005	4.66221	5.20325	5.72206
-23	5.30792	4.85202	5.54878	4.70217	5.24437	5.03925	5.08346	5.62636	6.29129
-22	5.84285	5.30401	5.88929	5.01602	5.6523	5.39555	5.48755	6.01456	6.79272
-21	6.3488	5.71629	6.22448	5.32254	6.03466	5.7386	5.88514	6.3868	7.22984
-20	6.83232	6.11407	6.57351	5.62444	6.40629	6.09522	6.29015	6.75566	7.61621
-19	7.30035	6.50296	6.94E+00	5.93548	6.78343	6.47296	6.7153	7.13581	7.97E+00
-18	7.74771	6.89221	7.33E+00	6.27E+00	7.17E+00	6.86877	7.16E+00	7.54211	8.33E+00
-17	8.16942	7.28656	7.74E+00	6.62E+00	7.56E+00	7.27E+00	7.62E+00	7.9701	8.70E+00
-16	8.54538	7.67545	8.15E+00	6.99E+00	7.94E+00	7.67E+00	8.07E+00	8.40765	9.09E+00
-15	8.86096	8.05339	8.55E+00	7.36E+00	8.31E+00	8.05E+00	8.52E+00	8.8311	9.47E+00
-14	9.10503	8.40216	8.92E+00	7.72E+00	8.65E+00	8.38E+00	8.93E+00	9.21211	9.82E+00
-13	9.27572	8.70804	9.25501	8.06E+00	8.94E+00	8.66E+00	9.30E+00	9.52791	10.1177
-12	9.37293	8.96305	9.52593	8.35566	9.17749	8.88E+00	9.62E+00	9.76856	10.3442
-11	9.41853	9.15899	9.73344	8.60717	9.36436	9.05E+00	9.88E+00	9.92931	10.4955
-10	9.41992	9.29082	9.87279	8.80844	9.50268	9.16314	1.01E+01	10.0218	10.5773
-9	9.40087	9.36163	9.94308	8.95828	9.59647	9.2388	10.2559	10.0621	10.6106
-8	9.37519	9.37873	9.95515	9.06066	9.65826	9.27701	10.3729	10.0718	10.6197
-7	9.35104	9.35216	9.92564	9.12499	9.69745	9.29298	10.4453	10.0737	10.6312
-6	9.33676	9.29918	9.87382	9.1645	9.72604	9.29141	10.481	10.0794	10.6595
-5	9.33509	9.23791	9.82616	9.2045	9.75382	9.28788	10.4844	10.1079	10.7129
-4	9.34584	9.18574	9.80902	9.25287	9.79104	9.29712	10.4631	10.1531	10.7814
-3	9.36513	9.15867	9.83659	9.32751	9.84632	9.32834	10.4298	10.219	10.8562
-2	9.39887	9.1623	9.92126	9.43015	9.92112	9.3947	10.3955	10.2947	10.9222
-1	9.44561	9.20211	10.0501	9.55443	10.0123	9.49075	10.3687	10.3686	10.9706
0	9.51149	9.26597	10.2032	9.69177	10.1159	9.60978	10.3526	10.4282	10.9964
1	9.59728	9.33911	10.3481	9.81086	10.2139	9.73252	10.34	10.4611	11.0002
2	9.69643	9.40101	10.4551	9.89058	10.2931	9.82516	10.3206	10.4526	10.9742
3	9.80024	9.43178	10.4956	9.90882	10.3327	9.86665	10.2753	10.3882	10.9095
4	9.88718	9.41232	10.4505	9.85066	10.3165	9.8284	10.1804	10.2488	10.7908
5	9.94373	9.33061	10.3098	9.70521	10.231	9.69502	10.0191	10.0245	10.5985
6	9.95237	9.18208	10.0735	9.47409	10.0679	9.46122	9.77336	9.70732	10.3181
7	9.91511	8.9773	9.76596	9.17551	9.83814	9.14E+00	9.44E+00	9.29752	9.94079
8	9.83727	8.74404	9.41815	8.8339	9.55598	8.77E+00	9.03E+00	8.81492	9.47272
9	9.7534	8.5307	9.08515	8.50078	9.25485	8.39E+00	8.56E+00	8.29E+00	8.93701
10	9.70256	8.39394	8.8291	8.22802	8.98475	8.07E+00	8.10E+00	7.78E+00	8.37217
11	9.72026	8.38169	8.69884	8.06224	8.78784	7.85E+00	7.70E+00	7.33E+00	7.83744
12	9.82622	8.50707	8.7176	8.01761	8.69115	7.76E+00	7.40E+00	6.98E+00	7.37548
13	10.0146	8.74917	8.86587	8.08211	8.69645	7.78E+00	7.22E+00	6.74E+00	7.01E+00
14	10.2417	9.05026	9.08761	8.20819	8.76459	7.84E+00	7.13E+00	6.55E+00	6.72E+00
15	10.4662	9.34988	9.32179	8.34E+00	8.85E+00	7.91E+00	7.07E+00	6.37E+00	6.43E+00
16	10.6386	9.59913	9.51484	8.44E+00	8.91E+00	7.91E+00	6.99E+00	6.112	6.09E+00
17	10.7322	9.75485	9.62E+00	8.45E+00	8.90E+00	7.82972	6.83624	5.74301	5.62465
18	10.7219	9.79429	9.62E+00	8.36E+00	8.82E+00	7.64436	6.59668	5.23545	5.004
19	10.6014	9.70404	9.51E+00	8.17225	8.63847	7.35437	6.27318	4.58879	4.22047
20	10.3694	9.49115	9.2826	7.88362	8.38202	6.97831	5.88945	3.85535	3.31498
21	10.0365	9.16281	8.96239	7.526	8.05839	6.5458	5.4832	3.10457	2.36056
22	9.62809	8.75851	8.58057	7.12636	7.69803	6.08809	5.09462	2.44575	1.47748
23	9.1856	8.31386	8.1704	6.72351	7.32353	5.64973	4.74031	1.95491	0.756552
24	8.75843	7.88532	7.77625	6.36098	6.96199	5.24465	4.42025	1.62065	0.185562
25	8.38547	7.51789	7.43181	6.05668	6.62244	4.87738	4.09568	1.36483	-0.342
26	8.09411	7.23016	7.15538	5.81709	6.30937	4.53777	3.72861	1.06231	-0.99377
27	7.87832	7.01684	6.94571	5.61605	6.00959	4.197	3.27268	0.626412	-1.91451
28	7.70955	6.84885	6.79012	5.43825	5.71301	3.84872	2.70641	0.0109022	-3.20249
29	7.56179	6.6917	6.65193	5.25377	5.40714	3.48136	2.05152	-0.784383	-4.87606
30	7.40327	6.51509	6.51251	5.0466	5.09872	3.10228	1.35469	-1.68797	-6.79553
31	7.22373	6.3112	6.3512	4.81699	4.79213	2.72802	0.706538	-2.57031	-8.46762
32	7.0199	6.06409	6.14045	4.5577	4.48966	2.3777	0.19408	-3.27205	-9.15323
33	6.7837	5.78353	5.88097	4.27934	4.19546	2.04881	-0.13324	-3.70297	-8.82237
34	6.521	5.48414	5.56659	3.97859	3.90152	1.73167	-0.298387	-3.91327	-8.1886
35	6.22395	5.16639	5.19794	3.65678	3.5942	1.39623	-0.386956	-	

45	0.853925	0.115987	0.0986968	-2.50927	-2.36822	-4.93402	-5.00202	-4.74911	-3.05497
46	0.45149	0.449356	-0.320144	-2.82525	-2.69482	-4.88708	-4.71618	-4.29171	-2.37284
47	0.131863	0.889191	-0.694013	-2.9806	-2.85281	-4.82823	-4.49246	-4.05867	-1.89811
48	-0.151805	-1.21289	-1.04363	-3.05914	-2.8831	-4.8183	-4.3807	-4.00016	-1.61888
49	-0.463146	-1.46973	-1.39526	-3.15511	-2.8436	-4.87028	-4.36329	-4.04866	-1.51828
50	-0.862906	-1.73149	-1.78271	-3.34339	-2.79459	-4.98062	-4.40511	-4.1384	-1.5778
51	-1.40254	-2.07364	-2.23276	-3.67713	-2.79112	-5.13017	-4.46897	-4.22507	-1.77802
52	-2.10784	-2.55805	-2.76462	-4.17698	-2.87336	-5.29164	-4.52811	-4.28772	-2.09074
53	-2.97246	-3.22299	-3.3847	-4.83311	-3.06874	-5.43467	-4.57082	-4.33218	-2.48116
54	-3.95822	-4.07397	-4.08456	-5.59106	-3.38464	-5.53469	-4.59954	-4.37643	-2.89786
55	-4.99888	-5.08203	-4.83302	-6.35531	-3.81266	-5.59703	-4.63391	-4.43629	-3.28101
56	-6.02875	-6.17674	-5.58431	-7.01258	-4.32279	-5.65232	-4.70128	-4.52041	-3.56681
57	-7.00409	-7.25697	-6.28876	-7.48881	-4.87078	-5.74879	-4.83825	-4.63134	-3.71812
58	-7.92107	-8.2086	-6.89277	-7.78585	-5.40568	-5.92666	-5.07715	-4.75671	-3.74745
59	-8.79391	-8.96084	-7.36728	-7.9712	-5.87394	-6.20181	-5.43264	-4.88874	-3.71598
60	-9.65086	-9.49973	-7.7028	-8.12066	-6.23836	-6.56679	-5.90182	-5.02868	-3.70748
61	-10.5164	-9.87531	-7.92208	-8.27114	-6.46506	-6.98841	-6.45239	-5.19176	-3.7973
62	-11.4015	-10.1643	-8.05731	-8.43013	-6.53447	-7.41987	-7.02632	-5.41507	-4.03748
63	-12.2934	-10.4486	-8.15352	-8.58411	-6.45581	-7.80676	-7.54326	-5.73731	-4.44968
64	-13.1102	-10.7817	-8.25716	-8.72084	-6.28383	-8.10044	-7.93132	-6.19841	-5.03174
65	-13.7017	-11.1875	-8.40552	-8.82471	-6.10018	-8.27297	-8.16303	-6.81675	-5.75691
66	-13.9713	-11.6383	-8.6276	-8.88723	-5.99313	-8.3307	-8.26325	-7.58097	-6.5816
67	-14.0183	-12.0946	-8.93879	-8.91599	-6.01948	-8.31286	-8.30602	-8.43874	-7.4458
68	-14.081	-12.54	-9.35311	-8.9399	-6.20512	-8.27523	-8.36208	-9.3048	-8.2946
69	-14.3692	-13.0059	-9.87129	-9.0257	-6.54771	-8.2814	-8.49231	-10.0646	-9.08696
70	-14.9818	-13.5786	-10.5101	-9.25066	-7.03398	-8.37492	-8.73559	-10.6233	-9.80662
71	-15.9079	-14.3292	-11.2639	-9.6894	-7.66267	-8.58279	-9.13097	-10.9328	-10.465
72	-17.0182	-15.2618	-12.123	-10.3946	-8.45274	-8.92383	-9.70691	-11.0197	-11.0917
73	-18.0473	-16.2861	-13.0421	-11.3923	-9.45162	-9.4049	-10.4985	-10.9893	-11.693
74	-18.5711	-17.1596	-13.9225	-12.6733	-10.7012	-10.0427	-11.5353	-10.9757	-12.2401
75	-18.1979	-17.5444	-14.5996	-14.1751	-12.2117	-10.855	-12.8127	-11.1057	-12.6714
76	-17.0004	-17.2121	-14.9074	-15.7644	-13.8864	-11.8607	-14.26	-11.4679	-12.9125
77	-15.4903	-16.22	-14.7634	-17.1822	-15.4347	-13.0529	-15.7178	-12.0772	-12.9673
78	-14.1121	-14.9136	-14.2517	-17.9919	-16.4298	-14.3866	-16.9299	-12.8437	-12.9145
79	-13.0963	-13.6239	-13.5442	-17.8286	-16.6946	-15.7636	-17.6805	-13.5847	-12.8916
80	-12.5223	-12.5764	-12.8214	-16.8556	-16.5104	-17.0416	-17.9515	-14.1141	-12.9991
81	-12.3829	-11.8902	-12.2079	-15.6264	-16.258	-18.1116	-17.8863	-14.426	-13.2959
82	-12.6299	-11.6051	-11.7864	-14.5642	-16.1515	-18.9613	-17.646	-14.7339	-13.7811
83	-13.1778	-11.727	-11.6128	-13.8542	-16.312	-19.675	-17.3631	-15.2668	-14.3853
84	-13.9243	-12.2081	-11.7108	-13.5634	-16.8243	-20.3545	-17.1264	-16.1542	-14.9833
85	-14.7958	-12.9642	-12.0841	-13.6778	-17.7477	-21.0897	-16.9396	-17.3165	-15.4389
86	-15.8011	-13.8592	-12.6982	-14.1338	-19.1339	-21.9695	-16.6899	-18.438	-15.6513
87	-17.0561	-14.7705	-13.4897	-14.8156	-20.9315	-23.0718	-16.2077	-19.0701	-15.6308
88	-18.7451	-15.6332	-14.323	-15.5484	-22.9151	-24.3447	-15.4323	-19.1113	-15.4652
89	-21.0255	-16.5024	-15.0387	-16.1556	-24.5809	-25.3161	-14.5129	-18.8264	-15.2553
90	-23.8249	-17.4909	-15.4974	-16.5638	-25.3788	-25.0764	-13.6701	-18.3587	-15.063
91	-25.9547	-18.6662	-15.6919	-16.8315	-25.0938	-23.5664	-13.0672	-17.5901	-14.8871
92	-25.5296	-19.9773	-15.7244	-17.0639	-23.8804	-21.7129	-12.7709	-16.46	-14.6836
93	-23.8521	-21.1591	-15.7114	-17.3015	-22.2258	-20.0909	-12.7637	-15.1473	-14.3865
94	-22.48	-21.7509	-15.7244	-17.5085	-20.6989	-18.8211	-12.9761	-13.9235	-13.9678
95	-21.6208	-21.4429	-15.7943	-17.606	-19.6349	-17.8692	-13.2911	-12.9267	-13.4956
96	-21.1194	-20.4637	-15.927	-17.5127	-19.1395	-17.1773	-13.5796	-12.1831	-13.0808
97	-20.8106	-19.3115	-16.1009	-17.1936	-19.1536	-16.7009	-13.7274	-11.6371	-12.8326
98	-20.5927	-18.3516	-16.2894	-16.6454	-19.458	-16.4248	-13.682	-11.2062	-12.8008
99	-20.4179	-17.7558	-16.4586	-15.9183	-19.6802	-16.3249	-13.4457	-10.8271	-13.0052
100	-20.2322	-17.5916	-16.5589	-15.0977	-19.5294	-16.3768	-13.0797	-10.4776	-13.4037
101	-19.939	-17.8423	-16.5413	-14.2729	-19.1451	-16.5223	-12.6529	-10.1746	-13.9366
102	-19.441	-18.3936	-16.383	-13.5127	-18.9115	-16.7063	-12.2498	-9.94988	-14.5249
103	-18.7357	-19.0284	-16.086	-12.8606	-19.1007	-16.8637	-11.9305	-9.82607	-15.0788
104	-17.9536	-19.4751	-15.6672	-12.3259	-19.7825	-16.9814	-11.7228	-9.80382	-15.4986
105	-17.275	-19.6035	-15.13	-11.9045	-20.711	-17.0829	-11.6166	-9.86759	-15.6927
106	-16.8456	-19.5115	-14.4962	-11.582	-21.2628	-17.1963	-11.5643	-10.0014	-15.6449
107	-16.7409	-19.3478	-13.7911	-11.3447	-20.8792	-17.3353	-11.5046	-10.1956	-15.46
108	-16.968	-19.1316	-13.0716	-11.1872	-19.876	-17.4725	-11.3763	-10.4526	-15.2983
109	-17.4461	-18.7805	-12.3856	-11.0997	-18.9035	-17.5477	-11.1688	-10.7699	-15.2846
110	-17.9735	-18.2526	-11.7967	-11.0834	-18.2669	-17.5017	-10.918	-11.1455	-15.451
111	-18.2443	-17.6348	-11.3435	-11.1374	-18.005	-17.3117	-10.6843	-11.5491	-15.7398
112	-18.0236	-17.069	-11.057	-11.2657	-18.0516	-17.01	-10.5289	-11.9484	-16.0554
113	-17.3623	-16.6404	-10.9565	-11.4776	-18.3057	-16.6662	-10.5023	-12.2867	-16.3457
114	-16.4868	-16.3562	-11.0562	-11.7807	-18.6382	-16.3563	-10.628	-12.5207	-16.6269
115	-15.5928	-16.1645	-11.3654	-12.1708	-18.8625	-16.1395	-10.914	-12.6033	-16.9262
116	-14.7867	-16.0265	-11.8945	-12.6348	-18.7209	-16.0455	-11.3233	-12.5167	-17.1971
117	-14.1224	-15.9225	-12.6479	-13.1414	-18.0281	-16.0869	-11.7814	-12.2714	-17.3244
118	-13.6434	-15.8979	-13.6361	-13.6268	-16.8824	-16.2501	-12.1707	-11.921	-17.2567
119	-13.391	-16.0162	-14.8505	-14.0251	-15.5947	-16.526	-12.3709	-11.5446	-17.1131
120	-13.4023	-16.2961	-16.2468	-14.2571	-14.4247	-16.9121	-12.3204	-11.2204	-17.0927
121	-13.6854	-16.708	-17.7283	-14.2941	-13.5144	-17.4127	-12.0909	-11.0097	-17.3195
122	-14.2381	-17.1322	-19.083	-14.1715	-12.9118	-18.0343	-11.8248	-10.9493	-17.738
123	-15.0097	-17.3877	-20.0205	-13.9843	-12.5977	-18.7583	-11.6584	-11.0463	-18.1172
124	-15.8684	-17.3358	-20.3506	-13.846	-12.5154	-19.5076	-11.6877	-11.288	-18.1366
125	-16.598	-17.001	-20.1491	-13.8649	-12.5764	-20.1491	-11.952	-11.6369	-17.6541
126	-17.0039	-16.5551	-19.6338	-14.1111	-12.6794	-20.5366	-12.4436	-12.043	-16.815
127	-17.0903	-16.169	-18.9594	-14.6245	-12.745	-20.6373	-13.1189	-12.4293	-15.8549
128	-17.0933	-15.9469	-18.179	-15.4026	-12.744	-20.5576	-13.8836	-12.7108	-14.9479
129	-17.3026	-15.9231	-17.2977	-16.3998	-12.6903	-20.4555	-14.611	-12.8054	-14.2162
130	-17.9312	-16.0348	-16.3326	-17.5047	-12.6118	-20.4534	-15.1633	-12.6648	-13.7566
131	-19.0925	-16.1778	-15.2998	-18.5014	-12.5264	-20.5955	-15.4399	-12.3097	-13.6441
132	-20.7117	-16.1826	-14.2417	-19.09	-12.4249	-20.8251	-15.3923	-11.8076	-13.8821
133	-22.1494	-15.8985	-13.2	-19.0428	-12.2876	-20.9373	-15.0666	-11.2621	-14.3864
134	-22.0535	-15.2634	-12.2113	-18.4143	-12.1125	-20.6089	-14.5668	-10.7749	-14.9235
135	-20.3915	-14.3459	-11.3056	-17.4948	-11.8934	-19.6776	-14.0056	-10.4295	-15.1325
136	-18.4577	-13.2927	-10.5146	-16.5794	-11.6446	-18.3692	-13.4719	-10.2892	-14.8094
137	-16.8474	-12.2459	-9.86785	-15.8476	-11.3988	-17.0708	-13.0137	-10.3915	-14.1261
138	-15.6309	-11.3329	-9.38095	-15.3917	-11.2024	-16.033	-12.6422	-10.7466	-13.4124
139	-14.7587	-10.6241	-9.06051	-15.2327	-11.1211	-15.3621	-12.3475	-11.3301	-12.8812
140	-14.1623	-10.1645	-8.902	-15.349	-11.1992	-15.074	-12.1197	-12.055	-12.6135
141	-13.7752	-9.95389	-8.87724	-15.6881	-11.4634	-15.1355	-11.9545	-12.7847	-12.601
142	-13.5206	-9.96605	-8.9417	-16.1682	-11.8907	-15.4573	-11.8614	-13.353	-12.7715
143	-13.3035	-10.1339	-9.03973	-16.7059	-12.4077	-15.9096	-11.869	-13.6714	-12.9889
144	-13.0204	-10.3722	-9.12099	-17.2219	-12.9477	-16.3236	-12.0023	-13.7823	-13.1095
145	-12.6198	-10.5958	-9.15241	-17.6816	-13.4729	-16.5629	-12.2994	-13.7942	-13.0615
146	-12.1223	-10.7616	-9.13321	-18.048	-14.0042	-16.5395	-12.7901	-13.7509	-12.9292
147	-11.587	-10.9039	-9.09057	-18.3017	-14.5349	-16.2442	-13.4715	-13.6307	-12.84
148	-11.0933	-11.0933	-9.05586	-18.3661	-14.9381	-15.6842	-14.2549	-13.3877	-12.8524
149	-10.6994	-11.4184							

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

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	-11.2994	-12.2196	-13.4349	-15.1344	-14.9565	-13.3823	-16.5539	-12.1976	-14.875
-179	-10.7552	-13.0147	-14.6588	-13.849	-16.6157	-13.887	-16.6158	-13.2032	-14.1312
-178	-10.6403	-13.4538	-16.1439	-12.83	-17.9708	-14.4642	-16.1726	-14.0847	-13.4324
-177	-10.9973	-13.4412	-17.7607	-12.1268	-18.5721	-15.0454	-15.5092	-14.6357	-12.8818
-176	-11.8576	-13.204	-19.1955	-11.7534	-18.5313	-15.5828	-14.9225	-14.8211	-12.5206
-175	-13.2111	-13.0667	-19.8557	-11.7071	-18.3702	-16.04	-14.5801	-14.7877	-12.345
-174	-14.921	-13.2824	-19.3478	-11.9687	-18.4657	-16.3884	-14.5614	-14.7304	-12.3211
-173	-16.5185	-13.9925	-18.1097	-12.4913	-18.9274	-16.6165	-14.8893	-14.7637	-12.4017
-172	-17.3063	-15.3046	-16.8228	-13.1983	-19.6415	-16.753	-15.5584	-14.9233	-12.5429
-171	-17.2346	-17.275	-15.8592	-13.9562	-20.2411	-16.8542	-16.526	-15.1759	-12.7119
-170	-17.021	-19.7198	-15.3526	-14.6164	-20.2256	-17.0139	-17.6691	-15.4762	-12.9128
-169	-17.1982	-21.4945	-15.3519	-15.1094	-19.4765	-17.314	-18.7309	-15.7925	-13.1669
-168	-17.8427	-21.0314	-15.8457	-15.4794	-18.3961	-17.7799	-19.3591	-16.1084	-13.5103
-167	-18.5784	-19.4324	-16.7051	-15.8729	-17.3796	-18.3082	-19.3778	-16.4265	-13.9705
-166	-18.6283	-18.1078	-17.5627	-16.4087	-16.5941	-18.5851	-18.9839	-16.7141	-14.5471
-165	-17.6987	-17.298	-17.7374	-17.0691	-16.0481	-18.1914	-18.5123	-16.8546	-15.2023
-164	-16.4759	-16.8259	-16.9478	-17.6107	-15.6902	-17.0595	-18.1614	-16.6972	-15.8829
-163	-15.6024	-16.3756	-15.7476	-17.5726	-15.442	-15.5851	-18.0163	-16.1654	-16.5142
-162	-15.3098	-15.6912	-14.7313	-16.7504	-15.2459	-14.1677	-18.058	-15.361	-17.0782
-161	-15.5916	-14.7458	-14.1589	-15.4619	-15.0787	-13.0121	-18.2216	-14.49	-17.6118
-160	-16.2009	-13.7217	-14.0949	-14.1552	-14.9375	-12.1846	-18.4208	-13.7351	-18.2006
-159	-16.4437	-12.8126	-14.4885	-13.0649	-14.8429	-11.6949	-18.568	-13.2137	-18.9357
-158	-15.5642	-12.1325	-15.1615	-12.2559	-14.7924	-11.5355	-18.6084	-12.9794	-19.8761
-157	-13.8106	-11.7076	-15.6595	-11.7213	-14.7659	-11.6813	-18.5368	-13.059	-21.0275
-156	-11.991	-11.5147	-15.3973	-11.4178	-14.6982	-12.1113	-18.4065	-13.473	-22.3173
-155	-10.5113	-11.4935	-14.3085	-11.2961	-14.534	-12.7857	-18.2896	-14.2333	-23.5993
-154	-9.46808	-11.569	-12.9142	-11.3086	-14.2596	-13.6422	-18.2639	-15.3664	-24.6787
-153	-8.84937	-11.6648	-11.6644	-11.4156	-13.9099	-14.5872	-18.3996	-16.9029	-25.3447
-152	-8.61227	-11.7405	-10.7303	-11.5969	-13.5761	-15.5126	-18.7492	-18.9224	-25.2981
-151	-8.72045	-11.7914	-10.1411	-11.8502	-13.3507	-16.3153	-19.3609	-21.5942	-24.2226
-150	-9.12144	-11.8521	-9.87209	-12.1906	-13.3072	-16.9512	-20.2558	-25.3413	-22.2466
-149	-9.76466	-11.9713	-9.88064	-12.6396	-13.4976	-17.4242	-21.3757	-31.4504	-19.926
-148	-10.5799	-12.187	-10.1092	-13.2157	-13.9589	-17.7488	-22.4277	-38.1886	-17.7004
-147	-11.4806	-12.518	-10.4951	-13.9197	-14.7085	-17.8688	-22.7493	-29.4627	-15.7647
-146	-12.3747	-12.9611	-10.9661	-14.733	-15.7388	-17.6765	-21.8537	-24.4196	-14.1556
-145	-13.1963	-13.494	-11.4474	-15.5919	-16.9955	-17.1086	-20.1893	-21.2383	-12.872
-144	-13.919	-14.0675	-11.8654	-16.3799	-18.307	-16.2436	-18.4419	-18.9907	-11.8926
-143	-14.5628	-14.62	-12.1717	-16.9206	-19.3006	-15.2525	-16.9286	-17.3411	-11.1905
-142	-15.1455	-15.0495	-12.3534	-17.0681	-19.5363	-14.305	-15.7272	-16.1354	-10.7462
-141	-15.6607	-15.2683	-12.428	-16.7898	-18.964	-13.4982	-14.8266	-15.2782	-10.5425
-140	-16.0283	-15.212	-12.4404	-16.2159	-17.9713	-12.8741	-14.1887	-14.7169	-10.571
-139	-16.1441	-14.9003	-12.4226	-15.5088	-16.9213	-12.4405	-13.7699	-14.401	-10.8202
-138	-15.9145	-14.4051	-12.4079	-14.7803	-15.9829	-12.1728	-13.5212	-14.2923	-11.2888
-137	-15.3444	-13.8342	-12.3991	-14.0882	-15.1854	-12.0387	-13.3903	-14.3448	-11.9722
-136	-14.5362	-13.2706	-12.3619	-13.4413	-14.5105	-11.9761	-13.3065	-14.5065	-12.8685
-135	-13.6139	-12.7535	-12.2677	-12.8168	-13.9246	-11.9416	-13.2233	-14.7321	-13.969
-134	-12.6848	-12.298	-12.0726	-12.1963	-13.3915	-11.876	-13.0993	-14.9582	-15.2632
-133	-11.8096	-11.8884	-11.7673	-11.5699	-12.8938	-11.755	-12.9145	-15.1466	-16.7089
-132	-11.0089	-11.5122	-11.371	-10.9333	-12.4181	-11.5831	-12.6855	-15.2631	-18.2564
-131	-10.2799	-11.1375	-10.9198	-10.3165	-11.9799	-11.3893	-12.4536	-15.2972	-19.79
-130	-9.60918	-10.7488	-10.4589	-9.74448	-11.5927	-11.2162	-12.256	-15.26	-21.1237
-129	-8.98513	-10.3422	-10.0254	-9.24328	-11.2805	-11.1026	-12.1259	-15.1736	-21.9884
-128	-8.40928	-9.92144	-9.64164	-8.8423	-11.0575	-11.0779	-12.0796	-15.0501	-22.1325
-127	-7.8915	-9.50299	-9.31882	-8.55856	-10.9312	-11.1473	-12.1154	-14.905	-21.5385
-126	-7.45551	-9.10875	-9.06254	-8.39721	-10.9056	-11.308	-12.22	-14.7313	-20.4595
-125	-7.12457	-8.76775	-8.87855	-8.35731	-10.9626	-11.5257	-12.3436	-14.5148	-19.1991
-124	-6.90731	-8.49628	-8.76288	-8.43205	-11.0764	-11.7457	-12.4392	-14.2443	-17.9544
-123	-6.80876	-8.31078	-8.71708	-8.59925	-11.206	-11.9007	-12.4413	-13.8982	-16.8214
-122	-6.81411	-8.2157	-8.72828	-8.82097	-11.3075	-11.9222	-12.302	-13.4717	-15.8197
-121	-6.89534	-8.20457	-8.77809	-9.05213	-11.3351	-11.7648	-12.0177	-12.9704	-14.9467
-120	-7.01622	-8.25369	-8.83992	-9.22915	-11.2628	-11.4426	-11.6176	-12.4192	-14.1811
-119	-7.133	-8.32404	-8.87661	-9.30167	-11.0802	-11.0085	-11.1493	-11.8531	-13.5002
-118	-7.19951	-8.37099	-8.85667	-9.23559	-10.811	-10.5314	-10.6735	-11.2971	-12.8816
-117	-7.17542	-8.34679	-8.76288	-9.03958	-10.4859	-10.075	-10.2283	-10.7791	-12.3157
-116	-7.04355	-8.22805	-8.59061	-8.75064	-10.1449	-9.6825	-9.84778	-10.3124	-11.8043
-115	-6.81124	-8.01604	-8.35835	-8.42389	-9.8182	-9.37113	-9.54343	-9.91562	-11.3505
-114	-6.50794	-7.74338	-8.09442	-8.10529	-9.53011	-9.14802	-9.31483	-9.58875	-10.9615
-113	-6.18364	-7.4504	-7.83543	-7.83082	-9.29099	-9.00614	-9.15853	-9.33304	-10.6472
-112	-5.89152	-7.17894	-7.6071	-7.61814	-9.10623	-8.92662	-9.06456	-9.14669	-10.41
-111	-5.66964	-6.96576	-7.4303	-7.47017	-8.97073	-8.8955	-9.01759	-9.02494	-10.2623
-110	-5.54415	-6.82546	-7.32069	-7.3791	-8.874	-8.89002	-9.00235	-8.96381	-10.2039
-109	-5.52273	-6.7671	-7.27472	-7.32962	-8.81269	-8.90278	-9.00838	-8.95818	-10.2312
-108	-5.59623	-6.78204	-7.28825	-7.29919	-8.77009	-8.92381	-9.027	-8.99907	-10.3425
-107	-5.73828	-6.84907	-7.33857	-7.26665	-8.74128	-8.95353	-9.05173	-9.08525	-10.5224
-106	-5.9152	-6.93124	-7.39659	-7.21049	-8.71519	-9.00228	-9.08679	-9.21135	-10.7545
-105	-6.08197	-6.99183	-7.42387	-7.11709	-8.6952	-9.06884	-9.13767	-9.37036	-11.0133
-104	-6.1981	-6.98681	-7.39109	-6.98766	-8.67216	-9.15316	-9.20243	-9.55432	-11.2723
-103	-6.22916	-6.89411	-7.27732	-6.82389	-8.64783	-9.25404	-9.28839	-9.75252	-11.5002
-102	-6.16398	-6.71054	-7.09092	-6.63971	-8.62029	-9.35453	-9.38836	-9.95397	-11.6863
-101	-6.008	-6.46325	-6.85887	-6.45039	-8.58625	-9.43951	-9.49577	-10.1454	-11.8253
-100	-5.78286	-6.18402	-6.61246	-6.27121	-8.54628	-9.48383	-9.60272	-10.3158	-11.9228
-99	-5.5208	-5.91453	-6.39106	-6.11536	-8.49984	-9.48007	-9.69751	-10.4624	-12.0046
-98	-5.2544	-5.6794	-6.21842	-5.99293	-8.44763	-9.4255	-9.77319	-10.59	-12.0946
-97	-5.00919	-5.49624	-6.11135	-5.90996	-8.40373	-9.3283	-9.83157	-10.7117	-12.21
-96	-4.80613	-5.3693	-6.0739	-5.8697	-8.37441	-9.21353	-9.87994	-10.8415	-12.3651
-95	-4.65657	-5.29658	-6.10322	-5.87197	-8.37133	-9.10975	-9.93748	-11.0051	-12.5654
-94	-4.56426	-5.26976	-6.18252	-5.91642	-8.40699	-9.04325	-10.021	-11.2148	-12.7956
-93	-4.53083	-5.27641	-6.2974	-6.00064	-8.48615	-9.04059	-10.149	-11.4809	-13.0312
-92	-4.54864	-5.30522	-6.42608	-6.11566	-8.60613	-9.10888	-10.3319	-11.8029	-13.2392
-91	-4.60245	-5.33851	-6.54476	-6.25137	-8.76319	-9.25082	-10.566	-12.1609	-13.3759
-90	-4.67436	-5.36425	-6.63668	-6.38991	-8.9343	-9.43398	-10.8421	-12.5152	-13.4073
-89	-4.73538	-5.37197	-6.68387	-6.51229	-9.08346	-9.62356	-11.1258	-12.8154	-13.3221
-88	-4.76121	-5.34823	-6.67927	-6.59031	-9.17444	-9.75275	-11.3649	-12.9966	-13.1301
-87	-4.72939	-5.28872	-6.61913	-6.59748	-9.16419	-9.7617	-11.5076	-13.0179	-12.8518
-86	-4.63347	-5.19055	-6.50694	-6.52274	-9.02926	-9.61146	-11.5075	-12.869	-12.5303
-85	-4.4812	-5.05955	-6.35239	-6.36282	-8.77253	-9.31013	-11.3562	-12.5796	-12.1898
-84	-4.28943	-4.9053	-6.16967	-6.13498	-8.42379	-8.90524	-11.0789	-12.2055	-11.8518
-83	-4.08605	-4.74462	-5.97255	-5.86623	-8.02569	-8.46254	-10.7225	-11.8017	-11.5264
-82	-3.89552	-4.59327	-5.78025	-5.59149	-7.61965	-8.03734	-10.3444	-11.3967	-11.221
-81	-3.73713	-4.4717	-5.607	-5.33883	-7.24054	-7.66644	-9.98045	-11.006	-10.9269
-80	-3.62664	-4.39305	-5.46559	-5.12872	-6.90904	-7.36335	-9.64579	-10.6221	-10.6435
-79	-3.57477	-4.36487	-5.36559	-4.97075	-6.62715	-7.12154	-9.33898	-10.2303	-10.3546
-78	-3.57687	-4.39031	-5.30569	-4.85883	-6.38836	-6.92235	-9.03865	-9.79884	-10.0372

-68	-3.06773	-3.59375	-3.63968	-2.32058	-3.07338	-2.93915	-3.67703	-3.64067	-4.22668
-67	-2.91981	-3.29801	-3.31723	-2.03658	-2.75997	-2.60305	-3.25308	-3.22864	-3.70593
-66	-2.83359	-3.07817	-3.07323	-1.83869	-2.51492	-2.34543	-2.9115	-2.89398	-3.27127
-65	-2.82365	-2.96309	-2.93196	-1.73643	-2.3456	-2.16736	-2.65241	-2.63596	-2.93209
-64	-2.89417	-2.96894	-2.9049	-1.73013	-2.25072	-2.06541	-2.47467	-2.45407	-2.69226
-63	-3.04399	-3.09443	-2.99575	-1.81273	-2.22986	-2.03265	-2.37468	-2.34688	-2.55201
-62	-3.26577	-3.349	-3.19674	-1.9751	-2.27871	-2.06473	-2.34813	-2.31451	-2.50658
-61	-3.5434	-3.70209	-3.49344	-2.20057	-2.38957	-2.15479	-2.38961	-2.35787	-2.55012
-60	-3.86124	-4.13052	-3.86287	-2.47651	-2.55988	-2.29912	-2.49857	-2.47818	-2.67358
-59	-4.19509	-4.59659	-4.27355	-2.78673	-2.78121	-2.49769	-2.67389	-2.67832	-2.86765
-58	-4.51744	-5.05585	-4.69315	-3.12226	-3.04936	-2.75153	-2.91862	-2.96424	-3.12411
-57	-4.80009	-5.46055	-5.08582	-3.47474	-3.35966	-3.06599	-3.23719	-3.34172	-3.43934
-56	-5.01619	-5.76805	-5.42178	-3.84051	-3.70848	-3.44982	-3.64133	-3.82093	-3.81356
-55	-5.1411	-5.94259	-5.68045	-4.21542	-4.09318	-3.91161	-4.14156	-4.41729	-4.25563
-54	-5.15441	-5.96157	-5.84138	-4.59166	-4.50483	-4.45983	-4.75549	-5.14894	-4.78382
-53	-5.04006	-5.81697	-5.88215	-4.94217	-4.9277	-5.09734	-5.50135	-6.0458	-5.42355
-52	-4.77999	-5.50966	-5.77817	-5.22212	-5.3306	-5.8104	-6.39494	-7.14499	-6.20894
-51	-4.36771	-5.05132	-5.50239	-5.36262	-5.66164	-6.55729	-7.43764	-8.49884	-7.18669
-50	-3.80508	-4.46262	-5.04276	-5.27978	-5.84308	-7.24077	-8.59571	-10.1552	-8.3999
-49	-3.11748	-3.77235	-4.40741	-4.91879	-5.78937	-7.69135	-9.72105	-12.0853	-9.87145
-48	-2.34747	-3.00972	-3.63025	-4.27839	-5.44185	-7.71071	-10.46	-13.8459	-11.5033
-47	-1.54231	-2.20328	-2.75631	-3.42043	-4.8059	-7.18484	-10.3444	-14.1091	-12.7771
-46	-0.739832	-1.37673	-1.83643	-2.43203	-3.94969	-6.20561	-9.27371	-12.2866	-12.6761
-45	0.0343732	-0.550816	-0.908512	-1.39234	-2.96213	-4.96408	-7.65852	-9.72508	-11.0267
-44	0.769343	0.263008	0.00110601	-0.357827	-1.9267	-3.6394	-5.92421	-7.3237	-8.83043
-43	1.46333	1.05485	0.877955	0.642877	-0.902752	-2.34021	-4.28185	-5.25681	-6.74114
-42	2.12199	1.82406	1.71268	1.58138	0.075951	-1.11712	-2.79804	-3.50213	-4.92723
-41	2.7493	2.56253	2.50667	2.4662	0.986245	0.00602202	-1.48553	-2.01292	-3.38713
-40	3.35631	3.27011	3.25549	3.2822	1.82414	1.02391	-0.332413	-0.746116	-2.08182
-39	3.93645	3.94351	3.95847	4.03834	2.58578	1.93612	0.672697	0.337	-0.9747
-38	4.49604	4.57288	4.61552	4.71858	3.26279	2.74513	1.54611	1.25289	-0.0310373
-37	5.02596	5.15983	5.22176	5.33478	3.86734	3.45843	2.2952	2.02816	0.774769
-36	5.51433	5.69291	5.76834	5.88327	4.39938	4.08257	2.93767	2.68902	1.46671
-35	5.95525	6.1705	6.25167	6.36097	4.85922	4.6238	3.48808	3.24971	2.0646
-34	6.3432	6.58677	6.67638	6.77302	5.26129	5.0921	3.9542	3.72171	2.58
-33	6.67695	6.94734	7.03075	7.12316	5.60793	5.4912	4.35237	4.13007	3.03524
-32	6.95164	7.25663	7.33033	7.41785	5.90914	5.84155	4.69164	4.49426	3.43833
-31	7.17436	7.52509	7.57464	7.66921	6.16853	6.14287	4.98411	4.81474	3.80549
-30	7.36274	7.75474	7.7736	7.88063	6.39597	6.41033	5.2395	5.11283	4.15155
-29	7.52601	7.96426	7.9389	8.06786	6.59887	6.64792	5.47425	5.39541	4.4773
-28	7.68535	8.16027	8.08305	8.23147	6.7812	6.86142	5.68769	5.66831	4.78942
-27	7.84873	8.35161	8.21653	8.38673	6.94729	7.05405	5.88586	5.9319	5.09908
-26	8.0332	8.54238	8.34303	8.53329	7.0963	7.23055	6.06774	6.18269	5.39643
-25	8.2377	8.73544	8.46803	8.67119	7.23347	7.38666	6.24229	6.41877	5.6882
-24	8.45843	8.92318	8.59366	8.80184	7.34944	7.51647	6.39646	6.63648	5.9705
-23	8.68201	9.10393	8.70897	8.91392	7.44509	7.62887	6.53249	6.83087	6.2389
-22	8.89766	9.2639	8.80898	9.00413	7.51969	7.71165	6.64791	7.00064	6.48869
-21	9.08959	9.39594	8.88398	9.06213	7.56788	7.76497	6.73822	7.14405	6.71909
-20	9.24394	9.48809	8.92413	9.08443	7.58999	7.7925	6.80559	7.26159	6.92893
-19	9.34839	9.53764	8.9179	9.06899	7.58356	7.7931	6.84919	7.35819	7.11304
-18	9.39788	9.53999	8.86479	9.00914	7.55196	7.73337	6.87385	7.43844	7.27689
-17	9.38743	9.49104	8.76576	8.91203	7.50137	7.73774	6.8845	7.50639	7.42088
-16	9.32045	9.39918	8.6213	8.78085	7.43224	7.68771	6.885	7.56518	7.54925
-15	9.20867	9.27071	8.43945	8.63187	7.35487	7.63218	6.88469	7.62056	7.66761
-14	9.0619	9.1123	8.24019	8.4713	7.27715	7.57825	6.88257	7.67372	7.77751
-13	8.89903	8.93812	8.02907	8.31034	7.20326	7.52421	6.88877	7.73207	7.88123
-12	8.73651	8.75604	7.82984	8.16532	7.13689	7.47812	6.89966	7.78849	7.98601
-11	8.58437	8.5792	7.6519	8.03759	7.08469	7.43923	6.91805	7.853	8.08817
-10	8.45399	8.41326	7.50724	7.93389	7.04456	7.40293	6.94172	7.9148	8.18931
-9	8.34505	8.25579	7.39783	7.84824	7.01693	7.37105	6.97177	7.97822	8.28938
-8	8.25316	8.11041	7.31851	7.77527	6.99385	7.34151	7.00452	8.04305	8.38832
-7	8.17137	7.96815	7.25754	7.70844	6.97793	7.30827	7.03603	8.10636	8.48166
-6	8.08094	7.82225	7.20934	7.64141	6.96413	7.27663	7.06618	8.16587	8.57273
-5	7.9691	7.66269	7.1574	7.56589	6.94424	7.24834	7.09502	8.22756	8.65818
-4	7.8284	7.49161	7.09451	7.4834	6.92675	7.22215	7.12278	8.28458	8.73545
-3	7.65537	7.30307	7.02008	7.39889	6.90906	7.2078	7.15376	8.34224	8.8089
-2	7.44674	7.10525	6.93986	7.32052	6.89521	7.21192	7.19189	8.40461	8.87405
-1	7.21778	6.91052	6.86966	7.2657	6.88794	7.2381	7.24209	8.46363	8.93583
0	6.989	6.73647	6.81804	7.24404	6.8946	7.29316	7.30299	8.52698	8.98931
1	6.77682	6.60197	6.79853	7.27181	6.92106	7.3758	7.37558	8.58844	9.03462
2	6.61402	6.52393	6.82969	7.35172	6.95722	7.48162	7.46203	8.64985	9.07305
3	6.51425	6.50504	6.90643	7.4747	7.01169	7.60574	7.55393	8.70102	9.09844
4	6.4951	6.55226	7.02127	7.63572	7.07861	7.74125	7.64816	8.74263	9.10895
5	6.54847	6.64942	7.16355	7.81501	7.14831	7.87712	7.73982	8.77178	9.10011
6	6.65782	6.78467	7.31984	7.99043	7.21861	7.99955	7.8189	8.77944	9.06436
7	6.79517	6.93437	7.46557	8.15244	7.28746	8.1049	7.88189	8.76963	9.0085
8	6.94704	7.08897	7.60012	8.28912	7.34205	8.19118	7.92318	8.7376	8.92089
9	7.08888	7.23906	7.70571	8.39138	7.38509	8.25062	7.94598	8.68561	8.80954
10	7.21333	7.37484	7.7908	8.4571	7.40871	8.28705	7.9436	8.61305	8.67675
11	7.31753	7.49388	7.84566	8.48736	7.41647	8.30179	7.91677	8.53E+00	8.52053
12	7.40331	7.59915	7.8787	8.48727	7.40434	8.29372	7.86675	8.42E+00	8.34777
13	7.47899	7.68849	7.88848	8.45623	7.37204	8.26452	7.79487	8.30E+00	8.16E+00
14	7.55046	7.76431	7.8839	8.4067	7.32174	8.21533	7.69833	8.16E+00	7.95E+00
15	7.61673	7.82322	7.85911	8.3344	7.25145	8.14623	7.58051	8.00E+00	7.73E+00
16	7.67722	7.86362	7.82075	8.24666	7.15762	8.05915	7.43987	7.82874	7.50E+00
17	7.72472	7.8857	7.76021	8.14269	7.04559	7.94775	7.2696	7.63213	7.23582
18	7.75292	7.88054	7.67401	8.01654	6.91113	7.81427	7.07585	7.40953	6.95153
19	7.7548	7.84499	7.56117	7.87066	6.75603	7.64987	6.84903	7.1614	6.63672
20	7.72327	7.77083	7.41012	7.69681	6.57832	7.4585	6.59328	6.87974	6.28906
21	7.65896	7.65931	7.22562	7.50067	6.38179	7.24033	6.3053	6.56781	5.90953
22	7.56006	7.51515	7.00998	7.27692	6.17835	6.98969	5.99338	6.22357	5.49886
23	7.4365	7.33245	6.75956	7.03679	5.96475	6.71727	5.65471	5.85404	5.06245
24	7.28596	7.12382	6.4905	6.78639	5.74735	6.42323	5.29729	5.46239	4.61192
25	7.12339	6.89909	6.21319	6.53601	5.53609	6.12011	4.93183	5.05477	4.1555
26	6.95716	6.6686	5.93646	6.29596	5.33528	5.81029	4.55711	4.63667	3.70272
27	6.79039	6.43868	5.67474	6.07861	5.1469	5.49816	4.18613	4.21814	3.26836
28	6.62364	6.21865	5.43906	5.88488	4.96719	5.18499	3.81243	3.79229	2.84557
29	6.45724	6.01174	5.22893	5.71672	4.78944	4.87425	3.43626	3.36649	2.43077
30	6.28028	5.82239	5.04031	5.56605	4.60614	4.55111	3.0552	2.93009	2.0225
31	6.08985	5.63468	4.86282	5.42154	4.4031	4.21094	2.64875	2.47031	1.59512
32	5.86615	5.45001	4.68421	5.26579	4.17098	3.83839	2.21532	1.9729	1.12874
33	5.61248	5.25127	4.49031	5.08008	3.89448	3.41517	1.72224	1.41594	0.600207
34	5.31611	5.02709	4.26182	4.85449	3.55727	2.92614	1.16515	0.789928	-0.0156499
35	4.98719	4.77041	3.99398	4.57453	3.14753	2.36074	0.518954	0.0743138	-0.743611
36	4.62385	4.47366	3.67812	4.22541	2.65				

45	1.64749	1.0589	-0.39541	-0.903818	-4.744	-7.39737	-8.07777	-8.67182	-10.8126
46	1.41777	0.744783	-0.80996	-1.45532	-5.48406	-7.63842	-7.72466	-8.27665	-10.1878
47	1.17629	0.427674	-1.21841	-1.98473	-6.09039	-7.55211	-7.22206	-7.78029	-9.47442
48	0.902579	0.0898875	-1.63635	-2.50481	-6.55802	-7.25225	-6.68464	-7.27944	-8.787
49	0.581021	-0.285148	-2.07747	-3.02392	-6.89185	-6.83685	-6.17327	-6.80985	-8.16345
50	0.20001	-0.706779	-2.55111	-3.54204	-7.09714	-6.36586	-5.69946	-6.37413	-7.60292
51	-0.240867	-1.17859	-3.05119	-4.04444	-7.17056	-5.86164	-5.26293	-5.96333	-7.0941
52	-0.730031	-1.68795	-3.55919	-4.4951	-7.09553	-5.33397	-4.85098	-5.56303	-6.61673
53	-1.24246	-2.20904	-4.03462	-4.83638	-6.85797	-4.78583	-4.45373	-5.16229	-6.15648
54	-1.73918	-2.70128	-4.41779	-5.00548	-6.45979	-4.22345	-4.06358	-4.7548	-5.69799
55	-2.17007	-3.10919	-4.64528	-4.95768	-5.92765	-3.66021	-3.67997	-4.34043	-5.23666
56	-2.48323	-3.38334	-4.67394	-4.6919	-5.3085	-3.10722	-3.3059	-3.92849	-4.77038
57	-2.64391	-3.4928	-4.50399	-4.2648	-4.65941	-2.58531	-2.9517	-3.52763	-4.30817
58	-2.64067	-3.44321	-4.17949	-3.75025	-4.03237	-2.10803	-2.62712	-3.15378	-3.86251
59	-2.49807	-3.27576	-3.76786	-3.22402	-3.46169	-1.69004	-2.34571	-2.81923	-3.45186
60	-2.26523	-3.04809	-3.33731	-2.73954	-2.97532	-1.34201	-2.11689	-2.53699	-3.08987
61	-2.00518	-2.81681	-2.94234	-2.33039	-2.58224	-1.0701	-1.94858	-2.31678	-2.7903
62	-1.77681	-2.62754	-2.61803	-2.01134	-2.28705	-0.8764	-1.84491	-2.16077	-2.56076
63	-1.62822	-2.50883	-2.38624	-1.78548	-2.08716	-0.758176	-1.8045	-2.07208	-2.40639
64	-1.58929	-2.47452	-2.25599	-1.64846	-1.9737	-0.711266	-1.82476	-2.04391	-2.32555
65	-1.66947	-2.52315	-2.22345	-1.58941	-1.93815	-0.725707	-1.89769	-2.06729	-2.31531
66	-1.86282	-2.64143	-2.27851	-1.59124	-1.96388	-0.791022	-2.01327	-2.13315	-2.36687
67	-2.1436	-2.80183	-2.39692	-1.63636	-2.03688	-0.891455	-2.15789	-2.22506	-2.46871
68	-2.47222	-2.97363	-2.5514	-1.70213	-2.13597	-1.01369	-2.3174	-2.33053	-2.60552
69	-2.79765	-3.11707	-2.70661	-1.76717	-2.24223	-1.14252	-2.47758	-2.43441	-2.75717
70	-3.06586	-3.20098	-2.83077	-1.81269	-2.33867	-1.26432	-2.62274	-2.5208	-2.9039
71	-3.23098	-3.20449	-2.89745	-1.82583	-2.40838	-1.36867	-2.74437	-2.58037	-3.02482
72	-3.26169	-3.12189	-2.89489	-1.80264	-2.44654	-1.45224	-2.83367	-2.60629	-3.10307
73	-3.15398	-2.96649	-2.82598	-1.74821	-2.45521	-1.5123	-2.88991	-2.59847	-3.13481
74	-2.93387	-2.76275	-2.70478	-1.67539	-2.44353	-1.55688	-2.92053	-2.56611	-3.12576
75	-2.64638	-2.54097	-2.55476	-1.60085	-2.42798	-1.59517	-2.93699	-2.52073	-3.09189
76	-2.3524	-2.33211	-2.40436	-1.54431	-2.42495	-1.63954	-2.95387	-2.48054	-3.05652
77	-2.10666	-2.16665	-2.27858	-1.52098	-2.44985	-1.70442	-2.98862	-2.46378	-3.04365
78	-1.95281	-2.06772	-2.20414	-1.54342	-2.51753	-1.80108	-3.05378	-2.48784	-3.0762
79	-1.91693	-2.04979	-2.19736	-1.61983	-2.63356	-1.94078	-3.15942	-2.56467	-3.16861
80	-2.01148	-2.12265	-2.27287	-1.75239	-2.80227	-2.12838	-3.3122	-2.70209	-3.33155
81	-2.23178	-2.283	-2.43493	-1.93821	-3.02345	-2.36733	-3.51214	-2.90184	-3.56856
82	-2.56089	-2.52042	-2.67689	-2.17088	-3.2923	-2.65452	-3.75588	-3.16114	-3.87484
83	-2.9678	-2.81561	-2.98796	-2.43835	-3.60072	-2.98369	-4.03597	-3.47247	-4.23791
84	-3.40934	-3.13997	-3.34286	-2.72694	-3.93463	-3.34172	-4.33947	-3.81956	-4.63736
85	-3.84119	-3.4627	-3.71318	-3.01964	-4.27649	-3.71322	-4.6538	-4.18373	-5.04855
86	-4.21143	-3.75543	-4.06831	-3.29794	-4.60818	-4.0818	-4.9619	-4.54521	-5.43709
87	-4.47483	-3.99211	-4.38133	-3.54825	-4.90701	-4.4265	-5.24606	-4.88188	-5.78017
88	-4.60687	-4.15906	-4.63189	-3.7614	-5.15885	-4.73269	-5.49446	-5.17533	-6.0504
89	-4.6082	-4.25396	-4.81338	-3.93586	-5.35708	-4.99408	-5.69635	-5.4154	-6.24428
90	-4.505	-4.28703	-4.93105	-4.07851	-5.50401	-5.20814	-5.85431	-5.60003	-6.36809
91	-4.35006	-4.2801	-4.99849	-4.20125	-5.61952	-5.38215	-5.97824	-5.74199	-6.44485
92	-4.19611	-4.26138	-5.03918	-4.32081	-5.7228	-5.53417	-6.08213	-5.859	-6.50216
93	-4.08908	-4.2594	-5.07759	-4.45394	-5.84103	-5.6804	-6.19066	-5.97255	-6.57004
94	-4.06557	-4.3042	-5.13859	-4.61823	-5.9953	-5.84097	-6.32292	-6.10659	-6.67082
95	-4.13988	-4.41773	-5.24295	-4.82492	-6.19997	-6.03125	-6.49522	-6.28053	-6.82754
96	-4.31217	-4.6152	-5.40896	-5.08289	-6.46618	-6.26559	-6.7188	-6.50887	-7.04923
97	-4.56713	-4.89609	-5.63877	-5.39106	-6.79765	-6.54757	-7.00021	-6.79486	-7.33782
98	-4.87891	-5.24726	-5.92958	-5.7461	-7.1851	-6.88006	-7.33328	-7.13877	-7.68809
99	-5.2137	-5.6485	-6.26156	-6.13521	-7.61655	-7.25445	-7.70894	-7.52972	-8.08551
100	-5.54546	-6.05899	-6.60637	-6.53734	-8.06916	-7.6581	-8.11212	-7.94968	-8.51722
101	-5.85466	-6.43903	-6.93331	-6.93056	-8.5125	-8.06871	-8.52258	-8.37056	-8.96131
102	-6.13697	-6.74957	-7.20596	-7.28894	-8.91547	-8.46232	-8.91371	-8.76468	-9.40249
103	-6.39893	-6.9664	-7.40847	-7.59501	-9.25119	-8.81777	-9.26673	-9.10803	-9.83627
104	-6.64429	-7.08342	-7.53439	-7.83297	-9.50194	-9.11576	-9.56393	-9.38885	-10.2592
105	-6.87732	-7.11645	-7.60258	-8.00857	-9.66567	-9.35289	-9.80048	-9.60565	-10.6758
106	-7.09737	-7.09656	-7.63947	-8.13267	-9.7669	-9.53883	-9.97904	-9.77281	-11.0896
107	-7.28965	-7.05427	-7.67941	-8.22525	-9.8294	-9.68967	-10.1167	-9.91825	-11.5074
108	-7.45009	-7.02445	-7.75174	-8.30654	-9.8879	-9.82725	-10.2323	-10.0652	-11.9332
109	-7.57253	-7.03252	-7.87709	-8.39545	-9.96619	-9.97139	-10.3466	-10.2384	-12.361
110	-7.65833	-7.09949	-8.06813	-8.50988	-10.0841	-10.134	-10.4811	-10.4552	-12.8056
111	-7.71718	-7.23721	-8.331	-8.6535	-10.2582	-10.3221	-10.639	-10.7224	-13.2732
112	-7.76493	-7.44434	-8.65654	-8.82976	-10.4843	-10.533	-10.8237	-11.0389	-13.7977
113	-7.81777	-7.71239	-9.02923	-9.03682	-10.7619	-10.76	-11.023	-11.3902	-14.3851
114	-7.89946	-8.02397	-9.42547	-9.26505	-11.07	-10.9872	-11.2119	-11.7546	-15.0617
115	-8.02788	-8.36025	-9.8064	-9.50047	-11.3861	-11.1943	-11.3739	-12.0942	-15.827
116	-8.22216	-8.6975	-10.1507	-9.72876	-11.6745	-11.3537	-11.4862	-12.377	-16.6476
117	-8.48698	-9.02119	-10.4283	-9.93269	-11.9073	-11.441	-11.5358	-12.5737	-17.4739
118	-8.82034	-9.32564	-10.6374	-10.0997	-12.0594	-11.4409	-11.5232	-12.6748	-18.21
119	-9.20561	-9.61546	-10.7917	-10.2363	-12.1255	-11.3529	-11.461	-12.6889	-18.7593
120	-9.61963	-9.90111	-10.9167	-10.3487	-12.1212	-11.1879	-11.3669	-12.648	-19.0613
121	-10.0267	-10.1909	-11.049	-10.4633	-12.0768	-10.9822	-11.2666	-12.5851	-19.1175
122	-10.4023	-10.4915	-11.214	-10.6013	-12.0211	-10.7645	-11.1711	-12.535	-18.9873
123	-10.7325	-10.8039	-11.4314	-10.7962	-11.9792	-10.5638	-11.1052	-12.5211	-18.756
124	-11.0218	-11.129	-11.7181	-11.0632	-11.9728	-10.4009	-11.0768	-12.546	-18.4867
125	-11.2876	-11.4674	-12.0754	-11.4174	-12.0098	-10.2912	-11.0936	-12.6059	-18.2273
126	-11.5464	-11.8114	-12.4893	-11.862	-12.0911	-10.2363	-11.1588	-12.6859	-18.007
127	-11.8185	-12.1693	-12.9448	-12.3826	-12.2133	-10.2291	-11.2688	-12.7664	-17.8376
128	-12.1078	-12.5224	-13.4227	-12.9526	-12.3599	-10.2654	-11.4183	-12.8299	-17.7145
129	-12.4203	-12.8792	-13.8971	-13.526	-12.5212	-10.3417	-11.587	-12.8569	-17.6148
130	-12.7463	-13.2025	-14.3539	-14.0382	-12.6761	-10.4575	-11.7666	-12.8452	-17.4965
131	-13.0698	-13.4704	-14.777	-14.4077	-12.8026	-10.6092	-11.9416	-12.799	-17.3117
132	-13.3752	-13.6434	-15.1519	-14.5823	-12.8934	-10.805	-12.1018	-12.7309	-17.0218
133	-13.6436	-13.6857	-15.478	-14.5543	-12.9407	-11.0484	-12.2448	-12.6529	-16.6247
134	-13.872	-13.5846	-15.7555	-14.3701	-12.9569	-11.3375	-12.3688	-12.5666	-16.1421
135	-14.0797	-13.3599	-15.9869	-14.1254	-12.9579	-11.6698	-12.4819	-12.4764	-15.6254
136	-14.2916	-13.0558	-16.1722	-13.8998	-12.9625	-12.0331	-12.5829	-12.3792	-15.1244
137	-14.5392	-12.7161	-16.327	-13.7535	-12.9898	-12.4088	-12.6758	-12.2688	-14.6783
138	-14.8557	-12.3901	-16.4283	-13.7226	-13.0507	-12.7831	-12.7524	-12.153	-14.3103
139	-15.2573	-12.1075	-16.4859	-13.8065	-13.1476	-13.1524	-12.8152	-12.0322	-14.0303
140	-15.7333	-11.895	-16.4769	-13.9813	-13.2725	-13.5081	-12.8613	-11.9164	-13.8226
141	-16.2465	-11.759	-16.4154	-14.2037	-13.4178	-13.8639	-12.8855	-11.8164	-13.6833
142	-16.7301	-11.7088	-16.3091	-14.4052	-13.5605	-14.2268	-12.8953	-11.7447	-13.5796
143	-17.0955	-11.7345	-16.1821	-14.5137	-13.6906	-14.5997	-12.8911	-11.7038	-13.4932
144	-17.2545	-11.821	-16.0326	-14.4925	-13.7928	-14.9961	-12.8917	-11.7033	-13.4057
145	-17.1566	-11.9574	-15.8637	-14.3591	-13.8872	-15.4275	-12.9188	-11.7584	-13.311
146	-16.7854	-12.1224	-15.6623	-14.1643	-13.9861	-15.9273	-13.0087	-11.8882	-13.2169
147	-16.1923	-12.3018	-15.4162	-13.9978	-14.1237	-16.5366	-13.1958	-12.1144	-13.1374
148	-15.4527	-12.5013	-1						

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 Gai	7.755	7.886	7.888	8.487	7.416	7.793	6.648	6.419	5.099