

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	-23.9762	-18.842	-19.2123	-21.6608	-17.6098	-19.7049	-16.0789	-18.2488	-15.1099
-179	-20.2671	-18.7035	-19.4002	-23.0317	-17.1714	-24.4855	-17.9552	-19.4159	-18.1293
-178	-16.9205	-18.7546	-18.0106	-20.0406	-16.7148	-21.7153	-19.4311	-19.0278	-18.1625
-177	-15.1111	-19.2508	-16.4963	-17.7011	-16.3158	-17.4245	-20.181	-17.0171	-16.5581
-176	-14.6175	-20.3423	-15.7573	-16.8155	-16.1008	-15.2703	-20.6372	-15.2514	-15.7985
-175	-15.3438	-22.1464	-16.0453	-17.2198	-16.1892	-14.6791	-21.2594	-14.4035	-16.133
-174	-17.3835	-24.6697	-17.4441	-18.7756	-16.6657	-15.2828	-21.9103	-14.483	-17.1634
-173	-20.8649	-27.5743	-19.5968	-21.118	-17.4974	-16.6562	-21.8662	-15.2109	-18.1069
-172	-24.0219	-29.6285	-20.0732	-22.7037	-18.3303	-17.5759	-20.7357	-15.7938	-18.2891
-171	-22.136	-29.6233	-17.5125	-22.0619	-18.3268	-16.7536	-19.0972	-15.2351	-18.0345
-170	-19.5064	-28.1683	-14.8953	-20.8941	-17.1069	-15.1887	-17.5516	-13.8314	-17.9246
-169	-18.2999	-26.0523	-13.2667	-20.427	-15.4634	-14.1145	-16.3033	-12.5801	-17.9298
-168	-18.3866	-23.7689	-12.6142	-20.5826	-14.1439	-13.85	-15.3974	-11.9487	-17.5577
-167	-19.6005	-21.7034	-12.8656	-20.6641	-13.4244	-14.3897	-14.8338	-12.0356	-16.5971
-166	-21.7607	-20.0183	-13.9973	-19.9782	-13.3737	-15.6425	-14.6022	-12.8242	-15.4793
-165	-24.0428	-18.6995	-16.0421	-18.7623	-13.9721	-17.3529	-14.6776	-14.2216	-14.6536
-164	-24.2657	-17.6747	-18.9178	-17.6727	-15.124	-18.8509	-15.0334	-15.9652	-14.3105
-163	-22.4594	-16.8904	-21.6045	-17.0069	-16.4762	-19.2474	-15.5843	-17.3847	-14.4443
-162	-20.5905	-16.3473	-21.8538	-16.7552	-17.3238	-18.6264	-16.273	-17.7266	-14.9844
-161	-19.2245	-16.0872	-20.5939	-16.7885	-17.2507	-17.8125	-17.117	-17.1714	-15.7875
-160	-18.3304	-16.1731	-19.7923	-16.9936	-16.7954	-17.2708	-18.2486	-16.3878	-16.6747
-159	-17.8352	-16.6118	-19.8458	-17.3786	-16.6226	-17.1063	-19.909	-15.7136	-17.4198
-158	-17.7021	-17.3761	-20.6718	-18.0932	-17.0096	-17.3317	-22.3629	-15.186	-17.7545
-157	-17.9207	-18.2854	-22.0998	-19.4048	-17.8966	-17.9045	-25.1259	-14.763	-17.4344
-156	-18.4832	-19.1003	-23.8792	-21.648	-18.8669	-18.696	-24.6579	-14.3941	-16.429
-155	-19.363	-19.66	-25.6618	-25.3218	-19.1814	-19.3773	-21.2328	-14.0585	-15.0353
-154	-20.4762	-20.0801	-27.0322	-30.506	-18.5334	-19.4289	-18.2769	-13.7509	-13.6647
-153	-21.6047	-20.6403	-27.5495	-30.6523	-17.4645	-18.6202	-16.224	-13.481	-12.6161
-152	-22.3258	-21.5541	-26.7881	-27.1242	-16.5131	-17.3416	-14.9118	-13.2834	-12.0454
-151	-22.2571	-22.8379	-24.8264	-25.456	-15.8655	-16.1006	-14.1989	-13.2025	-12.0471
-150	-21.5404	-24.1955	-22.3179	-25.434	-15.5132	-15.1516	-14.0137	-13.2599	-12.6891
-149	-20.6553	-24.9133	-19.8289	-26.4613	-15.3836	-14.5972	-14.331	-13.4623	-14.01
-148	-19.929	-24.3842	-17.6162	-27.0388	-15.3753	-14.4359	-15.1516	-13.7908	-15.9751
-147	-19.4452	-22.8539	-15.7714	-25.475	-15.3296	-14.6233	-16.4666	-14.212	-18.2397
-146	-19.1377	-20.9043	-14.2943	-23.0908	-15.1117	-15.057	-18.163	-14.687	-19.7524
-145	-18.8846	-18.9173	-13.1532	-21.2548	-14.679	-15.5439	-19.8502	-15.1405	-19.6521
-144	-18.5957	-17.1025	-12.3008	-20.1893	-14.1446	-15.8364	-20.7944	-15.4346	-18.6984
-143	-18.2765	-15.5705	-11.6769	-19.8067	-13.6855	-15.7695	-20.7289	-15.4296	-17.6471
-142	-18.0124	-14.3673	-11.2353	-19.973	-13.4436	-15.3814	-20.2721	-15.0879	-16.5656
-141	-17.8866	-13.4966	-10.9525	-20.5354	-13.493	-14.8602	-19.9702	-14.5552	-15.3882
-140	-17.9473	-12.9462	-10.8247	-21.3093	-13.8532	-14.3878	-19.9157	-14.0459	-14.1815
-139	-18.1769	-12.6927	-10.8707	-22.1036	-14.4834	-14.0817	-19.9188	-13.7394	-13.0632
-138	-18.5028	-12.714	-11.1133	-22.7986	-15.3114	-14.0138	-19.722	-13.7237	-12.1239
-137	-18.8332	-12.9852	-11.5552	-23.4379	-16.2373	-14.2186	-19.2165	-14.042	-11.4084
-136	-19.0896	-13.4818	-12.1986	-24.2273	-17.1553	-14.6997	-18.492	-14.6982	-10.9507
-135	-19.2448	-14.1629	-13.0384	-25.4537	-17.9844	-15.3963	-17.6834	-15.6677	-10.7897
-134	-19.3305	-15.0083	-14.0871	-27.2176	-18.6913	-16.153	-16.857	-16.8991	-10.972
-133	-19.3796	-16.0074	-15.3501	-28.0641	-19.2816	-16.6831	-16.0234	-18.2438	-11.5228
-132	-19.4166	-17.1853	-16.7517	-25.2404	-19.7471	-16.7366	-15.1872	-19.3523	-12.4383
-131	-19.3826	-18.6113	-17.9075	-21.2318	-19.9926	-16.3132	-14.3561	-19.7763	-13.6499
-130	-19.1585	-20.4093	-18.0814	-17.9524	-19.8414	-15.6501	-13.5563	-19.421	-14.9778
-129	-18.6497	-22.7673	-17.1243	-15.5294	-19.2237	-14.9893	-12.8088	-18.7182	-16.0941
-128	-17.8747	-25.9671	-15.8019	-13.8312	-18.3419	-14.4604	-12.1469	-18.1234	-16.6589
-127	-16.9813	-30.193	-14.7193	-12.752	-17.5218	-14.1143	-11.6047	-17.8455	-16.6512
-126	-16.1484	-32.6125	-14.0904	-12.2166	-17.0016	-13.9497	-11.235	-17.928	-16.413
-125	-15.5163	-29.4949	-13.9209	-12.1651	-16.8927	-13.9587	-11.0787	-18.2944	-16.33
-124	-15.1747	-26.3186	-14.1424	-12.5259	-17.1732	-14.1271	-11.1635	-18.7987	-16.6417
-123	-15.1828	-24.3299	-14.6451	-13.1945	-17.7065	-14.4379	-11.5097	-19.2776	-17.451
-122	-15.5678	-23.285	-15.2677	-14.022	-18.1983	-14.8725	-12.0993	-19.646	-18.6152
-121	-16.3252	-22.9496	-15.8544	-14.8089	-18.3401	-15.4067	-12.895	-19.9419	-19.5575
-120	-17.3824	-23.0571	-16.2768	-15.381	-18.0576	-16.0023	-13.83	-20.2409	-19.4235
-119	-18.5405	-23.1873	-16.472	-15.6699	-17.5463	-16.6032	-14.8152	-20.5337	-18.3069
-118	-19.4689	-22.9089	-16.4699	-15.7269	-17.0092	-17.1622	-15.7841	-20.6772	-16.9952
-117	-19.9084	-22.2286	-16.3428	-15.645	-16.5164	-17.6681	-16.7111	-20.4785	-15.8514
-116	-19.915	-21.5481	-16.2061	-15.5198	-16.073	-18.1385	-17.6029	-19.8694	-14.8476
-115	-19.7062	-21.1916	-16.1321	-15.4399	-15.68	-18.6255	-18.4462	-18.9527	-13.8945
-114	-19.3762	-21.2018	-16.1438	-15.4517	-15.3535	-19.1335	-19.1722	-17.8939	-12.9882
-113	-18.9212	-21.3536	-16.1965	-15.5411	-15.091	-19.6453	-19.6691	-16.8315	-12.2274
-112	-18.4087	-21.2758	-16.2099	-15.6283	-14.8461	-20.0988	-19.8792	-15.8754	-11.7064
-111	-18.0318	-20.8204	-16.1376	-15.604	-14.5401	-20.3949	-19.8653	-15.1094	-11.4639
-110	-18.0107	-20.2566	-16.0298	-15.425	-14.144	-20.4285	-19.7618	-14.6038	-11.4897
-109	-18.5167	-19.9395	-15.978	-15.1757	-13.7369	-20.1647	-19.6868	-14.4002	-11.7234
-108	-19.6726	-20.0239	-16.0479	-14.9862	-13.4362	-19.7292	-19.7059	-14.5159	-12.0745
-107	-21.5635	-20.4131	-16.2181	-14.948	-13.3458	-19.3573	-19.8494	-14.9473	-12.432
-106	-24.1987	-20.7394	-16.3671	-15.0447	-13.4991	-19.2496	-20.1098	-15.6473	-12.6879
-105	-27.2982	-20.5351	-16.3499	-15.1694	-13.8163	-19.4418	-20.4117	-16.5138	-12.7812
-104	-29.2923	-19.6738	-16.0332	-15.174	-14.1337	-19.6733	-20.5355	-17.3381	-12.7258
-103	-27.7107	-18.409	-15.4149	-14.9544	-14.2373	-19.3756	-20.1632	-17.7828	-12.6022
-102	-24.2387	-16.9707	-14.5475	-14.4981	-13.9919	-18.2273	-19.1558	-17.5462	-12.4937
-101	-20.9631	-15.4763	-13.5307	-13.8339	-13.4143	-16.6181	-17.7119	-16.6555	-12.4354
-100	-18.3571	-14.0108	-12.4664	-12.9983	-12.6103	-15.0454	-16.161	-15.4256	-12.4039
-99	-16.4373	-12.6841	-11.4662	-12.0433	-11.6749	-13.6849	-14.6813	-14.1451	-12.3279
-98	-15.124	-11.5893	-10.606	-11.0506	-10.6829	-12.5148	-13.3455	-12.9723	-12.1583
-97	-14.2908	-10.7663	-9.93034	-10.1329	-9.71763	-11.48	-12.1815	-11.9615	-11.8994
-96	-13.8009	-10.205	-9.44453	-9.3716	-8.8602	-10.5607	-11.2042	-11.1284	-11.5981
-95	-13.4873	-9.85876	-9.12146	-8.81629	-8.17161	-9.80522	-10.4413	-10.4647	-11.3211
-94	-13.1794	-9.64477	-8.91131	-8.47044	-7.68364	-9.26389	-9.90655	-9.96807	-11.1333
-93	-12.7497	-9.46994	-8.75303	-8.30919	-7.40235	-8.95886	-9.5842	-9.60839	-11.0859
-92	-12.119	-9.24364	-8.58575	-8.28774	-7.29921	-8.84771	-9.41653	-9.34852	-11.2133
-91	-11.2758	-8.90661	-8.37854	-8.3463	-7.32274	-8.81364	-9.2967	-9.118	-11.5018
-90	-10.2869	-8.45215	-8.12491	-8.42059	-7.40243	-8.69462	-9.07919	-8.85172	-11.8542
-89	-9.27687	-7.92527	-7.84147	-8.44594	-7.44628	-8.34743	-8.65349	-8.48943	-12.1006
-88	-8.37454	-7.3952	-7.56528	-8.37055	-7.36113	-7.73996	-7.98958	-8.01279	-12.0901
-87	-7.67516	-6.93739	-7.31812	-8.1663	-7.08266	-6.92264	-7.14868	-7.42673	-11.7924
-86	-7.21733	-6.595	-7.11988	-7.82804	-6.58841	-5.96945	-6.20555	-6.74529	-11.2735
-85	-6.9803	-6.38471	-6.961	-7.38264	-5.90911	-4.94356	-5.23092	-6.00001	-10.5582
-84	-6.9126	-6.29811	-6.82802	-6.87105	-5.11175	-3.91737	-4.27672	-5.22743	-9.64918
-83	-6.9444	-6.30988	-6.70228	-6.32947	-4.27086	-2.96211	-3.39419	-4.48674	-8.6228
-82	-7.0351	-6.3887	-6.56422	-5.7842	-3.45968	-2.1462	-2.63227	-3.84488	-7.63259
-81	-7.18014	-6.50956	-6.39934	-5.25465	-2.73458	-1.52074	-2.03563	-3.36226	-6.84778
-80	-7.3981	-6.63992	-6.19543	-4.76373	-2.13924	-1.11231	-1.63588	-3.07996	-6.37646
-79	-7.68373	-6.73115	-5.9509	-4.33712	-1.70568	-0.925805	-1.44779	-3.01586	-6.26634
-78	-7.95863	-6.73598	-5.67769	-4.0059	-1.45335	-0.951163	-1.47526	-3.1683	-6.

-68	-8.4932	-8.63858	-7.91231	-7.35229	-5.70942	-5.11104	-4.96749	-6.24659	-8.16631
-67	-8.36568	-8.71873	-7.967	-7.53195	-5.83989	-5.11828	-4.75873	-6.01756	-8.16657
-66	-8.32475	-8.81839	-8.077	-7.7497	-5.94604	-5.05943	-4.546	-5.80543	-8.21261
-65	-8.39411	-9.01248	-8.35188	-8.13965	-6.13328	-4.9824	-4.38077	-5.61991	-8.18084
-64	-8.51645	-9.29691	-8.8474	-8.82123	-6.48025	-4.92428	-4.29797	-5.45632	-7.94757
-63	-8.59763	-9.59729	-9.55994	-9.88363	-7.02988	-4.91614	-4.30716	-5.31103	-7.48127
-62	-8.56264	-9.80715	-10.401	-11.3817	-7.75739	-4.97037	-4.41054	-5.19154	-6.87274
-61	-8.37917	-9.82558	-11.1538	-13.2079	-8.5452	-5.08014	-4.59258	-5.11946	-6.27694
-60	-8.04554	-9.59409	-11.471	-14.6657	-9.1322	-5.20703	-4.82316	-5.12308	-5.84197
-59	-7.57938	-9.13444	-11.1109	-14.4262	-9.22332	-5.28966	-5.06666	-5.22527	-5.67414
-58	-7.01948	-8.52687	-10.229	-12.6582	-8.75752	-5.25755	-5.28385	-5.43238	-5.82536
-57	-6.42071	-7.88913	-9.18111	-10.6938	-7.97176	-5.08741	-5.44736	-5.72088	-6.30218
-56	-5.84265	-7.31402	-8.23657	-9.10017	-7.15889	-4.81611	-5.55351	-6.04293	-7.03845
-55	-5.32561	-6.85455	-7.50384	-7.9547	-6.48446	-4.5244	-5.62556	-6.34019	-7.85424
-54	-4.88523	-6.52658	-7.01093	-7.21407	-6.01258	-4.30143	-5.71379	-6.57455	-8.4696
-53	-4.52648	-6.32397	-6.74723	-6.82433	-5.76643	-4.21706	-5.88327	-6.76821	-8.66701
-52	-4.24654	-6.23453	-6.69103	-6.74238	-5.7562	-4.32901	-6.21508	-7.01027	-8.50229
-51	-4.05575	-6.25972	-6.82176	-6.94237	-6.01363	-4.69529	-6.80191	-7.41493	-8.19273
-50	-3.96859	-6.40591	-7.12642	-7.40432	-6.58716	-5.3929	-7.7397	-8.06402	-7.86483
-49	-4.0051	-6.69633	-7.59512	-8.12243	-7.5644	-6.53111	-9.10675	-8.91106	-7.44931
-48	-4.17735	-7.13251	-8.20025	-9.08249	-9.08269	-8.27311	-10.8232	-9.6022	-6.76482
-47	-4.47354	-7.67284	-8.85548	-10.2454	-11.3898	-10.8707	-12.1558	-9.45559	-5.71611
-46	-4.83871	-8.18376	-9.36652	-11.4574	-15.0314	-14.4981	-16.6889	-8.22686	-4.4394
-45	-5.15478	-8.40547	-9.42947	-12.2946	-21.6007	-17.1675	-9.6443	-6.52605	-3.17307
-44	-5.25011	-8.07485	-8.83524	-12.1547	-25.4821	-14.6781	-7.51507	-4.93848	-2.09714
-43	-4.97437	-7.17161	-7.71138	-10.9363	-17.2143	-11.3554	-8.25323	-3.68358	-1.29687
-42	-4.32518	-5.9644	-6.3829	-9.21973	-12.8061	-8.99422	-6.60231	-2.78202	-0.778152
-41	-3.45039	-4.73422	-5.10085	-7.50603	-10.0545	-7.36006	-3.75092	-2.1843	-0.498918
-40	-2.53442	-3.63849	-3.9739	-6.0002	-8.13554	-6.15954	-3.15473	-1.81624	-0.381551
-39	-1.69864	-2.72457	-3.02473	-4.73969	-6.71323	-5.19959	-2.70828	-1.60159	-0.341597
-38	-0.998606	-1.98379	-2.23272	-3.71017	-5.61697	-4.37451	-2.33214	-1.48285	-0.317004
-37	-0.442644	-1.37526	-1.56797	-2.88082	-4.74974	-3.64091	-1.98708	-1.42236	-0.296667
-36	0.0124535	-0.861261	-1.0026	-2.21845	-4.0462	-2.99688	-1.67488	-1.40152	-0.306098
-35	0.319373	-0.409042	-0.517114	-1.69294	-3.45868	-2.44082	-1.40788	-1.40317	-0.362675
-34	0.588243	-0.0055751	-0.106156	-1.27612	-2.94884	-1.95851	-1.18673	-1.3836	-0.436895
-33	0.82749	0.352472	0.234251	-0.939922	-2.48039	-1.5239	-0.988305	-1.2716	-0.438011
-32	1.07711	0.667887	0.506323	-0.657988	-2.02761	-1.10365	-0.765247	-0.997777	-0.254317
-31	1.35757	0.940039	0.727074	-0.401107	-1.57286	-0.673494	-0.469321	-0.541903	0.163148
-30	1.6872	1.18679	0.926123	-0.138596	-1.10263	-0.221381	-0.0751796	0.0425511	0.752275
-29	2.07553	1.44417	1.12496	0.158307	-0.613794	0.251436	0.408311	0.665233	1.39242
-28	2.51123	1.73249	1.3716	0.514792	-0.100254	0.74084	0.947558	1.24592	1.98199
-27	2.97184	2.0729	1.69135	0.942989	0.436635	1.24413	1.5051	1.74517	2.46908
-26	3.43101	2.46997	2.08809	1.43399	0.989803	1.76475	2.05707	2.16333	2.85617
-25	3.8739	2.90094	2.53754	1.95658	1.54471	2.30579	2.59104	2.5307	3.18032
-24	4.27358	3.33396	2.98646	2.46443	2.0732	2.85393	3.10003	2.88295	3.47856
-23	4.62237	3.74346	3.40274	2.91093	2.54882	3.37506	3.57595	3.23959	3.77794
-22	4.90924	4.09019	3.74765	3.27227	2.94325	3.82633	3.9925	3.58359	4.05526
-21	5.14162	4.3767	3.99988	3.5225	3.2482	4.16545	4.3284	3.86827	4.25723
-20	5.32155	4.59733	4.17676	3.68638	3.46727	4.36696	4.55339	4.03856	4.33086
-19	5.45564	4.75944	4.29E+00	3.78184	3.61482	4.41877	4.65745	4.04761	4.23E+00
-18	5.54E+00	4.88E+00	4.38E+00	3.86E+00	3.73E+00	4.35872	4.63E+00	3.87E+00	3.94E+00
-17	5.58E+00	4.98E+00	4.46E+00	3.94E+00	3.84E+00	4.24E+00	4.53E+00	3.55E+00	3.52E+00
-16	5.56E+00	5.06E+00	4.57E+00	4.08E+00	3.99E+00	4.14E+00	4.39E+00	3.12E+00	3.07E+00
-15	5.50794	5.12E+00	4.70E+00	4.26E+00	4.17E+00	4.14E+00	4.29E+00	2.74E+00	2.74E+00
-14	5.44488	5.17357	4.86E+00	4.47E+00	4.39E+00	4.24E+00	4.29E+00	2.54E+00	2.66E+00
-13	5.41575	5.25174	5.02865	4.69E+00	4.61E+00	4.44E+00	4.41E+00	2.59E+00	2.8285
-12	5.46541	5.36921	5.20789	4.89941	4.80549	4.67E+00	4.61E+00	2.85E+00	3.13738
-11	5.60536	5.53069	5.38814	5.07406	4.95056	4.87E+00	4.81E+00	3.16E+00	3.43756
-10	5.82259	5.73588	5.56138	5.20636	5.03946	4.99892	4.95E+00	3.41E+00	3.62129
-9	6.07187	5.95824	5.7106	5.29867	5.07607	5.03145	4.9983	3.51E+00	3.64232
-8	6.29765	6.16299	5.82356	5.51554	5.06799	4.98691	4.92889	3.44E+00	3.52525
-7	6.47034	6.32389	5.89435	5.37078	5.04135	4.9085	4.77394	3.24447	3.34542
-6	6.56662	6.41822	5.91981	5.36058	5.01193	4.84667	4.59198	3.01678	3.23563
-5	6.59442	6.43298	5.89027	5.32316	4.99318	4.83645	4.45115	2.88063	3.29119
-4	6.57993	6.37838	5.81966	5.26895	4.97809	4.87262	4.40252	2.92162	3.52404
-3	6.5441	6.26969	5.72367	5.18916	4.96117	4.92431	4.44764	3.13E+00	3.84621
-2	6.52888	6.14028	5.61473	5.10009	4.9285	4.9398	4.54508	3.42395	4.14587
-1	6.53653	6.01103	5.51602	4.99895	4.87243	4.88312	4.64665	3.70E+00	4.34449
0	6.56115	5.90476	5.43034	4.90146	4.81521	4.76418	4.72382	3.90227	4.44488
1	6.57026	5.81538	5.36215	4.81761	4.77469	4.62835	4.78775	4.05094	4.49925
2	6.5392	5.73454	5.31076	4.75863	4.78764	4.55924	4.89019	4.20148	4.59211
3	6.45032	5.64783	5.27907	4.74188	4.88246	4.63779	5.08211	4.43593	4.79138
4	6.3203	5.55473	5.27237	4.7894	5.07446	4.89402	5.38539	4.79633	5.09061
5	6.17028	5.46466	5.30482	4.90493	5.34006	5.29578	5.76467	5.23451	5.42926
6	6.04037	5.40638	5.39035	5.0854	5.65358	5.75122	6.15808	5.66896	5.73126
7	5.95662	5.39537	5.52269	5.31347	5.95667	6.18187	6.48633	6.00533	5.93095
8	5.92477	5.43612	5.68381	5.55508	6.2364	6.52504	6.69465	6.18113	6.00036
9	5.91908	5.51009	5.84028	5.77526	6.4427	6.7503	6.75435	6.17398	5.94095
10	5.90474	5.58098	5.95126	5.93895	6.56372	6.84408	6.66782	5.99552	5.77648
11	5.85205	5.61407	5.99104	6.02775	6.59496	6.81934	6.45755	5.69482	5.55687
12	5.73998	5.58174	5.94411	6.02679	6.54273	6.69547	6.17996	5.36372	5.33229
13	5.56383	5.46861	5.80712	5.94483	6.41716	6.50235	5.88863	5.08645	5.15E+00
14	5.33799	5.27748	5.59707	5.79763	6.24172	6.26545	5.6445	4.91839	5.01E+00
15	5.08627	5.02761	5.34842	5.61E+00	6.03E+00	6.01032	5.46736	4.8483	4.93E+00
16	4.85E+00	4.75439	5.08826	5.41E+00	5.80E+00	5.75833	5.34647	4.81795	4.86E+00
17	4.65E+00	4.49E+00	4.86E+00	5.22E+00	5.56E+00	5.50793	5.23668	4.75805	4.77861
18	4.49E+00	4.27E+00	4.66E+00	5.05E+00	5.32E+00	5.25989	5.10281	4.63203	4.6816
19	4.35E+00	4.07E+00	4.49E+00	4.86263	5.04756	5.00495	4.92067	4.44291	4.5672
20	4.18E+00	3.87E+00	4.29105	4.6468	4.74332	4.73606	4.69451	4.22392	4.43921
21	3.96045	3.63641	4.04051	4.37566	4.40124	4.45582	4.45173	4.02847	4.30517
22	3.65579	3.33301	3.72769	4.04551	4.02548	4.17204	4.22856	3.8779	4.16443
23	3.28049	2.96844	3.35089	3.66615	3.62745	3.90504	4.04252	3.77199	4.02198
24	2.85813	2.55807	2.94027	3.2688	3.24193	3.67779	3.90132	3.67913	3.88203
25	2.43122	2.14462	2.52585	2.88636	2.88831	3.50302	3.78999	3.57128	3.75575
26	2.02639	1.7706	2.13829	2.54464	2.58167	3.37666	3.69263	3.4247	3.66622
27	1.66629	1.4581	1.7857	2.23832	2.32508	3.27554	3.59201	3.24839	3.59923
28	1.34412	1.2018	1.45344	1.94891	2.09437	3.18095	3.48866	3.05583	3.54114
29	1.04031	0.968694	1.10369	1.6401	1.86899	3.06582	3.37797	2.87829	3.47278
30	0.727908	0.714991	0.704897	1.28942	1.63319	2.91508	3.26759	2.73015	3.35954
31	0.378896	0.398597	0.235921	0.889892	1.38788	2.72995	3.15604	2.60347	3.18501
32	-0.031783	-0.0085607	-0.307207	0.459784	1.14682	2.52092	3.03263	2.46362	2.93297
33	-0.522392	-0.515508	-0.895886	0.0418785	0.933636	2.30297	2.87763	2.27223	2.59341
34	-1.09786	-1.10343	-1.47733	-0.309812	0.767927	2.08677	2.66713	1.97963	2.15709
35	-1.74539	-1.72266							

45	-5.96293	-4.11309	-3.87043	-1.89508	-1.8478	-1.59848	-2.61035	-1.94065	-1.05014
46	-6.00414	-4.22396	-4.12454	-2.17094	-2.26132	-1.84886	-2.94945	-1.95725	-0.917912
47	-6.16074	-4.41775	-4.50505	-2.56644	-2.76852	-2.23521	-3.32544	-2.03434	-0.953016
48	-6.48266	-4.75297	-5.0606	-3.1139	-3.4013	-2.79825	-3.73563	-2.18519	-1.16224
49	-6.99739	-5.27684	-5.80767	-3.81164	-4.15887	-3.52321	-4.14487	-2.40093	-1.52482
50	-7.69924	-6.01351	-6.71504	-4.60448	-4.98092	-4.32598	-4.48975	-2.66326	-1.99595
51	-8.53619	-6.96249	-7.6811	-5.3714	-5.74929	-5.0486	-4.70954	-2.94741	-2.527
52	-9.41874	-8.07012	-8.51084	-5.94057	-6.2954	-5.516	-4.77255	-3.22699	-3.06767
53	-10.2211	-9.21184	-8.95255	-6.16015	-6.49122	-5.64891	-4.69442	-3.48625	-3.57509
54	-10.8563	-10.1777	-8.87547	-6.00732	-6.34402	-5.53284	-4.53612	-3.71543	-4.02382
55	-11.3225	-10.7535	-8.39906	-5.60685	-5.98467	-5.32632	-4.36783	-3.92628	-4.40321
56	-11.7036	-10.888	-7.77031	-5.12913	-5.5716	-5.16969	-4.24832	-4.14075	-4.72659
57	-12.0994	-10.7445	-7.18251	-4.70271	-5.22406	-5.14203	-4.21822	-4.39261	-5.0296
58	-12.5696	-10.5209	-6.7295	-4.39102	-5.00302	-5.26726	-4.2963	-4.7079	-5.36308
59	-13.1036	-10.3335	-6.40931	-4.20518	-4.92814	-5.52187	-4.4806	-5.09318	-5.7572
60	-13.6268	-10.1717	-6.17483	-4.11289	-4.97655	-5.84674	-4.74763	-5.52421	-6.21855
61	-13.9724	-9.9482	-5.95173	-4.06461	-5.10461	-6.15502	-5.0595	-5.9454	-6.708
62	-14.0024	-9.59297	-5.69662	-4.0203	-5.26185	-6.38518	-5.37308	-6.29536	-7.16453
63	-13.7093	-9.11832	-5.41612	-3.97489	-5.41732	-6.54408	-5.66756	-6.5399	-7.53758
64	-13.283	-8.63648	-5.17624	-3.96342	-5.58832	-6.72878	-5.96237	-6.71081	-7.83291
65	-12.9625	-8.27978	-5.05397	-4.05102	-5.82346	-7.06663	-6.31846	-6.8976	-8.12218
66	-12.9266	-8.13899	-5.11712	-4.29543	-6.19059	-7.66409	-6.81183	-7.21519	-8.49933
67	-13.2651	-8.25535	-5.396	-4.7373	-6.73891	-8.58615	-7.52164	-7.76747	-9.04924
68	-13.9822	-8.61599	-5.893	-5.38415	-7.49101	-9.85066	-8.49703	-8.63774	-9.82
69	-14.9768	-9.14569	-6.57106	-6.21544	-8.44872	-11.4349	-9.75774	-9.88437	-10.833
70	-15.971	-9.72731	-7.36324	-7.18891	-9.60189	-13.2677	-11.2821	-11.5455	-12.0695
71	-16.5087	-10.176	-8.14455	-8.2233	-10.9213	-15.1881	-12.9748	-13.5643	-13.4395
72	-16.1735	-10.2712	-8.72417	-9.1864	-12.3163	-16.6645	-14.5673	-15.6241	-14.6122
73	-15.0293	-9.86172	-8.86898	-9.85066	-13.4968	-16.6712	-15.4411	-16.7489	-14.8933
74	-13.5118	-9.0071	-8.45786	-9.95971	-13.8858	-15.1045	-14.9728	-16.0714	-13.8856
75	-12.0039	-7.94803	-7.63087	-9.46319	-13.184	-13.1139	-13.4747	-14.3576	-12.1956
76	-10.7489	-6.94932	-6.68011	-8.62621	-11.8883	-11.4446	-11.7807	-12.6338	-10.555
77	-9.86468	-6.18549	-5.85812	-7.7926	-10.6308	-10.2958	-10.3761	-11.2783	-9.28516
78	-9.40361	-5.75333	-5.30807	-7.18827	-9.70858	-9.67379	-9.42018	-10.3732	-8.4515
79	-9.3849	-5.68582	-5.09194	-6.92022	-9.20054	-9.53789	-8.95378	-9.9206	-8.04608
80	-9.79645	-5.98631	-5.22988	-7.01726	-9.10006	-9.83032	-8.96855	-9.89767	-8.01811
81	-10.6125	-6.62771	-5.711	-7.46886	-9.37325	-10.4811	-9.43724	-10.2636	-8.29401
82	-11.776	-7.57063	-6.50725	-8.23248	-9.96816	-11.381	-10.2967	-10.9418	-8.773
83	-13.1907	-8.74906	-7.56103	-9.23876	-10.8335	-12.3902	-11.4434	-11.8262	-9.33738
84	-14.7436	-10.0975	-8.8043	-10.3842	-11.904	-13.3444	-12.6957	-12.7785	-9.85886
85	-16.3118	-11.5441	-10.1496	-11.5481	-13.1308	-14.1253	-13.809	-13.6315	-10.2504
86	-17.7102	-12.9922	-11.5016	-12.6378	-14.4498	-14.7124	-14.541	-14.1983	-10.4865
87	-18.5726	-14.2109	-12.7601	-13.6042	-15.8145	-15.1828	-14.7839	-14.2914	-10.5943
88	-18.4611	-14.7971	-13.7804	-14.4584	-17.1547	-15.6124	-14.5945	-13.8673	-10.6295
89	-17.4597	-14.5401	-14.4154	-15.2293	-18.3902	-16.0228	-14.1627	-13.1348	-10.6374
90	-16.1455	-13.7451	-14.6314	-15.9358	-19.4349	-16.4249	-13.7016	-12.393	-10.6571
91	-14.9502	-12.8822	-14.6017	-16.6013	-20.1775	-16.857	-13.399	-11.879	-10.6967
92	-14.0332	-12.2143	-14.5834	-17.2602	-20.5554	-17.3645	-13.3515	-11.7111	-10.7546
93	-13.4044	-11.8132	-14.7638	-17.9397	-20.5773	-17.9414	-13.5529	-11.9222	-10.8207
94	-13.0105	-11.6485	-15.2304	-18.6548	-20.366	-18.4672	-13.8892	-12.4867	-10.8925
95	-12.7768	-11.6599	-15.9641	-19.4164	-20.1063	-18.7693	-14.1747	-13.302	-10.9994
96	-12.6117	-11.7687	-16.8942	-20.2427	-19.951	-18.8534	-14.2478	-14.1886	-11.1841
97	-12.4545	-11.918	-17.8421	-21.1792	-19.9679	-18.9966	-14.1401	-14.8706	-11.5022
98	-12.3018	-12.0585	-18.6094	-22.2995	-20.1111	-19.5508	-14.0203	-15.1304	-11.9932
99	-12.2067	-12.185	-19.0205	-23.6725	-20.2156	-20.7353	-14.0654	-14.9803	-12.6695
100	-12.2498	-12.2965	-19.0029	-25.3125	-20.0388	-22.4282	-14.3575	-14.6191	-13.4977
101	-12.4875	-12.4066	-18.6202	-27.0257	-19.4354	-23.6652	-14.8948	-14.2584	-14.3939
102	-12.9096	-12.4974	-18.0048	-28.188	-18.5128	-23.2919	-15.5992	-14.0237	-15.2668
103	-13.4217	-12.5354	-17.2953	-28.1241	-17.4942	-22.1827	-16.3497	-13.9488	-16.0384
104	-13.8246	-12.4708	-16.6223	-27.1665	-16.5915	-21.4838	-16.9568	-14.0158	-16.6746
105	-13.9215	-12.274	-16.0624	-26.1078	-15.8947	-21.2424	-17.1624	-14.1814	-17.1464
106	-13.6507	-11.9669	-15.6671	-25.2941	-15.4369	-20.7445	-16.7986	-14.381	-17.4421
107	-13.1276	-11.5986	-15.4588	-24.7016	-15.1822	-19.4027	-15.99	-14.5289	-17.6495
108	-12.5306	-11.2465	-15.4373	-24.1543	-15.0711	-17.6796	-15.0966	-14.5601	-17.9923
109	-12.0042	-10.9711	-15.5883	-23.5175	-15.0276	-16.2752	-14.4447	-14.4175	-18.7502
110	-11.6539	-10.8194	-15.8732	-22.8081	-15.0002	-15.4792	-14.2295	-14.1237	-20.1658
111	-11.5556	-10.8322	-16.2373	-22.1657	-14.9674	-15.2883	-14.5505	-13.7982	-22.2932
112	-11.7589	-11.0336	-16.6436	-21.7086	-14.9502	-15.5569	-15.45	-13.6148	-24.3526
113	-12.2552	-11.4118	-17.0727	-21.451	-14.9956	-16.0257	-16.9214	-13.7342	-24.2643
114	-12.9102	-11.9153	-17.5432	-21.298	-15.1521	-16.4129	-18.82	-14.3004	-22.3826
115	-13.4537	-12.4442	-18.1029	-21.0972	-15.4676	-16.6028	-20.6838	-15.4094	-20.4837
116	-13.5714	-12.8849	-18.8216	-20.7552	-15.9666	-16.7177	-21.6687	-17.093	-18.8514
117	-13.2477	-13.1901	-19.7515	-20.3007	-16.6582	-16.895	-21.4356	-19.1719	-17.2832
118	-12.7659	-13.4023	-20.9425	-19.8286	-17.4878	-17.0708	-20.5994	-20.8396	-15.7519
119	-12.4206	-13.6417	-22.425	-19.3851	-18.3045	-17.0642	-19.7741	-21.0454	-14.424
120	-12.3431	-13.9976	-24.1869	-18.9211	-18.8629	-16.8522	-19.2868	-20.2845	-13.4509
121	-12.5176	-14.5021	-26.0711	-18.3363	-18.9266	-16.6212	-19.3872	-19.6541	-12.8964
122	-12.8669	-15.1018	-27.55	-17.5788	-18.5003	-16.591	-20.3635	-19.5301	-12.7285
123	-13.2613	-15.7111	-27.8287	-16.7098	-17.7923	-16.7924	-22.6612	-19.7834	-12.895
124	-13.5745	-16.2183	-26.8885	-15.8582	-17.047	-17.0022	-26.8054	-19.9448	-13.3369
125	-13.6719	-16.5461	-25.4928	-15.1571	-16.4197	-16.9068	-28.1974	-19.4212	-14.0729
126	-13.4702	-16.6529	-24.1258	-14.6795	-16.0292	-16.486	-23.1002	-18.1257	-15.1965
127	-13.0009	-16.5827	-22.8901	-14.461	-15.955	-16.0621	-19.4726	-16.5151	-16.7727
128	-12.4269	-16.4203	-21.7618	-14.477	-16.2508	-15.986	-17.4489	-15.0017	-18.5277
129	-11.9705	-16.3081	-20.7059	-14.6479	-16.9092	-16.4471	-16.5461	-13.7586	-19.2669
130	-11.8122	-16.3868	-19.7179	-14.8361	-17.7855	-17.4641	-16.5043	-12.8283	-18.2168
131	-12.0759	-16.7772	-18.8058	-14.8896	-18.4912	-18.8589	-17.1555	-12.2155	-16.6708
132	-12.835	-17.597	-17.9748	-14.7536	-18.6113	-20.1576	-18.3417	-11.9053	-15.6597
133	-14.1315	-18.9839	-17.2229	-14.5146	-18.1899	-20.8144	-19.7977	-11.8737	-15.407
134	-15.9785	-21.1239	-16.5335	-14.3432	-17.6808	-20.8911	-20.9416	-12.1024	-15.9035
135	-18.2753	-24.1693	-15.8991	-14.3506	-17.4154	-20.9481	-20.8783	-12.5646	-17.0816
136	-20.6626	-26.808	-15.3128	-14.5948	-17.4464	-21.3716	-19.4545	-13.2098	-18.827
137	-22.2927	-25.0307	-14.7946	-15.0429	-17.6203	-22.2858	-17.5412	-13.9679	-20.8338
138	-22.5846	-21.701	-14.3647	-15.6271	-17.7317	-23.7327	-15.84	-14.6901	-22.2063
139	-22.0856	-19.3258	-14.0578	-16.2734	-17.7277	-25.8395	-14.5981	-15.1668	-21.8083
140	-21.5066	-17.9637	-13.8944	-16.9335	-17.7945	-28.9032	-13.8639	-15.245	-20.2162
141	-21.1377	-17.4601	-13.8954	-17.5459	-18.192	-32.14	-13.5853	-14.9716	-18.7019
142	-21.043	-17.72	-14.0688	-17.9949	-19.0793	-29.9808	-13.6849	-14.562	-17.803
143	-21.2136	-18.6969	-14.4101	-18.1522	-20.3928	-25.6223	-14.0622	-14.2456	-17.6418
144	-21.6328	-20.2934	-14.8938	-18.0585	-21.6807	-22.5242	-14.6513	-14.1506	-18.2154
145	-22.3364	-22.0812	-15.4817	-17.9722	-22.2184	-20.5841	-15.4824	-14.3067	-19.4581
146	-23.4862	-22.5474	-16.0809	-18.2128	-21.9084	-19.5494	-16.7147	-14.6527	-21.2161
147	-25.4206	-20.6387	-16.5675	-19.011	-21.3107	-19.2518	-18.615	-15.0358	-23.131
148	-28.7953	-17.9398	-16.7979	-20.4237	-20.6439	-19.512	-21.4386	-15.2783	-24.1482
149	-35.2449	-15.6295	-16.6778						

158	-20.2276	-12.9348	-14.0473	-18.1251	-14.9161	-11.9712	-20.7834	-12.6203	-17.2456
159	-19.8826	-11.4939	-13.6627	-18.0867	-13.5467	-12.4163	-21.6126	-11.9019	-19.3125
160	-19.647	-10.9116	-13.2772	-19.2403	-12.829	-13.1364	-23.2604	-11.6626	-17.9494
161	-19.0288	-11.1436	-13.0172	-21.6077	-12.7856	-13.6109	-23.8396	-11.7948	-14.55
162	-17.9957	-12.1585	-12.9484	-23.7681	-13.4032	-13.2019	-21.1865	-12.136	-11.7233
163	-16.9524	-13.9632	-13.0542	-21.9348	-14.6966	-12.1022	-17.9169	-12.5365	-9.78218
164	-16.1715	-16.5631	-13.2243	-18.6619	-16.7313	-11.046	-15.4375	-12.9853	-8.58973
165	-15.572	-19.854	-13.2957	-16.2476	-19.6152	-10.5007	-13.7449	-13.6616	-7.97729
166	-14.8333	-23.3209	-13.153	-14.6763	-23.3822	-10.6352	-12.7004	-14.8405	-7.75709
167	-13.7571	-26.006	-12.8436	-13.7025	-26.7185	-11.4541	-12.1988	-16.7726	-7.7281
168	-12.5342	-27.6415	-12.5675	-13.16	-26.3669	-12.7973	-12.211	-19.3109	-7.75851
169	-11.5388	-27.8033	-12.5504	-12.9804	-24.5846	-14.1394	-12.7711	-20.5784	-7.88161
170	-11.0388	-25.5473	-12.965	-13.1599	-23.7206	-14.7118	-13.9519	-19.0667	-8.27468
171	-11.177	-22.5842	-13.9316	-13.6823	-24.0175	-14.5239	-15.7674	-17.322	-9.12844
172	-12.008	-20.2626	-15.4935	-14.3949	-25.3314	-14.3185	-17.7225	-16.6933	-10.47
173	-13.5046	-18.7444	-17.4212	-14.9281	-26.7731	-14.5195	-18.0578	-17.4384	-11.8139
174	-15.4034	-17.9207	-18.7486	-14.8955	-26.0746	-14.9679	-16.3386	-19.7575	-12.0454
175	-17.0132	-17.6501	-18.4446	-14.4368	-23.5547	-15.1423	-14.4661	-23.3897	-11.0536
176	-17.773	-17.8004	-17.3764	-14.107	-21.2568	-14.8157	-13.292	-23.5207	-10.0343
177	-18.336	-18.2055	-16.7308	-14.3837	-19.6706	-14.4927	-12.9265	-20.1019	-9.74125
178	-19.7719	-18.6462	-16.9067	-15.5827	-18.6769	-14.8308	-13.3211	-18.0018	-10.4224
179	-22.5921	-18.882	-17.9091	-18.0118	-18.0629	-16.36	-14.4179	-17.4968	-12.2017
Max Gain	6.594	6.433	5.991	6.028	6.595	6.844	6.754	6.181	6.000
30Dragee Max Gal	2.026	1.771	4.177	3.686	3.467	4.165	3.993	3.240	3.778

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	-18.612	-21.9804	-17.6722	-21.394	-14.2757	-18.1628	-14.7175	-15.0011	-12.8921
-179	-18.0502	-24.8092	-17.7362	-21.8427	-15.0695	-18.7831	-17.8566	-16.985	-14.8333
-178	-16.2292	-26.2936	-16.2675	-18.7011	-15.6305	-16.4408	-19.864	-18.8262	-15.2367
-177	-14.624	-26.0178	-14.5787	-16.3699	-15.6894	-13.8711	-19.4688	-17.9392	-13.7496
-176	-13.9304	-25.1488	-13.689	-15.4657	-15.5509	-12.329	-18.8166	-15.5197	-12.2634
-175	-14.3389	-23.7964	-13.8847	-15.8379	-15.7437	-11.8609	-19.0212	-13.7046	-11.6238
-174	-15.9933	-21.8266	-15.3204	-17.288	-16.6911	-12.3505	-19.8725	-12.8139	-11.9477
-173	-19.0135	-19.7591	-18.1246	-18.976	-18.7416	-13.5624	-20.4171	-12.7044	-13.2144
-172	-21.9587	-18.0996	-20.852	-18.8369	-21.9949	-14.7441	-19.7377	-13.0597	-15.3017
-171	-20.5054	-17.0246	-18.982	-17.0683	-23.3453	-14.6486	-18.2237	-13.3256	-17.5951
-170	-17.8946	-16.5169	-15.8198	-15.6394	-19.7955	-13.3923	-16.5738	-12.9616	-18.5409
-169	-16.6165	-16.4674	-13.8592	-15.1884	-16.4647	-12.1623	-14.999	-12.0785	-17.7401
-168	-16.6958	-16.6995	-13.0285	-15.7782	-14.3343	-11.5053	-13.5458	-11.2497	-16.5022
-167	-18.0207	-16.9994	-13.1023	-17.3671	-13.0962	-11.4924	-12.2985	-10.8628	-15.2966
-166	-20.4366	-17.1606	-13.8862	-19.5958	-12.4826	-12.0619	-11.3606	-11.0545	-13.9978
-165	-22.8622	-17.0407	-15.1141	-20.8172	-12.2677	-13.1127	-10.8037	-11.7809	-12.6013
-164	-22.7733	-16.5725	-16.2819	-19.5736	-12.2731	-14.5095	-10.6461	-12.772	-11.2941
-163	-21.104	-15.7978	-16.8448	-17.6495	-12.4051	-16.0569	-10.8988	-13.4232	-10.2582
-162	-19.8436	-14.8883	-16.8668	-16.2608	-12.6814	-17.3868	-11.56	-13.2209	-9.58944
-161	-19.1424	-14.0784	-16.9637	-15.5288	-13.2143	-17.9306	-12.646	-12.457	-9.30454
-160	-18.594	-13.5836	-17.6212	-15.358	-14.1443	-17.3421	-14.1459	-11.7416	-9.3753
-159	-17.8931	-13.5296	-19.0691	-15.6264	-15.5486	-16.0185	-15.9	-11.3666	-9.70604
-158	-17.1072	-13.986	-21.1671	-16.1715	-17.234	-14.5847	-17.1793	-11.3133	-10.1021
-157	-16.5074	-14.9563	-22.6388	-16.7412	-18.3729	-13.3957	-16.8086	-11.3894	-10.2892
-156	-16.3011	-16.3548	-21.8356	-17.07	-18.0624	-12.573	-15.1197	-11.3585	-10.0688
-155	-16.5839	-17.9228	-20.2117	-17.1526	-16.8985	-12.1625	-13.3501	-11.1346	-9.55298
-154	-17.3767	-19.2434	-19.281	-17.3216	-15.9099	-12.1897	-12.0492	-10.8696	-9.05616
-153	-18.6343	-20.0082	-19.356	-17.9964	-15.4436	-12.6661	-11.3179	-10.8214	-8.85803
-152	-20.1784	-20.3276	-20.3685	-19.4912	-15.4843	-13.6133	-11.1592	-11.1899	-9.14509
-151	-21.4769	-20.4739	-21.7824	-21.6997	-15.8697	-14.9922	-11.5599	-12.0996	-10.0396
-150	-21.6596	-20.6104	-22.0283	-22.6572	-16.3776	-16.5954	-12.5189	-13.6167	-11.6414
-149	-20.5913	-20.9002	-20.4152	-20.4682	-16.7987	-17.8353	-14.0173	-15.6633	-14.0187
-148	-19.0891	-21.6288	-18.4534	-17.8409	-17.0766	-18.0054	-15.9568	-17.7587	-16.9086
-147	-17.7495	-23.1705	-16.971	-16.0971	-17.2667	-17.2926	-18.006	-18.8467	-18.884
-146	-16.7606	-25.6503	-15.9883	-15.2331	-17.4108	-16.4499	-19.5779	-18.6432	-18.6454
-145	-16.1306	-26.7778	-15.2975	-15.0766	-17.4484	-15.888	-20.4054	-18.1348	-17.8342
-144	-15.806	-23.6749	-14.6838	-15.4093	-17.3102	-15.6524	-20.9926	-17.9531	-17.6225
-143	-15.7028	-20.2878	-14.0423	-15.9705	-17.0556	-15.6229	-21.9016	-18.0916	-17.7802
-142	-15.6809	-17.9862	-13.406	-16.5117	-16.8702	-15.5809	-23.1776	-18.2358	-17.2682
-141	-15.5786	-16.5901	-12.8583	-16.8785	-16.9422	-15.3452	-24.0645	-18.0759	-15.609
-140	-15.2892	-15.8076	-12.4708	-17.0893	-17.3939	-14.9016	-23.5023	-17.6228	-13.6496
-139	-14.823	-15.3626	-12.2652	-17.173	-18.2584	-14.4198	-21.9078	-17.1436	-12.094
-138	-14.3275	-15.0514	-12.2286	-17.1042	-19.425	-14.0964	-20.2858	-16.8516	-11.1222
-137	-13.978	-14.7942	-12.3395	-16.8607	-20.5708	-14.0667	-18.9699	-16.7864	-10.7115
-136	-13.9119	-14.6441	-12.6086	-16.5488	-21.1738	-14.3739	-17.924	-16.8187	-10.7816
-135	-14.2074	-14.7411	-13.0684	-16.3263	-20.9831	-14.9831	-17.0439	-16.7143	-11.2599
-134	-14.8877	-15.1652	-13.776	-16.2868	-20.3283	-15.739	-16.2551	-16.3398	-12.0802
-133	-15.9036	-15.9228	-14.787	-16.3694	-19.6387	-16.384	-15.5228	-15.7674	-13.2041
-132	-17.1022	-16.9189	-16.1349	-16.3754	-19.1016	-16.6535	-14.8365	-15.2367	-14.5875
-131	-18.1747	-17.9447	-17.808	-16.089	-18.7051	-16.4681	-14.203	-14.9541	-16.1404
-130	-18.7562	-18.7737	-19.6855	-15.4997	-18.3502	-16.0187	-13.6406	-15.0376	-17.608
-129	-18.7188	-19.3097	-21.4731	-14.8045	-17.9355	-15.5401	-13.1755	-15.5032	-18.583
-128	-18.2704	-19.6354	-22.758	-14.2081	-17.4357	-15.2001	-12.8477	-16.3116	-18.8887
-127	-17.6755	-19.8994	-23.313	-13.8065	-16.9122	-15.0982	-12.7084	-17.3796	-18.7775
-126	-17.0769	-20.2364	-23.2969	-13.6131	-16.4443	-15.2844	-12.7956	-18.6328	-18.5856
-125	-16.5247	-20.7432	-23.0241	-13.6024	-16.0844	-15.7731	-13.1279	-20.0548	-18.4588
-124	-16.0441	-21.4345	-22.7527	-13.7293	-15.8074	-16.5098	-13.6844	-21.5743	-18.4118
-123	-15.66	-22.1087	-22.6738	-13.9596	-15.5496	-17.3571	-14.4043	-22.6507	-18.4245
-122	-15.4022	-22.3456	-22.9048	-14.2737	-15.2708	-18.0867	-15.157	-22.3318	-18.4525
-121	-15.3258	-21.9689	-23.4738	-14.6403	-14.9889	-18.4729	-15.8259	-20.9311	-18.419
-120	-15.4685	-21.4204	-24.2805	-15.0175	-14.7628	-18.4827	-16.393	-19.6349	-18.2515
-119	-15.8727	-21.2792	-25.0749	-15.3492	-14.6492	-18.2829	-16.9497	-19.0155	-18
-118	-16.5349	-21.9012	-25.592	-15.5642	-14.6277	-18.0662	-17.6374	-19.1452	-17.7803
-117	-17.3918	-23.4606	-25.7839	-15.6174	-14.5887	-17.9301	-18.4939	-19.7679	-17.621
-116	-18.2879	-25.8371	-25.8526	-15.4819	-14.3889	-17.8581	-19.4143	-20.1599	-17.3412
-115	-18.9702	-27.7677	-25.9738	-15.2003	-13.9585	-17.7064	-20.1724	-19.5606	-16.6797
-114	-19.1812	-27.339	-26.1284	-14.8265	-13.3635	-17.3028	-20.5925	-18.3012	-15.6506
-113	-18.8335	-25.8384	-26.0547	-14.4066	-12.744	-16.5646	-20.687	-17.1815	-14.5803
-112	-18.0787	-24.5535	-25.3692	-13.9818	-12.2141	-15.6309	-20.567	-16.5535	-13.7953
-111	-17.1925	-23.2829	-23.9695	-13.5864	-11.8316	-14.7456	-20.2878	-16.4159	-13.4514
-110	-16.4434	-21.7692	-22.2253	-13.2686	-11.6351	-14.0887	-19.877	-16.5893	-13.5855
-109	-16.0208	-20.3124	-20.5933	-13.1052	-11.6553	-13.7598	-19.3997	-16.7858	-14.128
-108	-16.0693	-19.3563	-19.3445	-13.1643	-11.9501	-13.7808	-18.9401	-16.7281	-14.9044
-107	-16.6755	-19.1731	-18.5797	-13.5101	-12.5791	-14.1382	-18.5381	-16.3209	-15.6104
-106	-17.9154	-19.8541	-18.2813	-14.143	-13.5834	-14.8061	-18.2023	-15.7082	-15.8889
-105	-19.8099	-21.2892	-18.3242	-14.9613	-14.918	-15.7705	-17.9751	-15.1043	-15.6272
-104	-22.2528	-22.6497	-18.4487	-15.7155	-16.2883	-17.0216	-17.9729	-14.6979	-15.0553
-103	-24.6155	-22.3531	-18.3403	-16.059	-17.0762	-18.5009	-18.3411	-14.6104	-14.4912
-102	-25.2997	-20.7344	-17.866	-15.8412	-16.7989	-19.858	-19.1544	-14.8887	-14.1416
-101	-23.5882	-19.2067	-17.1535	-15.1823	-15.7141	-20.1996	-20.2132	-15.4662	-14.0755
-100	-20.9018	-18.1042	-16.3518	-14.2384	-14.2791	-18.9855	-20.6695	-16.0976	-14.2349
-99	-18.3159	-17.1724	-15.4653	-13.0755	-12.7021	-16.9991	-19.6118	-16.3315	-14.4506
-98	-16.2073	-16.1322	-14.4198	-11.7655	-11.0925	-15.0409	-17.6094	-15.9015	-14.5188
-97	-14.6701	-14.9845	-13.2615	-10.451	-9.59139	-13.3828	-15.6065	-15.0161	-14.3293
-96	-13.7033	-13.9398	-12.1319	-9.29829	-8.34115	-12.0823	-13.9264	-14.0562	-13.9598
-95	-13.2451	-13.1877	-11.2012	-8.41836	-7.42538	-11.1409	-12.6079	-13.2196	-13.5428
-94	-13.1651	-12.7962	-10.5679	-7.8626	-6.87324	-10.5631	-11.6475	-12.5627	-13.1895
-93	-13.2638	-12.7045	-10.254	-7.62727	-6.67309	-10.331	-11.0393	-12.111	-12.9558
-92	-13.2506	-12.768	-10.2228	-7.67529	-6.77548	-10.3819	-10.7678	-11.8752	-12.8805
-91	-12.8621	-12.8062	-10.3856	-7.91881	-7.08191	-10.5818	-10.7502	-11.8227	-12.9789
-90	-12.025	-12.65	-10.613	-8.23194	-7.45305	-10.6957	-10.7926	-11.8525	-13.1951
-89	-10.88	-12.2084	-10.7476	-8.46151	-7.71155	-10.4826	-10.6173	-11.7631	-13.3675
-88	-9.62406	-11.4851	-10.6497	-8.46696	-7.70317	-9.85619	-10.0476	-11.382	-13.3089
-87	-8.41277	-10.5739	-10.2523	-8.17736	-7.35414	-8.93197	-9.15875	-10.6892	-12.9563
-86	-7.34939	-9.60752	-9.60067	-7.62722	-6.70383	-7.87041	-8.14534	-9.80711	-12.4231
-85	-6.49231	-8.73902	-8.81566	-6.91068	-5.86287	-6.77934	-7.11862	-8.83977	-11.8131
-84	-5.86206	-8.07711	-8.03506	-6.14223	-4.95319	-5.71256	-6.10317	-7.82429	-11.0998
-83	-5.4567	-7.67626	-7.36668	-5.41978	-4.08348	-4.71757	-5.10774	-6.78402	-10.2395
-82	-5.26365	-7.54398	-6.87271	-4.80884	-3.32746	-3.8455	-4.18154	-5.79276	-9.28739
-81	-5.26197	-7.63592	-6.5722	-4.34903	-2.72912	-3.14393	-3.40713	-4.95098	-8.42359
-80	-5.43486	-7.86301	-6.4549	-4.0506	-2.30332	-2.64391	-2.86261	-4.35477	-7.83153
-79	-5.76109	-8.10809	-6.47549	-3.903	-2.05255	-2.36068	-2.59518	-4.06313	-7.62015
-78	-6.1947	-8.23996	-6.56383	-3.87604	-1.9635	-2.29128	-2.619	-4.09212	

-68	-5.42763	-5.09587	-6.84596	-6.91467	-5.46012	-5.30412	-5.55971	-6.54556	-9.75269
-67	-4.97322	-4.69432	-7.03146	-7.26923	-5.54367	-5.08974	-5.15749	-6.07122	-9.16731
-66	-4.71431	-4.34392	-7.16902	-7.67265	-5.61347	-4.89069	-4.834	-5.71973	-8.70451
-65	-4.72906	-4.12676	-7.26529	-8.20038	-5.77882	-4.77459	-4.63792	-5.51243	-8.31672
-64	-5.0102	-4.06641	-7.30797	-8.907	-6.127	-4.78523	-4.59036	-5.43803	-7.9599
-63	-5.47214	-4.13932	-7.26894	-9.81845	-6.71968	-4.93896	-4.69494	-5.46453	-7.61795
-62	-5.95268	-4.2883	-7.17632	-10.9661	-7.57772	-5.23086	-4.93604	-5.57076	-7.31033
-61	-6.26411	-4.45596	-7.13085	-12.391	-8.65344	-5.61653	-5.2811	-5.73907	-7.08595
-60	-6.28135	-4.60124	-7.2619	-14.1494	-9.73878	-6.01761	-5.66953	-5.96845	-6.99998
-59	-5.98467	-4.70663	-7.66187	-16.0751	-10.3961	-6.32348	-6.01802	-6.24674	-7.09443
-58	-5.43999	-4.74747	-8.33353	-17.1588	-10.2086	-6.43335	-6.22457	-6.5372	-7.38873
-57	-4.74041	-4.68677	-9.10357	-16.0432	-9.3068	-6.30971	-6.21748	-6.76142	-7.83872
-56	-3.99526	-4.50034	-9.62067	-13.7404	-8.18587	-6.01391	-5.99775	-6.8123	-8.32397
-55	-3.3173	-4.21571	-9.55784	-11.6005	-7.19861	-5.65864	-5.65434	-6.62896	-8.66378
-54	-2.79795	-3.91607	-8.99939	-9.97906	-6.49387	-5.36051	-5.31549	-6.26096	-8.69926
-53	-2.49378	-3.70599	-8.31619	-8.86102	-6.10401	-5.21889	-5.10421	-5.85779	-8.44609
-52	-2.42211	-3.67035	-7.7969	-8.17941	-6.03666	-5.30392	-5.11396	-5.59002	-8.07589
-51	-2.57165	-3.85799	-7.56543	-7.87736	-6.29671	-5.68469	-5.41161	-5.59809	-7.77609
-50	-2.90148	-4.29098	-7.64595	-7.92307	-6.90922	-6.4317	-6.05125	-5.97454	-7.65755
-49	-3.35987	-4.9707	-8.01532	-8.30347	-7.93191	-7.63377	-7.07433	-6.75329	-7.68397
-48	-3.88481	-5.8721	-8.5691	-9.00522	-9.46924	-9.39596	-8.46838	-7.81612	-7.65033
-47	-4.42309	-6.91908	-9.03994	-9.96389	-11.6932	-11.7718	-9.99389	-8.67426	-7.21251
-46	-4.9196	-7.886	-8.97705	-10.9632	-14.7831	-14.2343	-10.8318	-8.48616	-6.21442
-45	-5.31512	-8.33673	-8.10378	-11.5493	-17.914	-14.6234	-10.0867	-7.15556	-4.88781
-44	-5.52176	-7.87122	-6.69725	-11.286	-17.021	-12.4672	-8.31309	-5.49482	-3.5866
-43	-5.43351	-6.64248	-5.20861	-10.325	-13.5988	-10.0655	-6.49948	-4.0731	-2.51515
-42	-4.98681	-5.15138	-3.89159	-9.15288	-10.7935	-8.19886	-5.02055	-3.03505	-1.72519
-41	-4.23487	-3.74192	-2.81213	-8.08051	-8.77261	-6.84281	-3.91113	-2.3498	-1.1743
-40	-3.32896	-2.5448	-1.9439	-7.17332	-7.30595	-5.8661	-3.1072	-1.9285	-0.78694
-39	-2.43838	-1.58134	-1.2351	-6.38438	-6.20113	-5.15281	-2.54271	-1.67318	-0.495133
-38	-1.68409	-0.836827	-0.641511	-5.6468	-5.3254	-4.61382	-2.15753	-1.50469	-0.277969
-37	-1.12578	-0.288749	-0.138703	-4.92445	-4.58918	-4.18193	-1.91359	-1.39195	-0.16197
-36	-0.778042	0.0894562	0.272244	-4.23342	-3.94461	-3.80501	-1.78274	-1.34151	-0.192217
-35	-0.617894	0.322639	0.580799	-3.61524	-3.37611	-3.44426	-1.73379	-1.36746	-0.387239
-34	-0.587608	0.445329	0.781732	-3.11239	-2.88744	-3.06974	-1.72052	-1.45261	-0.700694
-33	-0.599849	0.501604	0.873267	-2.74297	-2.48116	-2.66684	-1.67946	-1.52537	-0.995546
-32	-0.545643	0.546865	0.902375	-2.49354	-2.14162	-2.22828	-1.53885	-1.47379	-1.0724
-31	-0.32141	0.643329	0.910624	-2.31493	-1.83145	-1.75548	-1.24645	-1.20602	-0.784438
-30	0.123215	0.847906	0.965348	-2.13102	-1.48876	-1.25035	-0.799201	-0.713277	-0.165448
-29	0.764888	1.19646	1.12494	-1.8596	-1.04991	-0.714137	-0.225714	-0.0688622	0.617438
-28	1.51597	1.68003	1.42577	-1.44473	-0.475137	-0.139456	0.422592	0.628738	1.39983
-27	2.28947	2.26581	1.85376	-0.886659	0.227459	0.476124	1.10275	1.31464	2.09624
-26	3.00494	2.88934	2.35908	-0.238422	0.999028	1.12683	1.78542	1.9607	2.68645
-25	3.61251	3.48594	2.86646	0.416952	1.76005	1.7893	2.44711	2.56307	3.19332
-24	4.09645	3.99752	3.32142	1.00502	2.43391	2.42284	3.06347	3.11791	3.63555
-23	4.47208	4.39831	3.67329	1.47203	2.9651	2.97685	3.6016	3.60656	4.00303
-22	4.7559	4.6758	3.89425	1.79268	3.32693	3.40993	4.02475	3.99109	4.26542
-21	4.97385	4.83204	3.97251	1.96524	3.50997	3.68527	4.29048	4.22419	4.36764
-20	5.1411	4.88876	3.93515	2.01376	3.54108	3.79359	4.37847	4.26192	4.26133
-19	5.26055	4.87654	3.80E+00	1.98601	3.46764	3.74926	4.27466	4.07518	3.93E+00
-18	5.32E+00	4.81E+00	3.61E+00	1.93E+00	3.36E+00	3.58843	4.01E+00	3.67E+00	3.38E+00
-17	5.30E+00	4.73E+00	3.42E+00	1.88E+00	3.29E+00	3.38E+00	3.63E+00	3.12E+00	2.70E+00
-16	5.19E+00	4.61E+00	3.24E+00	1.86E+00	3.29E+00	3.21E+00	3.25E+00	2.52E+00	2.05E+00
-15	4.97834	4.49E+00	3.12E+00	1.88E+00	3.39E+00	3.14E+00	2.99E+00	2.07E+00	1.62E+00
-14	4.70953	4.38369	3.07E+00	1.92E+00	3.54E+00	3.19E+00	2.93E+00	1.93E+00	1.54E+00
-13	4.47414	4.31644	3.09629	1.98E+00	3.71E+00	3.34E+00	3.08E+00	2.12E+00	1.76677
-12	4.37432	4.34109	3.22488	2.05886	3.87018	3.54E+00	3.38E+00	2.50E+00	2.14075
-11	4.49531	4.4976	3.44163	2.17981	4.00411	3.74E+00	3.72E+00	2.90E+00	2.50184
-10	4.84132	4.7919	3.73011	2.35973	4.12037	3.92568	4.02E+00	3.20E+00	2.75786
-9	5.32383	5.18367	4.05549	2.60498	4.24352	4.08906	4.23844	3.36E+00	2.88176
-8	5.83455	5.61401	4.38236	2.9227	4.39347	4.25981	4.38405	3.38E+00	2.9163
-7	6.2835	6.01879	4.68217	3.29307	4.58692	4.47285	4.4905	3.3523	2.95405
-6	6.62071	6.34712	4.94477	3.67989	4.82033	4.73464	4.59906	3.37326	3.08817
-5	6.83136	6.5673	5.15378	4.04033	5.05787	5.02168	4.74308	3.51977	3.36554
-4	6.93245	6.6788	5.29837	4.32986	5.26051	5.28598	4.90662	3.78691	3.74264
-3	6.95776	6.69577	5.3828	4.51804	5.38937	5.46296	5.03991	4.08985	4.11001
-2	6.9493	6.64405	5.4143	4.5928	5.42077	5.50609	5.09519	4.33264	4.36567
-1	6.94012	6.56066	5.40357	4.56639	5.35926	5.40921	5.04673	4.4437	4.46331
0	6.9525	6.47676	5.37305	4.46263	5.23585	5.19066	4.90424	4.42383	4.41184
1	6.97569	6.40241	5.33529	4.33367	5.10157	4.9363	4.73513	4.35415	4.27725
2	6.98054	6.33794	5.29105	4.22852	5.01865	4.76136	4.64459	4.35074	4.17275
3	6.95306	6.26975	5.24095	4.18371	5.0394	4.77041	4.72087	4.53746	4.21942
4	6.87843	6.18143	5.1904	4.2338	5.17437	5.00937	4.99466	4.9243	4.46257
5	6.76617	6.07947	5.14323	4.31789	5.39813	5.40848	5.39005	5.42689	4.85198
6	6.64313	5.98271	5.11548	4.57824	5.66178	5.86044	5.81311	5.90921	5.27557
7	6.53671	5.90321	5.1174	4.81684	5.91483	6.25904	6.16426	6.25934	5.63282
8	6.4543	5.85555	5.14979	5.05142	6.12233	6.53618	6.39287	6.42983	5.85738
9	6.38491	5.82415	5.20189	5.25312	6.26318	6.6674	6.47795	6.40846	5.92281
10	6.29759	5.78485	5.25389	5.39435	6.32992	6.65526	6.43273	6.23781	5.84508
11	6.16084	5.70668	5.27732	5.46716	6.3331	6.53327	6.29928	5.98501	5.66259
12	5.95136	5.56281	5.25835	5.46033	6.28099	6.33932	6.11971	5.73188	5.42433
13	5.66812	5.34692	5.18532	5.38587	6.18535	6.12953	5.9336	5.54508	5.18E+00
14	5.32756	5.06841	5.05738	5.25163	6.06966	5.93832	5.76904	5.44374	4.98E+00
15	4.97807	4.75767	4.89954	5.09E+00	5.93E+00	5.79E+00	5.63085	5.39603	4.84E+00
16	4.67E+00	4.46589	4.7341	4.92E+00	5.80E+00	5.68E+00	5.49629	5.34443	4.73E+00
17	4.46E+00	4.22E+00	4.59E+00	4.79E+00	5.66E+00	5.58453	5.35535	5.25379	4.64572
18	4.33E+00	4.03E+00	4.48E+00	4.69E+00	5.53E+00	5.47856	5.20083	5.12578	4.54903
19	4.25E+00	3.88E+00	4.38E+00	4.62473	5.38803	5.34058	5.03472	4.98471	4.43438
20	4.16E+00	3.71E+00	4.27001	4.56098	5.21617	5.16061	4.85503	4.84649	4.29674
21	3.9994	3.45666	4.09162	4.46319	5.00128	4.9339	4.65631	4.72931	4.13434
22	3.73175	3.09112	3.83089	4.31	4.73362	4.67284	4.44697	4.61723	3.96296
23	3.35416	2.60498	3.48864	4.09271	4.4116	4.3915	4.22146	4.49068	3.78872
24	2.89628	2.02561	3.09416	3.81738	4.05513	4.10914	3.98892	4.33513	3.62253
25	2.40402	1.40511	2.68686	3.51333	3.68075	3.84224	3.76907	4.15384	3.46806
26	1.92543	0.800785	2.29945	3.19457	3.31458	3.59789	3.57363	3.96362	3.33811
27	1.48966	0.251393	1.93295	2.87442	2.97403	3.39038	3.43363	3.79277	3.23151
28	1.10471	-0.235576	1.56646	2.55463	2.66614	3.21788	3.34478	3.65682	3.13616
29	0.759806	-0.680493	1.16263	2.22316	2.39103	3.082	3.29919	3.55183	3.03039
30	0.43827	-1.11244	0.698036	1.88173	2.14559	2.98109	3.27328	3.45796	2.90347
31	0.126379	-1.55415	0.174997	1.52616	1.93169	2.91096	3.23816	3.34265	2.73867
32	-0.186195	-2.02471	-0.374593	1.17738	1.75341	2.86381	3.17301	3.17495	2.52206
33	-0.506952	-2.53824	-0.888786	0.868601	1.16173	2.82872	3.05963	2.94055	2.23938
34	-0.84146	-3.10384	-1.2964	0.633274	1.52645	2.78581	2.8961	2.63276	1.88627
35	-1.19651	-3.72614	-1.54517	0.495224					

45	-7.40925	-13.801	-1.20156	0.0990718	-0.474437	-0.462991	-2.21892	-1.99477	-2.04483
46	-7.5365	-14.348	-1.26593	-0.057646	-0.743844	-0.776458	-2.5719	-1.93376	-1.92466
47	-7.56367	-14.9108	-1.51279	-0.322904	-1.09022	-1.209	-2.98387	-1.89418	-1.88029
48	-7.64211	-15.5341	-1.95382	-0.72125	-1.55399	-1.81283	-3.48277	-1.93769	-1.96711
49	-7.89698	-16.2205	-2.54756	-1.24747	-2.14277	-2.60328	-4.02726	-2.08549	-2.20435
50	-8.41884	-17.0171	-3.19615	-1.85115	-2.82034	-3.53234	-4.50129	-2.30866	-2.58268
51	-9.25275	-18.0158	-3.75649	-2.44241	-3.50241	-4.46929	-4.77026	-2.55335	-3.06264
52	-10.3931	-19.1814	-4.08658	-2.90548	-4.06788	-5.21007	-4.76751	-2.76417	-3.57773
53	-11.7404	-19.9899	-4.11654	-3.14341	-4.40219	-5.57031	-4.54583	-2.90929	-4.05351
54	-13.0894	-19.5949	-3.89079	-3.13197	-4.47299	-5.53496	-4.23408	-2.99294	-4.43289
55	-14.176	-18.176	-3.52153	-2.92422	-4.34024	-5.25906	-3.9473	-3.0492	-4.72155
56	-14.9068	-16.6287	-3.12041	-2.61939	-4.11548	-4.94127	-3.75858	-3.12803	-4.97668
57	-15.4791	-15.3478	-2.75994	-2.31084	-3.90296	-4.71595	-3.70696	-3.28069	-5.28679
58	-16.2139	-14.2503	-2.4588	-2.05935	-3.77129	-4.64955	-3.8029	-3.54817	-5.73855
59	-17.3755	-13.0937	-2.1938	-1.88475	-3.74594	-4.75035	-4.03008	-3.95546	-6.38491
60	-19.1875	-11.7617	-1.92212	-1.77595	-3.81155	-4.98248	-4.34222	-4.50375	-7.22056
61	-21.9048	-10.3612	-1.61823	-1.70077	-3.93019	-5.26604	-4.66804	-5.15427	-8.1394
62	-25.7501	-9.08228	-1.30888	-1.64376	-4.05369	-5.50406	-4.95016	-5.83279	-8.90428
63	-28.5994	-8.07428	-1.06257	-1.61503	-4.16478	-5.65281	-5.18304	-6.45501	-9.25441
64	-25.9667	-7.40189	-0.959376	-1.6608	-4.28903	-5.75349	-5.4283	-6.98791	-9.17847
65	-22.802	-7.07591	-1.06679	-1.8376	-4.48556	-5.91495	-5.78854	-7.47761	-8.95947
66	-20.8701	-7.07203	-1.41927	-2.19315	-4.82379	-6.25423	-6.35571	-8.03127	-8.90248
67	-19.9415	-7.34744	-2.01656	-2.75044	-5.35543	-6.85163	-7.18033	-8.73753	-9.17777
68	-19.7284	-7.82675	-2.82683	-3.50746	-6.10007	-7.74205	-8.2754	-9.63917	-9.83859
69	-19.8779	-8.39742	-3.7815	-4.43547	-7.06301	-8.93099	-9.62633	-10.7139	-10.8572
70	-19.8012	-8.89898	-4.77752	-5.48237	-8.22784	-10.4159	-11.1858	-11.8896	-12.1648
71	-18.8724	-9.1423	-5.64847	-6.55186	-9.55976	-12.2155	-12.8265	-13.082	-13.6707
72	-17.1085	-8.97127	-6.17595	-7.47057	-10.9373	-14.2905	-14.1648	-14.1397	-15.2052
73	-15.0619	-8.38736	-6.16812	-7.96706	-12.0145	-16.1382	-14.441	-14.7151	-16.2572
74	-13.1419	-7.54527	-5.65682	-7.85254	-12.243	-16.294	-13.411	-14.3493	-15.9723
75	-11.539	-6.65014	-4.89466	-7.24725	-11.5365	-14.5543	-11.8487	-13.1329	-14.4456
76	-10.3084	-5.86929	-4.16422	-6.48809	-10.462	-12.5398	-10.4541	-11.6703	-12.7
77	-9.48505	-5.30253	-3.64847	-5.85818	-9.55518	-11.0512	-9.47734	-10.4401	-11.3351
78	-9.07343	-5.0017	-3.42952	-5.5083	-9.04946	-10.2133	-8.96244	-9.635	-10.4954
79	-9.0788	-4.99404	-3.5289	-5.48531	-9.00026	-9.98666	-8.87558	-9.28019	-10.1531
80	-9.4865	-5.28031	-3.93387	-5.78472	-9.38912	-10.3149	-9.16585	-9.3529	-10.2271
81	-10.2602	-5.85097	-4.60793	-6.372	-10.1592	-11.1313	-9.77066	-9.78667	-10.6014
82	-11.3239	-6.67653	-5.5109	-7.20065	-11.2223	-12.3597	-10.6067	-10.4794	-11.1282
83	-12.5441	-7.71219	-6.60078	-8.21045	-12.4793	-13.8821	-11.5788	-11.3031	-11.6501
84	-13.7228	-8.89744	-7.85504	-9.34724	-13.8493	-15.5106	-12.5631	-12.0915	-12.0256
85	-14.6465	-10.1581	-9.26262	-10.5658	-15.3012	-17.0065	-13.4463	-12.7016	-12.1622
86	-15.1313	-11.4028	-10.8048	-11.8145	-16.8205	-18.1428	-14.1726	-13.0534	-12.0727
87	-15.065	-12.5097	-12.402	-13.017	-18.3616	-18.8574	-14.7876	-13.1717	-11.8621
88	-14.476	-13.3279	-13.8449	-14.0533	-19.7432	-19.3121	-15.3924	-13.1692	-11.6866
89	-13.5428	-13.703	-14.7858	-14.7696	-20.6747	-19.7232	-16.035	-13.1691	-11.6611
90	-12.5085	-13.6205	-15.033	-15.1101	-20.9989	-20.2206	-16.622	-13.2589	-11.8508
91	-11.5762	-13.2137	-14.7762	-15.1769	-20.7977	-20.7846	-16.9328	-13.4629	-12.2338
92	-10.8324	-12.6988	-14.3744	-15.1777	-20.2689	-21.2504	-16.796	-13.7281	-12.732
93	-10.2975	-12.2261	-14.0853	-15.3198	-19.6328	-21.4422	-16.342	-13.9765	-13.2272
94	-9.95782	-11.8838	-14.048	-15.7617	-19.1214	-21.3755	-15.8627	-14.1454	-13.6177
95	-9.78194	-11.7102	-14.3301	-16.6132	-18.9349	-21.275	-15.5821	-14.254	-13.8515
96	-9.74051	-11.7103	-14.9575	-17.9867	-19.1998	-21.3985	-15.5986	-14.3851	-13.9345
97	-9.80754	-11.8818	-15.9362	-19.9731	-19.9474	-21.9293	-15.9211	-14.6379	-13.9281
98	-9.95588	-12.2106	-17.2207	-22.6829	-21.0539	-22.9833	-16.4863	-15.0669	-13.9317
99	-10.151	-12.6732	-18.6856	-26.1906	-22.1333	-24.6247	-17.1714	-15.6605	-14.0643
100	-10.3581	-13.2428	-20.0874	-30.2702	-22.642	-26.7675	-17.7668	-16.3316	-14.4102
101	-10.5409	-13.8579	-21.0632	-33.4178	-22.4654	-28.7108	-18.0084	-16.888	-15.0048
102	-10.6866	-14.4337	-21.2916	-33.6024	-22.0579	-28.8942	-17.7632	-17.071	-15.8037
103	-10.7924	-14.8516	-20.7183	-32.0216	-21.8055	-27.3958	-17.1892	-16.7523	-16.687
104	-10.8654	-15.0168	-19.6395	-30.0861	-21.766	-25.6912	-16.5906	-16.0691	-17.4826
105	-10.91	-14.8861	-18.4666	-28.3801	-21.755	-24.3206	-16.1909	-15.303	-18.0366
106	-10.9182	-14.4926	-17.4865	-27.2108	-21.4815	-23.2513	-16.1219	-14.6392	-18.1777
107	-10.8931	-13.9189	-16.8291	-26.644	-20.7693	-22.3379	-16.4194	-14.1683	-17.7891
108	-10.8331	-13.2733	-16.4967	-26.5113	-19.7065	-21.4625	-17.0713	-13.8831	-16.9647
109	-10.7551	-12.6612	-16.4075	-26.4633	-18.5401	-20.5618	-18.0427	-13.7852	-16.051
110	-10.6841	-12.1876	-16.4648	-26.2069	-17.4967	-19.633	-19.269	-13.8805	-15.3942
111	-10.6432	-11.9386	-16.6258	-25.8699	-16.7174	-18.7191	-20.6361	-14.2068	-15.2179
112	-10.6483	-11.9594	-16.9596	-25.9151	-16.2796	-17.8918	-21.8959	-14.781	-15.6157
113	-10.7059	-12.2558	-17.5793	-26.7605	-16.1993	-17.238	-22.5647	-15.5337	-16.5528
114	-10.8119	-12.7702	-18.5234	-28.3949	-16.4442	-16.7919	-22.2252	-16.2236	-17.736
115	-10.9571	-13.3585	-19.5333	-28.9453	-16.9219	-16.5608	-21.1293	-16.5221	-18.5153
116	-11.124	-13.834	-19.9337	-26.2586	-17.4894	-16.4829	-19.9104	-16.3566	-18.3828
117	-11.3046	-14.0808	-19.3715	-23.0224	-17.9856	-16.4734	-18.9999	-16.0176	-17.7121
118	-11.5137	-14.1758	-18.4868	-20.6433	-18.3466	-16.4576	-18.6024	-15.7964	-17.0656
119	-11.7784	-14.3156	-17.9936	-19.072	-18.6179	-16.4105	-18.8301	-15.6893	-16.5269
120	-12.1103	-14.6705	-18.2015	-18.031	-18.8034	-16.334	-19.7708	-15.4025	-15.8403
121	-12.513	-15.3163	-19.1633	-17.2064	-18.7374	-16.169	-21.4275	-14.6475	-14.7842
122	-12.9349	-16.2149	-20.7306	-16.3656	-18.1842	-15.811	-23.2491	-13.5342	-13.4977
123	-13.297	-17.2446	-22.4476	-15.4555	-17.1619	-15.2111	-23.3325	-12.4488	-12.3015
124	-13.4883	-18.238	-23.7912	-14.6241	-16.0059	-14.4694	-21.2919	-11.6758	-11.4049
125	-13.4369	-19.1082	-25.08	-14.0243	-15.0326	-13.7929	-19.122	-11.332	-10.8812
126	-13.159	-19.8621	-27.3836	-13.7328	-14.4276	-13.3709	-17.6247	-11.4258	-10.7315
127	-12.7569	-20.4647	-30.2926	-13.7067	-14.2505	-13.2979	-16.8502	-11.9416	-10.9075
128	-12.3903	-20.7026	-27.0961	-13.8025	-14.5081	-13.613	-16.7262	-12.845	-11.3776
129	-12.2046	-20.4063	-22.3669	-13.8398	-15.1671	-14.2885	-17.1907	-14.1272	-12.1403
130	-12.3127	-19.7861	-19.3897	-13.6993	-16.1341	-15.2816	-18.1835	-15.7532	-13.2824
131	-12.8024	-19.2928	-17.8253	-13.4277	-17.1945	-16.5485	-19.5632	-17.4172	-14.9713
132	-13.7375	-19.2768	-17.3726	-13.1534	-17.9075	-18.0528	-20.8308	-18.0078	-17.4451
133	-15.1473	-19.9143	-17.8624	-12.9522	-17.7166	-19.7265	-20.9382	-16.6709	-20.5475
134	-17.0085	-21.1467	-19.1374	-12.8077	-16.5827	-21.2434	-19.5244	-14.5617	-21.4503
135	-19.1554	-22.2164	-20.8284	-12.6716	-15.0586	-21.8555	-17.5704	-12.7596	-18.6016
136	-21.0829	-21.5706	-22.0245	-12.5414	-13.6373	-21.276	-15.8137	-11.5398	-15.8061
137	-22.0768	-19.4729	-21.7921	-12.5131	-12.5703	-20.3118	-14.4752	-10.903	-14.0136
138	-22.0313	-17.4461	-20.4948	-12.7345	-11.9539	-19.7212	-13.5706	-10.7969	-13.0948
139	-21.5065	-16.0594	-18.9086	-13.3532	-11.8474	-19.8004	-13.0932	-11.1476	-12.8944
140	-20.9135	-15.3666	-17.3937	-14.4641	-12.2816	-20.5924	-13.0403	-11.8547	-13.2915
141	-20.3935	-15.3313	-16.1241	-16.0065	-13.3149	-21.8501	-13.4155	-12.7501	-14.1334
142	-19.9903	-15.9029	-15.2248	-17.4758	-15.0236	-22.5586	-14.1781	-13.5922	-15.1857
143	-19.7333	-17.0479	-14.7604	-17.8318	-17.5391	-21.4518	-15.1777	-14.1581	-16.0696
144	-19.6698	-18.6808	-14.7244	-16.9287	-20.996	-19.2725	-15.9839	-14.4288	-16.4449
145	-19.8901	-20.5752	-15.0581	-15.849	-24.9725	-17.26	-16.0534	-14.6007	-16.376
146	-20.5595	-22.0292	-15.6481	-15.2768	-26.1991	-15.7967	-15.3877	-14.9136	-16.2486
147	-21.9522	-21.9047	-16.416	-15.4033	-24.0018	-14.9307	-14.5368	-15.4579	-16.4138
148	-24.524	-20.2356	-17						

158	-21.5803	-11.9191	-16.1778	-14.0764	-14.4997	-13.8314	-16.3692	-11.1952	-12.3673
159	-21.2669	-11.0002	-15.7505	-14.038	-13.8637	-13.9138	-17.3828	-10.9228	-11.4981
160	-20.455	-10.588	-15.1316	-15.2735	-13.4601	-14.7182	-19.1187	-11.402	-10.5173
161	-18.8258	-10.7642	-14.1018	-18.2065	-13.3424	-15.4791	-20.6833	-12.5564	-9.37088
162	-16.781	-11.5777	-12.8654	-22.8323	-13.6018	-14.738	-19.7276	-14.1014	-8.17164
163	-14.96	-13.0735	-11.7985	-21.3249	-14.3629	-12.7076	-17.0098	-15.4083	-7.11381
164	-13.667	-15.2818	-11.1615	-16.6235	-15.8035	-10.8185	-14.5632	-15.9134	-6.34214
165	-12.9358	-18.1259	-11.0307	-13.8351	-18.1523	-9.66745	-12.7556	-16.021	-5.94024
166	-12.6115	-21.0406	-11.3198	-12.4419	-21.5364	-9.32942	-11.473	-16.5238	-5.9317
167	-12.4164	-22.8066	-11.7287	-11.9627	-24.2278	-9.76379	-10.6082	-17.8067	-6.2847
168	-12.0582	-23.3942	-11.8223	-12.012	-22.6868	-10.8233	-10.1462	-19.5144	-6.91471
169	-11.5033	-24.0868	-11.4559	-12.2122	-20.4217	-12.1067	-10.1659	-20.0299	-7.67606
170	-11.0203	-25.1022	-11.0215	-12.2638	-19.5358	-12.8928	-10.8007	-18.7165	-8.41688
171	-10.933	-24.7322	-11.0235	-12.169	-20.2741	-12.8571	-12.1807	-17.3554	-9.05809
172	-11.4703	-22.2136	-11.8458	-12.1253	-23.1326	-12.5931	-14.2019	-16.8927	-9.62533
173	-12.7835	-19.5126	-13.8549	-12.2913	-28.9485	-12.6825	-15.6014	-17.3841	-10.1241
174	-14.8847	-17.547	-17.7625	-12.6576	-25.6927	-13.2524	-14.4607	-18.2874	-10.4435
175	-17.2803	-16.395	-25.4285	-13.115	-19.6878	-14.0172	-12.3259	-18.2032	-10.4302
176	-18.4239	-16.0048	-25.2855	-13.6289	-16.3312	-14.5165	-10.85	-16.6397	-10.1666
177	-17.9531	-16.3525	-19.4234	-14.3834	-14.5068	-14.7058	-10.3362	-14.9451	-9.9836
178	-17.5463	-17.4554	-17.2379	-15.7421	-13.7216	-15.1115	-10.7991	-13.9827	-10.2438
179	-17.9453	-19.3438	-16.9838	-18.1174	-13.7162	-16.2715	-12.2533	-13.9777	-11.1899
Max Gain	6.981	6.696	5.414	5.467	6.333	6.667	6.478	6.430	5.923
30Dragee Max Gal	0.765	0.445	1.163	2.014	3.541	3.410	4.025	3.607	4.265

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	-19.8694	-20.6154	-20.5843	-17.2174	-18.2846	-14.9937	-16.6518	-15.87	-12.1172
-179	-22.2282	-20.2224	-26.7586	-18.2991	-23.6452	-16.1199	-19.5518	-17.9627	-13.877
-178	-22.0672	-18.902	-26.3231	-18.3914	-24.064	-16.6	-21.4992	-20.1605	-14.803
-177	-19.878	-17.9937	-20.8266	-17.7069	-18.8049	-16.252	-20.1035	-20.765	-14.2151
-176	-18.348	-17.9989	-18.2658	-17.1878	-15.9939	-15.8153	-18.3681	-19.5597	-13.3968
-175	-18.0795	-19.0537	-17.5665	-17.3841	-14.9784	-15.9528	-17.8518	-18.2748	-13.3541
-174	-19.1913	-20.9766	-18.2145	-18.4955	-15.2797	-16.9444	-18.6702	-17.6222	-14.4289
-173	-21.9755	-22.2959	-19.7855	-20.4997	-16.6176	-18.7228	-20.7947	-17.5962	-16.8722
-172	-26.5709	-20.9252	-20.9588	-22.5815	-18.3398	-20.2163	-23.7422	-17.8741	-20.772
-171	-26.7108	-18.6762	-20.0538	-22.5777	-18.931	-19.4377	-24.8887	-17.9075	-23.2937
-170	-22.351	-17.1885	-18.2146	-20.8989	-17.9666	-17.3683	-23.1949	-17.2888	-20.9237
-169	-19.7369	-16.6869	-16.8849	-19.6169	-16.9347	-15.7402	-21.51	-16.2633	-18.8991
-168	-18.6726	-17.124	-16.3705	-19.3218	-16.6363	-14.912	-20.453	-15.3659	-18.5279
-167	-18.7631	-18.3816	-16.6546	-19.9776	-17.1446	-14.8386	-19.5596	-14.9305	-19.7293
-166	-19.7178	-20.0198	-17.6829	-21.1029	-18.1702	-15.4058	-18.4404	-15.0757	-22.4887
-165	-20.9698	-20.6474	-19.3364	-21.2632	-19.008	-16.4769	-17.178	-15.7411	-25.4081
-164	-21.2916	-19.389	-21.1216	-19.64	-18.8707	-17.8517	-16.0633	-16.6347	-23.7555
-163	-20.136	-17.4155	-21.7506	-17.6439	-17.9468	-19.2609	-15.2539	-17.1582	-20.634
-162	-18.5993	-15.8902	-20.6904	-16.2677	-16.9259	-20.4833	-14.7394	-16.9291	-18.6272
-161	-17.5074	-14.955	-19.2007	-15.7197	-16.0963	-21.4773	-14.367	-16.3492	-17.5316
-160	-17.0686	-14.5991	-18.1306	-15.962	-15.4397	-22.1376	-13.927	-16.0247	-16.8559
-159	-17.2931	-14.7842	-17.6292	-16.856	-14.8697	-21.8788	-13.2651	-16.1716	-16.1319
-158	-18.1545	-15.4823	-17.6098	-17.9267	-14.3726	-20.3103	-12.399	-16.5798	-15.1206
-157	-19.6116	-16.649	-17.905	-18.268	-14.0068	-18.1695	-11.4865	-16.648	-13.9575
-156	-21.5785	-18.1285	-18.3441	-17.5321	-13.8618	-16.2585	-10.7122	-15.9572	-12.9237
-155	-23.8591	-19.4636	-18.8602	-16.5067	-14.0147	-14.8639	-10.2134	-14.8971	-12.218
-154	-26.0726	-19.915	-19.5514	-15.8623	-14.5408	-14.0168	-10.0795	-14.0802	-11.9415
-153	-27.7134	-19.2937	-20.6109	-15.7715	-15.5095	-13.6411	-10.3659	-13.8102	-12.1264
-152	-28.4132	-18.2325	-22.1876	-16.1318	-16.9801	-13.5999	-11.0952	-14.1276	-12.7546
-151	-28.2184	-17.2775	-24.1821	-16.6661	-18.9794	-13.6941	-12.2515	-14.9231	-13.7636
-150	-27.6473	-16.6323	-25.9278	-17.0584	-21.3728	-13.7169	-13.7354	-15.8649	-14.9916
-149	-27.2245	-16.3439	-26.6043	-17.2107	-23.5257	-13.5692	-15.2602	-16.4781	-16.1528
-148	-26.9429	-16.4107	-26.748	-17.338	-24.4511	-13.311	-16.3437	-16.4992	-16.9164
-147	-25.9979	-16.7992	-27.5139	-17.6979	-24.2175	-13.078	-16.6618	-16.1448	-17.1898
-146	-23.7701	-17.4007	-29.4875	-18.358	-23.5342	-12.9389	-16.3964	-15.676	-17.0744
-145	-21.0477	-18.0017	-31.7625	-19.1382	-22.4622	-12.8744	-15.9146	-15.1437	-16.6824
-144	-18.6796	-18.3174	-30.2275	-19.6959	-20.8918	-12.7947	-15.4231	-14.4954	-16.0443
-143	-16.9321	-18.2155	-26.7144	-19.8821	-19.1122	-12.6129	-14.9965	-13.7591	-15.2528
-142	-15.8146	-17.8672	-24.0578	-19.9701	-17.5149	-12.3287	-14.6871	-13.0623	-14.4686
-141	-15.2688	-17.5668	-22.2803	-20.3195	-16.2861	-11.999	-14.5339	-12.526	-13.8426
-140	-15.2321	-17.5288	-21.0655	-21.0958	-15.443	-11.7274	-14.5606	-12.1989	-13.4591
-139	-15.6219	-17.8566	-20.1932	-22.208	-14.9302	-11.5897	-14.7483	-12.0978	-13.3347
-138	-16.3432	-18.5958	-19.5569	-23.3422	-14.6609	-11.6482	-15.0283	-12.2122	-13.4419
-137	-17.2432	-19.76	-19.1208	-24.2142	-14.5747	-11.9433	-15.3098	-12.5459	-13.7405
-136	-18.1104	-21.3161	-18.844	-24.9828	-14.639	-12.5017	-15.5322	-13.1169	-14.2112
-135	-18.6779	-23.1215	-18.6625	-26.117	-14.8545	-13.3333	-15.6772	-13.9356	-14.8339
-134	-18.7482	-24.7813	-18.4767	-27.867	-15.2154	-14.4065	-15.7937	-14.97	-15.5973
-133	-18.3773	-25.732	-18.2616	-29.2646	-15.6995	-15.6557	-15.9636	-16.1261	-16.4512
-132	-17.8034	-25.9093	-18.0924	-27.8924	-16.2423	-16.9223	-16.2626	-17.2347	-17.2579
-131	-17.2772	-25.8232	-18.0712	-24.9082	-16.7342	-17.9999	-16.7354	-18.1096	-17.8412
-130	-16.9006	-25.7889	-18.2776	-22.2786	-17.0552	-18.7232	-17.3447	-18.5396	-18.0835
-129	-16.6747	-25.636	-18.7008	-20.2872	-17.0986	-19.0741	-17.9447	-18.3507	-18.0647
-128	-16.501	-25.0169	-19.2288	-18.8182	-16.8565	-19.163	-18.3106	-17.5762	-17.9656
-127	-16.2703	-23.9423	-19.6986	-17.7528	-16.4091	-19.1141	-18.2824	-16.5081	-17.9481
-126	-15.9478	-22.7985	-19.9893	-17.0197	-15.8987	-18.9991	-17.902	-15.4919	-18.0626
-125	-15.5903	-21.8872	-20.0944	-16.5607	-15.4653	-18.8406	-17.3283	-14.72	-18.1968
-124	-15.2871	-21.2954	-20.0644	-16.3233	-15.2082	-18.653	-16.6947	-14.2491	-18.1621
-123	-15.106	-20.9843	-19.928	-16.2603	-15.1811	-18.4862	-16.0921	-14.047	-17.8145
-122	-15.0814	-20.8895	-19.6956	-16.3376	-15.376	-18.4599	-15.6258	-14.0636	-17.2523
-121	-15.2107	-20.9881	-19.4087	-16.548	-15.7544	-18.7266	-15.4271	-14.2534	-16.7003
-120	-15.5047	-21.2944	-19.1442	-16.8982	-16.2275	-19.4169	-15.647	-14.6015	-16.3468
-119	-15.9921	-21.7631	-18.9555	-17.3704	-16.6526	-20.5653	-16.4136	-15.0553	-16.2306
-118	-16.7077	-22.1268	-18.8229	-17.8704	-16.8523	-21.8345	-17.8243	-15.4581	-16.226
-117	-17.6609	-21.9072	-18.6561	-18.1844	-16.7019	-22.1903	-19.7745	-15.5384	-16.1328
-116	-18.766	-20.9595	-18.3632	-18.0802	-16.2047	-21.0002	-21.5056	-15.1507	-15.8131
-115	-19.7908	-19.7325	-17.9354	-17.5358	-15.4974	-19.2252	-21.603	-14.5008	-15.348
-114	-20.3945	-18.716	-17.4563	-16.7463	-14.7696	-17.7208	-20.425	-13.9274	-14.9482
-113	-20.4135	-18.122	-17.0437	-15.9389	-14.1624	-16.6982	-19.3751	-13.6773	-14.7899
-112	-20.0284	-17.9679	-16.7899	-15.252	-13.7471	-16.1152	-18.9385	-13.866	-14.9556
-111	-19.528	-18.1583	-16.7395	-14.7537	-13.5513	-15.8871	-19.038	-14.5135	-15.4343
-110	-19.1072	-18.5249	-16.9031	-14.4664	-13.5747	-15.9119	-19.3492	-15.5812	-16.1798
-109	-18.8793	-18.8781	-17.2552	-14.4202	-13.7936	-16.1279	-19.4506	-16.9774	-17.1265
-108	-18.9378	-19.0962	-17.7521	-14.631	-14.1692	-16.4537	-19.1593	-18.5007	-18.2278
-107	-19.3686	-19.1436	-18.3027	-15.1113	-14.644	-16.7813	-18.6733	-19.8251	-19.4175
-106	-20.232	-18.9947	-18.7609	-15.8236	-15.1558	-16.9544	-18.28	-20.5543	-20.6079
-105	-21.4945	-18.5896	-18.9244	-16.6622	-15.6201	-16.8445	-18.0852	-20.5389	-21.6368
-104	-22.9291	-17.927	-18.6126	-17.3921	-15.9231	-16.4211	-17.9794	-20.0197	-22.3522
-103	-24.0529	-17.1346	-17.825	-17.6976	-15.9407	-15.7783	-17.7715	-19.3016	-22.6268
-102	-24.5132	-16.4003	-16.7697	-17.4242	-15.6285	-15.0287	-17.2593	-18.4767	-22.2158
-101	-24.51	-15.8252	-15.6879	-16.761	-15.0557	-14.2293	-16.3934	-17.4605	-20.8945
-100	-24.2835	-15.3967	-14.7666	-16.0175	-14.3937	-13.4175	-15.2604	-16.2107	-18.9774
-99	-23.5783	-14.983	-14.0646	-15.4015	-13.806	-12.6399	-14.0274	-14.838	-17.0622
-98	-22.0927	-14.4262	-13.5772	-14.9981	-13.3773	-11.9633	-12.8474	-13.5617	-15.5151
-97	-20.1363	-13.6674	-13.2366	-14.8189	-13.1374	-11.4498	-11.8392	-12.5535	-14.4535
-96	-18.2362	-12.7949	-12.9517	-14.835	-13.0614	-11.1415	-11.0919	-11.9034	-13.8777
-95	-16.6667	-11.9705	-12.6749	-15.0199	-13.1123	-11.0563	-10.648	-11.6388	-13.741
-94	-15.4874	-11.3273	-12.4264	-15.3595	-13.2827	-11.1893	-10.5247	-11.7447	-13.949
-93	-14.6807	-10.9442	-12.2771	-15.8641	-13.5823	-11.5103	-10.702	-12.1842	-14.3928
-92	-14.2266	-10.8392	-12.3132	-16.5283	-14.0316	-11.9713	-11.1346	-12.875	-14.9279
-91	-14.086	-11.0048	-12.5705	-17.2831	-14.6105	-12.4884	-11.7413	-13.7035	-15.408
-90	-14.2043	-11.3926	-13.0315	-17.9299	-15.238	-12.9325	-12.4201	-14.5022	-15.7022
-89	-14.4672	-11.9106	-13.6144	-18.1816	-15.7658	-13.1495	-13.02	-15.0786	-15.7268
-88	-14.712	-12.4239	-14.1501	-17.8857	-16.0466	-13.0481	-13.3865	-15.2666	-15.474
-87	-14.7583	-12.8113	-14.4528	-17.1451	-16.0249	-12.6467	-13.3884	-15.0456	-14.9937
-86	-14.6111	-13.0089	-14.3594	-16.1482	-15.7001	-12.0462	-13.0141	-14.5363	-14.3959
-85	-14.4299	-13.069	-13.8098	-15.0114	-15.0687	-11.3593	-12.4011	-13.9233	-13.7717
-84	-14.4179	-13.0554	-12.8696	-13.8013	-14.1711	-10.6678	-11.7706	-13.3668	-13.1854
-83	-14.66	-13.0002	-11.7201	-12.6033	-13.1577	-10.0404	-11.3097	-12.9458	-12.6884
-82	-15.0506	-12.8656	-10.5582	-11.5204	-12.2329	-9.54624	-11.1265	-12.6483	-12.2976
-81	-15.2891	-12.6117	-9.55622	-10.6437	-11.5693	-9.25227	-11.2663	-12.4171	-12.0227
-80	-15.0788	-12.249	-8.83075	-10.0348	-11.2529	-9.21281	-11.7159	-12.1567	-11.8462
-79	-14.4179	-11.8555	-8.43898	-9.7282	-11.3204	-9.45147	-12.3971	-11.8183	-11.7168
-78	-13.5898	-11.5084	-8.4184	-9.73237	-11.7474	-9.96526	-13.1492	-11.4167	-11.5639

-68	-7.27859	-9.33076	-13.365	-14.3555	-18.379	-15.2857	-11.487	-6.47815	-5.4525
-67	-6.71232	-8.60858	-12.5669	-13.4845	-17.5886	-14.4235	-10.0707	-5.56669	-4.68485
-66	-6.25277	-8.03429	-12.0371	-12.7568	-16.7187	-13.5359	-8.9697	-4.89918	-4.19926
-65	-5.93066	-7.64837	-11.892	-12.2574	-15.6972	-12.5961	-8.18565	-4.53295	-4.03102
-64	-5.74094	-7.45732	-12.184	-11.9722	-14.4657	-11.5738	-7.64769	-4.44059	-4.17752
-63	-5.66542	-7.44415	-12.9102	-11.7844	-13.0756	-10.5021	-7.26703	-4.5653	-4.59481
-62	-5.68975	-7.5933	-13.9909	-11.5277	-11.6607	-9.46685	-6.96086	-4.82238	-5.18754
-61	-5.82223	-7.89654	-15.174	-11.0719	-10.3663	-8.53864	-6.6765	-5.11182	-5.81169
-60	-6.08058	-8.33817	-15.947	-10.4194	-9.28627	-7.75349	-6.41241	-5.35792	-6.31895
-59	-6.47209	-8.88812	-15.8007	-9.6934	-8.4641	-7.1193	-6.1832	-5.52648	-6.62667
-58	-6.95869	-9.46745	-14.8293	-9.0302	-7.89817	-6.62058	-6.00522	-5.62023	-6.75405
-57	-7.41986	-9.92782	-13.5077	-8.50709	-7.55768	-6.22947	-5.87223	-5.64881	-6.762
-56	-7.65668	-10.0548	-12.1254	-8.13703	-7.38398	-5.90914	-5.75344	-5.60131	-6.67959
-55	-7.48482	-9.67052	-10.7794	-7.88908	-7.30647	-5.62573	-5.60927	-5.45444	-6.4955
-54	-6.87811	-8.78587	-9.48291	-7.71803	-7.27061	-5.36465	-5.4225	-5.22427	-6.22651
-53	-5.99976	-7.60519	-8.26523	-7.58839	-7.26636	-5.1522	-5.22527	-4.97986	-5.95135
-52	-5.06893	-6.37437	-7.17263	-7.49613	-7.33327	-5.04266	-5.09544	-4.83317	-5.79436
-51	-4.24125	-5.26762	-6.26224	-7.483	-7.55932	-5.12223	-5.13643	-4.90377	-5.86846
-50	-3.60474	-4.37765	-5.58053	-7.61334	-8.0482	-5.48238	-5.44186	-5.27979	-6.22747
-49	-3.18263	-3.72839	-5.15882	-7.96479	-8.91129	-6.21059	-6.05707	-5.98386	-6.80847
-48	-2.94934	-3.30033	-4.99716	-8.57961	-10.2392	-7.36517	-6.93054	-6.89734	-7.33841
-47	-2.82636	-3.03768	-5.06188	-9.3862	-11.9362	-8.90274	-7.80398	-7.62658	-7.34416
-46	-2.70653	-2.86069	-5.27318	-10.0163	-13.1294	-10.4049	-8.14482	-7.59804	-6.60115
-45	-2.48571	-2.6884	-5.48917	-9.77326	-12.1463	-10.7292	-7.5499	-6.70844	-5.43251
-44	-2.11879	-2.46298	-5.53857	-8.40996	-9.58063	-9.30221	-6.26943	-5.46091	-4.2786
-43	-1.63793	-2.16576	-5.29738	-6.53678	-7.02154	-7.16642	-4.79762	-4.27941	-3.34546
-42	-1.11237	-1.80744	-4.76764	-4.74003	-4.9324	-5.15439	-3.40315	-3.29283	-2.64221
-41	-0.600745	-1.40984	-4.05892	-3.23354	-3.3061	-3.46674	-2.16552	-2.46957	-2.08132
-40	-0.131378	-0.991779	-3.29797	-2.04107	-2.06196	-2.10479	-1.10493	-1.74661	-1.55788
-39	0.288662	-0.567463	-2.57439	-1.12572	-1.12138	-1.03156	-0.242035	-1.09558	-1.01981
-38	0.652625	-0.156033	-1.9354	-0.435749	-0.42443	-0.221338	0.401208	-0.54021	-0.494701
-37	0.947664	0.21556	-1.39965	0.0765983	0.071611	0.346695	0.808264	-0.130574	-0.0597164
-36	1.1493	0.519042	-0.977393	0.446345	0.394638	0.688998	0.980675	0.0979265	0.215709
-35	1.25101	0.73015	-0.669042	0.695829	0.565224	0.832743	0.949001	0.146217	0.309715
-34	1.23406	0.839522	-0.471049	0.83984	0.600285	0.810333	0.781913	0.0675668	0.265734
-33	1.1168	0.854917	-0.372615	0.88946	0.527432	0.676569	0.585396	-0.0298853	0.191289
-32	0.953777	0.807608	-0.35273	0.869111	0.392134	0.508369	0.487239	-0.0159239	0.227565
-31	0.821607	0.752626	-0.378398	0.808543	0.266081	0.406035	0.589072	0.204755	0.476829
-30	0.811945	0.751683	-0.400324	0.759998	0.243243	0.46666	0.915986	0.637442	0.935449
-29	0.90964	0.871001	-0.361572	0.800462	0.411798	0.754015	1.41798	1.20762	1.51221
-28	1.3686	1.14671	-0.212268	0.979372	0.809983	1.26407	2.02146	1.8291	2.10178
-27	1.89659	1.56413	0.0712678	1.32158	1.40368	1.92413	2.66279	2.45417	2.64125
-26	2.51129	2.07322	0.478973	1.80139	2.10312	2.65532	3.31285	3.05278	3.11055
-25	3.13551	2.61079	0.962957	2.36183	2.81589	3.37813	3.93905	3.62273	3.51715
-24	3.72576	3.12278	1.46603	2.92574	3.46069	4.01759	4.51632	4.14291	3.8647
-23	4.24517	3.56076	1.93024	3.43452	4.00927	4.53811	5.00658	4.58691	4.14446
-22	4.67299	3.91051	2.31643	3.85056	4.42584	4.90814	5.36487	4.90519	4.33586
-21	4.98958	4.14487	2.58762	4.14864	4.71916	5.11594	5.55755	5.05263	4.39723
-20	5.17393	4.26038	2.7472	4.32145	4.88788	5.15234	5.55826	4.98846	4.29742
-19	5.22454	4.27111	2.79475	4.37101	4.94813	5.02851	5.36753	4.7099	4.02059
-18	5.1329	4.17731	2.76142	4.32042	4.91992	4.77404	5.01821	4.24094	3.58764
-17	4.90943	4.00933	2.67049	4.2004	4.82111	4.43005	4.56622	3.6559	3.05566
-16	4.59482	3.8007	2.57506	4.05245	4.68738	4.05698	4.11812	3.09737	2.53957
-15	4.25721	3.6211	2.51671	3.93672	4.56538	3.73219	3.77674	2.70979	2.14964
-14	4.03804	3.55929	2.5593	3.91112	4.50242	3.52372	3.60276	2.58078	1.9536
-13	4.06599	3.69679	2.74465	4.01865	4.54731	3.48044	3.59363	2.65859	1.92605
-12	4.41099	4.0599	3.07827	4.27206	4.73339	3.60681	3.68798	2.81351	1.979
-11	5.00942	4.60172	3.51777	4.63023	5.0389	3.86573	3.80784	2.93495	2.03466
-10	5.69373	5.2124	3.99788	5.03178	5.41431	4.19892	3.9142	2.98108	2.07036
-9	6.33273	5.7958	4.44598	5.41242	5.7946	4.53441	4.00415	2.97818	2.12456
-8	6.83695	6.27878	4.81096	5.73041	6.12525	4.83445	4.10193	3.0137	2.27278
-7	7.19022	6.63542	5.06981	5.95396	6.36917	5.06442	4.23479	3.16186	2.57483
-6	7.39365	6.86242	5.2171	6.07597	6.50945	5.21635	4.42532	3.45838	3.02008
-5	7.49566	6.99385	5.27355	6.10993	6.55938	5.28526	4.64887	3.84766	3.52136
-4	7.54042	7.0645	5.27508	6.07559	6.54222	5.28849	4.85951	4.22703	3.95913
-3	7.57514	7.10745	5.2491	6.00261	6.48596	5.24255	5.01957	4.49648	4.24146
-2	7.63136	7.14575	5.24048	5.91646	6.42215	5.17775	5.09195	4.59798	4.31947
-1	7.70592	7.18101	5.26755	5.83666	6.37398	5.11921	5.07596	4.54084	4.21787
0	7.78287	7.19186	5.32113	5.77285	6.34842	5.09744	5.01607	4.38448	4.01808
1	7.83476	7.16674	5.38445	5.73016	6.33939	5.13015	4.97298	4.24727	3.87838
2	7.84313	7.09575	5.43008	5.70405	6.33679	5.23347	5.01438	4.24042	3.93937
3	7.81391	6.98887	5.44637	5.69857	6.34462	5.39662	5.15558	4.41049	4.22569
4	7.76386	6.87728	5.42777	5.71411	6.36824	5.59524	5.37073	4.68991	4.62546
5	7.72463	6.79686	5.39002	5.75694	6.4136	5.80246	5.58642	4.95919	4.97475
6	7.70806	6.76443	5.34168	5.81764	6.46769	5.98027	5.73238	5.11914	5.14846
7	7.70079	6.7597	5.27505	5.86525	6.51208	6.08766	5.75965	5.10173	5.08941
8	7.67487	6.73551	5.17352	5.87162	6.51202	6.10067	5.65193	4.90147	4.78893
9	7.57272	6.63654	4.99359	5.7897	6.43013	6.0009	5.40311	4.53075	4.28866
10	7.36407	6.41758	4.70604	5.6074	6.24741	5.79324	5.04994	4.03619	3.64813
11	7.02809	6.05248	4.29985	5.32938	5.96907	5.50247	4.62858	3.4783	2.95799
12	6.57809	5.56535	3.79618	4.98676	5.62889	5.16752	4.17729	2.92332	2.31096
13	6.06948	5.01115	3.26691	4.64367	5.2871	4.8432	3.74276	2.42358	1.77323
14	5.57693	4.47148	2.79425	4.36833	5.01459	4.56652	3.33901	1.99038	1.3703
15	5.18973	4.03986	2.48849	4.22089	4.86327	4.35472	2.9707	1.63474	1.11056
16	4.957	3.77452	2.38516	4.20223	4.82857	4.1972	2.63453	1.35385	0.982217
17	4.88088	3.66084	2.45333	4.27661	4.87303	4.047	2.33324	1.17453	0.977503
18	4.89332	3.63385	2.60382	4.37514	4.92483	3.86916	2.07961	1.13762	1.15603
19	4.92857	3.61502	2.74391	4.44329	4.93034	3.6286	1.87879	1.2595	1.41929
20	4.92E+00	3.54E+00	2.81371	4.43272	4.84227	3.31711	1.73396	1.49433	1.70984
21	4.84043	3.36487	2.79681	4.33046	4.65555	2.95386	1.62697	1.75511	1.94479
22	4.67301	3.11147	2.71318	4.14375	4.37879	2.57889	1.53549	1.94128	2.04366
23	4.44213	2.80552	2.59447	3.89737	4.03285	2.24536	1.43447	1.99952	1.98314
24	4.17223	2.48589	2.47398	3.61364	3.66368	1.97981	1.30878	1.92189	1.77246
25	3.88882	2.17259	2.34493	3.3059	3.28081	1.78573	1.15392	1.721	1.45476
26	3.60067	1.85356	2.17028	2.95579	2.88113	1.61777	0.95896	1.43287	1.08801
27	3.28772	1.50904	1.89864	2.54173	2.43795	1.4229	0.720333	1.09125	0.719969
28	2.93378	1.08774	1.49236	2.03388	1.92152	1.1668	0.438212	0.714267	0.366975
29	2.52369	0.583533	0.944908	1.42202	1.32269	0.847766	0.113901	0.306813	0.0154451
30	2.05785	-0.0047503	0.286949	0.722779	0.665646	0.493683	-0.239566	-0.129535	-0.355155
31	1.54754	-0.647146	-0.424701	-0.0221028	0.00575016	0.141448	-0.61236	-0.590813	-0.75259
32	1.00758	-1.30851	-1.12912	-0.760449	-0.597064	-0.184231	-0.998797	-1.0697	-1.16536
33	0.444394	-1.96521	-1.79973	-1.45149	-1.10909	-0.488989	-1.39803	-1.55243	-1.57743
34	-0.145449	-2.60888	-2.45258	-2.09038	-1.53888	-0.800968	-1.81279	-2.02737	-1.97699
35	-0.764737	-3.23198	-3.1377	-2.69778	-1.92852				

45	-5.94204	-5.10122	-6.01885	-5.65402	-4.37798	-4.38079	-6.90084	-5.92177	-3.75431
46	-5.85458	-4.92762	-6.13341	-5.78964	-4.62085	-4.72245	-7.3414	-6.15056	-3.78024
47	-5.73331	-4.76153	-6.3167	-6.08799	-5.02188	-5.18868	-7.90128	-6.57088	-4.02249
48	-5.66225	-4.64703	-6.43819	-6.49118	-5.53426	-5.76947	-8.58416	-7.16427	-4.45103
49	-5.71547	-4.64815	-6.43709	-6.92007	-6.0886	-6.443	-9.35878	-7.8435	-4.99235
50	-5.95166	-4.81686	-6.36892	-7.32053	-6.61353	-7.18522	-10.1852	-8.46168	-5.539
51	-6.39579	-5.18814	-6.33802	-7.67881	-7.07456	-7.96896	-11.0115	-8.8576	-5.99511
52	-7.03139	-5.7567	-6.42757	-8.01413	-7.46913	-8.75396	-11.7606	-8.93212	-6.30457
53	-7.786	-6.46398	-6.66158	-8.33809	-7.8098	-9.49254	-12.3206	-8.71737	-6.478
54	-8.54356	-7.19847	-7.01103	-8.64924	-8.11854	-10.1336	-12.6053	-8.3471	-6.57462
55	-9.16856	-7.8142	-7.39857	-8.9399	-8.42978	-10.6601	-12.6462	-7.99211	-6.68079
56	-9.58961	-8.18528	-7.71974	-9.22704	-8.78975	-11.1059	-12.5963	-7.79433	-6.88834
57	-9.83389	-8.29666	-7.85766	-9.531	-9.25102	-11.5469	-12.6307	-7.84704	-7.2648
58	-10.0015	-8.23469	-7.75025	-9.87047	-9.83258	-12.0399	-12.8574	-8.19173	-7.85335
59	-10.2122	-8.14547	-7.44932	-10.2333	-10.5175	-12.5899	-13.303	-8.82186	-8.66112
60	-10.5752	-8.15984	-7.10228	-10.5995	-11.2438	-13.1381	-13.8967	-9.68332	-9.65473
61	-11.1543	-8.36716	-6.88911	-10.9608	-11.921	-13.546	-14.4679	-10.6474	-10.7609
62	-11.9387	-8.79717	-6.95239	-11.3275	-12.4389	-13.6285	-14.7812	-11.5103	-11.8621
63	-12.7657	-9.41881	-7.3819	-11.7097	-12.6999	-13.3086	-14.6676	-12.0532	-12.808
64	-13.3059	-10.1114	-8.23201	-12.0837	-12.6639	-12.7013	-14.1507	-12.1835	-13.4918
65	-13.3002	-10.7088	-9.51355	-12.4145	-12.4169	-12.0389	-13.4418	-12.0295	-13.939
66	-12.9027	-11.1043	-11.2015	-12.6907	-12.1428	-11.5279	-12.7587	-11.8144	-14.3308
67	-12.5065	-11.3448	-13.1704	-12.9828	-12.0383	-11.2983	-12.2447	-11.7342	-14.9074
68	-12.4104	-11.5786	-15.1271	-13.4329	-12.2577	-11.4064	-11.9828	-11.8905	-15.8818
69	-12.7483	-11.9544	-16.575	-14.1968	-12.8868	-11.8568	-12.0079	-12.3295	-17.4101
70	-13.5641	-12.5465	-17.1489	-15.412	-13.9477	-12.6368	-12.3409	-13.0598	-19.5954
71	-14.8794	-13.4012	-16.9908	-17.2101	-15.4416	-13.7299	-12.9996	-14.0582	-22.3608
72	-16.75	-14.5535	-16.5456	-19.6975	-17.341	-15.1365	-14.0223	-15.2801	-24.5495
73	-19.2241	-16.0418	-16.1744	-22.5523	-19.5916	-16.8951	-15.4552	-16.5997	-23.3632
74	-21.8419	-17.7229	-16.0895	-23.4086	-21.7998	-18.9574	-17.3753	-17.6986	-20.0094
75	-22.0766	-18.8401	-16.3863	-20.8216	-22.3785	-20.6979	-19.845	-18.0455	-16.804
76	-19.4487	-18.3224	-17.0509	-17.7934	-20.4408	-20.6399	-22.7546	-17.4155	-14.2034
77	-16.8302	-16.7084	-17.9016	-15.4567	-17.9457	-18.9338	-25.1543	-16.2706	-12.1864
78	-15.0357	-15.1947	-18.5427	-13.8102	-16.0444	-17.1706	-25.3379	-15.1373	-10.6935
79	-14.0255	-14.2407	-18.5704	-12.7754	-14.9059	-16.0027	-24.0381	-14.2447	-9.65201
80	-13.6627	-13.8824	-18.0373	-12.2663	-14.5054	-15.5186	-22.825	-13.64	-8.98464
81	-13.7938	-14.035	-17.3698	-12.2122	-14.7715	-15.663	-22.0844	-13.2798	-8.61871
82	-14.2443	-14.5493	-16.9055	-12.5456	-15.631	-16.335	-21.7266	-13.1081	-8.48639
83	-14.8245	-15.2548	-16.775	-13.1652	-16.9189	-17.3607	-21.5586	-13.0762	-8.51355
84	-15.4368	-16.0365	-17.0102	-13.9587	-18.3487	-18.4899	-21.3987	-13.1516	-8.6296
85	-16.1334	-16.9177	-17.5947	-14.8273	-19.5053	-19.4487	-21.1586	-13.2843	-8.75976
86	-17.0903	-18.0856	-18.469	-15.6883	-20.1417	-20.1062	-20.8795	-13.4219	-8.8328
87	-18.4287	-19.7307	-19.5455	-16.5098	-20.3685	-20.4901	-20.6574	-13.4983	-8.81538
88	-20.0157	-21.8423	-20.6973	-17.2785	-20.3678	-20.5716	-20.5474	-13.4594	-8.71477
89	-21.1371	-23.5278	-21.8092	-17.9552	-20.183	-20.2284	-20.5015	-13.2982	-8.58314
90	-20.9267	-23.0613	-22.8432	-18.5138	-19.8266	-19.4918	-20.4078	-13.0679	-8.47745
91	-19.7822	-21.1143	-23.844	-18.9735	-19.382	-18.6375	-20.1868	-12.8185	-8.43209
92	-18.5949	-19.2603	-24.8133	-19.3964	-18.9464	-17.9507	-19.8766	-12.6039	-8.4578
93	-17.6884	-17.8927	-25.5598	-19.843	-18.5547	-17.5831	-19.5952	-12.4487	-8.54802
94	-17.0374	-16.9583	-25.7786	-20.3293	-18.1979	-17.5533	-19.4292	-12.3612	-8.68228
95	-16.5512	-16.3559	-25.4438	-20.8246	-17.8944	-17.8055	-19.3807	-12.3483	-8.84955
96	-16.1777	-16.0086	-24.8798	-21.3008	-17.7278	-18.212	-19.3793	-12.4432	-9.05425
97	-15.9093	-15.853	-24.3713	-21.7692	-17.8072	-18.6324	-19.3526	-12.6772	-9.3224
98	-15.7441	-15.8239	-23.9693	-22.2407	-18.2143	-18.9406	-19.2581	-13.1122	-9.71868
99	-15.6374	-15.827	-23.5808	-22.6463	-18.9829	-19.0443	-19.0362	-13.8036	-10.3178
100	-15.5285	-15.7589	-23.134	-22.795	-20.0455	-18.8779	-18.5494	-14.8037	-11.2013
101	-15.3597	-15.5548	-22.6562	-22.4941	-21.2039	-18.4028	-17.6348	-16.0948	-12.4338
102	-15.1586	-15.2133	-22.2283	-21.7642	-22.1421	-17.6495	-16.3232	-17.5422	-14.0181
103	-14.9936	-14.7845	-21.8632	-20.8286	-22.5752	-16.7215	-14.8689	-18.786	-15.8442
104	-14.9322	-14.3411	-21.4836	-19.9088	-22.428	-15.7452	-13.5313	-19.3514	-17.6228
105	-15.0181	-13.9204	-20.9892	-19.13	-21.7988	-14.8158	-12.4555	-19.1734	-19.037
106	-15.2249	-13.5317	-20.3857	-18.5372	-20.8541	-13.9936	-11.6884	-18.6387	-20.0774
107	-15.4837	-13.1709	-19.8087	-18.1434	-19.8038	-13.3111	-11.2138	-18.0986	-21.0461
108	-15.6968	-12.8468	-19.4236	-17.9461	-18.8593	-12.7918	-10.9944	-17.7036	-22.1364
109	-15.7702	-12.5574	-19.36	-17.9461	-18.1724	-12.4648	-10.9793	-17.5018	-23.2392
110	-15.6773	-12.3253	-19.6653	-18.142	-17.8266	-12.3391	-11.1099	-17.5333	-24.2049
111	-15.4649	-12.1554	-20.3376	-18.5307	-17.8508	-12.4209	-11.347	-17.8412	-25.2825
112	-15.2185	-12.0685	-21.3247	-19.0883	-18.2323	-12.6937	-11.6622	-18.4481	-27.0541
113	-15.0106	-12.0589	-22.5336	-19.7357	-18.9116	-13.1065	-12.0398	-19.3242	-29.5462
114	-14.881	-12.1219	-23.8344	-20.3077	-19.7332	-13.579	-12.4848	-20.3622	-29.2504
115	-14.8241	-12.2629	-25.055	-20.5847	-20.3813	-13.997	-13.0065	-21.4016	-25.4041
116	-14.8097	-12.4928	-25.9756	-20.454	-20.4414	-14.2437	-13.6137	-22.3012	-22.1601
117	-14.7968	-12.8413	-26.3956	-20.0365	-19.7556	-14.2382	-14.2953	-22.9017	-20.0633
118	-14.7539	-13.3387	-26.3603	-19.5726	-18.6161	-13.9862	-15.0222	-22.8002	-18.8481
119	-14.6774	-13.9899	-26.199	-19.2365	-17.406	-13.5771	-15.7181	-21.5597	-18.2574
120	-14.576	-14.7647	-26.2869	-19.0832	-16.3455	-13.1216	-16.2997	-19.5073	-18.073
121	-14.4606	-15.5858	-26.8495	-19.0561	-15.513	-12.7337	-16.7276	-17.3757	-18.108
122	-14.3165	-16.3229	-27.8452	-19.0011	-14.9105	-12.4983	-17.0658	-15.566	-18.1919
123	-14.1299	-16.8285	-28.6617	-18.7056	-14.5098	-12.491	-17.4767	-14.191	-18.1843
124	-13.8916	-16.999	-28.1263	-18.0287	-14.2732	-12.7586	-18.1524	-13.2317	-17.9225
125	-13.6157	-16.8259	-26.2792	-17.035	-14.1644	-13.3431	-19.2683	-12.6454	-17.3025
126	-13.361	-16.423	-24.2762	-15.9424	-14.1465	-14.2529	-20.999	-12.3853	-16.3639
127	-13.1866	-15.9728	-22.6969	-14.9775	-14.2088	-15.4741	-23.4529	-12.3997	-15.3304
128	-13.1519	-15.6744	-21.6277	-14.295	-14.3486	-16.9378	-26.2879	-12.6411	-14.4464
129	-13.3001	-15.6915	-20.9983	-13.9846	-14.5748	-18.4824	-27.6414	-13.045	-13.8893
130	-13.664	-16.1515	-20.657	-14.0755	-14.9055	-19.8608	-26.509	-13.4976	-13.7649
131	-14.2694	-17.1592	-20.3466	-14.5699	-15.3606	-20.7842	-25.0214	-13.831	-14.1254
132	-15.1325	-18.8046	-19.7387	-15.3935	-15.9683	-21.0541	-24.0672	-13.9042	-14.9593
133	-16.2821	-21.1675	-18.6373	-16.3967	-16.7728	-20.5757	-23.3408	-13.7114	-16.1023
134	-17.7088	-24.1291	-17.1579	-17.2736	-17.7945	-19.4275	-22.2609	-13.4117	-17.066
135	-19.2733	-26.506	-15.5909	-17.6619	-18.9571	-17.8865	-20.6519	-13.2081	-17.1735
136	-20.4732	-26.0802	-14.1575	-17.4179	-19.997	-16.2884	-18.8831	-13.2381	-16.4246
137	-20.5059	-23.9856	-12.9952	-16.7222	-20.4345	-14.8685	-17.325	-13.5657	-15.4907
138	-19.3849	-21.9935	-12.169	-15.8902	-20.0681	-13.7534	-16.1234	-14.1862	-14.8469
139	-17.9675	-20.4484	-11.7384	-15.1734	-19.339	-13.0116	-15.2866	-15.0616	-14.6311
140	-16.8301	-19.348	-11.7445	-14.7589	-18.8142	-12.6958	-14.7616	-16.1399	-14.8014
141	-16.1497	-18.6825	-12.2211	-14.7942	-18.8324	-12.846	-14.504	-17.3803	-15.2346
142	-15.9388	-18.4503	-13.148	-15.3983	-19.547	-13.487	-14.4847	-18.72	-15.7546
143	-16.1532	-18.6235	-14.3271	-16.677	-20.878	-14.5876	-14.7104	-19.8908	-16.1656
144	-16.7278	-19.1063	-15.1699	-18.6694	-21.8919	-15.8922	-15.2244	-20.2604	-16.3522
145	-17.5511	-19.6441	-14.972	-20.8433	-20.7296	-16.7496	-16.0608	-19.4093	-16.364
146	-18.501	-19.7628	-13.9511	-21.3318	-18.0766	-16.5058	-17.167	-17.8611	-16.3616
147	-19.4291	-19.077	-12.8902	-19.6641	-15.6458	-15.5454	-18.2091	-16.3104	-16.5127
148	-20.2205	-17.791	-12.2448	-17.8329	-13.9018	-14.624	-18.5192	-15.0536	-16.8953
149	-20.8184	-16.4423	-12.1461						

158	-21.1057	-14.3491	-13.8945	-15.4294	-14.4344	-13.1625	-14.5578	-12.0617	-15.4931
159	-21.904	-12.5314	-13.2087	-15.7926	-14.1402	-13.2131	-15.8764	-11.0534	-16.4392
160	-22.079	-11.7177	-12.6683	-17.3971	-14.5025	-13.5652	-18.3354	-10.7926	-15.9717
161	-20.5849	-11.7573	-12.1011	-20.9709	-15.3986	-13.998	-20.434	-11.2342	-13.7745
162	-18.2868	-12.5965	-11.4495	-29.066	-16.5376	-14.0592	-18.3277	-12.333	-11.372
163	-16.2896	-14.2914	-10.8305	-26.3548	-17.5309	-13.451	-15.0791	-14.0522	-9.57024
164	-14.8642	-16.99	-10.4261	-19.2183	-18.2614	-12.4593	-12.9139	-16.3469	-8.49195
165	-13.9147	-20.9039	-10.3719	-15.6637	-19.1984	-11.5934	-11.7829	-19.2118	-8.06969
166	-13.2118	-25.0843	-10.7108	-13.6807	-20.9749	-11.1473	-11.4021	-22.8942	-8.16999
167	-12.5269	-24.4551	-11.3531	-12.6157	-23.6793	-11.2269	-11.4247	-28.2138	-8.57252
168	-11.7764	-21.6197	-12.071	-12.1653	-24.0962	-11.824	-11.4643	-31.1752	-8.98937
169	-11.073	-19.7577	-12.6127	-12.1734	-20.7214	-12.8492	-11.3029	-25.2142	-9.24918
170	-10.6241	-18.753	-12.9746	-12.57	-17.8937	-14.1405	-11.0936	-21.1049	-9.50714
171	-10.6007	-18.2328	-13.4646	-13.3371	-16.4096	-15.4325	-11.1917	-18.6914	-10.1407
172	-11.1088	-17.8579	-14.4487	-14.435	-16.0439	-16.4072	-11.891	-17.2739	-11.5394
173	-12.1729	-17.4026	-16.1191	-15.647	-16.4297	-16.7673	-13.3153	-16.3867	-13.9576
174	-13.6767	-16.8517	-18.0848	-16.4407	-16.7973	-16.3471	-15.2104	-15.6619	-16.5638
175	-15.1981	-16.3971	-18.6995	-16.3363	-16.2554	-15.3647	-16.3745	-14.9058	-15.7964
176	-16.1142	-16.2895	-17.4748	-15.6908	-15.0649	-14.3175	-15.7432	-14.2001	-13.0125
177	-16.3914	-16.7231	-16.2855	-15.1973	-14.1772	-13.618	-14.6011	-13.7645	-11.113
178	-16.7409	-17.8096	-16.1373	-15.2678	-14.1649	-13.4774	-14.1671	-13.8066	-10.4167
179	-17.8103	-19.399	-17.3907	-15.9944	-15.3713	-13.9691	-14.8065	-14.4785	-10.8044
Max Gain	7.843	7.192	5.446	6.110	6.559	6.101	5.760	5.119	5.148
30Dragee Max Gal	1.251	0.855	-0.212	2.956	2.881	4.538	4.516	3.623	3.517

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	-18.3108	-23.2651	-17.3702	-22.241	-14.5821	-17.5649	-16.2973	-14.2691	-13.1845
-179	-18.1798	-29.0254	-18.6417	-24.8918	-16.4798	-18.2694	-19.9847	-15.1888	-15.6871
-178	-17.1305	-25.1249	-18.2139	-22.1607	-17.6024	-17.4677	-22.8039	-16.2326	-17.6525
-177	-15.996	-21.4655	-16.7714	-19.1193	-17.0923	-16.0665	-21.0773	-16.8292	-17.3602
-176	-15.4986	-20.2641	-15.8393	-17.6354	-16.1453	-15.2154	-19.0551	-16.8892	-16.3423
-175	-15.9333	-20.9607	-15.9064	-17.4857	-15.8055	-15.3109	-18.9961	-16.9502	-16.1646
-174	-17.402	-23.3207	-17.0089	-18.4233	-16.3526	-16.4605	-18.9162	-17.5033	-17.1031
-173	-19.7481	-24.888	-18.711	-19.9729	-17.7142	-18.6444	-20.2181	-18.6252	-18.7347
-172	-21.3425	-21.6409	-19.3498	-20.85	-19.4232	-20.9082	-21.5661	-19.6868	-19.349
-171	-19.993	-18.1412	-17.8924	-20.0247	-20.3674	-20.5045	-22.0826	-19.3442	-17.8314
-170	-17.8161	-15.9481	-16.1179	-18.6279	-20.1027	-18.238	-21.8383	-17.6701	-15.9549
-169	-16.3698	-14.8413	-15.1222	-17.7252	-19.733	-16.436	-21.499	-15.9356	-14.7814
-168	-15.7409	-14.5934	-15.0715	-17.5983	-20.1402	-15.4738	-21.2409	-14.6781	-14.3976
-167	-15.7046	-15.0421	-15.9715	-18.3002	-21.4964	-15.1867	-20.7403	-13.9022	-14.6926
-166	-15.9699	-16.0411	-17.8238	-19.9714	-22.8302	-15.3715	-19.6694	-13.4789	-15.4986
-165	-16.2421	-17.3522	-20.4634	-22.9019	-21.6261	-15.8278	-18.1022	-13.2755	-16.571
-164	-16.3101	-18.5005	-22.6625	-26.6595	-18.7398	-16.3885	-16.3686	-13.222	-17.438
-163	-16.1904	-18.8149	-22.3046	-25.1977	-16.2793	-16.9132	-14.729	-13.3179	-17.4547
-162	-16.0125	-18.144	-20.6798	-20.6906	-14.6191	-17.3041	-13.33	-13.5744	-16.4298
-161	-15.9163	-17.058	-19.537	-17.4792	-13.6619	-17.4419	-12.223	-13.9921	-14.8941
-160	-15.9828	-16.1142	-19.1798	-15.4324	-13.281	-17.2222	-11.4156	-14.482	-13.4184
-159	-16.2548	-15.5932	-19.5402	-14.2426	-13.3763	-16.6564	-10.8916	-14.9119	-12.2745
-158	-16.7525	-15.6011	-20.4912	-13.7319	-13.8768	-15.8953	-10.6155	-15.1597	-11.5459
-157	-17.4279	-16.2075	-21.7871	-13.7945	-14.701	-15.1259	-10.5651	-15.2363	-11.2357
-156	-18.1539	-17.437	-22.8777	-14.3625	-15.7581	-14.4846	-10.7313	-15.2782	-11.3217
-155	-18.746	-19.2212	-23.0313	-15.3808	-16.9063	-14.0404	-11.1314	-15.4287	-11.7442
-154	-19.0895	-21.1003	-22.1691	-16.7749	-17.9618	-13.7965	-11.8147	-15.7168	-12.4341
-153	-19.2707	-21.9382	-20.882	-18.455	-18.7307	-13.7098	-12.8174	-16.047	-13.2914
-152	-19.5063	-21.2385	-19.6064	-20.2933	-19.0845	-13.6918	-14.1747	-16.1808	-14.1865
-151	-19.9843	-20.0299	-18.5021	-22.2012	-19.0095	-13.6643	-15.8763	-15.9011	-14.9887
-150	-20.8125	-19.0555	-17.6528	-24.2034	-18.58	-13.5925	-17.8242	-15.2672	-15.5905
-149	-22.031	-18.4259	-17.1334	-26.2525	-17.9365	-13.5508	-19.7463	-14.5385	-15.9559
-148	-23.6053	-18.0347	-17.019	-27.3882	-17.2518	-13.6591	-21.2006	-13.9796	-16.1298
-147	-25.2272	-17.7105	-17.3662	-26.1478	-16.6942	-14.0405	-21.9079	-13.7218	-16.2062
-146	-25.9306	-17.3483	-18.206	-23.7947	-16.3771	-14.7653	-22.0385	-13.7859	-16.2727
-145	-24.9414	-16.9178	-19.4854	-21.8682	-16.3599	-15.8242	-21.8816	-14.1019	-16.3953
-144	-23.1958	-16.4591	-21.0283	-20.7298	-16.6555	-17.0002	-21.5087	-14.5272	-16.5663
-143	-21.7367	-16.0679	-22.3945	-20.3768	-17.2214	-17.7556	-20.8401	-14.8585	-16.7345
-142	-20.9096	-15.8304	-23.0329	-20.7513	-17.9531	-17.5323	-19.876	-14.9264	-16.773
-141	-20.7609	-15.8144	-22.8173	-21.7795	-18.6801	-16.467	-18.7578	-14.6897	-16.5612
-140	-21.2429	-16.0688	-22.0909	-23.339	-19.2105	-15.217	-17.66	-14.2366	-16.0529
-139	-22.2141	-16.6063	-21.1765	-25.1891	-19.4428	-14.155	-16.6838	-13.7012	-15.3357
-138	-23.3529	-17.3925	-20.2591	-26.9286	-19.4432	-13.4205	-15.8606	-13.2193	-14.5825
-137	-24.1098	-18.3288	-19.4615	-28.0965	-19.4024	-13.04	-15.2019	-12.9163	-13.9615
-136	-24.0398	-19.216	-18.8541	-28.3647	-19.5232	-13.014	-14.744	-12.896	-13.578
-135	-23.252	-19.8077	-18.438	-27.6923	-19.9569	-13.3399	-14.5509	-13.2459	-13.502
-134	-22.1233	-19.977	-18.155	-26.4478	-20.7632	-14.02	-14.72	-14.0323	-13.7531
-133	-20.9446	-19.8236	-17.9271	-25.148	-21.7637	-15.0717	-15.3434	-15.2805	-14.3145
-132	-19.8966	-19.5613	-17.7318	-24.0822	-22.2912	-16.5189	-16.511	-16.9666	-15.1181
-131	-19.0889	-19.3514	-17.6154	-23.2954	-21.567	-18.3744	-18.256	-18.9112	-16.0045
-130	-18.5499	-19.2624	-17.677	-22.6868	-19.9527	-20.5908	-20.3624	-20.6152	-16.6945
-129	-18.2296	-19.291	-17.9995	-22.1149	-18.3326	-22.9	-21.9564	-21.3716	-16.8866
-128	-18.0164	-19.3896	-18.6165	-21.4742	-17.1167	-24.6588	-22.0405	-21.0946	-16.509
-127	-17.7876	-19.4795	-19.4817	-20.7299	-16.3924	-25.3454	-21.2942	-20.3901	-15.7769
-126	-17.5015	-19.4736	-20.4546	-19.9001	-16.1061	-25.2555	-20.8361	-19.7256	-14.9918
-125	-17.1846	-19.3197	-21.3203	-19.0313	-16.1727	-24.7975	-21.0304	-19.2468	-14.3432
-124	-16.9098	-19.0445	-21.9075	-18.1928	-16.4744	-23.9688	-21.742	-18.9244	-13.939
-123	-16.6847	-18.7543	-22.2207	-17.4607	-16.8449	-22.8094	-22.3831	-18.6555	-13.8186
-122	-16.5205	-18.5894	-22.3875	-16.9068	-17.1119	-21.6326	-22.1744	-18.3485	-13.9928
-121	-16.4353	-18.6956	-22.4955	-16.5649	-17.179	-20.7372	-21.2042	-18.0057	-14.4427
-120	-16.5173	-19.1758	-22.5187	-16.4469	-17.0624	-20.2127	-20.2488	-17.7336	-15.1006
-119	-16.8952	-20.1388	-22.3556	-16.5128	-16.8502	-19.9214	-19.7701	-17.6612	-15.847
-118	-17.703	-21.6794	-21.9536	-16.7126	-16.6167	-19.5521	-19.8454	-17.8633	-16.4997
-117	-19.0203	-23.8724	-21.3675	-16.9647	-16.393	-18.8449	-20.3149	-18.3338	-16.9304
-116	-20.8032	-26.6357	-20.713	-17.1857	-16.1789	-17.8698	-20.8308	-19.0021	-17.1247
-115	-22.6586	-29.1709	-20.0813	-17.2728	-15.9783	-16.9278	-21.047	-19.7887	-17.2259
-114	-23.7121	-29.8938	-19.5122	-17.1291	-15.805	-16.2588	-20.9576	-20.679	-17.3577
-113	-23.5566	-29.2361	-19.0081	-16.7095	-15.6904	-15.9535	-20.8226	-21.7098	-17.5672
-112	-22.828	-28.7316	-18.5588	-16.0726	-15.6163	-15.9849	-20.7359	-22.7996	-17.8656
-111	-22.004	-28.7711	-18.1624	-15.3692	-15.5496	-16.2437	-20.4463	-23.5176	-18.2693
-110	-21.13	-28.9634	-17.8323	-14.7413	-15.4347	-16.5441	-19.6503	-23.3092	-18.8823
-109	-20.2445	-28.5486	-17.5898	-14.2989	-15.254	-16.6849	-18.4594	-22.3308	-19.8665
-108	-19.5479	-27.2222	-17.4545	-14.095	-15.0542	-16.574	-17.279	-21.2034	-21.3757
-107	-19.2804	-25.4698	-17.4382	-14.1307	-14.9258	-16.2654	-16.3724	-20.2287	-23.3791
-106	-19.622	-23.7643	-17.5407	-14.3693	-14.9364	-15.8901	-15.8028	-19.3837	-25.1649
-105	-20.6764	-22.2676	-17.7424	-14.7312	-15.1166	-15.5604	-15.4938	-18.5526	-25.2739
-104	-22.4293	-21.0122	-18.004	-15.1217	-15.4246	-15.3168	-15.3181	-17.6934	-23.8944
-103	-24.4376	-20.0232	-18.2719	-15.4255	-15.7773	-15.141	-15.1425	-16.8002	-22.2639
-102	-25.3366	-19.3241	-18.5025	-15.5681	-16.0435	-14.9357	-14.8428	-15.8827	-20.6569
-101	-24.3847	-18.9101	-18.6878	-15.5089	-16.0758	-14.6061	-14.3385	-14.8967	-18.9523
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-99	-21.2898	-18.43	-18.9078	-14.8357	-15.2987	-13.5786	-12.6901	-12.7627	-15.6525
-98	-19.8899	-17.8217	-18.7474	-14.3836	-14.6851	-13.0764	-11.7793	-11.8243	-14.444
-97	-18.5106	-16.7413	-18.1965	-13.9832	-14.1364	-12.7265	-11.0161	-11.1268	-13.6485
-96	-17.1826	-15.4087	-17.2712	-13.7282	-13.7719	-12.5835	-10.5012	-10.7321	-13.2462
-95	-15.9888	-14.1449	-16.2231	-13.6672	-13.6607	-12.6495	-10.2662	-10.6468	-13.1641
-94	-14.979	-13.1608	-15.3363	-13.822	-13.8181	-12.8848	-10.2947	-10.8333	-13.3048
-93	-14.1757	-12.5484	-14.7883	-14.2022	-14.2359	-13.2292	-10.522	-11.2148	-13.5595
-92	-13.5557	-12.3326	-14.6752	-14.8082	-14.8767	-13.5987	-10.8507	-11.6922	-13.8333
-91	-13.111	-12.4924	-15.0296	-15.6515	-15.689	-13.9047	-11.175	-12.1431	-14.0626
-90	-12.8234	-12.9641	-15.8345	-16.7322	-16.59	-14.0887	-11.4227	-12.466	-14.225
-89	-12.6659	-13.6259	-16.9672	-17.9944	-17.4895	-14.1494	-11.5499	-12.6047	-14.3211
-88	-12.5907	-14.2684	-18.1305	-19.208	-18.235	-14.1118	-11.5667	-12.5492	-14.3869
-87	-12.5496	-14.6586	-18.7825	-19.9418	-18.6632	-14.0073	-11.4891	-12.3229	-14.4185
-86	-12.4984	-14.6501	-18.5582	-19.8339	-18.6196	-13.7995	-11.3373	-11.9721	-14.4039
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-84	-12.3454	-13.4737	-16.4964	-17.846	-17.1587	-12.7697	-10.8215	-11.11	-14.1442
-83	-12.2339	-12.5045	-15.2423	-16.5635	-16.0987	-11.951	-10.4862	-10.761	-14.0095
-82	-12.0519	-11.4441	-13.9959	-15.2763	-15.0938	-11.1005	-10.1847	-10.5838	-14.0359
-81	-11.7494	-10.433	-12.8432	-14.0853	-14.2884	-10.3713	-10.0139	-10.6443	-14.2908
-80	-11.3259	-9.58992	-11.8819	-13.083	-13.762	-9.86152	-10.0527	-10.9412	-14.6959
-79	-10.8188	-8.9738	-11.1938	-12.3516	-13.5372	-9.61576	-10.3345	-11.3962	-14.9875
-78	-10.2837	-8.59907	-10.8161	-11.9289	-13.5926	-9.62971	-10.8249	-11.8452	-14.8501

-68	-7.79534	-7.27162	-10.2	-13.8423	-26.5454	-15.9844	-14.4301	-8.20018	-7.80843
-67	-7.88638	-7.12691	-9.62677	-12.9432	-24.639	-15.8892	-13.3591	-7.17538	-6.61918
-66	-7.86307	-6.95067	-9.15424	-12.3017	-22.4183	-15.1752	-12.2657	-6.32996	-5.67682
-65	-7.72718	-6.73417	-8.78685	-11.8854	-20.1335	-13.896	-11.1882	-5.68088	-5.03265
-64	-7.52446	-6.48421	-8.50107	-11.5851	-17.6953	-12.3082	-10.1121	-5.21307	-4.69504
-63	-7.32578	-6.24835	-8.26381	-11.2818	-15.2671	-10.6902	-9.04396	-4.88456	-4.62968
-62	-7.21736	-6.0903	-8.07991	-10.9161	-13.0821	-9.22432	-8.0046	-4.63279	-4.75848
-61	-7.25594	-6.07663	-7.98716	-10.523	-11.2841	-8.00536	-7.03563	-4.40753	-4.96834
-60	-7.45948	-6.23992	-8.03519	-10.2015	-9.91616	-7.06688	-6.19665	-4.19933	-5.14664
-59	-7.77234	-6.55748	-8.22288	-10.0175	-8.97381	-6.40571	-5.54218	-4.03928	-5.23355
-58	-8.0588	-6.9385	-8.48053	-9.96246	-8.40648	-5.98193	-5.09952	-3.97413	-5.23625
-57	-8.15127	-7.23375	-8.64616	-9.92347	-8.13421	-5.73003	-4.85637	-4.02565	-5.1846
-56	-7.96229	-7.30078	-8.5479	-9.74931	-8.03764	-5.56543	-4.75731	-4.16231	-5.07898
-55	-7.547	-7.08882	-8.13338	-9.34841	-7.97976	-5.39985	-4.71028	-4.29984	-4.89498
-54	-7.02561	-6.66281	-7.51609	-8.8005	-7.86802	-5.18894	-4.63249	-4.34945	-4.62619
-53	-6.48699	-6.12938	-6.85955	-8.29231	-7.71552	-4.95491	-4.49733	-4.28676	-4.32085
-52	-5.95449	-5.57977	-6.28244	-7.98934	-7.6422	-4.77655	-4.35795	-4.17985	-4.06534
-51	-5.4248	-5.07432	-5.84506	-7.99291	-7.79711	-4.75481	-4.30851	-4.14012	-3.9305
-50	-4.90345	-4.65324	-5.56553	-8.3327	-8.31086	-4.97638	-4.42839	-4.25632	-3.94489
-49	-4.41407	-4.3368	-5.43874	-8.95243	-9.26486	-5.49273	-4.74287	-4.54072	-4.05736
-48	-3.97948	-4.12657	-5.42744	-9.63899	-10.607	-6.2892	-5.18885	-4.91081	-4.15003
-47	-3.60721	-3.99511	-5.45616	-9.9645	-11.8767	-7.19949	-5.58501	-5.17026	-4.06685
-46	-3.28081	-3.89216	-5.41869	-9.52082	-11.9432	-7.77995	-5.64722	-5.08563	-3.71683
-45	-2.96338	-3.7577	-5.20225	-8.38368	-10.385	-7.50108	-5.17288	-4.57066	-3.14276
-44	-2.61282	-3.53539	-4.7592	-6.98541	-8.26862	-6.37411	-4.24541	-3.75813	-2.47266
-43	-2.19668	-3.18179	-4.10933	-5.6282	-6.33539	-4.92405	-3.12852	-2.86596	-1.81941
-42	-1.70428	-2.67919	-3.31805	-4.40507	-4.73249	-3.53835	-2.03592	-2.036	-1.23356
-41	-1.14897	-2.04714	-2.45484	-3.3062	-3.41186	-2.35467	-1.06753	-1.31697	-0.700258
-40	-0.572635	-1.34273	-1.58293	-2.29788	-2.30252	-1.37645	-0.249286	-0.7096	-0.185193
-39	-0.0276895	-0.645751	-0.766102	-1.37552	-1.3627	-0.583425	0.417745	-0.200923	0.331712
-38	0.4361	-0.0324426	-0.0584815	-0.563885	-0.58617	0.0418308	0.932083	0.208373	0.832016
-37	0.783406	0.44551	0.496346	0.0969977	0.00684389	0.500265	1.2833	0.504339	1.26842
-36	0.998707	0.774322	0.883361	0.576099	0.392523	0.782556	1.45966	0.66802	1.59703
-35	1.09051	0.955931	1.10796	0.852426	0.559268	0.887007	1.46285	0.706793	1.7982
-34	1.08917	1.04083	1.20356	0.951639	0.525668	0.833123	1.32438	0.667474	1.89213
-33	1.04094	1.08242	1.2218	0.918199	0.346072	0.675895	1.12583	0.641965	1.93624
-32	0.998873	1.13679	1.22173	0.822274	0.122853	0.515099	0.992272	0.740067	2.00545
-31	1.01788	1.24259	1.25528	0.748377	-0.0161456	0.47687	1.05725	1.03281	2.15775
-30	1.12569	1.41157	1.34576	0.76258	0.0389398	0.658581	1.37864	1.50145	2.40705
-29	1.34241	1.6357	1.50228	0.89508	0.313592	1.07232	1.90927	2.06298	2.71952
-28	1.65697	1.894	1.71149	1.13254	0.752755	1.64147	2.5358	2.62292	3.04471
-27	2.06094	2.18772	1.95175	1.43277	1.26767	2.25934	3.15616	3.11866	3.34163
-26	2.5431	2.51727	2.23034	1.78021	1.78923	2.84827	3.70423	3.52218	3.58731
-25	3.08609	2.89245	2.55346	2.16409	2.28605	3.36425	4.15263	3.83155	3.78218
-24	3.65342	3.31094	2.92818	2.57561	2.75497	3.78751	4.49789	4.05128	3.92973
-23	4.20052	3.74611	3.34879	3.01825	3.20299	4.12414	4.7422	4.18765	4.02998
-22	4.672	4.1533	3.78445	3.47418	3.63329	4.38813	4.90099	4.25035	4.07757
-21	5.01527	4.46846	4.18635	3.90389	4.03008	4.57915	4.97286	4.23998	4.07228
-20	5.18794	4.65445	4.51241	4.26876	4.36407	4.7001	4.97125	4.14991	4.00745
-19	5.17465	4.68229	4.72005	4.53202	4.60907	4.74695	4.89673	3.99794	3.89052
-18	4.98979	4.56522	4.80791	4.67415	4.741	4.72012	4.75757	3.80673	3.74169
-17	4.67865	4.36469	4.79817	4.70913	4.76175	4.61726	4.57591	3.62671	3.58815
-16	4.34783	4.17545	4.75573	4.68265	4.69479	4.47133	4.38349	3.5001	3.46216
-15	4.14274	4.13028	4.77083	4.66855	4.60787	4.33202	4.22092	3.44961	3.37312
-14	4.20329	4.33119	4.92533	4.74809	4.58501	4.25655	4.12929	3.46265	3.30561
-13	4.58127	4.77103	5.25408	4.96399	4.69033	4.31181	4.12109	3.49927	3.24146
-12	5.18345	5.3511	5.70879	5.30669	4.94858	4.50747	4.20061	3.52359	3.15452
-11	5.85058	5.94888	6.2073	5.71199	5.31265	4.81561	4.32673	3.52169	3.05937
-10	6.45618	6.46097	6.65162	6.10106	5.706	5.14725	4.46226	3.49435	2.98226
-9	6.91634	6.83265	6.98072	6.39983	6.0397	5.42337	4.56829	3.47541	2.97177
-8	7.20121	7.04665	7.15922	6.57242	6.25241	5.58625	4.62349	3.49489	3.06517
-7	7.31939	7.12168	7.19207	6.60846	6.32069	5.60129	4.62429	3.56263	3.25878
-6	7.31517	7.10047	7.1093	6.52313	6.24971	5.48461	4.59068	3.66823	3.51386
-5	7.24336	7.03594	6.9704	6.36113	6.07238	5.28062	4.5497	3.78625	3.74992
-4	7.16414	6.98679	6.8302	6.17706	5.86212	5.0648	4.54138	3.87139	3.90682
-3	7.11694	6.97926	6.73753	6.02388	5.69151	4.92164	4.57878	3.90049	3.9451
-2	7.11731	7.00482	6.6992	5.92579	5.60573	4.91141	4.66238	3.87224	3.86682
-1	7.13819	7.03054	6.68806	5.86898	5.60164	5.02137	4.766	3.81649	3.73891
0	7.14574	7.0181	6.65672	5.82989	5.65127	5.19423	4.87444	3.79464	3.67278
1	7.11464	6.94471	6.57139	5.78865	5.69875	5.36205	4.98271	3.86781	3.78967
2	7.04653	6.82269	6.42446	5.73487	5.72243	5.4768	5.09476	4.06424	4.12183
3	6.96012	6.67796	6.24994	5.69966	5.72787	5.54356	5.23438	4.35807	4.58993
4	6.89014	6.55691	6.10135	5.70921	5.74281	5.57803	5.39759	4.67997	5.05256
5	6.86044	6.49359	6.02673	5.77957	5.80244	5.61738	5.56997	4.95098	5.37994
6	6.8794	6.4889	6.03895	5.89815	5.9041	5.6814	5.72279	5.1212	5.49863
7	6.91713	6.50323	6.10233	6.01643	6.0228	5.75543	5.80293	5.15758	5.38082
8	6.93081	6.48106	6.13856	6.08012	6.10979	5.80219	5.77004	5.05029	5.03517
9	6.87486	6.36854	6.07445	6.04209	6.10353	5.77201	5.59842	4.79722	4.49256
10	6.72025	6.1372	5.87407	5.88606	5.98912	5.64266	5.28207	4.42321	3.82717
11	6.47361	5.79295	5.53424	5.62984	5.76607	5.41602	4.83691	3.95237	3.11941
12	6.15971	5.37035	5.08794	5.33306	5.47018	5.11533	4.31517	3.43208	2.46323
13	5.83249	4.92609	4.62072	5.05154	5.17054	4.79531	3.78274	2.91015	1.92538
14	5.53439	4.52263	4.21217	4.84856	4.92887	4.50368	3.28691	2.44077	1.52883
15	5.2904	4.18879	3.922	4.74859	4.77569	4.25735	2.8616	2.05924	1.25633
16	5.08963	3.92034	3.75657	4.71341	4.69163	4.04007	2.49451	1.76762	1.07953
17	4.91218	3.68552	3.66369	4.6945	4.61981	3.8058	2.1628	1.58475	0.978268
18	4.71563	3.44629	3.58125	4.63778	4.49724	3.52267	1.84557	1.48439	0.938651
19	4.49721	3.18119	3.47023	4.51276	4.28353	3.16695	1.53723	1.45808	0.947735
20	4.24468	2.89431	3.31631	4.31531	3.97364	2.75177	1.25087	1.4758	0.976128
21	3.97655	2.60395	3.12902	4.06435	3.58689	2.31123	1.00783	1.50408	0.991129
22	3.7206	2.34904	2.93842	3.78708	3.16561	1.91595	0.830087	1.51366	0.962735
23	3.49997	2.16201	2.77423	3.51616	2.766	1.62173	0.728796	1.50049	0.875829
24	3.33281	2.05637	2.64765	3.26897	2.4341	1.45059	0.688544	1.44993	0.733269
25	3.21707	2.01079	2.53996	3.04262	2.17864	1.36613	0.668836	1.36191	0.547411
26	3.13233	1.98157	2.40973	2.81068	1.96684	1.29832	0.617367	1.23743	0.331973
27	3.0449	1.91507	2.21165	2.54213	1.73496	1.16989	0.489474	1.05584	0.093586
28	2.92785	1.77182	1.91419	2.20473	1.42358	0.945474	0.266884	0.808177	-0.168907
29	2.75439	1.53002	1.51153	1.78204	0.99845	0.623776	-0.0388987	0.496664	-0.453621
30	2.51624	1.18475	1.01549	1.27213	0.462277	0.240051	-0.393573	0.136096	-0.756959
31	2.19418	0.735084	0.444269	0.682132	-0.151507	-0.157448	0.764085	-0.254011	-1.07723
32	1.76992	0.173075	-0.199775	0.0151479	-0.79404	-0.538969	-1.14459	-0.666977	-1.41695
33	1.21979	-0.523461	-0.936764	-0.731274	-1.43009	-0.912491	-1.55958	-1.11512	-1.78947
34	0.518987	-1.38388	-1.80838	-1.56568	-2.05087	-1.3183	-2.04888	-1.62058	-2.21566
35	-0.344369	-2.42927	-2.85805	-2.48464	-2.66071	-1.79454	-2.6476		

45	-6.50781	-9.27398	-10.708	-6.17474	-4.98541	-4.6093	-6.63067	-5.62716	-5.08646
46	-6.5245	-9.47289	-11.4209	-6.38975	-5.06178	-4.7375	-6.79485	-5.8038	-5.24557
47	-6.63812	-9.77877	-12.2709	-6.74834	-5.33336	-4.99199	-7.13358	-6.17291	-5.53722
48	-6.86555	-10.1537	-12.9809	-7.19705	-5.78292	-5.36575	-7.65476	-6.68888	-5.89807
49	-7.22768	-10.6021	-13.3446	-7.67663	-6.37092	-5.84294	-8.35854	-7.26458	-6.26151
50	-7.75783	-11.1802	-13.4521	-8.15881	-7.043	-6.41531	-9.2513	-7.80023	-6.59952
51	-8.48743	-11.996	-13.5747	-8.64225	-7.75231	-7.08	-10.3429	-8.2167	-6.93276
52	-9.42333	-13.1558	-13.9105	-9.11872	-8.45181	-7.82832	-11.6086	-8.4788	-7.30097
53	-10.5046	-14.6957	-14.4496	-9.54293	-9.07834	-8.60565	-12.9495	-8.59465	-7.71918
54	-11.5659	-16.4975	-14.9933	-9.85685	-9.55377	-9.31123	-14.0968	-8.59838	-8.17374
55	-12.3852	-18.1519	-15.2751	-10.0243	-9.85676	-9.83721	-14.7157	-8.55246	-8.64122
56	-12.7882	-19.0171	-15.1408	-10.0655	-10.0576	-10.1699	-14.7099	-8.53036	-9.1118
57	-12.8198	-18.9139	-14.6658	-10.0308	-10.2791	-10.3998	-14.3502	-8.58331	-9.59922
58	-12.6416	-18.3661	-14.0326	-9.95848	-10.5962	-10.66	-13.9628	-8.72908	-10.1016
59	-12.4427	-17.8796	-13.4329	-9.88159	-10.9976	-11.0233	-13.6949	-8.93157	-10.5717
60	-12.3532	-17.7103	-13.0137	-9.84021	-11.4008	-11.4533	-13.5422	-9.13877	-10.9493
61	-12.4645	-17.9126	-12.8853	-9.90527	-11.711	-11.8303	-13.4047	-9.30188	-11.2253
62	-12.8162	-18.3469	-13.1025	-10.1465	-11.9143	-12.0262	-13.1554	-9.41367	-11.4833
63	-13.3446	-18.4718	-13.6278	-10.6201	-12.0681	-12.0059	-12.7239	-9.50406	-11.848
64	-13.8764	-17.7181	-14.2946	-11.3278	-12.2365	-11.8481	-12.1658	-9.59398	-12.3863
65	-14.191	-16.2744	-14.8199	-12.2315	-12.4527	-11.6903	-11.6205	-9.69511	-13.0669
66	-14.2419	-14.8513	-15.001	-13.2667	-12.7306	-11.6442	-11.2452	-9.81961	-13.7533
67	-14.232	-13.8461	-14.9479	-14.3949	-13.145	-11.7892	-11.1407	-10.0178	-14.2975
68	-14.4308	-13.3548	-14.93	-15.6545	-13.8137	-12.1787	-11.3667	-10.3679	-14.6929
69	-15.0232	-13.3586	-15.1347	-17.1308	-14.8916	-12.8493	-11.9358	-10.9781	-15.0958
70	-16.1003	-13.7652	-15.5722	-18.8628	-16.5204	-13.8385	-12.8473	-11.9475	-15.7236
71	-17.7075	-14.4917	-16.1435	-20.6786	-18.7465	-15.1642	-14.0774	-13.354	-16.7259
72	-19.8705	-15.4674	-16.7393	-22.0501	-21.1984	-16.7922	-15.6359	-15.2558	-18.1268
73	-22.2795	-16.5688	-17.3496	-22.3923	-22.2894	-18.4872	-17.5381	-17.6383	-19.7014
74	-22.7577	-17.3606	-17.985	-21.7287	-20.9211	-19.5517	-19.7453	-20.2718	-20.5686
75	-19.8708	-16.9822	-18.4408	-20.4777	-18.6907	-19.1984	-21.6668	-22.4498	-19.7533
76	-16.5562	-15.3383	-18.2529	-18.9967	-16.6563	-17.8079	-21.7809	-23.2451	-17.8198
77	-14.0278	-13.3833	-17.2642	-17.5917	-15.0234	-16.3009	-20.144	-22.8366	-15.8229
78	-12.3306	-11.7901	-15.9919	-16.503	-13.8245	-15.1385	-18.4228	-22.0446	-14.165
79	-11.3673	-10.739	-14.9555	-15.8628	-13.0911	-14.4307	-17.3404	-21.2293	-12.9018
80	-11.046	-10.2282	-14.381	-15.7391	-12.8339	-14.1891	-16.9998	-20.4105	-11.9928
81	-11.2856	-10.1945	-14.3011	-16.1306	-13.056	-14.3873	-17.3939	-19.5396	-11.3832
82	-11.9755	-10.5402	-14.6509	-17	-13.7202	-14.9699	-18.4652	-18.637	-11.0172
83	-12.9769	-11.1418	-15.295	-18.2662	-14.7649	-15.8603	-20.1188	-17.8318	-10.8518
84	-14.1423	-11.8892	-16.0712	-19.8104	-16.0534	-16.9245	-22.1318	-17.2535	-10.8454
85	-15.4022	-12.7233	-16.8288	-21.4996	-17.4182	-17.9659	-24.0782	-17.0338	-10.9595
86	-16.8867	-13.692	-17.512	-23.2622	-18.6639	-18.7553	-25.3944	-17.2049	-11.1398
87	-18.9139	-14.8863	-18.1511	-25.117	-19.6621	-19.1201	-25.4763	-17.6755	-11.3191
88	-21.8514	-16.3944	-18.7934	-27.0344	-20.3812	-19.0746	-23.9958	-18.1353	-11.4311
89	-25.3461	-18.1828	-19.4313	-28.6306	-20.8379	-18.7922	-21.6603	-18.1224	-11.4222
90	-25.4919	-20.0092	-20.0231	-28.9884	-21.1102	-18.4813	-19.4137	-17.4388	-11.3046
91	-22.5164	-21.4421	-20.5395	-27.7852	-21.3247	-18.3025	-17.6766	-16.3861	-11.1242
92	-20.235	-22.285	-20.9517	-25.8798	-21.5799	-18.3514	-16.5314	-15.3606	-10.9438
93	-18.9927	-22.8447	-21.1814	-24.0363	-21.8578	-18.6718	-15.9496	-14.5525	-10.8068
94	-18.5191	-23.5206	-21.1154	-22.5524	-22.0407	-19.2656	-15.8693	-14.0056	-10.7458
95	-18.5654	-24.4861	-20.7463	-21.5147	-22.0538	-20.0843	-16.2155	-13.6975	-10.7621
96	-18.9317	-25.7225	-20.2502	-20.9189	-22.0034	-21.0166	-16.8853	-13.6097	-10.8549
97	-19.4473	-27.0278	-19.8505	-20.6964	-22.1178	-21.876	-17.753	-13.7281	-11.0322
98	-19.936	-27.7617	-19.6803	-20.7203	-22.5923	-22.4673	-18.659	-14.0397	-11.3095
99	-20.1669	-26.9762	-19.736	-20.8246	-23.4842	-22.7245	-19.3934	-14.5043	-11.7154
100	-19.9463	-24.9213	-19.893	-20.8588	-24.5848	-22.7651	-19.7311	-15.0402	-12.26
101	-19.3212	-22.6924	-19.9362	-20.7514	-25.285	-22.7477	-19.5365	-15.5247	-12.9502
102	-18.5782	-20.8343	-19.6958	-20.5138	-24.9938	-22.7312	-18.8832	-15.8524	-13.7707
103	-17.9891	-19.4528	-19.1688	-20.18	-24.0409	-22.6406	-17.9799	-15.9582	-14.6907
104	-17.6903	-18.5122	-18.4916	-19.7696	-23.1086	-22.3068	-17.0405	-15.8454	-15.6788
105	-17.666	-17.9484	-17.7896	-19.2894	-22.4806	-21.5697	-16.1668	-15.5689	-16.7201
106	-17.7715	-17.6978	-17.1383	-18.7422	-22.0632	-20.3956	-15.3818	-15.2001	-17.7949
107	-17.7913	-17.6744	-16.5488	-18.1298	-21.562	-18.9157	-14.682	-14.8498	-18.8872
108	-17.563	-17.7747	-16.0144	-17.4601	-20.738	-17.3481	-14.0499	-14.6384	-20.0087
109	-17.1031	-17.8586	-15.5428	-16.7836	-19.6614	-15.8939	-13.4808	-14.664	-21.2583
110	-16.5874	-17.8154	-15.156	-16.1803	-18.6172	-14.6791	-12.9774	-14.9839	-22.8589
111	-16.1935	-17.6627	-14.883	-15.7516	-17.8395	-13.7818	-12.544	-15.5932	-25.033
112	-16.0318	-17.4909	-14.747	-15.5793	-17.4282	-13.2113	-12.1764	-16.3931	-27.1393
113	-16.1469	-17.4203	-14.7596	-15.7153	-17.3725	-12.9491	-11.873	-17.1763	-26.1275
114	-16.5253	-17.4941	-14.9125	-16.1507	-17.5767	-12.9374	-11.6392	-17.7122	-22.6974
115	-17.0812	-17.684	-15.1866	-16.8243	-17.8758	-13.0768	-11.4888	-17.9348	-19.6652
116	-17.6383	-17.9035	-15.5522	-17.6281	-18.087	-13.2449	-11.435	-18.0139	-17.4446
117	-17.9284	-18.084	-15.9828	-18.4591	-18.1039	-13.3268	-11.499	-18.1836	-15.893
118	-17.7475	-18.2338	-16.489	-19.2828	-17.9457	-13.2446	-11.6831	-18.5909	-14.8332
119	-17.1304	-18.3952	-17.0656	-20.1614	-17.7079	-13.0072	-11.9855	-19.2618	-14.1117
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121	-15.5042	-18.6128	-18.2965	-22.3613	-17.3069	-12.4014	-12.8262	-20.8554	-13.1648
122	-14.857	-18.4761	-18.6876	-23.5335	-17.2258	-12.272	-13.329	-21.2155	-12.7586
123	-14.4172	-18.1902	-18.7669	-24.3144	-17.2133	-12.4165	-13.9281	-21.032	-12.4012
124	-14.1991	-17.9257	-18.6244	-24.1891	-17.2077	-12.938	-14.7167	-20.4983	-12.1743
125	-14.1706	-17.8428	-18.5002	-22.9693	-17.1004	-13.933	-15.8192	-19.9229	-12.1804
126	-14.2924	-17.9901	-18.6248	-21.0723	-16.8263	-15.4836	-17.3497	-19.4806	-12.4917
127	-14.5186	-18.2933	-19.1381	-19.0905	-16.437	-17.659	-19.3181	-19.169	-13.1298
128	-14.8257	-18.6037	-20.0786	-17.3973	-16.0776	-20.4797	-21.4199	-18.8511	-14.0492
129	-15.237	-18.8236	-21.3789	-16.1592	-15.9081	-23.7076	-22.7787	-18.366	-15.1096
130	-15.7917	-19.0133	-22.8393	-15.4267	-16.0222	-26.6104	-22.8081	-17.6936	-16.0826
131	-16.5595	-19.3434	-24.1697	-15.1925	-16.4503	-28.5262	-22.1968	-16.9801	-16.7956
132	-17.5674	-19.9645	-25.1224	-15.4108	-17.1678	-29.6382	-21.562	-16.4439	-17.1946
133	-18.8027	-20.9069	-25.3755	-15.9686	-18.1181	-29.1634	-20.8446	-16.2234	-17.2909
134	-20.11	-22.0076	-24.3625	-16.6695	-19.2291	-26.519	-19.8143	-16.407	-17.0597
135	-21.1171	-22.837	-22.175	-17.2052	-20.4525	-23.4995	-18.5335	-17.0134	-16.52
136	-21.3312	-22.8805	-19.734	-17.3262	-21.766	-21.0668	-17.2873	-17.9834	-15.8441
137	-20.6952	-22.0811	-17.6646	-17.04	-23.1444	-19.2614	-16.2986	-19.1796	-15.2553
138	-19.7006	-20.8836	-16.1525	-16.5512	-24.5374	-17.9376	-15.6339	-20.3298	-14.924
139	-18.8237	-19.7218	-15.2031	-16.0633	-25.9962	-16.9564	-15.2751	-21.1973	-14.8943
140	-18.2966	-18.8514	-14.7718	-15.6833	-27.8507	-16.2092	-15.1536	-21.8291	-15.1479
141	-18.1706	-18.4037	-14.7784	-15.4655	-30.6783	-15.6171	-15.1549	-22.5527	-15.5919
142	-18.3745	-18.4585	-15.0843	-15.4167	-33.3485	-15.1052	-15.1011	-23.6277	-16.055
143	-18.7315	-19.0324	-15.4764	-15.5242	-30.0418	-14.6131	-14.8173	-24.7248	-16.2904
144	-19.0084	-20.0765	-15.684	-15.7737	-25.5718	-14.1409	-14.2797	-24.3645	-16.0582
145	-19.1249	-21.3421	-15.544	-16.1778	-22.5584	-13.7418	-13.663	-22.0783	-15.3671
146	-19.2743	-22.2892	-15.1512	-16.8068	-20.6877	-13.5272	-13.2386	-19.499	-14.5237
147	-19.7712	-22.3511	-14.7243	-17.8274	-19.586	-13.6383	-13.2258	-17.509	-13.8401
148	-20.8967	-21.6181	-14.4525	-19.4597	-18.9072	-14.213	-13.7713	-16.2548	-13.5244
149	-22.8193	-20.6336	-14.433						

158	-18.6799	-17.0205	-14.849	-14.4857	-14.825	-11.8959	-16.4825	-12.8881	-17.4862
159	-19.4586	-15.7667	-14.5528	-14.9804	-14.2774	-12.5567	-16.398	-12.5456	-18.9047
160	-21.4028	-15.3359	-14.5559	-16.3758	-14.1801	-13.7625	-17.2098	-12.8562	-19.5135
161	-24.9336	-15.657	-14.6233	-18.7685	-14.5503	-15.0002	-18.4583	-13.7172	-17.179
162	-27.8037	-16.6473	-14.459	-21.3422	-15.2794	-15.2271	-18.5787	-14.9744	-13.9583
163	-23.7685	-18.1698	-13.9355	-21.0813	-16.1681	-14.2387	-16.8668	-16.3693	-11.4889
164	-19.5411	-19.9798	-13.1806	-18.7659	-16.9867	-13.0271	-14.9289	-17.6162	-9.93512
165	-16.5853	-21.7748	-12.3866	-17.0121	-17.6622	-12.2358	-13.6519	-18.6764	-9.17566
166	-14.3882	-23.4486	-11.6695	-16.0845	-18.2187	-11.9731	-13.0731	-19.7841	-9.05276
167	-12.6592	-25.1181	-11.0562	-15.5764	-18.5962	-12.0834	-12.9415	-20.8936	-9.35502
168	-11.3166	-26.3728	-10.5824	-14.9799	-18.6008	-12.31	-12.9128	-21.1748	-9.78881
169	-10.4056	-25.878	-10.3483	-14.1226	-18.2885	-12.4434	-12.7719	-20.0418	-10.11
170	-10.0037	-23.828	-10.4992	-13.2959	-18.0652	-12.5342	-12.6491	-18.5136	-10.3435
171	-10.2053	-21.6269	-11.2164	-12.8694	-18.3274	-12.8616	-12.8585	-17.5682	-10.7856
172	-11.1144	-19.7158	-12.7208	-13.0467	-19.0712	-13.7268	-13.6134	-17.5323	-11.7313
173	-12.8446	-18.0565	-15.2849	-13.8483	-19.3957	-15.2837	-14.7725	-18.3863	-13.1875
174	-15.4722	-16.6386	-18.9915	-15.0758	-17.9907	-17.2825	-15.4925	-19.5503	-14.3481
175	-18.5369	-15.5895	-21.0953	-16.1845	-15.6656	-18.403	-14.8733	-19.3697	-13.8597
176	-19.8459	-15.0752	-18.6677	-16.6418	-13.7569	-17.6108	-13.6017	-17.4622	-12.3148
177	-18.8261	-15.2737	-16.4093	-16.7638	-12.6669	-16.3982	-12.7679	-15.497	-11.1261
178	-17.923	-16.4012	-15.5726	-17.3562	-12.4558	-15.933	-12.8172	-14.2798	-10.8112
179	-17.8944	-18.8211	-16.0016	-19.0597	-13.1131	-16.4236	-13.9338	-13.8964	-11.4914
Max Gain	7.319	7.122	7.192	6.608	6.321	5.802	5.803	5.158	5.499
30Dragee Max Gai	3.333	2.056	2.648	3.269	2.434	4.124	4.498	4.051	3.782