

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	-27.9606	-22.7848	-26.4694	-19.9241	-20.2407	-17.8966	-16.066	-17.1309	-12.8054
-179	-23.104	-22.562	-24.6401	-22.7219	-20.2068	-21.2861	-16.6918	-19.5763	-13.6619
-178	-19.5132	-21.8072	-21.378	-23.9954	-19.7176	-24.7924	-17.6916	-22.3016	-15.3841
-177	-17.769	-21.3719	-19.7534	-22.8717	-19.3233	-24.6558	-19.0008	-22.7738	-18.1784
-176	-17.4644	-21.88	-19.7424	-21.972	-19.579	-23.2369	-20.6783	-21.5258	-22.5806
-175	-18.5154	-23.8211	-21.446	-22.4313	-20.9	-23.4905	-22.9652	-21.1199	-30.4291
-174	-21.1527	-28.2274	-25.5755	-24.4877	-23.8359	-26.4442	-26.3714	-22.4443	-34.1443
-173	-26.054	-37.111	-31.8454	-27.4636	-29.9105	-36.6405	-31.826	-26.3907	-26.5473
-172	-31.2028	-30.2205	-26.4326	-26.788	-37.2059	-31.2675	-37.8137	-33.1266	-32.273
-171	-26.9153	-25.1818	-22.0224	-23.5127	-28.4149	-23.6277	-34.1483	-26.6489	-21.9106
-170	-23.8351	-23.1618	-20.1128	-21.411	-24.8474	-20.4456	-32.2227	-21.8101	-21.9263
-169	-22.804	-22.947	-19.7801	-20.7106	-23.7679	-19.2228	-34.0214	-19.5538	-23.4672
-168	-22.902	-24.3048	-20.5598	-21.2538	-24.1403	-19.3732	-43.2427	-18.8394	-27.5023
-167	-23.2256	-27.5604	-21.8518	-23.0357	-25.0857	-20.7532	-34.9376	-19.2848	-37.2497
-166	-23.0111	-33.6886	-22.4787	-26.121	-25.1392	-23.36	-27.3754	-20.7387	-28.6843
-165	-22.3963	-34.8046	-21.8907	-29.5381	-23.8884	-26.8326	-23.519	-23.1351	-22.7031
-164	-21.9609	-29.1552	-21.1436	-28.7793	-22.6413	-28.3988	-21.3893	-26.3397	-19.7682
-163	-21.8838	-26.231	-21.0828	-25.6133	-22.1961	-26.5063	-20.4046	-29.5191	-18.3961
-162	-21.8478	-24.902	-21.8798	-23.1558	-22.781	-24.4025	-20.3171	-30.1762	-18.1043
-161	-21.4064	-24.5166	-23.1558	-21.4995	-24.5103	-22.898	-21.0076	-28.067	-18.6611
-160	-20.6126	-24.7285	-23.7205	-20.4633	-27.4439	-21.8254	-22.389	-25.6373	-19.8773
-159	-19.9407	-25.3884	-22.8352	-19.9977	-30.7004	-21.1232	-24.3463	-23.8038	-21.4576
-158	-19.8075	-26.4685	-21.6003	-20.142	-30.8354	-20.8667	-26.6364	-22.7419	-22.9768
-157	-20.4108	-28.0233	-20.9465	-20.987	-28.915	-21.1789	-28.8568	-22.4803	-24.163
-156	-21.8734	-30.1444	-21.1315	-22.6551	-27.7747	-22.1692	-30.7891	-23.0243	-25.2812
-155	-24.3155	-32.9391	-22.1378	-25.3785	-27.6794	-23.9049	-32.7856	-24.3609	-26.8942
-154	-27.7873	-36.6677	-23.872	-29.658	-28.3362	-26.4096	-35.3352	-26.4465	-29.5267
-153	-31.1579	-42.4991	-26.0279	-37.1139	-29.2559	-29.5352	-37.1604	-29.0932	-33.7525
-152	-30.5607	-62.8556	-27.7842	-53.3239	-29.6853	-32.5896	-34.935	-31.7263	-40.1395
-151	-27.6893	-43.4158	-27.9719	-38.7699	-28.9456	-33.966	-31.4682	-33.0384	-41.8324
-150	-25.2923	-37.194	-26.5545	-34.9573	-27.1688	-32.747	-28.8248	-31.9305	-37.6142
-149	-23.6279	-33.8308	-24.5503	-33.1952	-25.0388	-30.293	-27.0249	-29.4856	-34.5662
-148	-22.6493	-31.5155	-22.6788	-32.3135	-23.0715	-27.9922	-25.8825	-27.15	-32.0199
-147	-22.3277	-29.4483	-21.2429	-32.2608	-21.5002	-26.3538	-25.2657	-25.4502	-29.8099
-146	-22.6251	-27.3249	-20.3389	-33.3102	-20.393	-25.4396	-25.089	-24.4719	-28.0893
-145	-23.4268	-25.2966	-19.9538	-35.5974	-19.7601	-25.127	-25.2812	-24.1662	-26.8976
-144	-24.4468	-23.6407	-19.9962	-37.08	-19.5566	-25.1211	-25.7673	-24.4202	-26.1426
-143	-25.258	-22.532	-20.3259	-34.2626	-19.7384	-24.9626	-26.4412	-25.034	-25.6576
-142	-25.6653	-22.0419	-20.7612	-30.9589	-20.253	-24.312	-27.1561	-25.6961	-25.2574
-141	-26.0048	-22.2003	-21.155	-28.8179	-21.0587	-23.2863	-27.7006	-26.0727	-24.7978
-140	-26.7842	-23.0143	-21.4881	-27.6162	-22.1556	-22.2508	-27.8288	-26.089	-24.2249
-139	-28.4048	-24.4895	-21.8574	-26.9501	-23.6058	-21.4552	-27.3794	-26.001	-23.5869
-138	-31.2194	-26.6041	-22.3698	-26.4194	-25.5856	-20.9964	-26.4375	-26.1737	-22.996
-137	-35.633	-29.2595	-23.0653	-25.7754	-28.4714	-20.8949	-25.2852	-26.9378	-22.5748
-136	-40.3485	-32.1699	-23.9052	-25.0447	-33.2225	-21.1444	-24.1982	-28.6619	-22.4369
-135	-38.8573	-34.7148	-24.7911	-24.3899	-43.9239	-21.7031	-23.3467	-32.0382	-22.6617
-134	-36.1897	-36.0614	-25.5896	-23.89	-38.4793	-22.4598	-22.8039	-39.2324	-23.291
-133	-34.7367	-35.901	-26.1219	-23.4815	-31.6597	-23.1827	-22.5815	-42.372	-24.3107
-132	-33.7344	-34.9721	-26.2002	-23.033	-28.3651	-23.5846	-22.6375	-33.8654	-25.6043
-131	-32.5617	-34.1834	-25.7952	-22.4824	-26.5448	-23.5792	-22.8709	-30.4616	-26.8989
-130	-31.1577	-34.009	-25.1423	-21.9013	-25.6262	-23.4028	-23.1186	-29.2414	-27.7881
-129	-29.7503	-34.565	-24.568	-21.4338	-25.3666	-23.3831	-23.1895	-29.4189	-28.0403
-128	-28.4704	-35.7599	-24.306	-21.1909	-25.6048	-23.7451	-22.9795	-30.4592	-27.8394
-127	-27.3126	-37.3038	-24.4782	-21.2121	-26.1113	-24.6055	-22.5532	-31.1842	-27.5519
-126	-26.2301	-38.8642	-25.1314	-21.4714	-26.466	-26.0403	-22.0868	-30.2443	-27.4851
-125	-25.2122	-40.0958	-26.2741	-21.887	-26.1432	-28.1541	-21.7531	-28.3865	-27.8766
-124	-24.2951	-39.5474	-27.8785	-22.3447	-25.0664	-31.2211	-21.6747	-26.7473	-28.9754
-123	-23.5493	-36.4152	-29.871	-22.7308	-23.684	-36.1383	-21.931	-25.5605	-31.1175
-122	-23.0391	-32.9486	-32.1174	-22.981	-22.4111	-48.3008	-22.5854	-24.7254	-34.7373
-121	-22.8018	-30.2965	-34.4301	-23.1216	-21.4337	-42.152	-23.7096	-24.1631	-38.1045
-120	-22.8232	-28.5614	-36.7211	-23.2591	-20.7994	-34.635	-25.4084	-23.9085	-34.844
-119	-23.0216	-27.6549	-39.1747	-23.5321	-20.5101	-31.0748	-27.8612	-24.0734	-31.0143
-118	-23.2463	-27.4858	-42.3531	-24.0704	-20.5532	-29.0205	-31.4051	-24.7703	-28.6353
-117	-23.3353	-27.9642	-47.4081	-24.9618	-20.9035	-27.8114	-36.6656	-26.0068	-27.2396
-116	-23.2201	-28.9508	-56.6909	-26.2181	-21.501	-27.0911	-42.0192	-27.5104	-26.4225
-115	-22.9719	-30.1659	-51.5806	-27.6871	-22.1983	-26.5671	-38.9214	-28.5138	-25.8876
-114	-22.7371	-31.0942	-46.8146	-28.9191	-22.7268	-25.9953	-35.8846	-28.483	-25.4514
-113	-22.6055	-31.2275	-45.2163	-29.356	-22.812	-25.27	-34.5557	-28.0867	-25.0671
-112	-22.6356	-30.6143	-44.9682	-29.0498	-22.4365	-24.4625	-34.0674	-28.1807	-24.7901
-111	-22.8368	-29.7147	-43.7689	-28.5792	-21.8804	-23.7178	-33.4812	-29.1661	-24.6971
-110	-23.2081	-28.8784	-40.6018	-28.3801	-21.4471	-23.152	-32.116	-31.2085	-24.8361
-109	-23.7202	-28.2676	-37.3295	-28.627	-21.3119	-22.8125	-30.2085	-34.2528	-25.216
-108	-24.2704	-27.9317	-34.8606	-29.403	-21.5503	-22.6978	-28.3588	-37.2669	-25.8235
-107	-24.6969	-27.8718	-33.2168	-30.8065	-22.1736	-22.7748	-26.8519	-38.1838	-26.6276
-106	-24.8903	-28.0736	-32.264	-33.0558	-23.17	-23.002	-25.7382	-37.9942	-27.568
-105	-24.9189	-28.5452	-31.8651	-36.6415	-24.4815	-23.3478	-24.9756	-38.101	-28.4911
-104	-25.0385	-29.3511	-31.9103	-42.8282	-25.9492	-23.7856	-24.4963	-37.4072	-29.1055
-103	-25.5235	-30.6467	-32.3505	-47.8876	-27.1292	-24.2604	-24.2307	-35.154	-29.1315
-102	-26.5755	-32.7126	-33.2269	-41.2929	-27.3379	-24.6349	-24.1024	-32.7072	-28.6298
-101	-28.3613	-36.0403	-34.7059	-38.0018	-26.4615	-24.6993	-24.0294	-30.8254	-27.9312
-100	-31.0121	-41.145	-37.1258	-36.8815	-25.1852	-24.3248	-23.9232	-29.4564	-27.3305
-99	-34.7768	-41.8736	-40.8798	-37.2821	-24.0913	-23.6236	-23.6984	-28.3457	-26.9464
-98	-40.2024	-36.9338	-44.1424	-39.1013	-23.4108	-22.8625	-23.3207	-27.3063	-26.7851
-97	-47.5701	-33.6352	-41.3721	-42.695	-23.191	-22.2567	-22.8262	-26.3343	-26.7882
-96	-45.132	-31.6597	-38.2026	-49.4467	-23.4018	-21.9133	-22.31	-25.5344	-26.8899
-95	-40.7902	-30.537	-36.6636	-67.5289	-23.9711	-21.8555	-21.8699	-25.0012	-27.0447
-94	-39.3855	-30.0622	-36.5634	-54.5581	-24.7739	-22.0524	-21.5779	-24.7552	-27.2293
-93	-41.4208	-30.1082	-37.8334	-53.1272	-25.6295	-22.4376	-21.4642	-24.7413	-27.4295
-92	-59.1799	-30.3554	-40.6003	-53.6904	-26.3408	-22.9154	-21.5251	-24.8491	-27.6015
-91	-38.424	-29.9181	-43.8832	-47.9789	-26.7646	-23.3643	-21.7217	-24.9316	-27.6575
-90	-30.5824	-28.1021	-42.1949	-43.0061	-26.8698	-23.6598	-21.9885	-24.8644	-27.4871
-89	-26.1161	-25.6666	-38.3853	-40.1366	-26.7108	-23.708	-22.2352	-24.581	-27.0216
-88	-23.2723	-23.5232	-35.7615	-38.7548	-26.3602	-23.4952	-22.3678	-24.1117	-26.2811
-87	-21.5068	-21.988	-34.2213	-38.2363	-25.863	-23.0834	-22.3024	-23.5483	-25.369
-86	-20.5449	-21.0918	-33.4818	-37.2754	-25.2276	-22.5643	-21.995	-22.9937	-24.4142
-85	-20.1663	-20.7662	-33.3298	-34.787	-24.439	-22.0172	-21.4688	-22.5151	-23.5293
-84	-20.1088	-20.8744	-33.4177	-31.7178	-23.5144	-21.4875	-20.802	-22.1269	-22.7935
-83	-20.0532	-21.1901	-33.153	-29.1347	-22.5411	-20.9987	-20.1023	-21.8035	-22.2462
-82	-19.7991	-21.4511	-32.194	-27.2802	-21.6522	-20.5698	-19.477	-21.4988	-21.8874
-81	-19.4383	-21.5636	-30.9903	-26.1695	-20.9827	-20.2247	-19.0165	-21.187	-21.688
-80	-19.2611	-21.7084	-30.216	-25.6969	-20.6157	-20.0075	-18.7716	-20.8767	-21.5793
-79	-19.5282	-22.1847	-30.2937	-25.761	-20.6162	-19.9605	-18.7933	-20.6166	-21.5146
-78	-20.3917	-23.2489	-31.584	-26.1519	-21.0158	-20.1211	-19.084	-20.4607	-21.4572
-77</									

-68	-18.3999	-18.4863	-23.1275	-30.2802	-35.3586	-24.4748	-20.097	-19.7785	-18.017
-67	-17.5364	-17.7783	-22.3254	-31.045	-33.7956	-23.8456	-19.2885	-18.9895	-17.2581
-66	-17.2546	-17.4905	-21.8773	-31.9162	-31.8882	-23.3681	-18.7429	-18.3482	-16.6575
-65	-17.5262	-17.7592	-21.8398	-32.6692	-30.709	-23.1705	-18.514	-17.9184	-16.2734
-64	-18.2847	-18.4946	-22.1488	-32.8235	-30.2772	-23.3117	-18.6184	-17.7491	-16.1378
-63	-19.3893	-19.5546	-22.6673	-32.2322	-30.434	-23.815	-19.0488	-17.8492	-16.2462
-62	-20.6051	-20.6814	-23.1251	-31.3118	-31.0484	-24.6595	-19.7654	-18.1936	-16.5632
-61	-21.5538	-21.4879	-23.2099	-30.3326	-32.1729	-25.7969	-20.6994	-18.7382	-17.0176
-60	-21.8717	-21.6274	-22.7558	-29.2516	-34.1912	-27.1363	-21.7277	-19.4159	-17.5175
-59	-21.4285	-21.005	-21.8429	-27.9249	-38.2577	-28.5446	-22.6959	-20.139	-17.9519
-58	-20.444	-19.8933	-20.7197	-26.4444	-46.9437	-29.8297	-23.452	-20.8107	-18.2319
-57	-19.3003	-18.6693	-19.6058	-25.0097	-38.2978	-30.8232	-23.9612	-21.3449	-18.3191
-56	-18.2968	-17.6343	-18.6468	-23.7675	-31.8356	-31.5569	-24.3155	-21.6966	-18.2401
-55	-17.6102	-16.9362	-17.9103	-22.7741	-28.0916	-32.2822	-24.6514	-21.8808	-18.0677
-54	-17.2944	-16.6299	-17.4265	-21.9966	-25.6544	-33.2338	-25.1081	-21.971	-17.8851
-53	-17.3143	-16.6837	-17.1651	-21.3663	-24.0153	-34.111	-25.7782	-22.0562	-17.7509
-52	-17.5549	-16.9884	-17.0695	-20.8014	-22.9108	-33.7529	-26.6738	-22.2032	-17.68
-51	-17.8591	-17.3998	-17.0635	-20.2452	-22.144	-31.5818	-27.6139	-22.4324	-17.6465
-50	-18.0716	-17.7308	-17.0709	-19.688	-21.5552	-28.8734	-28.0547	-22.7143	-17.5888
-49	-18.1596	-17.8815	-17.0155	-19.1317	-21.0286	-26.4533	-27.3762	-22.9729	-17.4562
-48	-18.1758	-17.8367	-16.8733	-18.6152	-20.4852	-24.4472	-25.7869	-23.0977	-17.2186
-47	-18.1762	-17.6646	-16.6341	-18.1648	-19.8712	-22.7926	-24.0078	-22.9838	-16.9184
-46	-18.1746	-17.4258	-16.3358	-17.7882	-19.1929	-21.4461	-22.4442	-22.6094	-16.6348
-45	-18.1197	-17.1552	-16.0137	-17.467	-18.4679	-20.3831	-21.2054	-22.069	-16.44
-44	-17.931	-16.86	-15.6878	-17.1398	-17.7032	-19.5514	-20.2473	-21.5024	-16.3923
-43	-17.5229	-16.4921	-15.3478	-16.7239	-16.9129	-18.8504	-19.4366	-20.9822	-16.4777
-42	-16.7972	-15.9587	-14.9447	-16.1426	-16.0735	-18.1166	-18.5991	-20.4502	-16.5793
-41	-15.7284	-15.1715	-14.415	-15.343	-15.1723	-17.1998	-17.5682	-19.7267	-16.4515
-40	-14.4227	-14.1318	-13.7167	-14.3463	-14.2009	-16.0518	-16.2923	-18.6433	-15.8363
-39	-13.0618	-12.9548	-12.8546	-13.2204	-13.1713	-14.756	-14.8543	-17.2199	-14.6879
-38	-11.7989	-11.7878	-11.8835	-12.0689	-12.1183	-13.4383	-13.3866	-15.6236	-13.2395
-37	-10.7133	-10.729	-10.8772	-10.9713	-11.0749	-12.2042	-11.9877	-14.0336	-11.7457
-36	-9.81505	-9.82222	-9.90729	-9.99412	-10.091	-11.1036	-10.8282	-12.5503	-10.36
-35	-9.06938	-9.06409	-9.03013	-9.17505	-9.20458	-10.1529	-9.62865	-11.2121	-9.13953
-34	-8.41923	-8.41951	-8.2705	-8.51102	-8.44374	-9.35912	-8.70203	-10.043	-8.09283
-33	-7.79541	-7.83571	-7.63219	-7.98317	-7.82004	-8.71862	-7.93624	-9.04886	-7.20844
-32	-7.15639	-7.25742	-7.09784	-7.55036	-7.32617	-8.21666	-7.31726	-8.22822	-6.45549
-31	-6.47408	-6.64878	-6.63557	-7.16594	-6.93619	-7.82056	-6.81259	-7.56086	-5.80311
-30	-5.75643	-5.99679	-6.20338	-6.77472	-6.6009	-7.47209	-6.37851	-7.00732	-5.21094
-29	-5.03033	-5.3087	-5.75896	-6.3267	-6.25632	-7.09713	-5.95911	-6.51355	-4.64313
-28	-4.31807	-4.60226	-5.26334	-5.7842	-5.83632	-6.61976	-5.49728	-6.01781	-4.06778
-27	-3.64302	-3.88977	-4.68431	-5.12718	-5.2888	-5.99318	-4.95145	-5.46679	-3.46942
-26	-3.0133	-3.18254	-4.00706	-4.36906	-4.59574	-5.22285	-4.30564	-4.83595	-2.84277
-25	-2.43037	-2.4921	-3.24885	-3.54641	-3.78204	-4.35522	-3.57503	-4.12957	-2.19632
-24	-1.89376	-1.83013	-2.45248	-2.71567	-2.90761	-3.46114	-2.79432	-3.37125	-1.53669
-23	-1.39379	-1.21115	-1.67431	-1.93215	-2.04376	-2.60902	-2.00767	-2.60075	-0.875557
-22	-0.9221	-0.64488	-0.96842	-1.23719	-1.25565	-1.85047	-1.25902	-1.85774	-0.226657
-21	-0.468368	-0.133252	-0.369532	-0.654082	-0.589272	-1.2208	-0.583628	-1.18022	-0.394032
-20	-0.0244784	0.323497	0.104561	-0.190348	0.0699789	-0.731359	0.0062011	-0.594633	0.969484
-19	0.407684	0.729331	4.54E-01	0.162954	0.296205	0.376612	0.459566	-0.116657	1.48E+00
-18	8.14E-01	1.09E+00	6.96E-01	4.26E-01	5.26E-01	0.131985	8.11E-01	2.51E-01	1.91E+00
-17	1.18E+00	1.40E+00	8.59E-01	6.29E-01	6.50E-01	3.69E-02	1.06E+00	5.16E-01	2.25E+00
-16	1.49E+00	1.66E+00	9.79E-01	8.04E-01	7.12E-01	1.69E-01	1.21E+00	6.93E-01	2.49E+00
-15	1.73558	1.89E+00	1.10E+00	9.80E-01	7.61E-01	3.02E-01	1.29E+00	8.01E-01	2.62E+00
-14	1.93266	2.09088	1.25E+00	1.18E+00	8.40E-01	4.55E-01	1.32E+00	8.57E-01	2.65E+00
-13	2.09715	2.28039	1.46822	1.41E+00	9.80E-01	6.41E-01	1.32E+00	8.85E-01	2.60935
-12	2.24665	2.46433	1.7364	1.65155	1.18801	8.55E-01	1.34E+00	9.11E-01	2.53341
-11	2.39283	2.64087	2.03708	1.90175	1.45425	1.09E+00	1.39E+00	9.61E-01	2.46669
-10	2.54074	2.81569	2.34005	2.1396	1.75225	1.32091	1.49E+00	1.06E+00	2.45794
-9	2.69208	2.97596	2.61582	2.35093	2.05312	1.5396	1.65584	1.21E+00	2.54361
-8	2.84669	3.12622	2.84519	2.52762	2.32874	1.72589	1.88496	1.42E+00	2.73456
-7	3.0016	3.27437	3.01993	2.66837	2.55847	1.87196	2.15961	1.66155	3.01507
-6	3.14858	3.41608	3.14372	2.77765	2.73316	1.97677	2.45215	1.91275	3.34574
-5	3.26842	3.54014	3.21705	2.86583	2.85396	2.04692	2.73159	2.14561	3.6734
-4	3.33986	3.63649	3.25729	2.93515	2.93005	2.09145	2.96641	2.33353	3.94569
-3	3.35009	3.69809	3.28001	2.99491	2.97355	2.11777	3.13289	2.45336	4.11949
-2	3.29964	3.71917	3.29512	3.04773	2.99559	2.12404	3.20142	2.48477	4.16081
-1	3.20442	3.70869	3.30284	3.08372	2.99616	2.10433	3.1695	2.42336	4.06661
0	3.08392	3.65661	3.30678	3.08246	2.96919	2.05074	3.03244	2.2723	3.83737
1	2.94506	3.5604	3.27119	3.02442	2.90321	1.96085	2.81021	2.04622	3.50657
2	2.7842	3.39587	3.1797	2.89424	2.78852	1.83903	2.52627	1.78318	3.11689
3	2.58329	3.15474	3.0048	2.69038	2.62255	1.69878	2.22596	1.52734	2.73049
4	2.3313	2.83603	2.74414	2.42541	2.41521	1.56012	1.95304	1.3226	2.39553
5	2.03187	2.46096	2.41706	2.13203	2.18723	1.44613	1.75072	1.20245	2.16798
6	1.70857	2.07383	2.06429	1.85337	1.96861	1.37397	1.64428	1.17257	2.05795
7	1.39564	1.7284	1.73764	1.63475	1.78773	1.35E+00	1.63E+00	1.21E+00	2.05298
8	1.13026	1.47682	1.49047	1.51154	1.66515	1.36E+00	1.69E+00	1.28E+00	2.10079
9	0.942252	1.34853	1.35964	1.49171	1.60493	1.39E+00	1.77E+00	1.31E+00	2.13405
10	0.85328	1.34425	1.34716	1.55225	1.58566	1.39E+00	1.82E+00	1.26E+00	2.08752
11	0.866286	1.43048	1.41799	1.64448	1.57025	1.33E+00	1.78E+00	1.08E+00	1.91033
12	0.954217	1.54836	1.50688	1.70328	1.51179	1.17E+00	1.63E+00	7.59E-01	1.5757
13	1.05738	1.62398	1.53961	1.66804	1.36272	8.93E-01	1.34E+00	2.91E-01	1.09E+00
14	1.09759	1.58635	1.44804	1.48875	1.0854	4.81E-01	9.01E-01	2.98E-01	4.73E-01
15	1.00318	1.37912	1.18361	1.13E+00	6.58E-01	-6.08E-02	3.42E-01	-9.57E-01	-2.03E-01
16	7.24E-01	0.967656	0.716153	5.87E-01	7.70E-02	-7.12E-01	-3.00E-01	-1.61733	-8.62E-01
17	2.35E-01	3.41E-01	4.36E-02	-1.36E-01	-6.34E-01	-1.43077	-0.964678	-2.19517	-1.42947
18	-4.62E-01	4.85E-01	-8.09E-01	-1.00E+00	-1.43E+00	-2.15407	-1.58401	-2.63374	-1.86432
19	-1.35E+00	-1.47E+00	-1.79E+00	-1.93416	-2.21992	-2.81187	-2.10468	-2.92342	-2.17334
20	-2.39E+00	-2.54E+00	-2.79737	-2.84608	-2.92515	-3.35256	-2.51155	-3.1097	-2.41201
21	-3.52788	-3.60902	-3.72766	-3.63387	-3.47451	-3.76596	-2.82855	-3.27398	-2.6491
22	-4.6773	-4.55107	-4.46405	-4.23127	-3.85816	-4.09421	-3.11428	-3.50188	-2.95804
23	-5.68764	-5.25459	-4.95325	-4.64048	-4.13103	-4.40303	-3.43472	-3.86464	-3.4024
24	-6.39291	-5.68208	-5.24478	-4.94413	-4.3897	-4.76338	-3.85383	-4.40639	-4.02581
25	-6.74566	-5.91326	-5.46315	-5.25408	-4.73398	-5.23586	-4.41835	-5.15344	-4.85765
26	-6.89126	-6.11709	-5.75598	-5.68564	-5.2497	-5.85813	-5.16008	-6.10628	-5.89559
27	-7.05984	-6.46495	-6.25192	-6.33161	-6.00064	-6.66181	-6.09414	-7.23692	-7.11466
28	-7.43901	-7.08039	-7.03539	-7.25405	-7.03053	-7.65793	-7.20652	-8.48619	-8.4507
29	-8.12222	-8.02883	-8.15621	-8.48442	-8.35318	-8.83959	-8.45479	-9.76203	-9.81546
30	-9.12442	-9.32559	-9.62452	-10.0172	-9.95084	-10.1753	-9.76775	-10.9538	-11.1058
31	-10.4135	-10.9391	-11.4005	-11.8017	-11.7387	-11.6073	-11.0537	-11.9855	-12.2617
32	-11.9176	-12.772	-13.3853	-13.7222	-13.5613	-13.0659	-12.2485	-12.8687	-13.3147
33	-13.5592	-14.6804	-15.3881	-15.5745	-15.2141	-14.489	-13.3445	-13.7169	-14.3831
34	-15.2471	-16.4659	-17.1659	-17.1431	-16.5484	-15.8519	-14.4124	-14.6871	-15.6272
35	-16.8545	-17.9136	-18.508						

45	-27.43	-24.1712	-27.4065	-28.9802	-33.7496	-33.9888	-29.1986	-28.314	-23.6738
46	-27.9163	-24.3825	-25.9835	-27.2327	-31.0714	-29.4979	-26.6554	-26.4087	-22.8521
47	-29.468	-25.2876	-25.0624	-25.8273	-28.7899	-26.6897	-24.8545	-24.5899	-21.7157
48	-31.3682	-26.2192	-24.4009	-24.6237	-26.7569	-24.8128	-23.542	-23.1316	-20.5156
49	-32.2067	-26.4018	-24.0136	-23.7491	-25.2307	-23.6674	-22.6831	-22.1565	-19.47
50	-30.8323	-25.6866	-23.9682	-23.3213	-24.3248	-23.1882	-22.3031	-21.7438	-18.7313
51	-27.9909	-24.4378	-24.2103	-23.2931	-23.9734	-23.3324	-22.4218	-21.8864	-18.3937
52	-25.0469	-22.9655	-24.4849	-23.5261	-23.9816	-24.0183	-23.0202	-22.5768	-18.4884
53	-22.7047	-21.5459	-24.4631	-23.7998	-24.1344	-25.0613	-24.0111	-23.7213	-19.0279
54	-21.1677	-20.4542	-24.0885	-24.0311	-24.3261	-26.1016	-25.1913	-25.1482	-19.974
55	-20.4736	-19.8863	-23.6166	-24.291	-24.6522	-26.7122	-26.2054	-26.5356	-21.2793
56	-20.6265	-19.9382	-23.2676	-24.5924	-25.2511	-26.7192	-26.6406	-27.5029	-22.8047
57	-21.6396	-20.6166	-23.044	-24.6745	-25.9765	-26.235	-26.2924	-27.6456	-24.3103
58	-23.5308	-21.7993	-22.819	-24.1254	-26.1355	-25.4023	-25.3338	-26.8494	-25.3204
59	-26.2425	-23.1381	-22.5385	-23.0676	-25.2044	-24.3538	-24.1434	-25.5429	-25.3735
60	-29.3667	-24.1109	-22.3304	-22.0923	-23.8331	-23.3221	-23.0774	-24.3342	-24.6331
61	-31.7342	-24.5656	-22.4223	-21.6558	-22.8751	-22.5544	-22.3717	-23.5737	-23.7547
62	-32.0946	-24.9164	-23.0125	-21.99	-22.7024	-22.2338	-22.126	-23.3585	-23.1654
63	-30.3073	-25.4764	-24.247	-23.2443	-23.4903	-22.453	-22.3583	-23.5686	-22.9668
64	-27.4205	-25.9631	-26.1942	-25.6096	-25.4135	-23.2887	-23.0071	-23.8388	-23.0249
65	-24.7383	-25.6868	-28.7101	-29.3742	-28.825	-24.7711	-23.9198	-23.7221	-22.9944
66	-22.8015	-24.6094	-30.7752	-34.9313	-34.5261	-26.93	-24.8952	-23.1877	-22.5754
67	-21.693	-23.4142	-30.4385	-41.3526	-42.1006	-29.667	-25.8629	-22.6674	-21.8818
68	-21.3771	-22.537	-28.2974	-41.2646	-41.1277	-32.5771	-26.9929	-22.5732	-21.2592
69	-21.7797	-22.003	-26.0172	-35.6791	-42.4522	-34.6891	-28.5804	-23.0875	-20.9828
70	-22.7585	-21.6525	-24.0904	-30.2061	-58.8238	-35.4889	-30.6101	-24.1384	-21.1378
71	-23.9773	-21.3192	-22.5853	-26.2008	-36.9537	-35.6568	-32.0837	-25.2751	-21.6114
72	-24.8696	-20.9755	-21.4997	-23.5382	-30.4804	-35.502	-31.5913	-25.7305	-22.1516
73	-25.1287	-20.7328	-20.8019	-21.9365	-27.0203	-34.6313	-30.4104	-25.3659	-22.4487
74	-25.2027	-20.7345	-20.4402	-21.1838	-25.097	-32.8521	-30.1554	-24.9662	-22.4173
75	-25.7769	-21.0849	-20.3543	-21.051	-24.1042	-30.5483	-31.4037	-25.1751	-22.2949
76	-27.4215	-21.8356	-20.4993	-21.2317	-23.5789	-28.1958	-34.7544	-26.2999	-22.3677
77	-30.9274	-23.0315	-20.8642	-21.3375	-23.0575	-26.0638	-38.0459	-28.5733	-22.7884
78	-38.2924	-24.7661	-21.4788	-21.1233	-22.2621	-24.2607	-33.2404	-32.1991	-23.5461
79	-36.9343	-27.254	-22.3755	-20.7248	-21.296	-22.8201	-28.9473	-36.2475	-24.5249
80	-30.2326	-31.008	-23.5857	-20.4584	-20.4443	-21.7378	-26.4839	-36.4176	-25.4529
81	-26.9985	-37.2411	-25.0377	-20.5481	-19.9064	-20.9892	-25.2168	-34.6799	-26.0074
82	-25.4061	-40.6504	-26.5894	-21.0755	-19.7427	-20.5342	-24.7594	-34.293	-26.0423
83	-24.7102	-34.3439	-28.0298	-21.981	-19.915	-20.3276	-24.817	-35.4752	-25.6636
84	-24.3832	-30.8533	-29.2866	-23.0892	-20.3172	-20.3078	-25.0885	-38.0883	-25.136
85	-23.9472	-29.009	-30.6036	-24.1105	-20.8082	-20.405	-25.2714	-41.2875	-24.6654
86	-23.1991	-27.9191	-32.429	-24.7965	-21.2409	-20.5395	-25.1725	-42.1509	-24.3678
87	-22.3332	-27.0086	-35.4744	-25.184	-21.5162	-20.6293	-24.8052	-40.8094	-24.2912
88	-21.6469	-25.9426	-41.6014	-25.5231	-21.6396	-20.605	-24.2984	-39.4798	-24.3671
89	-21.314	-24.7381	-56.873	-26.1187	-21.6642	-20.4346	-23.7787	-38.0693	-24.4669
90	-21.3591	-23.602	-38.7755	-27.1958	-21.66	-20.1316	-23.3286	-36.2503	-24.396
91	-21.6904	-22.6998	-33.3322	-28.9088	-21.6603	-19.7579	-22.9854	-34.4081	-23.9872
92	-22.0848	-22.0897	-30.2436	-31.3148	-21.6628	-19.3838	-22.7558	-32.94	-23.2757
93	-22.2344	-21.743	-28.2939	-33.6248	-21.6495	-19.0905	-22.6208	-31.962	-22.4309
94	-21.9434	-21.5726	-27.0548	-33.6702	-21.5893	-18.9245	-22.5598	-31.4219	-21.6308
95	-21.3116	-21.4611	-26.2813	-31.9288	-21.4727	-18.9104	-22.5709	-31.2202	-21.0144
96	-20.6362	-21.3009	-25.7972	-30.4763	-21.3436	-19.043	-22.6843	-31.2755	-20.656
97	-20.1667	-21.0554	-25.4691	-29.8045	-21.2783	-19.2969	-22.9526	-31.5223	-20.5613
98	-20.0561	-20.7764	-25.2416	-29.8329	-21.3199	-19.6245	-23.4242	-31.8962	-20.6771
99	-20.3679	-20.5696	-25.1308	-30.3866	-21.4894	-19.9666	-24.1194	-32.1868	-20.9221
100	-21.1222	-20.531	-25.1879	-31.3147	-21.7594	-20.2637	-25.0207	-32.0297	-21.128
101	-22.2643	-20.7164	-25.4385	-32.5908	-22.0559	-20.4629	-26.0586	-31.1803	-21.1265
102	-23.6015	-21.1296	-25.8502	-33.984	-22.2901	-20.5485	-27.111	-29.8109	-20.8208
103	-24.7306	-21.7072	-26.3079	-34.2153	-22.3653	-20.5338	-28.0123	-28.3291	-20.2
104	-25.1935	-22.296	-26.631	-32.1211	-22.2283	-20.4658	-28.6244	-26.9084	-19.4007
105	-24.9634	-22.6655	-26.6439	-29.3389	-21.8938	-20.3976	-28.9268	-25.6285	-18.5857
106	-24.404	-22.613	-26.2824	-27.136	-21.4399	-20.3812	-29.0314	-24.4765	-17.9113
107	-23.8336	-22.1452	-25.6479	-25.7151	-20.9764	-20.4587	-29.0916	-23.4382	-17.4934
108	-23.3776	-21.478	-24.9332	-25.0123	-20.6039	-20.6618	-29.2054	-22.5601	-17.3969
109	-23.0621	-20.86	-24.333	-24.9023	-20.3892	-21.0112	-29.3707	-21.8714	-17.6571
110	-22.8615	-20.4721	-23.9844	-25.2249	-20.357	-21.5239	-29.5221	-21.3853	-18.2679
111	-22.7077	-20.3956	-23.9728	-25.7513	-20.5045	-22.2136	-29.5686	-21.0863	-19.1781
112	-22.5173	-20.6561	-24.3277	-26.198	-20.8025	-23.0891	-29.4422	-20.9421	-20.3033
113	-22.2489	-21.2337	-25.0408	-26.2955	-21.1941	-24.1492	-29.1048	-20.8714	-21.4808
114	-21.9364	-22.0908	-26.0519	-25.9022	-21.6082	-25.3775	-28.5822	-20.8084	-22.5081
115	-21.694	-22.8596	-27.2435	-25.0969	-21.9596	-26.7179	-27.9425	-20.7148	-23.2058
116	-21.6272	-23.4639	-28.4319	-24.0691	-22.1845	-28.0686	-27.2449	-20.5639	-23.5332
117	-21.7795	-23.6642	-29.3915	-23.0695	-22.2264	-29.2458	-26.445	-20.3341	-23.638
118	-22.1148	-23.5018	-29.9394	-22.2748	-22.0908	-29.9779	-25.4132	-20.0262	-23.7851
119	-22.5462	-23.1726	-30.0419	-21.7771	-21.8294	-30.0031	-24.0806	-19.6791	-24.2478
120	-22.8977	-22.8552	-29.8368	-21.554	-21.5223	-29.3207	-22.5883	-19.3807	-25.2661
121	-23.0064	-22.652	-29.5309	-21.513	-21.273	-28.2617	-21.1913	-19.2517	-27.0244
122	-22.7814	-22.5913	-29.298	-21.5071	-21.1461	-27.2225	-20.1008	-19.4223	-29.4671
123	-22.2625	-22.6379	-29.2061	-21.3864	-21.219	-26.4574	-19.4099	-19.9798	-31.2712
124	-21.5725	-22.699	-29.2292	-21.09	-21.5308	-26.075	-19.1686	-20.99	-30.1721
125	-20.8911	-22.6636	-29.2648	-20.6558	-22.0961	-26.0641	-19.349	-22.482	-27.8241
126	-20.3517	-22.4799	-29.176	-20.1908	-22.8952	-26.2969	-19.8959	-24.4198	-25.9269
127	-20.033	-22.2092	-28.8902	-19.7945	-23.852	-26.5385	-20.6822	-26.6387	-24.6136
128	-19.9824	-21.9847	-28.4488	-19.5569	-24.8386	-26.5532	-21.4967	-28.7625	-23.665
129	-20.2005	-21.9261	-27.9891	-19.543	-25.65	-26.3097	-22.0886	-30.3105	-22.8392
130	-20.6521	-22.0858	-27.6521	-19.7901	-26.0577	-25.9755	-22.2233	-31.0078	-21.9798
131	-21.2865	-22.4411	-27.5262	-20.2887	-25.9195	-25.6958	-21.8462	-30.7722	-21.0014
132	-22.032	-22.8915	-27.591	-20.9762	-25.2992	-25.4331	-21.126	-29.6771	-19.964
133	-22.8113	-23.2829	-27.655	-21.6794	-24.4341	-25.0025	-20.3447	-28.1054	-18.993
134	-23.5584	-23.4388	-27.3497	-22.1917	-23.573	-24.2711	-19.7579	-26.4918	-18.2334
135	-24.2364	-23.2295	-26.3997	-22.3645	-22.8752	-23.3276	-19.5326	-25.0546	-17.8009
136	-24.8278	-22.6458	-24.9518	-22.2379	-22.4033	-22.3895	-19.7643	-23.8753	-17.7647
137	-25.2919	-21.8331	-23.403	-21.9807	-22.1641	-21.6284	-20.5016	-22.972	-18.1588
138	-25.5196	-21.0239	-22.0529	-21.7431	-22.158	-21.1215	-21.7478	-22.3815	-18.9347
139	-25.4058	-20.438	-21.0515	-21.6365	-22.4161	-20.8709	-23.4402	-22.1402	-19.9467
140	-24.9908	-20.2342	-20.4577	-21.7221	-23.0031	-20.8252	-25.3042	-22.2397	-20.8846
141	-24.4688	-20.5221	-20.3002	-22.0136	-23.9613	-20.8939	-26.5269	-22.6014	-21.402
142	-24.0269	-21.36	-20.5503	-22.3813	-25.1314	-20.9242	-26.0822	-22.9752	-21.3563
143	-23.713	-22.7609	-21.0946	-22.5865	-25.8192	-20.7559	-24.4033	-22.974	-20.89
144	-23.4252	-24.5937	-21.6739	-22.4228	-25.1693	-20.3167	-22.6388	-22.3976	-20.2191
145	-23.0137	-26.2872	-21.8838	-21.966	-23.6159	-19.7281	-21.3451	-21.4737	-19.5316
146	-22.4219	-26.7884	-21.5272	-21.5048	-22.1455	-19.1853	-20.7013	-20.5701	-19.0409
147	-21.7741	-25.9062	-20.8362	-21.2781	-21.1969	-18.8719	-20.7577	-19.9105	-18.9659
148	-21.2441	-24.5867	-20.2035	-21.4008	-20.8614	-18.8987	-21.5746	-19.6044	-19.506
149	-20.9628	-23.5089	-19.8499						

158	-22.4427	-18.0991	-21.8079	-16.2206	-18.3714	-15.5189	-18.7494	-16.1623	-17.6714
159	-21.6695	-17.9506	-20.359	-16.6536	-18.5444	-15.766	-19.5031	-16.8197	-18.7259
160	-21.8045	-18.9435	-20.2422	-17.95	-19.8474	-16.8796	-21.9209	-18.2987	-21.326
161	-22.8583	-21.0228	-21.4287	-19.9078	-22.3692	-18.7337	-26.8162	-20.0944	-24.6095
162	-24.8036	-23.0646	-24.1287	-21.3519	-25.1473	-20.2904	-27.5536	-20.6141	-21.4989
163	-27.4023	-22.0454	-27.5842	-20.6563	-24.2208	-19.5963	-21.3893	-19.2876	-16.7883
164	-29.5765	-19.3935	-25.9468	-18.9375	-21.252	-17.616	-17.6234	-17.8297	-13.7395
165	-29.5786	-17.452	-21.9383	-17.6052	-19.1846	-16.073	-15.5049	-17.1517	-11.9902
166	-27.6773	-16.4814	-19.245	-16.8511	-18.1113	-15.3477	-14.4308	-17.3043	-11.2361
167	-25.2047	-16.3263	-17.7028	-16.4651	-17.6827	-15.3358	-14.0728	-17.8682	-11.3058
168	-22.937	-16.7686	-16.99	-16.1877	-17.4919	-15.8009	-14.2014	-17.8978	-12.0547
169	-21.2837	-17.5479	-16.8788	-15.9396	-17.2194	-16.378	-14.6119	-16.8103	-13.2236
170	-20.4426	-18.3721	-17.1849	-15.8869	-16.8224	-16.7045	-15.1876	-15.3783	-14.32
171	-20.4815	-19.0895	-17.6826	-16.266	-16.5315	-16.7109	-15.9367	-14.4071	-14.8375
172	-21.3246	-19.7639	-18.0557	-17.2322	-16.5778	-16.5723	-16.968	-14.1766	-14.893
173	-22.4619	-20.5	-18.0175	-18.6268	-17.0345	-16.3557	-18.3389	-14.6838	-15.0076
174	-22.6452	-21.1774	-17.6114	-19.5348	-17.7841	-15.9478	-19.6896	-15.681	-15.3983
175	-21.5817	-21.4869	-17.2063	-18.9334	-18.5126	-15.2956	-19.981	-16.4961	-15.7391
176	-20.6116	-21.3933	-17.2065	-17.6022	-18.9322	-14.6329	-18.8496	-16.4144	-15.4028
177	-20.6756	-21.2934	-17.9392	-16.7263	-19.1103	-14.3086	-17.3818	-15.7465	-14.3722
178	-22.2807	-21.5648	-19.73	-16.7448	-19.3512	-14.5984	-16.3492	-15.3532	-13.3054
179	-25.923	-22.2298	-22.9281	-17.7936	-19.8074	-15.7203	-15.921	-15.7421	-12.7174
Max Gain	3.350	3.719	3.307	3.084	2.996	2.124	3.201	2.485	4.161
30Dragee Max Gal	-7.439	-7.836	-6.636	-7.550	-7.326	-8.719	-7.936	-9.049	-7.208

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	-30.2827	-24.9035	-28.8841	-24.4611	-21.4609	-26.0021	-17.5176	-22.5669	-17.1185
-179	-23.0798	-22.253	-21.7718	-24.0583	-18.8769	-24.231	-17.717	-21.8012	-18.2745
-178	-18.7658	-20.381	-18.0936	-21.9715	-17.2049	-20.2406	-17.9131	-19.4106	-19.4361
-177	-16.5322	-19.6556	-16.4515	-20.3669	-16.419	-17.8415	-18.2367	-17.4514	-20.3339
-176	-15.6806	-20.1741	-16.2874	-19.9013	-16.4971	-16.932	-18.989	-16.5252	-21.3417
-175	-15.9446	-22.2481	-17.5113	-20.7541	-17.4959	-17.3703	-20.5428	-16.7323	-23.4022
-174	-17.2692	-26.9454	-20.3346	-23.3469	-19.6122	-19.3401	-23.3204	-18.2183	-28.2586
-173	-19.7725	-35.0246	-24.6867	-29.3587	-23.2289	-23.7189	-27.3025	-21.5038	-36.7619
-172	-23.8533	-26.9538	-25.0904	-47.7036	-28.1602	-34.7619	-27.888	-28.7297	-25.9076
-171	-30.7253	-22.1559	-21.4013	-28.0278	-27.7707	-28.2493	-24.4707	-37.6658	-20.842
-170	-35.1699	-20.0277	-19.1438	-23.4945	-24.2458	-22.1692	-22.2922	-25.2962	-18.3964
-169	-28.6514	-19.531	-18.2719	-21.738	-22.4384	-19.7002	-21.7639	-21.4664	-17.4949
-168	-25.1502	-20.4319	-18.251	-21.5741	-22.0502	-18.9195	-22.8732	-19.91	-17.8287
-167	-23.3085	-22.8814	-18.4551	-22.7519	-22.442	-19.2629	-26.1697	-19.5311	-19.3901
-166	-22.5533	-26.9618	-18.3136	-25.4769	-22.5084	-20.4747	-34.5321	-19.8267	-22.4236
-165	-22.8222	-27.5306	-17.8204	-30.8882	-21.3174	-22.3858	-33.9354	-20.4204	-27.467
-164	-24.2665	-23.0844	-17.4414	-47.4017	-19.5024	-24.8518	-25.8764	-21.0475	-31.6926
-163	-27.1206	-19.8991	-17.5899	-32.7532	-18.0008	-27.5692	-22.4818	-21.6147	-27.8387
-162	-30.3827	-18.0714	-18.4402	-27.0819	-17.1291	-29.1371	-20.9393	-22.1691	-24.7395
-161	-28.945	-17.2363	-19.9767	-24.333	-16.916	-27.6837	-20.4819	-22.7279	-23.085
-160	-25.7318	-17.1999	-21.7949	-22.9293	-17.2959	-25.0665	-20.7368	-23.2055	-22.1417
-159	-23.8573	-17.9187	-22.7839	-22.4784	-18.1723	-23.0108	-21.4325	-23.5345	-21.5846
-158	-23.2556	-19.4661	-22.3253	-22.8633	-19.3659	-21.7842	-22.3593	-23.8221	-21.3872
-157	-23.6536	-22.0879	-21.4295	-24.0828	-20.5947	-21.3081	-23.4811	-24.3058	-21.6766
-156	-24.8261	-26.3853	-20.9553	-26.156	-21.5784	-21.4545	-24.9504	-25.2019	-22.5635
-155	-26.5609	-33.3755	-21.1186	-28.9103	-22.2358	-22.072	-27.1525	-26.6464	-24.0873
-154	-28.7937	-32.583	-21.8798	-31.446	-22.7122	-23.02	-30.7257	-28.6193	-26.0567
-153	-32.0214	-27.5619	-23.0202	-32.6555	-23.1346	-24.1466	-37.2681	-30.4391	-27.9552
-152	-38.6293	-25.1365	-23.9533	-33.5204	-23.4299	-25.096	-46.9121	-30.0666	-29.2859
-151	-47.2131	-24.1909	-23.7722	-35.3298	-23.4016	-25.0207	-37.5206	-27.4658	-30.2653
-150	-33.4228	-24.1411	-22.409	-36.2859	-22.9615	-23.4811	-34.2471	-24.729	-31.02
-149	-28.6748	-24.5951	-20.7317	-33.2049	-22.2415	-21.4082	-33.7365	-22.6112	-30.4391
-148	-26.386	-25.1053	-19.3325	-30.0252	-21.4537	-19.6822	-35.0663	-21.1766	-28.2505
-147	-25.5827	-25.1399	-18.3843	-28.3447	-20.7438	-18.5974	-37.7633	-20.3814	-25.9921
-146	-25.9559	-24.4162	-17.9184	-28.1737	-20.2077	-18.2003	-39.327	-20.1639	-24.4515
-145	-27.3451	-23.2085	-17.8969	-29.6259	-19.9039	-18.4567	-36.9845	-20.4687	-23.7122
-144	-29.2928	-22.0062	-18.2795	-33.4119	-19.8817	-19.2862	-34.1699	-21.1865	-23.6613
-143	-30.4539	-21.1418	-18.9984	-43.1626	-20.1849	-20.4924	-32.1018	-22.1735	-24.0891
-142	-30.0075	-20.7928	-19.9583	-40.3939	-20.8432	-21.6729	-30.5452	-23.2238	-24.6379
-141	-29.3725	-21.0926	-21.0134	-33.2872	-21.8805	-22.3424	-29.264	-24.126	-24.8442
-140	-29.6543	-22.13	-21.9899	-30.4755	-23.3156	-22.4224	-28.159	-24.8282	-24.4878
-139	-31.0299	-24.0683	-22.7096	-29.1761	-25.167	-22.2862	-27.2177	-25.4764	-23.8102
-138	-32.421	-27.1244	-23.0636	-28.2777	-27.4819	-22.2114	-26.4341	-26.3424	-23.198
-137	-31.3255	-31.3479	-23.059	-27.1932	-30.4002	-22.2715	-25.8014	-27.7613	-22.9056
-136	-28.92	-34.2185	-22.8025	-26.0144	-34.2752	-22.4723	-25.3284	-30.2133	-23.0728
-135	-27.3232	-32.5471	-22.4435	-25.1413	-39.5427	-22.8362	-25.0461	-34.719	-23.7883
-134	-26.9928	-30.689	-22.1202	-24.81	-41.448	-23.4785	-25.0072	-43.2639	-25.1262
-133	-28.0667	-29.8711	-21.9313	-25.0055	-36.9709	-24.4954	-25.2418	-37.4713	-27.1366
-132	-30.7937	-29.6546	-21.9226	-25.4241	-33.6489	-25.8949	-25.7169	-32.1873	-29.7761
-131	-34.3089	-29.4995	-22.1028	-25.4722	-31.5645	-27.4586	-26.2535	-29.9112	-32.6511
-130	-32.4123	-29.1332	-22.4716	-24.7799	-30.1913	-28.7106	-26.4927	-29.3464	-34.6604
-129	-28.5655	-28.6592	-23.0195	-23.7069	-29.1652	-29.369	-26.1157	-29.9385	-34.8187
-128	-26.2394	-28.273	-23.8065	-22.7821	-28.2266	-29.8471	-25.2269	-30.7795	-33.5594
-127	-25.1748	-28.0259	-24.9053	-22.269	-27.2065	-30.7729	-24.2458	-30.2198	-31.7718
-126	-24.9799	-27.8217	-26.4502	-22.1839	-26.0506	-32.476	-23.5067	-28.3011	-30.1753
-125	-25.2737	-27.5157	-28.5383	-22.4911	-24.8071	-34.5656	-23.1827	-26.5122	-29.2094
-124	-25.6271	-27.0321	-31.1087	-23.0732	-23.5815	-34.8553	-23.3529	-25.4089	-29.0544
-123	-25.7345	-26.4202	-33.574	-23.8135	-22.4851	-32.6571	-24.0775	-24.9366	-29.671
-122	-25.6632	-25.8225	-34.8758	-24.5864	-21.6192	-30.2934	-25.423	-24.8561	-30.5468
-121	-25.6948	-25.4121	-35.2739	-25.3314	-21.0479	-28.5569	-27.4962	-24.8764	-30.4519
-120	-25.9856	-25.345	-36.0672	-26.0689	-20.8185	-27.3701	-30.469	-24.8501	-29.002
-119	-26.4382	-25.7473	-37.967	-26.8832	-20.947	-26.5434	-34.6014	-24.9031	-27.3785
-118	-26.7501	-26.6873	-41.0249	-27.9612	-21.4162	-25.9133	-39.5469	-25.287	-26.319
-117	-26.6067	-28.0915	-43.8048	-29.5349	-22.1635	-25.3668	-40.7435	-26.2405	-25.9239
-116	-26.0864	-29.4455	-44.0931	-31.8524	-23.0283	-24.8513	-38.3261	-27.7834	-26.0309
-115	-25.4278	-29.6438	-43.1356	-34.8432	-23.7672	-24.3652	-36.6082	-29.5609	-26.3095
-114	-24.8061	-28.4145	-40.6115	-36.3069	-24.1073	-23.9306	-35.739	-30.5408	-26.4035
-113	-24.2461	-26.7732	-36.839	-34.2209	-23.9895	-23.5796	-35.2484	-30.313	-26.1946
-112	-23.706	-25.3785	-33.6081	-31.8393	-23.6031	-23.322	-34.6157	-29.9537	-25.8838
-111	-23.1472	-24.3915	-31.4815	-30.4937	-23.1791	-23.1463	-33.3869	-30.3646	-25.71
-110	-22.6034	-23.8341	-30.4538	-30.2193	-22.8848	-23.0167	-31.5701	-31.9336	-25.7694
-109	-22.1622	-23.7503	-30.4707	-30.9982	-22.8208	-22.8917	-29.5762	-34.8158	-26.0308
-108	-21.934	-24.2127	-31.5149	-32.9736	-23.0421	-22.7355	-27.7651	-37.87	-26.4489
-107	-22.0065	-25.308	-33.5382	-36.6439	-23.5791	-22.5431	-26.2988	-37.0366	-27.0413
-106	-22.4211	-27.0435	-35.9529	-43.0966	-24.4426	-22.3334	-25.2138	-34.547	-27.893
-105	-23.1527	-28.9612	-36.72	-43.3451	-25.5865	-22.1416	-24.4815	-33.0854	-29.0617
-104	-24.0797	-29.5881	-35.2185	-37.4655	-26.8435	-22.0099	-24.0552	-32.6514	-30.3828
-103	-24.9705	-28.4178	-33.452	-34.2233	-27.8534	-21.9296	-23.8741	-32.8426	-31.2444
-102	-25.6036	-27.0268	-32.1894	-32.4221	-28.1896	-21.919	-23.8756	-33.1731	-31.0453
-101	-26.0097	-26.3128	-31.4673	-31.432	-27.7812	-21.9415	-23.9966	-33.1883	-30.1783
-100	-26.3799	-26.4511	-31.3458	-30.9595	-26.9927	-21.9639	-24.1757	-32.7784	-29.4017
-99	-26.8538	-27.4584	-32.046	-30.8541	-26.1564	-21.9627	-24.3573	-32.1222	-29.0749
-98	-27.3856	-29.3146	-34.0165	-31.0724	-25.4754	-21.9419	-24.4949	-31.3971	-29.2502
-97	-27.7875	-31.7607	-38.4064	-31.6587	-25.0154	-21.9229	-24.5581	-30.6923	-29.8567
-96	-28.0223	-33.3929	-49.9016	-32.7308	-24.7853	-21.9359	-24.5358	-30.0758	-30.7478
-95	-28.2959	-32.4063	-40.5961	-34.3642	-24.7951	-21.9957	-24.4388	-29.6113	-31.7317
-94	-28.8388	-30.3536	-34.766	-36.5198	-24.9742	-22.1042	-24.3007	-29.3491	-32.6288
-93	-29.8329	-28.7814	-32.3301	-37.9394	-25.2497	-22.2488	-24.1784	-29.3	-33.3169
-92	-31.4895	-28.0028	-31.7554	-36.8996	-25.5347	-22.3961	-24.1387	-29.4205	-33.8252
-91	-34.3361	-28.0725	-32.7274	-34.6602	-25.7386	-22.5054	-24.2516	-29.6436	-34.2527
-90	-39.7299	-28.8489	-35.0582	-32.7497	-25.8627	-22.5377	-24.5758	-29.8994	-34.7553
-89	-39.8661	-29.6387	-36.2644	-31.4155	-25.9552	-22.4922	-25.1431	-30.1331	-35.3569
-88	-31.9076	-28.7996	-33.0091	-30.5432	-26.0887	-22.418	-25.9448	-30.3326	-35.9977
-87	-27.0187	-26.9113	-29.4971	-29.9755	-26.3161	-22.3934	-26.9226	-30.5302	-36.5086
-86	-23.8102	-24.8769	-27.1592	-29.5605	-26.6452	-22.4947	-27.9513	-30.7869	-36.6387
-85	-21.6179	-23.5081	-25.84	-29.165	-27.0263	-22.7752	-28.8399	-31.1618	-36.2146
-84	-20.103	-22.8531	-25.3454	-28.6958	-27.4168	-23.2425	-29.4112	-31.7011	-35.3231
-83	-19.0426	-22.784	-25.5097	-28.0983	-27.7096	-23.8656	-29.5919	-32.4351	-34.2604
-82	-18.2547	-23.0576	-26.1495	-27.4831	-27.8464	-24.5719	-29.4911	-33.3535	-33.3646
-81	-17.6417	-23.346	-26.9639	-27.0134	-27.859	-25.2633	-29.3278	-34.4305	-32.8616
-80	-17.2065	-23.4629	-27.6527	-26.8383	-27.9188	-25.8513	-29.3422	-35.5944	-32.8939
-79	-17.0256	-23.5071	-28.2492	-27.1744	-28.2509	-26.3205	-29.7264	-36.7162	-33.5684
-78	-17.1956	-23.835	-29.2741	-28.1479	-29.1182	-26.7513	-30.6385	-37.	

-68	-16.409	-19.2005	-21.4868	-28.0704	-30.3017	-39.8454	-35.7752	-26.1205	-28.2166
-67	-15.313	-18.2847	-21.0457	-28.2982	-31.6562	-37.8373	-33.8142	-25.5887	-26.9511
-66	-14.5868	-17.6082	-20.6919	-28.9048	-33.3212	-34.8239	-31.9838	-25.2295	-25.7574
-65	-14.2694	-17.2815	-20.5654	-29.6729	-34.8478	-32.2943	-30.2345	-24.9347	-24.6921
-64	-14.3467	-17.3191	-20.6697	-30.1472	-35.5623	-30.4723	-28.695	-24.607	-23.7826
-63	-14.7568	-17.6761	-20.8564	-29.8663	-35.0068	-29.2577	-27.5401	-24.2318	-23.0339
-62	-15.3898	-18.2103	-20.91	-28.9307	-33.4928	-28.5142	-26.8793	-23.8318	-22.4538
-61	-16.0948	-18.7597	-20.7369	-27.7999	-31.716	-28.1942	-26.7459	-23.4895	-22.0243
-60	-16.6823	-19.1889	-20.4542	-26.7897	-30.1573	-28.3163	-27.1499	-23.279	-21.7313
-59	-17.0033	-19.4149	-20.2307	-26.0206	-29.0317	-28.962	-27.9903	-23.2471	-21.5522
-58	-16.9874	-19.4227	-20.1306	-25.5474	-28.4227	-30.1432	-29.0407	-23.403	-21.4655
-57	-16.6828	-19.1898	-20.1076	-25.4064	-28.3591	-31.7468	-29.9228	-23.7044	-21.4546
-56	-16.2204	-18.784	-20.0964	-25.6895	-28.8761	-33.0546	-30.2698	-24.0691	-21.4818
-55	-15.7676	-18.3514	-20.116	-26.4944	-30.0392	-32.9976	-30.0641	-24.368	-21.5536
-54	-15.4673	-18.0734	-20.2839	-27.9416	-32.0097	-31.8468	-29.4947	-24.4758	-21.6642
-53	-15.4225	-18.0972	-20.7434	-30.2114	-35.1771	-30.6497	-28.7149	-24.3078	-21.8017
-52	-15.6671	-18.5282	-21.5946	-33.4615	-40.4354	-29.8031	-27.8119	-23.8462	-21.9632
-51	-16.1975	-19.4081	-22.8567	-36.9875	-44.2289	-29.2354	-26.8602	-23.1637	-22.1272
-50	-16.9574	-20.7412	-24.4858	-36.6041	-37.9544	-28.6903	-25.8994	-22.3591	-22.2497
-49	-17.8528	-22.483	-26.3692	-33.3798	-33.4474	-27.8652	-24.9083	-21.5446	-22.2644
-48	-18.7485	-24.5066	-28.3918	-30.5716	-30.4736	-26.5594	-23.8467	-20.7969	-22.0994
-47	-19.5103	-26.5218	-30.2701	-28.4123	-28.2667	-24.817	-22.727	-20.1683	-21.729
-46	-20.0295	-27.9887	-31.0199	-26.6515	-26.4598	-22.8884	-21.6231	-19.6902	-21.2256
-45	-20.2744	-28.3122	-29.7296	-25.0996	-24.8597	-21.0397	-20.6182	-19.3759	-20.7278
-44	-20.2623	-27.4758	-27.4666	-23.645	-23.3711	-19.4348	-19.7534	-19.199	-20.3592
-43	-20.007	-26.0037	-25.3623	-22.1799	-21.9196	-18.1156	-18.9934	-19.1015	-20.1537
-42	-19.4963	-24.3	-23.5912	-20.6701	-20.4482	-17.0595	-18.2557	-18.9586	-20.0044
-41	-18.703	-22.521	-21.9918	-19.1358	-18.9269	-16.1962	-17.445	-18.6072	-19.6529
-40	-17.6751	-20.7216	-20.4193	-17.6148	-17.3687	-15.4238	-16.4971	-17.9348	-18.8561
-39	-16.538	-18.9606	-18.8072	-16.1525	-15.8326	-14.6445	-15.4107	-16.933	-17.6207
-38	-15.4215	-17.2983	-17.1875	-14.7795	-14.3889	-13.7991	-14.2352	-15.7034	-16.178
-37	-14.3947	-15.779	-15.6169	-13.5212	-13.0897	-12.8759	-13.0358	-14.3657	-14.7416
-36	-13.462	-14.4092	-14.1372	-12.381	-11.9614	-11.9023	-11.8755	-13.0191	-13.4208
-35	-12.5705	-13.1786	-12.7755	-11.3575	-11.0049	-10.921	-10.8022	-11.744	-12.2346
-34	-11.6672	-12.0549	-11.5505	-10.4405	-10.1954	-9.98184	-9.8509	-10.5957	-11.1836
-33	-10.708	-11.0111	-10.4693	-9.61796	-9.49605	-9.12415	-8.03446	-9.61262	-10.2472
-32	9.68953	-10.0301	-9.52894	-8.86793	-8.87409	-8.37246	-8.34972	-8.80411	-9.4098
-31	8.64211	-9.10161	-8.71461	-8.17025	-8.28962	-7.73629	-7.77513	-8.16004	8.64605
-30	7.61314	-8.22994	-8.00303	-7.51004	-7.71395	-7.20073	-7.27401	-7.64685	-7.92386
-29	6.6615	-7.42138	-7.36564	-6.8731	-7.11977	-6.7306	-6.80188	-7.21202	-7.21568
-28	5.82477	-6.68193	-6.76798	-6.24982	-6.48992	-6.28147	-6.31953	-6.79542	-6.51102
-27	5.12677	-6.01108	-6.18213	-5.62678	-5.81438	-5.804	-5.80011	-6.34584	-5.80533
-26	4.56807	-5.39594	-5.5749	-4.99506	-5.10195	-5.26641	-5.23592	-5.82685	-5.11039
-25	4.1254	-4.81804	-4.92678	-4.35803	-4.37789	-4.66655	-4.63483	-5.22711	-4.43596
-24	3.7588	-4.253	-4.23098	-3.71271	-3.67306	-4.02748	-4.01833	-4.5591	-3.78899
-23	3.41067	-3.67818	-3.50704	-3.09957	-3.01362	-3.38784	-3.40891	-3.85298	-3.1708
-22	3.01938	-3.07726	-2.78364	-2.50882	-2.42175	-2.78821	-2.82617	-3.14841	-2.58227
-21	2.53598	-2.44387	-2.09566	-1.95894	-1.90172	-2.25685	-2.28436	-2.48328	-2.01967
-20	1.9438	-1.79079	-1.467	-1.45826	-1.45019	-1.8107	-1.78975	-1.8893	-1.48319
-19	1.26711	-1.13941	-0.914E-01	-1.0077	-1.05691	-1.44739	-1.34249	-1.37952	-0.73E-01
-18	5.62E-01	-5.20E-01	-4.43E-01	-6.05E-01	-7.03E-01	-1.15081	-9.36E-01	-9.59E-01	4.90E-01
-17	1.09E-01	3.62E-02	-4.68E-02	-2.40E-01	-3.73E-01	-8.95E-01	-5.65E-01	-6.17E-01	-4.25E-02
-16	6.94E-01	5.08E-01	2.86E-01	9.24E-02	-5.12E-02	-6.47E-01	-2.25E-01	-3.40E-01	3.57E-01
-15	1.16125	8.85E-01	5.74E-01	4.05E-01	2.69E-01	-3.82E-01	8.35E-02	-1.17E-01	6.95E-01
-14	1.50415	1.17329	8.40E-01	7.04E-01	5.88E-01	-8.74E-02	3.53E-01	6.64E-02	9.62E-01
-13	1.73555	1.38739	1.10507	9.92E-01	9.02E-01	2.35E-01	5.78E-01	2.24E-01	1.15556
-12	1.88437	1.55349	1.38212	1.27058	1.19845	5.69E-01	7.55E-01	3.65E-01	1.28301
-11	1.98706	1.70061	1.67336	1.53248	1.46824	8.91E-01	8.85E-01	5.03E-01	1.36383
-10	2.08364	1.85555	1.96917	1.77418	1.70453	1.1738	9.75E-01	6.45E-01	1.42417
-9	2.2053	2.03838	2.25663	1.99117	1.90668	1.40057	1.03816	7.97E-01	1.49066
-8	2.37257	2.26004	2.52253	2.18232	2.08031	1.56201	1.0942	9.62E-01	1.58813
-7	2.58814	2.51844	2.75774	2.34929	2.23611	1.66306	1.16625	1.14275	1.73502
-6	2.83416	2.79697	2.95845	2.49573	2.38598	1.71992	1.27425	1.33678	1.93657
-5	3.07401	3.06987	3.12327	2.62868	2.54155	1.75825	1.42959	1.54074	2.18227
-4	3.2723	3.31123	3.25635	2.75196	2.70695	1.80305	1.628	1.74562	2.44346
-3	3.39675	3.49862	3.36147	2.87007	2.87658	1.86964	1.84883	1.93268	2.67806
-2	3.43251	3.62058	3.44347	2.97742	3.03671	1.95667	2.05835	2.08179	2.84877
-1	3.37926	3.66883	3.5008	3.06467	3.16346	2.04458	2.22018	2.16918	2.92312
0	3.25646	3.65045	3.52678	3.11106	3.23152	2.10486	2.3029	2.18137	2.89897
1	3.08297	3.56118	3.50234	3.09422	3.21909	2.109	2.28649	2.11273	2.74973
2	2.88365	3.40948	3.40675	2.99406	3.11139	2.03644	2.16509	1.97024	2.53202
3	2.66906	3.19398	3.22314	2.80151	2.9089	1.8807	1.95191	1.77165	2.27121
4	2.45131	2.92656	2.94801	2.52382	2.62491	1.65069	1.67527	1.54591	2.01485
5	2.2407	2.62252	2.59492	2.18483	2.28969	1.37262	1.37645	1.32279	1.80434
6	2.04424	2.3064	2.19915	1.82186	1.94501	1.08662	1.10349	1.13202	1.66655
7	1.86003	2.0064	1.81049	1.48348	1.63895	8.38E-01	8.98E-01	9.88E-01	1.60278
8	1.68284	1.74838	1.48638	1.21873	1.41257	6.64E-01	7.79E-01	8.87E-01	1.58924
9	1.50736	1.55179	1.27472	1.06187	1.28552	5.76E-01	7.39E-01	8.05E-01	1.58192
10	1.34061	1.43298	1.2019	1.02082	1.24999	5.55E-01	7.44E-01	7.08E-01	1.53377
11	1.205	1.39384	1.25587	1.06885	1.27027	5.57E-01	7.46E-01	5.57E-01	1.40324
12	1.12504	1.42072	1.38831	1.15076	1.29337	5.28E-01	6.93E-01	3.26E-01	1.16248
13	1.10126	1.47647	1.52636	1.19854	1.26342	4.15E-01	5.39E-01	-8.09E-03	8.00E-01
14	1.10375	1.50713	1.59297	1.14824	1.13212	1.76E-01	2.53E-01	-4.49E-01	3.24E-01
15	1.07813	1.45773	1.52726	9.51E-01	8.63E-01	-2.15E-01	-1.80E-01	-9.85E-01	-2.42E-01
16	9.73E-01	1.28528	1.28797	5.79E-01	4.39E-01	-7.67E-01	-7.55E-01	-1.58863	-8.54E-01
17	7.52E-01	9.66E-01	8.61E-01	2.49E-02	-1.37E-01	-1.4648	-1.43995	-2.20652	-1.45559
18	4.01E-01	4.97E-01	2.56E-01	-6.93E-01	-8.40E-01	-2.26119	-2.17792	-2.77827	-1.99262
19	-8.73E-02	-1.10E-01	-4.97E-01	-1.53635	-1.62577	-3.07923	-2.89108	-3.24791	-2.43302
20	-7.13E-01	-8.35E-01	-1.34513	-2.43314	-2.41966	-3.82217	-3.50486	-3.59816	-2.78365
21	-1.47973	-1.64474	-2.21417	-3.29308	-3.1442	-4.40847	-3.98038	-3.86108	-3.0933
22	-2.37694	-2.49004	-3.0137	-4.0139	-3.73523	-4.81751	-4.3274	-4.10644	-3.42767
23	-3.35551	-3.29151	-3.65978	-4.52506	-4.17537	-5.09641	-4.60355	-4.40871	-3.85198
24	-4.30256	-3.94835	-4.10612	-4.83473	-4.50439	-5.33711	-4.88612	-4.82845	-4.41238
25	-5.06021	-4.39547	-4.38504	-5.02839	-4.79905	-5.63693	-5.24968	-5.41119	-5.13264
26	-5.52108	-4.65226	-4.59651	-5.23333	-5.14935	-6.07443	-5.7581	-6.17978	-6.01801
27	-5.72023	-4.83056	-4.86076	-5.56939	-5.63025	-6.70875	-6.45976	-7.14388	-7.05682
28	-5.81181	-5.0566	-5.27725	-6.12017	-6.30046	-7.57506	-7.38075	-8.28338	-8.22022
29	-5.94116	-5.42688	-5.90145	-6.93333	-7.18764	-8.67513	-8.51106	-9.54066	-9.45052
30	-6.19859	-5.98285	-6.74757	-8.01589	-8.29528	-9.96552	-9.7891	-10.7935	-10.6607
31	-6.62444	-6.73255	-7.78749	-9.33185	-9.581	-11.3377	-11.0931	-11.8816	-11.7615
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33	-8.05831	-8.72151	-10.1686	-12.2003	-12.28	-13.6675	-13.1765	-13.3387	-13.5818
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35	-10.3024	-11.0243	-12.2093	-14.0956	-14.1798	-15.1002	-14.5407	-14.7	

45	-19.7167	-22.6794	-26.0983	-23.4634	-21.6734	-19.4503	-19.2922	-20.5191	-23.0875
46	-21.0309	-24.2919	-27.9434	-23.3022	-21.4453	-19.515	-19.3199	-20.4217	-22.0577
47	-22.8079	-25.5263	-28.6921	-23.3823	-21.3433	-19.9401	-19.7569	-20.5139	-21.1805
48	-24.9184	-26.2325	-28.5535	-23.7696	-21.4505	-20.5487	-20.441	-20.6067	-20.4117
49	-26.9212	-26.5873	-28.1715	-24.3817	-21.7297	-21.1049	-21.1209	-20.6029	-19.8259
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51	-29.0852	-28.8435	-28.3771	-25.5615	-22.2989	-21.34	-21.613	-20.6453	-19.7354
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53	-27.6865	-40.8973	-27.8464	-24.3115	-22.2774	-20.4644	-20.7932	-21.2872	-21.536
54	-26.0838	-42.5831	-26.4952	-22.8716	-22.0943	-19.9408	-20.1767	-21.6488	-22.9194
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56	-24.453	-33.2589	-25.1328	-21.1344	-22.0131	-19.4499	-19.3387	-22.0329	-24.6424
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58	-25.5958	-38.2342	-28.1637	-22.1831	-22.98	-20.037	-19.7457	-22.3301	-23.7711
59	-26.7205	-36.6432	-32.5942	-23.8398	-23.883	-20.5601	-20.4072	-22.4731	-22.9819
60	-27.8057	-32.2161	-42.8947	-26.13	-24.9586	-21.0792	-21.2302	-22.5965	-22.3068
61	-28.8665	-30.1372	-43.9155	-28.6339	-26.1124	-21.5815	-22.0867	-22.8626	-22.021
62	-30.0525	-30.1985	-37.3775	-30.6107	-27.3152	-22.2296	-22.9799	-23.5449	-22.3675
63	-30.717	-32.2634	-37.3389	-31.6171	-28.56	-23.2342	-24.0907	-24.9601	-23.6025
64	-29.5518	-34.5856	-39.5816	-31.297	-29.5664	-24.7798	-25.7216	-27.4433	-25.998
65	-27.3942	-31.7795	-34.8654	-29.3383	-29.6329	-26.9502	-28.28	-31.1302	-29.4574
66	-25.6712	-28.2555	-29.524	-26.7856	-28.5296	-29.4201	-32.4708	-33.5873	-30.4994
67	-24.7342	-26.3677	-26.3116	-24.6664	-27.0248	-30.6887	-40.3743	-31.3337	-27.4884
68	-24.3981	-25.8393	-24.608	-23.2304	-25.7541	-29.5034	-42.1382	-28.8859	-25.018
69	-24.2105	-26.1286	-24.0146	-22.3852	-24.8673	-27.3418	-34.523	-27.4955	-23.7621
70	-23.711	-26.2394	-24.2201	-21.9288	-24.2691	-25.3331	-30.6823	-26.6284	-23.3926
71	-22.9375	-25.3038	-24.7643	-21.6108	-23.796	-23.7116	-28.2132	-25.7589	-23.5079
72	-22.3618	-23.9204	-24.9451	-21.2709	-23.3394	-22.5376	-26.4826	-24.7949	-23.6741
73	-22.4158	-23.0393	-24.4303	-20.938	-22.9184	-21.8244	-25.3787	-24.0795	-23.6705
74	-23.4032	-23.0859	-23.729	-20.7774	-22.6297	-21.5553	-24.8948	-23.958	-23.6185
75	-25.6702	-24.2749	-23.4673	-20.9536	-22.5465	-21.633	-25.0028	-24.7093	-23.8652
76	-29.9976	-26.9406	-23.9861	-21.5559	-22.649	-21.8442	-25.5063	-26.5738	-24.6573
77	-39.9127	-32.0075	-25.4809	-22.5882	-22.8118	-21.8855	-25.8578	-29.8906	-26.1333
78	-40.1164	-42.6922	-28.0951	-23.9686	-22.8605	-21.5684	-25.3671	-34.0675	-28.335
79	-32.0702	-37.2655	-31.413	-25.548	-22.7146	-21.0138	-24.1137	-33.7203	-31.1356
80	-28.6617	-32.1956	-32.4652	-27.21	-22.4649	-20.5072	-22.7919	-30.8656	-33.9156
81	-26.1786	-29.9544	-30.55	-29.0175	-22.2966	-20.2634	-21.8497	-29.5132	-35.2942
82	-23.854	-28.3742	-29.0049	-31.1847	-22.3551	-20.3849	-21.4143	-29.7391	-34.5333
83	-21.8172	-26.7461	-28.5505	-33.7132	-22.702	-20.8873	-21.474	-31.4329	-32.731
84	-20.3143	-25.2297	-28.9983	-35.382	-23.3288	-21.727	-21.9563	-34.6068	-31.0025
85	-19.4513	-24.1725	-29.9567	-34.6471	-24.1443	-22.7923	-22.7264	-38.3633	-29.8626
86	-19.2363	-23.7286	-30.7697	-33.0946	-25.0067	-23.8557	-23.5531	-38.5088	-29.4709
87	-19.6104	-23.8804	-30.8131	-32.1743	-25.7499	-24.5502	-24.0801	-36.1057	-29.8681
88	-20.4344	-24.4522	-30.1819	-32.0995	-26.2213	-24.5325	-23.9682	-33.91	-30.9877
89	-21.4077	-25.0454	-29.3808	-32.7706	-26.3774	-23.8131	-23.2074	-31.7047	-32.5835
90	-22.047	-25.1105	-28.6639	-33.9656	-26.286	-22.7419	-22.1089	-29.4356	-34.1066
91	-22.0671	-24.4303	-28.001	-35.1093	-26.079	-21.653	-21.0036	-27.446	-34.8768
92	-21.6714	-23.3473	-27.2355	-35.0301	-25.8632	-20.7344	-20.0846	-25.9906	-34.5617
93	-21.2502	-22.2761	-26.2632	-33.2879	-25.6867	-20.0711	-19.4392	-25.1456	-33.1167
94	-21.0318	-21.433	-25.1455	-31.0131	-25.5392	-19.6906	-19.0978	-24.922	-30.9308
95	-21.0925	-20.891	-24.073	-29.0517	-25.3838	-19.5913	-19.0566	-25.3277	-28.7357
96	-21.4086	-20.6561	-23.24	-27.6554	-25.2134	-19.7538	-19.2956	-26.4073	-26.9888
97	-21.918	-20.6908	-22.7742	-26.8405	-25.0495	-20.1546	-19.7788	-28.2838	-25.8173
98	-22.4576	-20.9114	-22.7289	-26.5634	-24.9303	-20.7327	-20.449	-31.2422	-25.1588
99	-22.8291	-21.1933	-23.0978	-26.7333	-24.8863	-21.4068	-21.2264	-35.9714	-24.8458
100	-22.9233	-21.4438	-23.8038	-27.1786	-24.9158	-22.0667	-22.0018	-43.3946	-24.6359
101	-22.8884	-21.6155	-24.6689	-27.6041	-24.987	-22.5815	-22.6515	-40.911	-24.2672
102	-23.0109	-21.7696	-25.37	-27.6222	-25.0453	-22.8623	-23.0683	-35.9497	-23.6262
103	-23.5341	-21.9774	-25.5059	-27.0309	-25.0237	-22.9012	-23.2148	-33.2746	-22.7916
104	-24.5801	-22.2707	-24.8763	-26.0291	-24.8516	-22.7565	-23.1459	-31.6298	-21.8848
105	-26.0402	-22.6023	-23.7037	-24.9822	-24.4725	-22.5066	-22.9714	-30.3962	-20.9917
106	-27.2679	-22.8532	-22.4035	-24.147	-23.8927	-22.2176	-22.8192	-29.2745	-20.1853
107	-27.1065	-22.8807	-21.2945	-23.649	-23.2	-21.9381	-22.7974	-28.125	-19.5125
108	-25.5915	-22.6057	-20.5474	-23.5309	-22.5243	-21.7133	-22.9936	-26.8695	-19.0221
109	-23.8118	-22.0926	-20.2396	-23.78	-21.9749	-21.5912	-23.4722	-25.4967	-18.757
110	-22.336	-21.5055	-20.3893	-24.3279	-21.6131	-21.6182	-24.2851	-24.0746	-18.7352
111	-21.3023	-21.0332	-20.9728	-25.0416	-21.4488	-21.8354	-25.4656	-22.7355	-18.9441
112	-20.742	-20.8161	-21.92	-25.7038	-21.4581	-22.2709	-26.998	-21.6056	-19.3293
113	-20.6728	-20.9444	-23.0961	-26.0554	-21.5976	-22.9375	-28.7546	-20.7633	-19.811
114	-21.0788	-21.4293	-24.3012	-25.9146	-21.8064	-23.8242	-30.3531	-20.2276	-20.2901
115	-21.8257	-22.2031	-25.3023	-25.2974	-22.039	-24.8913	-31.207	-19.9643	-20.6698
116	-22.5071	-23.0564	-25.925	-24.4013	-22.2183	-26.0622	-31.0747	-19.8936	-20.9136
117	-22.4971	-23.6237	-26.145	-23.457	-22.2504	-27.2191	-30.2387	-19.9004	-21.0647
118	-21.6182	-23.5898	-26.1006	-22.6406	-22.0613	-28.2098	-28.9875	-19.8644	-21.2341
119	-20.4099	-23.0087	-26.025	-22.024	-21.6683	-28.8803	-27.4737	-19.7132	-21.5523
120	-19.3575	-22.1899	-26.1332	-21.6462	-21.1904	-29.1412	-25.8785	-19.4541	-22.1343
121	-18.6391	-21.3851	-26.5415	-21.4615	-20.7746	-29.0576	-24.3929	-19.1531	-23.0598
122	-18.2689	-20.7088	-27.2415	-21.3869	-20.5262	-28.8525	-23.1318	-18.8888	-24.3507
123	-18.2275	-20.1939	-28.1097	-21.3344	-20.4777	-28.7922	-22.118	-18.726	-25.9238
124	-18.48	-19.8507	-29.002	-21.1863	-20.6051	-29.0607	-21.3124	-18.7047	-27.5105
125	-18.9822	-19.6573	-29.8895	-20.8448	-20.8355	-29.6598	-20.6495	-18.8492	-28.6828
126	-19.6128	-19.5812	-30.8138	-20.3006	-21.1071	-30.2441	-20.0819	-19.1667	-29.1971
127	-20.1448	-19.5825	-31.6063	-19.6465	-21.3602	-30.11	-19.596	-19.6529	-29.2468
128	-20.3278	-19.6264	-31.7717	-19.0204	-21.602	-29.0537	-19.208	-20.26	-29.1128
129	-20.1368	-19.6766	-31.2377	-18.5673	-21.8328	-27.7429	-18.9387	-20.9138	-28.8574
130	-19.8129	-19.7409	-30.7421	-18.3712	-22.0245	-26.7892	-18.7654	-21.4775	-28.3827
131	-19.6619	-19.8121	-31.0342	-18.4708	-22.1201	-26.4115	-18.6477	-21.8069	-27.6049
132	-19.8531	-19.9025	-32.6508	-18.8545	-22.089	-26.5943	-18.535	-21.8618	-26.5475
133	-20.4594	-19.9888	-36.0387	-19.4492	-21.9708	-27.1586	-18.4155	-21.7753	-25.345
134	-21.5095	-20.0621	-38.4444	-20.1271	-21.8589	-27.7223	-18.3308	-21.77	-24.1651
135	-23.1075	-20.0981	-34.2955	-20.725	-21.8249	-27.8236	-18.3511	-22.0306	-23.1426
136	-25.5571	-20.0992	-30.5487	-21.1118	-21.8758	-27.3322	-18.5282	-22.646	-22.3561
137	-29.7134	-20.0776	-28.2553	-21.2249	-21.9736	-26.5133	-18.8746	-23.566	-21.8188
138	-37.6938	-20.0845	-26.8165	-21.114	-22.0836	-25.6127	-19.3568	-24.564	-21.4839
139	-33.3978	-20.2009	-25.7772	-20.9025	-22.233	-24.7335	-19.9103	-25.3016	-21.2473
140	-27.134	-20.5025	-24.9165	-20.7277	-22.5082	-23.9286	-20.4527	-25.6534	-20.9991
141	-23.9011	-21.0868	-24.2507	-20.6928	-22.9884	-23.2635	-20.8682	-25.8354	-20.6272
142	-22.2006	-22.0084	-23.9018	-20.7943	-23.6621	-22.7853	-20.9875	-26.025	-20.0905
143	-21.4603	-23.2561	-23.9309	-20.9154	-24.3507	-22.4784	-20.6742	-26.0005	-19.4191
144	-21.3115	-24.5902	-24.2209	-20.8303	-24.7364	-22.2602	-19.9945	-25.3422	-18.7459
145	-21.3442	-25.3401	-24.4263	-20.3851	-24.635	-22.0536	-19.2298	-24.1357	-18.2217
146	-21.1174	-24.8203	-24.1795	-19.6862	-24.241	-21.8648	-18.6473	-22.9293	-17.9991
147	-20.4238	-23.38	-23.5248	-18.989	-23.8902	-21.8015	-18.4341	-22.1382	-18.2037
148	-19.4669	-21.8088	-22.8679	-18.5025	-23.7881	-22.037	-18.6665	-21.9054	-18.9666
149	-18.5947	-20.506	-22.5665	-18.3254					

158	-18.7655	-23.8723	-17.8298	-21.5616	-19.3131	-19.0348	-21.3278	-17.0858	-18.2155
159	-17.564	-24.6754	-17.6655	-21.2472	-19.8554	-18.5818	-21.7458	-17.3304	-18.2869
160	-17.5488	-25.5117	-18.5631	-21.5178	-21.2846	-18.9222	-23.0476	-18.5539	-18.9936
161	-18.5368	-25.2961	-20.8236	-22.1701	-23.4972	-19.9183	-23.994	-20.9722	-19.6517
162	-20.4639	-23.3033	-25.3229	-22.7165	-24.8677	-21.0416	-22.2677	-24.5083	-18.986
163	-23.3733	-20.8331	-32.2377	-22.6753	-22.97	-21.2254	-19.2809	-25.9491	-17.0766
164	-27.7634	-18.895	-26.0641	-22.1411	-20.1405	-20.2069	-16.8875	-23.128	-15.2079
165	-36.0455	-17.7295	-20.98	-21.5544	-18.0743	-18.996	-15.3605	-20.5871	-14.002
166	-31.1388	-17.3476	-18.1337	-21.1023	-16.8674	-18.2637	-14.6035	-19.1089	-13.5791
167	-23.5692	-17.7629	-16.443	-20.6163	-16.3995	-18.1179	-14.495	-18.2542	-13.929
168	-19.3111	-19.0042	-15.497	-19.9017	-16.536	-18.3871	-14.9126	-17.5775	-14.9737
169	-16.7624	-21.1092	-15.1393	-19.0501	-17.1588	-18.7413	-15.7062	-16.881	-16.463
170	-15.4508	-23.8138	-15.3559	-18.3598	-18.068	-18.8758	-16.7133	-16.3022	-17.7701
171	-15.2386	-25.4116	-16.1724	-18.0729	-18.9965	-18.7582	-17.7835	-16.0965	-18.1748
172	-16.1285	-24.2501	-17.5688	-18.2851	-19.6533	-18.5585	-18.8226	-16.4789	-17.8743
173	-18.2577	-22.3683	-19.1943	-18.8974	-19.9811	-18.3915	-19.7119	-17.5057	-17.5421
174	-21.7349	-21.1212	-20.0922	-19.6036	-20.2329	-18.2101	-20.1415	-18.9817	-17.4016
175	-25.0419	-20.6919	-19.7869	-20.0151	-20.7683	-17.9906	-19.8294	-20.1949	-17.2426
176	-24.3521	-21.0758	-19.3619	-20.0983	-21.8881	-17.9252	-18.981	-20.4034	-16.8574
177	-23.0792	-22.3327	-19.8868	-20.3134	-23.7192	-18.3693	-18.1171	-20.1077	-16.3709
178	-23.885	-24.426	-22.1826	-21.1342	-25.4487	-19.7328	-17.5717	-20.3012	-16.1183
179	-27.8115	-26.1709	-27.6298	-22.7535	-24.4563	-22.4728	-17.4095	-21.3546	-16.3476
Max Gain	3.433	3.669	3.527	3.111	3.232	2.109	2.303	2.181	2.923
30Dragee Max Gai	-5.941	-5.983	-7.787	-8.170	-8.290	-7.736	-7.775	-8.160	-9.410

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	-25.1946	-29.1832	-20.2425	-26.9669	-17.7627	-18.4166	-16.3812	-15.6252	-14.7425
-179	-24.8639	-37.8684	-22.0121	-34.0045	-20.2732	-20.5497	-19.7173	-17.2248	-16.8943
-178	-22.5558	-28.321	-22.9002	-28.1065	-23.5691	-22.3811	-24.6005	-19.2536	-20.0906
-177	-20.8236	-24.1706	-22.4693	-23.9746	-25.6032	-22.6686	-29.3794	-21.1756	-24.2359
-176	-20.2047	-22.7463	-22.0828	-22.4412	-24.9956	-22.2696	-30.0358	-22.5694	-28.2113
-175	-20.5988	-23.0939	-22.7813	-22.6049	-24.5337	-22.6151	-31.4308	-23.8634	-30.5157
-174	-21.701	-25.1665	-24.9816	-24.2005	-25.5734	-24.4257	-39.3607	-25.8458	-31.9457
-173	-22.8745	-29.2291	-27.7598	-27.0594	-28.1562	-28.1234	-36.5658	-28.4974	-30.7012
-172	-23.3237	-32.0371	-26.173	-29.8221	-29.1457	-31.304	-28.0255	-28.8862	-27.0756
-171	-23.2346	-27.9187	-22.7307	-29.4315	-25.8586	-28.1364	-24.6604	-26.3495	-24.3696
-170	-23.5456	-24.5792	-20.6807	-27.7508	-23.0057	-25.4349	-23.5385	-24.3475	-23.1383
-169	-24.9782	-22.7875	-20.0932	-26.6893	-21.6216	-24.7817	-24.0014	-23.6353	-23.3293
-168	-28.1708	-21.9769	-20.882	-25.9221	-21.5627	-26.0161	-25.7736	-24.112	-25.0433
-167	-33.3442	-21.7676	-23.2316	-24.8298	-22.8163	-28.9848	-28.1338	-25.5341	-28.7292
-166	-31.6682	-21.9046	-27.7377	-23.4648	-25.5959	-30.51	-28.7999	-27.1552	-34.2564
-165	-26.7894	-22.2319	-32.6153	-22.3067	-30.2882	-27.1894	-27.4178	-27.5859	-32.12
-164	-23.9001	-22.6554	-28.4954	-21.6304	-32.5878	-24.3404	-26.1971	-26.8001	-27.9068
-163	-22.2289	-23.0805	-25.0392	-21.4138	-28.4333	-23.0032	-25.7122	-26.1498	-25.7281
-162	-21.2335	-23.3748	-23.5531	-21.4111	-25.5479	-22.8727	-25.5536	-26.2093	-24.751
-161	-20.6344	-23.4652	-23.2712	-21.274	-24.2201	-23.6076	-25.0803	-26.934	-24.3716
-160	-20.3256	-23.4581	-23.6537	-20.8554	-23.9655	-24.6509	-24.1038	-27.88	-24.2049
-159	-20.341	-23.6031	-24.1371	-20.3552	-24.5263	-25.1582	-23.0507	-28.3641	-24.1072
-158	-20.7552	-24.1396	-24.3366	-20.0993	-25.7469	-24.8299	-22.3669	-28.1775	-24.1517
-157	-21.6211	-25.2311	-24.2892	-20.2965	-27.5171	-24.2995	-22.2812	-27.8226	-24.5004
-156	-22.9728	-26.9705	-24.2817	-21.043	-29.6835	-24.1245	-22.9212	-27.7562	-25.3094
-155	-24.6898	-29.3596	-24.4887	-22.3469	-31.8487	-24.4452	-24.4224	-28.1045	-26.7569
-154	-26.3245	-32.1571	-24.8455	-24.0908	-33.1993	-25.1538	-27.0169	-28.796	-29.1357
-153	-26.9535	-34.3668	-25.1269	-25.8103	-33.144	-25.971	-31.035	-29.6772	-33.0473
-152	-26.1096	-34.376	-25.1102	-26.4918	-32.1853	-26.4539	-35.2384	-30.5669	-38.4433
-151	-24.5194	-32.6202	-24.7442	-25.6082	-31.0386	-26.1654	-33.5686	-31.2487	-35.7682
-150	-22.9216	-30.6321	-24.1587	-24.009	-30.0294	-25.1242	-30.4976	-31.5175	-31.0808
-149	-21.601	-29.1093	-23.5183	-22.5105	-29.2861	-23.812	-28.7466	-31.3503	-28.4491
-148	-20.6288	-28.2717	-22.9331	-21.4138	-28.8792	-22.6874	-27.9729	-31.0153	-27.1981
-147	-20.0048	-28.2224	-22.4387	-20.7907	-28.8515	-21.9931	-27.8347	-30.8555	-26.9264
-146	-19.6927	-29.0415	-22.038	-20.6371	-29.2088	-21.8142	-28.1609	-31.0857	-27.3851
-145	-19.633	-30.8552	-21.6973	-20.9046	-29.9193	-22.1424	-28.893	-31.7646	-28.316
-144	-19.7511	-33.856	-21.4205	-21.4751	-30.9061	-22.8796	-29.9157	-32.7881	-29.3671
-143	-19.9676	-38.0601	-21.2498	-22.1435	-32.0898	-23.7944	-30.7259	-33.8422	-30.1241
-142	-20.2201	-40.7721	-21.2725	-22.6474	-33.4261	-24.5211	-30.4564	-34.4634	-30.266
-141	-20.4711	-38.6686	-21.5654	-22.8161	-34.8322	-24.7638	-29.0977	-34.3998	-29.7369
-140	-20.7024	-36.1767	-22.1829	-22.7039	-35.9111	-24.581	-27.5384	-33.8795	-28.7217
-139	-20.8977	-34.4154	-23.135	-22.4933	-35.8347	-24.2537	-26.302	-33.3212	-27.5715
-138	-21.0405	-33.1774	-24.3571	-22.33	-34.4937	-24.0053	-25.4681	-33.0162	-26.6139
-137	-21.1293	-32.426	-25.6947	-22.2674	-32.7724	-23.9408	-24.9442	-33.0585	-26.0363
-136	-21.197	-32.2852	-26.8809	-22.2848	-31.2544	-24.1062	-24.5843	-33.2873	-25.9039
-135	-21.3073	-32.8643	-27.6053	-22.2981	-30.0266	-24.5291	-24.2386	-33.192	-26.1908
-134	-21.5295	-33.9873	-27.737	-22.1871	-28.9788	-25.2141	-23.7934	-32.2611	-26.8008
-133	-21.896	-34.5149	-27.4539	-21.8602	-27.9685	-26.1444	-23.2246	-30.7519	-27.5633
-132	-22.3607	-32.9372	-27.1076	-21.3327	-26.9129	-27.2821	-22.6166	-29.3044	-28.2372
-131	-22.7759	-30.3008	-27.0035	-20.7356	-25.8111	-28.6223	-22.1124	-28.2855	-28.541
-130	-22.928	-27.9712	-27.3463	-20.2281	-24.7312	-30.253	-21.8413	-27.7846	-28.2967
-129	-22.6937	-26.2391	-28.2569	-19.9207	-23.7551	-32.4224	-21.8873	-27.7508	-27.5967
-128	-22.1636	-25.0471	-29.8059	-19.8721	-22.9669	-35.6173	-22.2786	-28.0298	-26.7548
-127	-21.5458	-24.2897	-31.9597	-20.0782	-22.425	-40.9677	-22.9859	-28.3705	-26.0875
-126	-21.0088	-23.8747	-34.5014	-20.5157	-22.1626	-52.9856	-23.9089	-28.4801	-25.8029
-125	-20.6317	-23.7212	-36.9187	-21.1092	-22.1861	-45.0335	-24.854	-28.1753	-26.0374
-124	-20.4351	-23.7628	-38.9828	-21.7934	-22.4514	-39.3253	-25.5578	-27.4838	-26.9
-123	-20.421	-23.9454	-41.4171	-22.4756	-22.8618	-36.4735	-25.8326	-26.5405	-28.528
-122	-20.5804	-24.2319	-45.921	-23.0912	-23.2488	-34.5578	-25.767	-25.5004	-31.1777
-121	-20.9142	-24.6018	-59.7648	-23.6108	-23.4301	-32.8386	-25.6704	-24.5046	-35.2648
-120	-21.4137	-25.0457	-49.6678	-24.0786	-23.3112	-31.0202	-25.8725	-23.6783	-39.8396
-119	-22.0483	-25.5375	-43.0683	-24.587	-22.9531	-29.1107	-26.6453	-23.1116	-37.6468
-118	-22.7088	-26.0193	-39.8922	-25.2536	-22.5136	-27.2679	-28.2452	-22.8506	-33.8997
-117	-23.2325	-26.3894	-37.871	-26.1727	-22.148	-25.66	-31.0318	-22.9013	-31.626
-116	-23.449	-26.5445	-36.3146	-27.4025	-21.9551	-24.3994	-35.7575	-23.2239	-30.331
-115	-23.3157	-26.4627	-34.9898	-28.9494	-22.0075	-23.5429	-44.3089	-23.7381	-29.5368
-114	-22.9484	-26.2368	-33.8387	-30.7698	-22.3146	-23.1017	-44.1577	-24.3746	-28.854
-113	-22.5462	-26.0208	-32.8117	-32.8179	-22.842	-23.0403	-39.6979	-25.05	-28.0435
-112	-22.2507	-25.9531	-31.8404	-35.1291	-23.4969	-23.2709	-39.2629	-25.7532	-27.114
-111	-22.1549	-26.1315	-30.9122	-37.9302	-24.1546	-23.6466	-41.6979	-26.4819	-26.2179
-110	-22.325	-26.6027	-30.0766	-41.6823	-24.6854	-23.9803	-43.1518	-27.2185	-25.5023
-109	-22.7669	-27.3458	-29.419	-46.4879	-25.072	-24.1181	-37.7216	-27.9202	-25.0307
-108	-23.4669	-28.2242	-28.9831	-47.3238	-25.4166	-24.027	-33.16	-28.5536	-24.8135
-107	-24.3294	-28.8864	-28.7595	-43.3665	-25.8364	-23.7807	-30.1279	-29.1634	-24.8347
-106	-25.1641	-28.8757	-28.6673	-39.9473	-26.4044	-23.484	-28.0857	-29.8468	-25.0757
-105	-25.7402	-28.1232	-28.592	-37.0573	-27.1067	-23.2202	-26.7442	-30.6238	-25.5172
-104	-25.9112	-27.0597	-28.412	-34.4648	-27.8215	-23.0385	-25.9606	-31.3302	-26.1018
-103	-25.8122	-26.1083	-28.0589	-32.2249	-28.2827	-22.9417	-25.6447	-31.703	-26.7243
-102	-25.6523	-25.483	-27.5539	-30.4236	-28.1385	-22.8767	-25.6871	-31.7095	-27.2224
-101	-25.573	-25.2518	-27.0023	-29.0739	-27.2884	-22.7375	-25.8713	-31.6909	-27.4966
-100	-25.616	-25.405	-26.5481	-28.1421	-26.0623	-22.425	-25.8494	-32.0297	-27.6107
-99	-25.8031	-25.8813	-26.3236	-27.5594	-24.8699	-21.9379	-25.3415	-32.9421	-27.7306
-98	-26.0977	-26.5499	-26.4329	-27.251	-23.9521	-21.3754	-24.4321	-34.3618	-28.0052
-97	-26.4469	-27.2261	-26.9492	-27.1393	-23.4029	-20.8864	-23.4748	-35.7922	-28.4789
-96	-26.802	-27.7633	-27.9287	-27.1525	-23.2134	-20.5608	-22.7654	-36.375	-29.0841
-95	-27.0985	-28.1896	-29.4402	-27.229	-23.336	-20.4553	-22.456	-36.0448	-29.6493
-94	-27.4044	-28.7333	-31.5851	-27.3179	-23.6697	-20.5681	-22.6154	-35.5542	-29.9581
-93	-27.874	-29.676	-34.6692	-27.3912	-24.0762	-20.8728	-23.2583	-35.3123	-29.8756
-92	-28.6616	-31.2512	-39.412	-27.4609	-24.4199	-21.325	-24.351	-35.2591	-29.4468
-91	-29.6305	-33.3692	-46.7654	-27.5778	-24.5988	-21.8321	-25.7329	-35.2618	-28.8633
-90	-29.9558	-34.339	-42.8817	-27.8166	-24.6143	-22.2932	-26.9877	-35.4272	-28.3311
-89	-28.7296	-32.119	-37.4545	-28.2441	-24.5627	-22.6	-27.5128	-36.046	-27.9881
-88	-26.6589	-29.0631	-34.3904	-28.8964	-24.5854	-22.7228	-27.1624	-37.3607	-27.8903
-87	-24.7475	-26.6814	-32.5544	-29.7411	-24.7995	-22.7297	-26.4394	-39.0834	-27.9988
-86	-23.3106	-25.0793	-31.4423	-30.6273	-25.2436	-22.7397	-25.8143	-39.4453	-28.222
-85	-22.2435	-24.1456	-30.8781	-31.2447	-25.8294	-22.8402	-25.4868	-37.5457	-28.4429
-84	-21.3464	-23.7533	-30.7604	-31.2362	-26.293	-23.0485	-25.4875	-35.3878	-28.5791
-83	-20.4286	-23.7396	-31.0918	-30.4961	-26.2698	-23.3047	-25.7496	-33.9477	-28.7099
-82	-19.4396	-23.9063	-31.9014	-29.3479	-25.7291	-23.5038	-26.1193	-33.2657	-28.9375
-81	-18.502	-24.0113	-33.1805	-28.1513	-25.0181	-23.5619	-26.3817	-33.1955	-29.3929
-80	-17.76	-23.9623	-34.8083	-27.0843	-24.4954	-23.4842	-26.3966	-33.5865	-30.2095
-79	-17.335	-23.8791	-36.5227	-26.2529	-24.3551	-23.3638	-26.2296	-34.3138	-31.5082
-78	-17.2697	-23.926	-37.761	-25.6796	-24.6683	-23.3456	-26.0934	-35.2049	-33

-68	-15.313	-18.7881	-21.9158	-30.126	-30.8778	-26.9805	-24.8472	-26.1079	-26.1226
-67	-14.6013	-17.8041	-21.3455	-31.453	-31.9508	-26.3941	-24.1485	-25.1268	-25.421
-66	-14.1935	-17.1591	-20.8596	-32.4038	-32.9064	-26.1317	-23.9923	-24.3396	-24.748
-65	-14.0785	-16.9037	-20.5503	-32.5235	-33.0197	-26.2353	-24.2855	-23.7898	-24.1642
-64	-14.2197	-17.003	-20.4283	-31.6958	-31.7827	-26.5833	-24.8786	-23.4875	-23.7033
-63	-14.5489	-17.391	-20.4176	-30.2244	-29.788	-26.8507	-25.4949	-23.4172	-23.4045
-62	-14.9728	-17.9463	-20.4113	-28.5975	-27.8394	-26.6767	-25.846	-23.5292	-23.229
-61	-15.3849	-18.496	-20.3402	-27.1703	-26.276	-26.0795	-25.7915	-23.7286	-23.1308
-60	-15.6917	-18.8616	-20.2169	-26.1713	-25.2467	-25.4283	-25.4181	-23.8828	-22.997
-59	-15.8314	-18.9111	-20.0862	-25.6353	-24.7821	-25.0294	-24.8994	-23.8638	-22.7305
-58	-15.801	-18.6236	-19.9452	-25.5877	-24.8954	-24.9518	-24.3837	-23.6201	-22.283
-57	-15.6409	-18.1043	-19.7406	-25.9713	-25.6183	-25.101	-23.9666	-23.197	-21.6801
-56	-15.4316	-17.5283	-19.4477	-26.7073	-26.9702	-25.2663	-23.7015	-22.6844	-20.9834
-55	-15.2461	-17.0582	-19.1343	-27.6539	-28.9847	-25.3329	-23.6	-22.1616	-20.2556
-54	-15.1412	-16.8051	-18.9325	-28.637	-31.6986	-25.331	-23.6247	-21.6835	-19.549
-53	-15.1375	-16.8193	-18.9804	-29.5481	-35.1913	-25.438	-23.709	-21.2906	-18.9082
-52	-15.2532	-17.1032	-19.3454	-30.3881	-39.8136	-25.8094	-23.7771	-21.0103	-18.382
-51	-15.4935	-17.6132	-20.0431	-31.2246	-47.288	-26.4904	-23.785	-20.8641	-18.0013
-50	-15.8831	-18.2783	-21.0148	-32.07	-53.8362	-27.4092	-23.7275	-20.8425	-17.7669
-49	-16.4427	-19.0127	-22.1464	-32.6363	-41.8939	-28.2905	-23.6018	-20.9161	-17.6686
-48	-17.1805	-19.7212	-23.3102	-32.4143	-36.0282	-28.4799	-23.3815	-21.0254	-17.6615
-47	-18.0615	-20.3537	-24.3516	-30.9489	-31.8675	-27.3161	-23.0154	-21.0771	-17.6821
-46	-18.9723	-20.8543	-25.0818	-28.5681	-28.5607	-25.1571	-22.4517	-20.9781	-17.6711
-45	-19.6896	-21.1963	-25.218	-25.9387	-25.8378	-22.8631	-21.6905	-20.6514	-17.5851
-44	-19.8962	-21.2607	-24.5705	-23.4744	-23.578	-20.8709	-20.789	-20.0869	-17.4204
-43	-19.3595	-20.8792	-23.2742	-21.3107	-21.6953	-19.2838	-19.8263	-19.3509	-17.1945
-42	-18.2146	-19.9466	-21.6815	-19.4777	-20.1068	-18.0593	-18.8568	-18.5349	-16.9226
-41	-16.836	-18.6198	-20.0541	-17.9454	-18.736	-17.1023	-17.8881	-17.7038	-16.5977
-40	-15.5461	-17.1908	-18.5252	-16.6591	-17.5019	-16.2968	-16.9051	-16.8804	-16.1832
-39	-14.8227	-15.8851	-17.1572	-15.5704	-16.3473	-15.5198	-15.8817	-16.0411	-15.6249
-38	-13.6559	-14.8077	-15.9589	-14.611	-15.2413	-14.6752	-14.8203	-15.1637	-14.8865
-37	-12.9864	-13.9494	-14.9182	-13.7343	-14.168	-13.7167	-13.7468	-14.2204	-13.9852
-36	-12.3588	-13.241	-13.9986	-12.8856	-13.1367	-12.6632	-12.6932	-13.2155	-12.9773
-35	-11.6572	-12.5868	-13.1355	-12.0349	-12.1559	-11.5712	-11.6957	-12.1783	-11.9267
-34	-10.8394	-11.8863	-12.2714	-11.1671	-11.2328	-10.5145	-10.7748	-11.1465	-10.8887
-33	-9.9332	-11.0701	-11.3605	-10.2835	-10.3711	-9.55468	-9.9371	-10.1642	-9.89937
-32	-8.99013	-10.1356	-10.3913	-9.3952	-9.56633	-8.72194	-9.18498	-9.26623	-8.97998
-31	-8.06911	-9.12236	-9.37949	-8.52792	-8.80587	-8.02277	-8.50149	-8.46668	-8.13054
-30	-7.21252	-8.10338	-8.36553	-7.68524	-8.08422	-7.43682	-7.86417	-7.76556	-7.34052
-29	-6.44844	-7.13922	-7.40003	-6.89909	-7.38532	-6.92141	-7.24727	-7.13655	-6.59089
-28	-5.79545	-6.28147	-6.52387	-6.173	-6.70434	-6.42362	-6.62791	-6.54189	-5.85638
-27	-5.25083	-5.54966	-5.7608	-5.50952	-6.04197	-5.90041	-5.98868	-5.93972	-5.11716
-26	-4.78918	-4.94132	-5.11667	-4.90236	-5.40102	-5.32244	-5.32921	-5.29533	-4.36338
-25	-4.36186	-4.42668	-4.57428	-4.34487	-4.78914	-4.68912	-4.65784	-4.59407	-3.60155
-24	-3.915	-3.95842	-4.1014	-3.82295	-4.20933	-4.0206	-3.9921	-3.84926	-2.84432
-23	-3.41098	-3.48726	-3.65181	-3.32353	-3.66838	-3.35673	-3.35008	-3.09618	-2.11527
-22	-2.83903	-2.97176	-3.18231	-2.8421	-3.16763	-2.74075	-2.75334	-2.37804	-1.43996
-21	-2.21481	-2.39625	-2.66812	-2.3709	-2.70747	-2.20569	-2.21578	-1.73814	-0.837285
-20	-1.56673	-1.77145	-2.10036	-1.91079	-2.2832	-1.77039	-1.7522	-1.2078	-0.320696
-19	-0.927773	-1.12745	-1.50E+00	-1.46566	-1.88802	-1.4343	-1.36586	-0.802071	1.07E-01
-18	-3.29E-01	-5.05E-01	-8.91E-01	-1.04E+00	-1.51E+00	-1.18206	-1.05E+00	-5.16E-01	4.58E-01
-17	1.98E-01	5.69E-02	-3.23E-01	-6.35E-01	-1.15E+00	-9.80E-01	-8.03E-01	-3.26E-01	7.52E-01
-16	6.28E-01	5.24E-01	1.71E-01	2.59E-01	-7.85E-01	-7.89E-01	-5.92E-01	1.94E-01	1.01E+00
-15	0.942102	8.82E-01	5.66E-01	9.02E-02	-4.23E-01	-5.72E-01	-3.96E-01	-6.99E-02	1.26E+00
-14	1.14109	1.12983	8.58E-01	4.14E-01	-6.53E-02	-3.00E-01	-1.85E-01	9.78E-02	1.52E+00
-13	1.2419	1.28863	1.05876	7.17E-01	2.86E-01	3.46E-02	6.51E-02	3.48E-01	1.80616
-12	1.27636	1.39433	1.19608	1.00833	0.625042	4.20E-01	3.64E-01	6.92E-01	2.11559
-11	1.28762	1.49133	1.30934	1.29422	0.947523	8.29E-01	7.06E-01	1.11E+00	2.44411
-10	1.31555	1.62418	1.44137	1.58103	1.24969	1.23273	1.07E+00	1.54E+00	2.76887
-9	1.3935	1.82042	1.62501	1.86836	1.52989	1.60056	1.42341	1.94E+00	3.05602
-8	1.54063	2.0883	1.87586	2.15349	1.78623	1.91405	1.72953	2.25E+00	3.27759
-7	1.76092	2.41245	2.18688	2.42659	2.01739	2.16459	1.96024	2.45445	3.4074
-6	2.04062	2.76021	2.53138	2.67714	2.22074	2.35536	2.10011	2.54337	3.446
-5	2.34825	3.09389	2.86879	2.89399	2.39322	2.49975	2.14946	2.53505	3.41268
-4	2.6432	3.37523	3.16105	3.06624	2.5324	2.60976	2.12413	2.46283	3.33438
-3	2.88358	3.57519	3.37676	3.18954	2.63481	2.69775	2.05324	2.36732	3.25072
-2	3.03311	3.67945	3.49738	3.26067	2.69786	2.78108	1.96948	2.28661	3.18613
-1	3.09173	3.68769	3.51847	3.28172	2.71907	2.85131	1.9026	2.24638	3.14917
0	3.05327	3.61762	3.45028	3.25638	2.6959	2.89722	1.86912	2.24955	3.13742
1	2.95319	3.49692	3.31493	3.18906	2.62547	2.89939	1.86829	2.27761	3.13665
2	2.81678	3.3579	3.14195	3.08575	2.50821	2.83721	1.88197	2.29274	3.12785
3	2.67619	3.2304	2.96306	2.95096	2.34465	2.68522	1.87866	2.2496	3.07773
4	2.55031	3.12833	2.80263	2.78671	2.13924	2.43996	1.82125	2.10821	2.9649
5	2.45739	3.04758	2.66671	2.59399	1.89751	2.09584	1.67622	1.84272	2.76261
6	2.38792	2.96623	2.54328	2.36738	1.62365	1.66732	1.42186	1.45355	2.46239
7	2.31625	2.85435	2.40363	2.10011	1.32207	1.18E+00	1.06E+00	9.69E-01	2.08873
8	2.22202	2.68015	2.214	1.78517	0.997548	6.74E-01	6.13E-01	4.49E-01	1.68516
9	2.06545	2.41986	1.9491	1.42317	0.662365	1.96E-01	1.43E-01	-2.40E-02	1.3131
10	1.81956	2.06391	1.60115	1.0283	0.337578	-2.02E-01	-2.74E-01	-3.69E-01	1.02336
11	1.46732	1.61878	1.1865	0.628652	0.0539186	-4.73E-01	-5.68E-01	-5.34E-01	0.836134
12	1.00511	1.11322	0.744047	0.265054	-0.161263	-5.99E-01	-7.03E-01	-5.28E-01	0.736758
13	0.451922	0.593412	0.330041	-0.0234208	-0.297733	-6.04E-01	-7.02E-01	-4.05E-01	6.87E-01
14	-0.15125	0.117643	-0.0036223	-0.219448	-0.372892	-5.49E-01	-6.26E-01	-2.60E-01	6.38E-01
15	-0.742533	-0.257751	-0.224501	-3.28E-01	-4.22E-01	-5.03E-01	-5.99E-01	-1.84E-01	5.35E-01
16	-1.25E+00	-0.502257	-0.333906	-3.84E-01	-4.86E-01	-5.24E-01	-5.79E-01	-0.259023	3.19E-01
17	-1.62E+00	-6.19E-01	-3.64E-01	-4.30E-01	-6.01E-01	-0.650867	-0.753268	-0.538753	-0.0641465
18	-1.83E+00	-6.52E-01	-3.73E-01	-5.14E-01	-7.98E-01	-0.907962	-1.12709	-1.05304	-0.655761
19	-1.90E+00	-6.70E-01	-4.28E-01	-0.683038	-1.10499	-1.30792	-1.72604	-1.80554	-1.47499
20	-1.92E+00	-7.47E-01	-0.594306	-0.981227	-1.55486	-1.86616	-2.55106	-2.77549	-2.50567
21	-1.96177	-0.948164	-0.927169	-1.44709	-2.17585	-2.5915	-3.57497	-3.91195	-3.68322
22	-2.11393	-1.31777	-1.46519	-2.10876	-2.98995	-3.48553	-4.73278	-5.12734	-4.88093
23	-2.42791	-1.88048	-2.22199	-2.97797	-3.99912	-4.52857	-5.91105	-6.29558	-5.93148
24	-2.929	-2.63536	-3.18643	-4.03573	-5.16742	-5.6577	-6.95603	-7.26466	-6.70117
25	-3.62395	-3.55809	-4.30979	-5.23156	-6.41168	-6.77752	-7.73728	-7.93399	-7.17967
26	-4.49443	-4.60009	-5.50365	-6.46873	-7.6047	-7.7834	-8.24215	-8.34412	-7.49084
27	-5.50672	-5.68751	-6.64228	-7.61313	-8.61446	-8.6137	-8.59595	-8.65285	-7.80632
28	-6.80167	-6.72336	-7.5897	-8.54525	-9.38413	-9.29482	-8.97759	-9.06022	-8.2814
29	-7.68811	-7.60444	-8.26431	-9.21505	-9.94348	-9.89241	-9.5403	-9.70211	-9.03205
30	-8.64816	-8.25814	-8.68379	-9.67217	-10.3879	-10.4794	-10.3756	-10.6509	-10.1416
31	-9.37849	-8.69514	-8.96986	-10.0393	-10.8267	-11.1264	-11.5221	-11.9176	-11.6619
32	-9.85194	-9.01424	-9.2794	-10.4537	-11.3825	-11.9108	-12.9956	-13.4792	-13.6318
33	-10.1491	-9.35151	-9.76311	-11.0524	-12.179	-12.9512	-14.7914	-15.3446	-16.0691
34	-10.416	-9.83822	-10.5307	-11.9423	-13.3395	-14.3714	-16.9139	-17.58	-18.9788
35	-10.7876	-10.5658	-11.659	-13.213					

45	-31.4897	-25.9095	-24.7205	-27.0415	-29.0792	-28.0376	-24.0931	-21.7359	-18.4159
46	-36.5082	-27.0822	-24.4406	-26.0966	-27.3337	-26.3754	-23.3459	-21.2578	-18.2298
47	-43.1394	-28.9156	-23.8472	-24.3605	-24.82	-24.199	-22.8909	-21.3595	-18.8385
48	-40.0418	-30.858	-23.083	-22.5615	-22.529	-22.0753	-22.297	-21.5565	-20.0729
49	-36.7391	-31.6133	-22.453	-21.1525	-20.8025	-20.3674	-21.4295	-21.3931	-21.5821
50	-36.0818	-30.9864	-22.1884	-20.3008	-19.7214	-19.2226	-20.49	-20.8632	-22.7408
51	-36.5565	-30.0884	-22.3675	-20.0255	-19.2809	-18.6466	-19.6976	-20.2843	-22.9781
52	-35.5885	-29.3214	-22.9308	-20.2987	-19.4387	-18.5986	-19.1294	-19.8429	-22.3739
53	-33.105	-28.5163	-23.7004	-21.0269	-20.1165	-19.0019	-18.8062	-19.5395	-21.4135
54	-31.2001	-27.5691	-24.3468	-22.0225	-21.1752	-19.781	-18.7799	-19.3576	-20.4879
55	-30.387	-26.5849	-24.5057	-22.9863	-22.4149	-20.8748	-19.1521	-19.4009	-19.9041
56	-30.2306	-25.6706	-24.0206	-23.5683	-23.5558	-22.2331	-20.0779	-19.8858	-19.8766
57	-29.7076	-24.8431	-23.073	-23.5092	-24.2659	-23.7129	-21.7237	-21.0776	-20.592
58	-28.3035	-24.1233	-22.0187	-22.8877	-24.2704	-24.8248	-24.2423	-23.2971	-22.2404
59	-26.8349	-23.6148	-21.1732	-22.0335	-23.6083	-24.8383	-27.5902	-27.0544	-25.111
60	-26.1285	-23.505	-20.7613	-21.3145	-22.6959	-23.8366	-30.0915	-33.1397	-29.768
61	-26.586	-23.9993	-20.9174	-20.9979	-21.9617	-22.6568	-28.7964	-35.5069	-36.3641
62	-28.598	-25.3129	-21.7365	-21.2498	-21.6444	-21.7959	-26.0874	-30.8432	-35.2671
63	-33.1732	-27.7318	-23.3008	-22.1389	-21.7879	-21.3591	-23.789	-27.804	-30.9381
64	-46.5043	-31.7609	-25.6654	-23.6546	-22.2992	-21.2899	-22.08	-25.5744	-27.9722
65	-39.3893	-38.53	-28.809	-25.5413	-22.9702	-21.5043	-20.9823	-23.5806	-25.6435
66	-33.8607	-45.3987	-32.5789	-27.1853	-23.6185	-21.9283	-20.5212	-21.9659	-23.8813
67	-32.9962	-41.0973	-37.1706	-28.1748	-24.2723	-22.5595	-20.7015	-20.95	-22.8207
68	-34.4914	-38.4912	-45.2622	-29.1496	-25.1794	-23.3623	-21.4046	-20.6405	-22.531
69	-34.7382	-35.2169	-41.2859	-31.1629	-26.5695	-24.1279	-22.2656	-20.9763	-22.9785
70	-31.0268	-31.551	-33.5131	-35.0591	-28.3166	-24.3469	-22.6625	-21.6727	-23.9186
71	-27.8243	-28.8675	-29.4768	-37.8917	-29.4961	-24.1181	-22.3365	-22.1155	-24.7119
72	-26.0369	-27.3581	-27.2707	-33.8295	-29.2928	-23.5515	-21.7585	-21.8012	-24.511
73	-25.2658	-26.7643	-26.2374	-30.8331	-28.7162	-23.2689	-21.4446	-21.0064	-23.4423
74	-24.8907	-26.4973	-25.9367	-29.7322	-28.943	-23.6113	-21.5827	-20.3204	-22.2397
75	-24.2008	-25.6492	-25.796	-29.5833	-30.3735	-24.7915	-22.132	-20.0281	-21.2248
76	-23.0092	-23.962	-25.1739	-28.7405	-32.2581	-27.0344	-22.9404	-20.1264	-20.3941
77	-21.7966	-22.1369	-23.956	-26.3531	-31.2104	-30.6472	-23.8319	-20.4555	-19.6572
78	-21.0171	-20.744	-22.5875	-23.7202	-27.9353	-35.1842	-24.7231	-20.7897	-18.9861
79	-20.8517	-19.9398	-21.4431	-21.6944	-25.3095	-35.0511	-25.6573	-20.963	-18.4022
80	-21.3067	-19.6859	-20.6347	-20.3796	-23.635	-31.8432	-26.705	-20.9743	-17.9419
81	-22.277	-19.8564	-20.1367	-19.6653	-22.6584	-29.7479	-27.8347	-20.9529	-17.6056
82	-23.5579	-20.2626	-19.8837	-19.3942	-22.1096	-28.602	-28.9509	-21.0426	-17.3902
83	-24.884	-20.7473	-19.827	-19.3923	-21.7662	-27.9543	-29.9077	-21.332	-17.276
84	-26.0784	-21.2504	-19.9683	-19.5039	-21.5006	-27.4995	-30.6045	-21.8746	-17.2418
85	-27.173	-21.9177	-20.3088	-19.6288	-21.2961	-27.0672	-30.9724	-22.6377	-17.2599
86	-28.1322	-22.9585	-20.8649	-19.7463	-21.189	-26.5867	-31.0665	-23.4023	-17.2747
87	-28.4904	-24.6409	-21.6223	-19.8881	-21.1999	-26.03	-31.0987	-23.7939	-17.2362
88	-27.8858	-27.2351	-22.5135	-20.0612	-21.2922	-25.387	-31.2933	-23.5367	-17.1174
89	-26.7663	-31.2069	-23.4304	-20.2429	-21.3791	-24.6716	-31.7236	-22.8083	-16.9373
90	-25.7544	-37.5525	-24.2235	-20.3702	-21.3366	-23.9257	-32.2044	-22.006	-16.7489
91	-25.092	-43.0261	-24.7729	-20.3682	-21.066	-23.211	-32.5199	-21.3485	-16.5909
92	-24.7483	-37.8354	-25.0697	-20.1849	-20.5452	-22.5857	-32.6629	-20.9074	-16.4638
93	-24.5868	-34.7478	-25.1979	-19.8367	-19.8739	-22.1105	-32.8202	-20.6395	-16.354
94	-24.4546	-33.2032	-25.2844	-19.426	-19.2197	-21.8343	-33.0408	-20.4803	-16.2393
95	-24.251	-32.214	-25.4292	-19.0887	-18.7451	-21.7934	-33.0611	-20.3724	-16.1107
96	-23.9599	-31.2355	-25.6566	-18.9491	-18.5604	-22.0083	-32.6184	-20.2641	-15.9909
97	-23.6331	-30.0769	-25.9097	-19.0808	-18.7177	-22.475	-31.8809	-20.1272	-15.9235
98	-23.3518	-28.8576	-26.1327	-19.4941	-19.2098	-23.162	-31.1832	-19.955	-15.9509
99	-23.1684	-27.8249	-26.2906	-20.1222	-19.9677	-24.0081	-30.6107	-19.7965	-16.1227
100	-23.0609	-27.1721	-26.4192	-20.8232	-20.8426	-24.9256	-29.9416	-19.709	-16.4628
101	-22.9181	-26.9924	-26.596	-21.3743	-21.6246	-25.8152	-28.9736	-19.7381	-16.9899
102	-22.6179	-27.2479	-26.8543	-21.5906	-22.1108	-26.5987	-27.7097	-19.8869	-17.6907
103	-22.1461	-27.7272	-27.1791	-21.417	-22.2185	-27.2531	-26.3669	-20.0898	-18.5127
104	-21.632	-28.0255	-27.4759	-20.9491	-22.0123	-27.8309	-25.108	-20.2478	-19.3794
105	-21.2461	-27.805	-27.6434	-20.3572	-21.6345	-28.438	-23.9511	-20.2565	-20.1862
106	-21.0994	-27.177	-27.5589	-19.7839	-21.2407	-29.1938	-22.873	-20.0482	-20.855
107	-21.2142	-26.5032	-27.1882	-19.3541	-20.9585	-30.1793	-21.8938	-19.6475	-21.409
108	-21.5368	-25.9962	-26.6157	-19.1296	-20.8733	-31.3797	-21.0463	-19.1513	-21.9908
109	-21.9602	-25.6784	-25.988	-19.1269	-21.0162	-32.6068	-20.3715	-18.7008	-22.824
110	-22.3584	-25.489	-25.4592	-19.318	-21.3735	-33.4376	-19.8947	-18.4235	-24.1677
111	-22.6431	-25.3854	-25.1319	-19.6303	-21.9001	-33.4781	-19.6174	-18.4139	-26.3497
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113	-22.9475	-25.3841	-25.1651	-20.3039	-23.2643	-31.7615	-19.5868	-19.4336	-36.9732
114	-23.2046	-25.3711	-25.3816	-20.5655	-24.0283	-30.6272	-19.7861	-20.4814	-47.8183
115	-23.7498	-25.2199	-25.5204	-20.7822	-24.7885	-29.4783	-20.0816	-21.834	-34.1212
116	-24.7407	-24.9254	-25.3858	-20.9843	-25.4654	-28.3189	-20.4333	-23.3924	-29.2986
117	-26.2976	-24.6068	-24.8755	-21.1955	-25.9914	-27.1188	-20.7796	-24.9916	-26.3823
118	-28.409	-24.3888	-24.0595	-21.4495	-26.3718	-25.8646	-21.043	-26.4088	-24.2578
119	-30.5888	-24.2956	-23.1107	-21.7323	-26.6909	-24.5645	-21.1752	-27.411	-22.5891
120	-31.5428	-24.2399	-22.1855	-21.996	-27.031	-23.2701	-21.1527	-27.903	-21.2406
121	-30.8405	-24.1186	-21.3849	-22.1726	-27.3966	-22.0502	-20.9956	-28.0229	-20.1582
122	-29.6109	-23.9427	-20.7519	-22.2085	-27.6955	-20.984	-20.7979	-28.0116	-19.2785
123	-28.3999	-23.868	-20.2776	-22.1265	-27.7557	-20.1126	-20.6766	-27.968	-18.5744
124	-27.168	-24.0641	-19.9377	-22.0115	-27.4039	-19.4834	-20.7427	-27.7594	-18.0545
125	-25.8966	-24.6087	-19.689	-21.952	-26.6174	-19.1095	-21.0995	-27.1954	-17.7576
126	-24.7243	-25.4561	-19.5253	-21.9912	-25.5972	-18.9946	-21.8356	-26.2985	-17.7295
127	-23.8067	-26.3457	-19.4347	-22.1353	-24.6359	-19.124	-23.0069	-25.3301	-17.9923
128	-23.2281	-27.0005	-19.4338	-22.3693	-23.9643	-19.4493	-24.6315	-24.5047	-18.5315
129	-23.0158	-27.328	-19.5553	-22.6912	-23.7159	-19.9011	-26.6304	-23.8481	-19.2775
130	-23.1729	-27.5535	-19.8433	-23.0935	-23.9251	-20.3721	-28.6864	-23.2124	-20.118
131	-23.6954	-27.8995	-20.3084	-23.5362	-24.5313	-20.7362	-30.037	-22.4046	-20.93
132	-24.562	-28.3984	-20.9371	-23.9268	-25.3305	-20.8952	-29.8221	-21.3534	-21.6019
133	-25.6962	-28.9003	-21.6423	-24.1629	-25.9261	-20.8042	-28.1834	-20.2156	-22.0524
134	-26.8841	-29.1494	-22.2414	-24.2207	-25.8909	-20.506	-26.0487	-19.2075	-22.2696
135	-27.7158	-28.8349	-22.4853	-24.1677	-25.1332	-20.1066	-24.1005	-18.4742	-22.3717
136	-27.7157	-27.7592	-22.2409	-24.0669	-23.9495	-19.7309	-22.6409	-18.0777	-22.5947
137	-26.7505	-26.1581	-21.6169	-23.9039	-22.6938	-19.4869	-21.7696	-18.0537	-23.187
138	-25.1588	-24.5545	-20.8767	-23.6276	-21.6353	-19.4471	-21.4876	-18.3881	-24.3389
139	-23.4435	-23.3461	-20.2724	-23.2229	-20.9587	-19.6537	-21.7655	-19.0596	-26.1556
140	-21.9843	-22.7247	-19.9968	-22.791	-20.7838	-20.111	-22.4883	-19.9862	-28.5255
141	-21.0157	-22.7301	-20.199	-22.4042	-21.1673	-20.7755	-23.4127	-20.9769	-30.8804
142	-20.6351	-23.1949	-21.03	-22.0687	-22.0225	-21.5332	-24.0583	-21.6781	-31.8862
143	-20.9322	-23.6488	-22.6655	-21.72	-22.9592	-22.18	-23.8521	-21.7216	-30.5185
144	-21.9501	-23.2855	-25.2878	-21.3112	-23.1899	-22.5128	-22.7428	-21.1746	-27.6936
145	-23.7218	-21.9494	-28.4599	-20.8902	-22.4183	-22.5161	-21.2574	-20.4856	-24.8407
146	-26.2044	-20.3172	-28.89	-20.5849	-21.3287	-22.4066	-19.9222	-20.0428	-22.6364
147	-29.1282	-18.9039	-26.2464	-20.5162	-20.5536	-22.4672	-19.0363	-20.0646	-21.2454
148	-31.9713	-17.8803	-24.0016	-20.7576	-20.3109	-22.9051	-18.7494	-20.6655	-20.7099
149	-34.6823	-17.2728	-22.736						

158	-18.3023	-18.8422	-19.1295	-18.5555	-16.7487	-18.9597	-16.7553	-17.6801	-15.9719
159	-18.6919	-17.8062	-18.7479	-18.1473	-16.8087	-19.2783	-17.1614	-18.4523	-16.4831
160	-20.0577	-17.829	-19.3147	-18.6817	-17.3732	-20.8962	-18.4015	-20.3139	-17.9225
161	-22.7108	-18.7054	-20.7357	-20.274	-18.0208	-24.0299	-20.0436	-22.4417	-19.9339
162	-26.6793	-20.2393	-22.1403	-23.252	-18.1578	-25.6877	-20.5851	-21.5869	-20.5397
163	-27.3663	-22.0584	-21.4099	-27.8299	-17.7021	-21.6214	-19.2827	-18.5605	-18.5837
164	-23.4493	-23.5761	-19.0788	-27.8627	-17.2423	-17.873	-17.7835	-16.1836	-16.4262
165	-20.4697	-24.381	-17.0827	-22.8261	-17.3278	-15.5328	-17.0921	-14.8526	-15.1212
166	-18.6522	-24.4856	-15.9112	-19.2308	-18.2137	-14.2401	-17.286	-14.4118	-14.6564
167	-17.57	-23.8453	-15.505	-16.8956	-19.8185	-13.7274	-17.9408	-14.6666	-14.7236
168	-16.9429	-22.578	-15.718	-15.4368	-21.1886	-13.7935	-18.0249	-15.3478	-14.815
169	-16.6833	-21.2707	-16.3545	-14.6924	-20.6758	-14.2716	-16.982	-16.0897	-14.4895
170	-16.8668	-20.4797	-17.2038	-14.6108	-19.0381	-15.0145	-15.6938	-16.6031	-13.8605
171	-17.6759	-20.4527	-18.1126	-15.1893	-17.8474	-15.9248	-14.9628	-16.967	-13.403
172	-19.3606	-21.2323	-19.0644	-16.4052	-17.5132	-16.9462	-14.9787	-17.4807	-13.4404
173	-22.1723	-22.4829	-20.0433	-18.0502	-17.8804	-17.9225	-15.4968	-18.1956	-13.9942
174	-25.5516	-23.0773	-20.6748	-19.4316	-18.3887	-18.4178	-15.7968	-18.539	-14.7293
175	-25.5913	-22.23	-20.3917	-19.6953	-18.1891	-18.0517	-15.214	-17.7898	-14.9563
176	-23.1249	-21.0366	-19.3999	-19.221	-17.2053	-17.1584	-14.154	-16.3552	-14.3771
177	-21.7214	-20.5859	-18.5077	-19.0861	-16.2302	-16.4337	-13.4166	-15.1291	-13.5815
178	-21.8067	-21.3282	-18.2579	-19.9304	-15.8561	-16.2961	-13.4237	-14.5409	-13.205
179	-23.2555	-23.7455	-18.8412	-22.2391	-16.3214	-16.9404	-14.3604	-14.7047	-13.5484
Max Gain	3.092	3.688	3.518	3.282	2.719	2.899	2.149	2.543	3.446
30Dragee Max Gai	-8.648	-8.258	-8.684	-9.395	-9.566	-7.437	-8.242	-7.934	-7.180

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	-23.551	-31.7815	-23.6931	-31.7564	-18.0291	-21.1409	-18.4156	-16.2929	-22.4335
-179	-20.7477	-23.3039	-20.9568	-23.9067	-17.7162	-18.1682	-20.2132	-15.5919	-21.1156
-178	-18.6653	-18.9921	-19.2282	-19.988	-16.9693	-16.1697	-21.3629	-14.8804	-19.4623
-177	-17.5952	-16.6623	-18.6418	-17.9767	-16.1026	-15.1265	-21.0584	-14.3613	-18.1999
-176	-17.4768	-15.6662	-19.3062	-17.1851	-15.6376	-15.0186	-20.4597	-14.3149	-17.7019
-175	-18.2258	-15.8267	-21.6128	-17.3272	-15.9201	-15.9376	-20.6439	-14.9903	-18.173
-174	-19.6539	-17.2105	-27.0847	-18.2151	-17.232	-18.139	-21.9929	-16.6378	-19.9009
-173	-21.2717	-20.2599	-49.6516	-19.5836	-20.0063	-22.291	-24.5143	-19.6721	-23.5704
-172	-22.2489	-26.6935	-26.3157	-20.9091	-25.353	-29.2951	-26.8282	-24.8597	-31.8138
-171	-22.3674	-38.8538	-21.2676	-21.5414	-32.6115	-26.9401	-25.8951	-29.1636	-32.8793
-170	-22.3666	-25.1498	-19.1368	-21.4444	-25.7237	-22.2336	-23.8214	-24.4976	-25.0812
-169	-22.7904	-20.9506	-18.6207	-21.1791	-21.8807	-20.2875	-22.7465	-21.4107	-22.191
-168	-23.6118	-19.3001	-19.4166	-21.1497	-20.6016	-20.0757	-22.8889	-20.2585	-21.4303
-167	-24.3326	-19.0665	-21.5889	-21.4608	-21.1031	-21.1807	-24.2504	-20.382	-22.195
-166	-24.3456	-19.8771	-25.5427	-22.0625	-23.4485	-23.263	-27.0373	-21.3868	-24.4808
-165	-23.6067	-21.5171	-30.5715	-22.8241	-28.9044	-25.1765	-31.9659	-22.7506	-28.9021
-164	-22.4731	-23.6371	-28.0783	-23.4817	-41.3323	-25.0721	-37.3191	-23.6553	-38.8194
-163	-21.1691	-25.385	-23.992	-23.6324	-28.5753	-23.8285	-31.6035	-23.6621	-38.0144
-162	-19.8759	-25.8916	-21.5665	-23.0799	-23.753	-23.0163	-27.0553	-23.3322	-30.1389
-161	-18.7983	-25.6714	-20.1906	-22.144	-21.6101	-22.903	-24.3585	-23.3167	-26.5954
-160	-18.1138	-25.6872	-19.494	-21.3081	-20.8614	-23.2222	-22.7732	-23.8961	-24.4569
-159	-17.9552	-26.3765	-19.3255	-20.8849	-21.0883	-23.5541	-22.003	-25.1584	-23.135
-158	-18.3838	-27.8752	-19.6782	-20.9875	-22.1264	-23.6416	-21.9145	-27.1618	-22.5272
-157	-19.4495	-30.1348	-20.5827	-21.6539	-23.9211	-23.5981	-22.4368	-29.9656	-22.6618
-156	-21.2041	-32.3214	-22.091	-22.8363	-26.4702	-23.6932	-23.5356	-33.4363	-23.5915
-155	-23.7326	-32.2602	-24.1254	-24.3684	-24.0669	-25.236	-36.0068	-25.3802	
-154	-27.1795	-30.3531	-26.109	-25.8149	-32.3681	-24.6366	-27.6663	-35.0603	-28.0611
-153	-31.3702	-28.5944	-26.7095	-26.4761	-32.3403	-25.1072	-30.9308	-32.6366	-31.4794
-152	-33.0733	-27.4563	-25.7018	-26.0447	-30.4551	-25.0928	-33.2687	-30.4846	-34.8015
-151	-30.4343	-26.8107	-24.375	-24.9894	-28.6342	-24.4488	-30.8574	-28.7916	-36.1867
-150	-27.918	-26.47	-23.4255	-23.8551	-27.2844	-23.4454	-27.5103	-27.562	-34.8817
-149	-26.4526	-26.3337	-22.973	-22.9235	-26.4021	-22.4752	-25.2528	-26.8389	-32.3199
-148	-25.8443	-26.4445	-22.9819	-22.3027	-25.9822	-21.8105	-24.0293	-26.6816	-29.9644
-147	-25.7671	-26.9466	-23.3508	-22.0155	-26.0442	-21.5954	-23.6543	-27.1443	-28.4095
-146	-25.7505	-27.9928	-23.8536	-22.017	-26.6039	-21.8923	-23.9838	-28.2803	-27.7841
-145	-25.3283	-29.6282	-24.1077	-22.2011	-27.6564	-22.7023	-24.8618	-30.1366	-28.045
-144	-24.5288	-31.4743	-23.8533	-22.4207	-29.1142	-23.9291	-26.0277	-32.7139	-29.0304
-143	-23.7461	-32.352	-23.2641	-22.5609	-30.7016	-25.3054	-27.0054	-35.7406	-30.2814
-142	-23.3097	-31.6744	-22.7693	-22.6097	-31.8745	-26.3714	-27.2129	-37.94	-30.8973
-141	-23.3292	-30.6383	-22.6779	-22.6564	-32.0949	-26.8093	-26.4975	-37.7387	-30.3136
-140	-23.765	-30.1129	-23.1358	-22.7977	-31.4046	-26.7893	-25.2929	-36.3035	-28.9696
-139	-24.4748	-30.2351	-24.1853	-23.08	-30.2454	-26.6751	-24.0721	-35.029	-27.3957
-138	-25.2478	-30.8498	-25.7936	-23.4744	-29.0065	-26.6594	-23.0959	-34.1979	-25.8644
-137	-25.8503	-31.6499	-27.7777	-23.8945	-27.919	-26.8061	-22.4682	-33.597	-24.573
-136	-26.0958	-32.2923	-29.6194	-24.231	-27.1098	-27.1584	-22.2057	-32.7591	-23.6894
-135	-25.9278	-32.526	-30.4473	-24.3929	-26.6132	-27.7699	-22.2688	-31.3835	-23.3098
-134	-25.4693	-32.2324	-29.9948	-24.3487	-26.3838	-28.6503	-22.5671	-29.7444	-23.4587
-133	-24.9567	-31.3747	-28.9645	-24.1411	-26.3076	-29.7128	-22.9778	-28.3107	-24.0904
-132	-24.606	-30.1267	-28.0169	-23.8631	-26.2067	-30.8069	-23.3662	-27.3505	-25.0749
-131	-24.5506	-28.8371	-27.4602	-23.6226	-25.8891	-31.8676	-23.6356	-26.9336	-26.1866
-130	-24.7876	-27.7824	-27.4249	-23.5064	-25.2614	-33.0048	-23.7697	-27.015	-27.1359
-129	-25.2307	-27.083	-27.9584	-23.5703	-24.3904	-34.0881	-23.839	-27.4542	-27.705
-128	-25.6899	-26.7409	-29.042	-23.8518	-23.466	-34.0894	-23.9581	-28.0252	-27.8423
-127	-25.9787	-26.673	-30.5626	-24.3485	-22.6785	-32.3115	-24.2443	-28.4746	-27.668
-126	-25.9588	-26.7561	-32.2132	-25.0494	-22.1663	-30.0141	-24.7803	-28.6814	-27.4562
-125	-25.6375	-26.8497	-33.4334	-25.9259	-22.0081	-28.1779	-25.5935	-28.698	-27.5507
-124	-25.1216	-26.8437	-33.6059	-26.9255	-22.2287	-26.9777	-26.6381	-28.5779	-28.3034
-123	-24.586	-26.7023	-32.6368	-27.969	-22.8089	-26.318	-27.7686	-28.2536	-30.0883
-122	-24.2315	-26.0785	-31.0331	-28.9679	-23.6629	-26.0136	-28.7547	-27.6066	-33.4579
-121	-24.2239	-26.27	-29.3979	-29.8792	-24.6213	-25.8501	-29.3651	-26.6589	-38.848
-120	-24.6733	-26.1727	-28.0732	-30.7368	-25.4264	-25.6219	-29.5086	-25.6153	-38.8078
-119	-25.624	-26.2172	-27.1739	-31.6186	-25.8407	-25.2142	-29.2876	-24.7073	-34.4361
-118	-27.004	-26.3407	-26.69	-32.5607	-25.8148	-24.6231	-28.9025	-24.1074	-32.2121
-117	-28.5219	-26.3742	-26.5294	-33.4835	-25.5125	-23.9297	-28.5349	-23.9191	-31.5734
-116	-29.6338	-26.1282	-26.5524	-34.1751	-25.171	-23.2466	-28.2559	-24.2123	-31.8998
-115	-29.9902	-25.564	-26.5736	-34.3932	-24.9868	-22.6822	-27.995	-25.0359	-32.4971
-114	-29.8539	-24.8305	-26.4229	-33.9964	-25.096	-22.3161	-27.6173	-26.4109	-32.6285
-113	-29.5939	-24.1378	-26.0105	-33.0176	-25.5699	-22.1798	-27.052	-28.2794	-32.2
-112	-29.2607	-23.6261	-25.374	-31.6555	-26.3938	-22.2443	-26.3888	-30.3398	-31.6483
-111	-28.7581	-23.36	-24.6717	-30.1727	-27.4294	-22.4206	-25.779	-31.8209	-31.1801
-110	-28.0846	-23.3559	-24.0837	-28.8073	-28.3933	-22.581	-25.3054	-31.959	-30.7018
-109	-27.3514	-23.6012	-23.7543	-27.6968	-29.0017	-22.6145	-24.9454	-31.0535	-30.1846
-108	-26.6306	-24.045	-23.7671	-26.8926	-29.2736	-22.4945	-24.6188	-29.819	-29.8527
-107	-25.9059	-24.571	-24.1435	-26.3855	-29.4974	-22.2751	-24.2679	-28.6505	-30.0145
-106	-25.1333	-24.9782	-24.8241	-26.1227	-29.9112	-22.0451	-23.9074	-27.7434	-30.9019
-105	-24.3431	-25.0594	-25.6277	-26.0177	-30.5862	-25.8709	-23.6002	-27.2068	-32.5613
-104	-23.6243	-24.784	-26.2486	-25.9726	-31.4565	-21.7905	-23.3868	-27.0628	-34.506
-103	-23.1141	-24.3415	-26.4048	-25.9047	-32.3953	-21.8118	-23.2629	-27.218	-35.2827
-102	-22.9081	-23.9758	-26.1076	-25.7921	-33.1868	-21.8964	-23.1749	-27.4448	-34.5546
-101	-23.0576	-23.8402	-25.6252	-25.6799	-33.4026	-21.9703	-23.0483	-27.4482	-33.9265
-100	-23.5684	-23.9832	-25.214	-25.646	-32.6849	-21.9373	-22.8074	-27.0778	-34.3347
-99	-24.3911	-24.3529	-25.0107	-25.7629	-31.3541	-21.7573	-22.4019	-26.4317	-36.1877
-98	-25.4579	-24.7949	-25.0496	-26.0623	-30.036	-21.4812	-21.841	-25.6955	-40.1717
-97	-26.6823	-25.06	-25.29	-26.5283	-29.1121	-21.2186	-21.2096	-24.9935	-49.3529
-96	-28.0225	-24.9227	-25.5923	-27.086	-28.6746	-21.0666	-20.652	-24.3973	-52.3328
-95	-29.4394	-24.3979	-25.785	-27.6191	-28.6581	-21.0634	-20.2777	-23.966	-43.5497
-94	-30.8661	-23.7195	-25.7662	-27.9964	-28.8697	-21.1843	-20.1843	-23.7713	-40.8311
-93	-32.0733	-23.1308	-25.6178	-28.1217	-29.0224	-21.3418	-20.3828	-23.8511	-39.9001
-92	-32.8715	-22.8022	-25.5604	-28.0197	-28.8538	-21.416	-20.8525	-24.1892	-39.5965
-91	-33.4123	-22.7643	-25.8325	-27.7686	-28.303	-21.3037	-21.482	-24.696	-39.2274
-90	-33.7085	-22.9608	-26.6131	-27.4945	-27.5229	-20.9855	-22.1085	-25.1862	-38.2776
-89	-33.1577	-23.2659	-28.018	-27.3175	-26.7228	-20.5379	-22.5467	-25.428	-36.4625
-88	-31.1678	-23.5198	-30.0087	-27.2636	-26.0721	-20.0949	-22.6644	-25.2522	-34.0526
-87	-28.5817	-23.6746	-31.9703	-27.3132	-25.6823	-19.7792	-22.4623	-24.6535	-31.6224
-86	-26.2751	-23.8822	-32.4339	-27.3681	-25.5886	-19.6758	-22.0705	-23.7855	-29.5379
-85	-24.4351	-24.3941	-31.4062	-27.2937	-25.706	-19.8148	-21.6565	-22.8591	-27.9172
-84	-22.943	-25.4363	-30.4317	-26.963	-25.7781	-20.1659	-21.3479	-22.0473	-26.7501
-83	-21.6197	-27.1375	-30.2274	-26.3082	-25.4676	-20.6216	-21.1995	-21.47	-25.9877
-82	-20.3647	-29.2995	-30.9202	-25.3619	-24.6994	-21.0201	-21.1903	-21.1612	-25.5497
-81	-19.2401	-30.9359	-32.4101	-24.2738	-23.7755	-21.2015	-21.2441	-21.1013	-25.3292
-80	-18.3813	-31.1125	-34.3944	-23.2291	-23.0509	-21.1704	-21.2726	-21.213	-25.1262
-79	-17.9216	-30.9227	-36.3365	-22.411	-22.7403	-21.0588	-21.2486	-21.3887	-24.7297
-78	-17.9556	-31.8239	-38.2639	-21.9395	-22.9169	-21.0655	-21.2101	-21.4778	-23.963

-68	-19.2135	-25.8007	-24.2565	-35.6669	-29.6868	-23.5044	-19.9737	-17.7781	-19.2253
-67	-18.0526	-23.7382	-23.6161	-38.1559	-32.1676	-23.0028	-19.8612	-17.7683	-18.928
-66	-17.3419	-22.3423	-22.9224	-34.6593	-35.7187	-22.8808	-19.9868	-17.8612	-18.6467
-65	-17.0998	-21.6252	-22.435	-31.9784	-41.6076	-23.2752	-20.4315	-18.0966	-18.5
-64	-17.2755	-21.4693	-22.3355	-30.9941	-63.1655	-24.2979	-21.2551	-18.5008	-18.5508
-63	-17.7509	-21.6903	-22.5605	-31.3322	-42.007	-26.0581	-22.4447	-19.0699	-18.7958
-62	-18.3362	-22.0508	-22.9091	-32.56	-35.5998	-28.6644	-23.9176	-19.7484	-19.1671
-61	-18.7863	-22.2777	-23.0623	-33.4986	-31.9033	-32.1088	-25.4201	-20.4241	-19.5247
-60	-18.8861	-22.1139	-22.7993	-32.3222	-29.4118	-35.7224	-26.5393	-20.9426	-19.7106
-59	-18.5541	-21.4886	-22.0319	-29.5984	-27.6145	-37.7624	-26.987	-21.1661	-19.5899
-58	-17.8856	-20.4968	-20.8633	-26.7496	-26.1797	-38.1501	-26.9395	-21.0737	-19.1669
-57	-17.0638	-19.366	-19.4947	-24.2168	-24.8827	-37.677	-26.8046	-20.7879	-18.5527
-56	-16.2868	-18.3146	-18.1395	-22.0615	-23.5928	-35.7014	-26.8907	-20.4974	-17.9081
-55	-15.6952	-17.4743	-16.9838	-20.3069	-22.3318	-32.8837	-27.374	-20.3656	-17.3852
-54	-15.3786	-16.9067	-16.1325	-18.9763	-21.2099	-30.327	-28.3932	-20.4983	-17.0987
-53	-15.3477	-16.5835	-15.6212	-18.04	-20.3057	-28.2667	-30.1391	-20.9611	-17.1196
-52	-15.5529	-16.4453	-15.4417	-17.4609	-19.6745	-26.5759	-33.0025	-21.7777	-17.4763
-51	-15.8983	-16.3959	-15.5379	-17.1692	-19.3128	-25.1518	-38.0283	-22.9414	-18.1684
-50	-16.2534	-16.345	-15.8242	-17.08	-19.1711	-23.9543	-50.1871	-24.4162	-19.1351
-49	-16.5174	-16.2438	-16.1707	-17.0878	-19.1786	-22.9812	-41.8254	-26.1068	-20.2711
-48	-16.6668	-16.0928	-16.444	-17.0756	-19.232	-22.1797	-35.518	-27.8337	-21.3945
-47	-16.7411	-15.9042	-16.5345	-16.9378	-19.1861	-21.4392	-32.1451	-29.3146	-22.2774
-46	-16.7752	-15.6817	-16.3892	-16.6014	-18.9119	-20.5854	-29.6699	-30.2181	-22.7397
-45	-16.7728	-15.4107	-16.0297	-16.0453	-18.3511	-19.5552	-27.3789	-30.3149	-22.7868
-44	-16.688	-15.0659	-15.5278	-15.3237	-17.5602	-18.4172	-25.0851	-29.6015	-22.616
-43	-16.4324	-14.6322	-14.9475	-14.5322	-16.6553	-17.2975	-22.8868	-28.2369	-22.4755
-42	-15.9083	-14.0887	-14.3382	-13.7605	-15.767	-16.3017	-20.8738	-26.4059	-22.4925
-41	-15.0976	-13.4524	-13.715	-13.0694	-14.959	-15.4526	-19.1084	-24.2978	-22.5496
-40	-14.0677	-12.7535	-13.0907	-12.4754	-14.2507	-14.7211	-17.5906	-22.0943	-22.2023
-39	-12.9655	-12.0414	-12.4647	-11.9639	-13.6281	-14.0508	-16.2739	-19.9512	-20.9979
-38	-11.9104	-11.3717	-11.8556	-11.5075	-13.0502	-13.3763	-15.1163	-17.9722	-19.1048
-37	-10.9665	-10.754	-11.268	-11.0584	-12.4779	-12.6583	-14.0718	-16.1969	-17.05
-36	-10.1367	-10.17	-10.7009	-10.5772	-11.8759	-11.875	-13.0942	-14.6268	-15.1543
-35	-9.38359	-9.58374	-10.1336	-10.0419	-11.2273	-11.0403	-12.1571	-13.2352	-13.5124
-34	-8.65576	-8.94325	-9.53539	-9.43933	-10.5285	-10.1851	-11.2418	-11.9929	-12.1168
-33	-7.91159	-8.21639	-8.87902	-8.77446	-9.79264	-9.34735	-10.35	-10.8755	-10.9211
-32	-7.12983	-7.39983	-8.15316	-8.06757	-9.03455	-8.56012	-9.48808	-9.86716	-9.88322
-31	-6.3188	-6.52702	-7.3662	-7.34066	-8.27417	-7.83665	-8.66451	-8.94993	-8.9487
-30	-5.50825	-5.64316	-6.54556	-6.61457	-7.52546	-7.17571	-7.88358	-8.11147	-8.06665
-29	-4.72845	-4.80014	-5.73434	-5.90916	-6.79837	-6.5569	-7.13675	-7.32827	-7.19131
-28	-4.01385	-4.03748	-4.97521	-5.2392	-6.09724	-5.94905	-6.40577	-6.57058	-6.29953
-27	-3.37713	-3.37997	-4.29502	-4.61026	-5.42553	-5.32804	-5.67576	-5.81117	-5.38582
-26	-2.82233	-2.828	-3.70508	-4.02148	-4.78568	-4.67644	-4.93024	-5.02959	-4.46581
-25	-2.3292	-2.36598	-3.19645	-3.46604	-4.17001	-3.99356	-4.17248	-4.22733	-3.56446
-24	-1.86939	-1.95947	-2.74207	-2.93363	-3.57495	-3.2966	-3.41699	-3.40258	-2.7093
-23	-1.41156	-1.57049	-2.3081	-2.41245	-2.99521	-2.6127	-2.68379	-2.59872	-1.92724
-22	-0.93546	-1.16348	-1.85745	-1.89493	-2.43087	-1.97201	-2.00153	-1.846	-1.23262
-21	-0.435251	-0.717668	-1.3674	-1.37981	-1.8825	-1.40039	-1.39302	-1.17522	-0.635092
-20	0.0799658	0.231266	-0.835381	-0.870785	-1.35389	-0.909675	-0.872809	-0.610195	0.130004
-19	0.587837	0.276793	-2.79E-01	-0.375812	-0.85145	-0.500159	-0.442977	-0.160935	2.96E-01
-18	1.06E+00	7.76E-01	2.70E-01	9.21E-02	-3.82E-01	-0.159586	-9.37E-02	1.80E-01	6.64E-01
-17	1.47E+00	1.23E+00	7.70E-01	5.20E-01	4.84E-02	1.35E-01	1.96E-01	4.32E-01	9.98E-01
-16	1.79E+00	1.61E+00	1.19E+00	8.98E-01	4.33E-01	4.10E-01	4.53E-01	6.31E-01	1.32E+00
-15	1.99991	1.89E+00	1.51E+00	1.22E+00	7.69E-01	6.89E-01	7.05E-01	8.17E-01	1.64E+00
-14	2.10328	2.06755	1.72E+00	1.49E+00	1.06E+00	9.88E-01	9.74E-01	1.03E+00	1.96E+00
-13	2.11758	2.15911	1.82821	1.70E+00	1.30E+00	1.31E+00	1.27E+00	1.30E+00	2.29658
-12	2.07933	2.19445	1.87643	1.88494	1.51842	1.64E+00	1.58E+00	1.63E+00	2.63152
-11	2.03642	2.2145	1.90258	2.04221	1.70984	1.97E+00	1.89E+00	2.01E+00	2.95018
-10	2.03559	2.2604	1.95275	2.19116	1.88945	2.26666	2.18E+00	2.40E+00	3.22705
-9	2.10773	2.36297	2.06605	2.34297	2.0669	2.51479	2.40336	2.74E+00	3.44393
-8	2.26197	2.53127	2.2586	2.50021	2.24529	2.69904	2.55808	3.00E+00	3.57866
-7	2.48718	2.75585	2.52387	2.66014	2.42323	2.81962	2.63395	3.16362	3.63382
-6	2.75437	3.0091	2.83019	2.81261	2.59401	2.87893	2.64107	3.22005	3.62915
-5	3.02888	3.25441	3.13077	2.94305	2.7484	2.8896	2.60213	3.18238	3.58505
-4	3.26756	3.45335	3.3824	3.0375	2.87271	2.87796	2.54972	3.09045	3.54191
-3	3.43822	3.57394	3.54733	3.08498	2.95799	2.86172	2.51526	2.9831	3.5193
-2	3.51233	3.59761	3.6065	3.08278	2.99648	2.85429	2.52188	2.89977	3.52079
-1	3.4906	3.52209	3.55798	3.03578	2.98701	2.86444	2.57099	2.86497	3.54406
0	3.3874	3.36605	3.4176	2.95357	2.93148	2.8865	2.6466	2.8827	3.56756
1	3.23026	3.1624	3.21724	2.85277	2.83433	2.91204	2.7189	2.93302	3.57452
2	3.05162	2.95315	2.99779	2.74933	2.7045	2.80959	2.75105	2.97674	3.53573
3	2.87761	2.77597	2.80053	2.65736	2.55143	2.86748	2.71087	2.96657	3.43356
4	2.72789	2.65059	2.65303	2.58178	2.38273	2.75924	2.57606	2.85735	3.24308
5	2.60669	2.57237	2.55754	2.51583	2.20326	2.57979	2.33589	2.62073	2.96012
6	2.49608	2.51499	2.49069	2.43928	2.01041	2.32331	1.99593	2.25131	2.59334
7	2.38574	2.44043	2.4103	2.32404	1.79352	1.99E+00	1.58E+00	1.78E+00	2.18732
8	2.23886	2.3091	2.2694	2.14081	1.54042	1.61E+00	1.13E+00	1.26E+00	1.80239
9	2.02888	2.08777	2.02957	1.8699	1.24716	1.20E+00	7.15E-01	7.85E-01	1.50511
10	1.72738	1.75582	1.67472	1.51109	0.925629	8.08E-01	4.05E-01	4.52E-01	1.33684
11	1.31878	1.31114	1.21304	1.0853	0.606939	5.00E-01	2.56E-01	3.17E-01	1.2935
12	0.804964	0.77047	0.679864	0.63877	0.334919	3.18E-01	2.74E-01	3.74E-01	1.32904
13	0.206285	0.174475	0.136087	0.228576	0.139377	2.67E-01	4.00E-01	5.55E-01	1.38E+00
14	-0.443182	-0.41866	-0.343618	-0.093323	0.0277635	3.06E-01	5.48E-01	7.57E-01	1.38E+00
15	-1.09328	-0.93825	-0.692842	-3.02E-01	2.53E-02	3.69E-01	6.29E-01	8.77E-01	1.27E+00
16	-1.69E+00	-1.32766	-0.884283	-4.10E-01	6.25E-02	3.89E-01	5.81E-01	0.833911	1.00E+00
17	-2.16E+00	-1.56E+00	-9.38E-01	-4.57E-01	-1.30E-01	0.319629	0.36836	0.572284	0.544778
18	-2.48E+00	-1.66E+00	-9.21E-01	-4.99E-01	-2.71E-01	0.126996	-0.0258694	0.0615676	-0.12074
19	-2.63E+00	-1.70E+00	-9.18E-01	-0.599862	-0.52429	-0.212729	-0.605124	-0.703621	-0.994201
20	-2.70E+00	-1.75E+00	-1.01865	-0.820905	-0.932786	-0.72466	-1.36619	-1.70543	-2.04405
21	-2.75966	-1.91017	-1.29606	-1.21762	-1.53525	-1.42677	-2.29805	-2.89394	-3.19741
22	-2.92049	-2.24395	-1.80313	-1.83282	-2.36438	-2.33186	-3.36766	-4.18304	-4.33608
23	-3.24462	-2.79468	-2.57026	-2.69195	-3.43615	-3.42598	-4.50718	-5.42911	-5.30926
24	-3.76445	-3.57894	-3.59976	-3.7945	-4.73092	-4.66085	-5.60243	-6.45594	-6.00225
25	-4.49405	-4.59116	-4.86029	-5.1029	-6.18125	-5.93339	-6.52827	-7.1383	-6.42582
26	-5.43213	-5.80021	-6.28591	-6.52952	-7.64911	-7.11131	-7.23226	-7.5105	-6.70834
27	-6.583	-7.15642	-7.75859	-7.93514	-8.95463	-8.07944	-7.78197	-7.75971	-7.02189
28	-7.94774	-8.58364	-9.12904	-9.13761	-9.93967	-8.80476	-8.3072	-8.09516	-7.49771
29	-9.5103	-9.99089	-10.2458	-9.99707	-10.5742	-9.32707	-8.90573	-8.64959	-8.2111
30	-11.1951	-11.2499	-11.0239	-10.4912	-10.9473	-9.73243	-9.60945	-9.45669	-9.17561
31	-12.8196	-12.2466	-11.5256	-10.7474	-11.2086	-10.1231	-10.418	-10.4731	-10.3523
32	-14.1309	-12.9574	-11.9167	-10.9511	-11.5399	-10.6269	-11.3452	-11.6093	-11.6698
33	-14.9887	-13.4831	-12.402	-11.2953	-12.1195	-11.3898	-12.4777	-12.818	-13.0608
34	-15.5069	-14.0003	-13.1479	-11.9248	-13.1098	-12.5624	-13.9466	-14.173	-14.5276
35	-15.9102	-14.6457	-14.2338	-1					

45	-25.7828	-24.801	-25.7083	-25.3648	-25.7024	-23.7048	-19.8367	-16.9161	-15.7209
46	-24.5935	-24.3757	-25.4153	-25.9788	-25.1555	-24.1908	-20.0716	-16.9862	-15.599
47	-23.7702	-23.4678	-24.3354	-26.179	-24.6156	-24.9116	-20.7926	-17.7855	-16.08
48	-23.2013	-22.4797	-23.0675	-25.6408	-23.7405	-24.7478	-21.5616	-19.1554	-17.0665
49	-22.976	-21.7279	-22.0833	-24.7265	-22.71	-23.4899	-21.8371	-20.6965	-18.3557
50	-23.2463	-21.4032	-21.5974	-24.043	-21.9436	-22.144	-21.4986	-21.7232	-19.5761
51	-24.0694	-21.5873	-21.6745	-23.9132	-21.6906	-21.3178	-20.8737	-21.6497	-20.177
52	-25.2751	-22.2801	-22.295	-24.3876	-21.9898	-21.0889	-20.2346	-20.625	-19.833
53	-26.3447	-23.3925	-23.383	-25.3267	-22.7415	-21.3247	-19.6655	-19.231	-18.8157
54	-26.7522	-24.6946	-24.7991	-26.4643	-23.6997	-21.8481	-19.2501	-17.9484	-17.6721
55	-26.6921	-25.7821	-26.3182	-27.6011	-24.6905	-22.5743	-19.1208	-17.0981	-16.7912
56	-26.6572	-26.1884	-27.5259	-28.8713	-25.6931	-23.6186	-19.4639	-16.8697	-16.3861
57	-26.6796	-25.7281	-27.7395	-30.473	-26.7757	-25.2531	-20.4266	-17.3744	-16.5629
58	-26.396	-24.6867	-26.7017	-31.5205	-27.5632	-27.6571	-22.1785	-18.7181	-17.3849
59	-25.7463	-23.5564	-25.1389	-30.1576	-27.232	-30.0406	-24.8837	-21.0243	-18.9049
60	-25.2115	-22.7281	-23.8007	-27.7086	-25.9708	-29.4877	-28.4426	-24.4813	-21.1878
61	-25.3172	-22.42	-22.9783	-25.9108	-24.8122	-27.0282	-30.7213	-29.263	-24.3507
62	-26.4294	-22.7353	-22.6928	-25.0698	-24.2517	-25.1085	-28.917	-33.3942	-28.6341
63	-28.9315	-23.687	-22.829	-25.0069	-24.2661	-24.0067	-26.1445	-30.4194	-32.6057
64	-33.608	-25.1687	-23.2017	-25.3064	-24.4389	-23.4603	-23.9377	-26.0843	-29.3514
65	-42.7024	-26.8804	-23.6655	-25.3651	-24.2186	-23.1853	-22.3479	-22.8421	-24.8242
66	-41.4834	-28.4466	-24.2701	-24.9369	-23.5562	-23.0275	-21.3499	-20.638	-21.7397
67	-36.0311	-29.9232	-25.3015	-24.4645	-22.9748	-22.9841	-20.9505	-19.3475	-19.8142
68	-32.9613	-31.9084	-27.2304	-24.4929	-22.9354	-23.0987	-21.1144	-18.8656	-18.8113
69	-29.9976	-34.3442	-30.8823	-25.3396	-23.6352	-23.3149	-21.6915	-19.0166	-18.5695
70	-27.2604	-33.7982	-38.9436	-27.0892	-25.0421	-23.4096	-22.3141	-19.5037	-18.9295
71	-25.2916	-30.3365	-40.5515	-29.5138	-26.773	-23.1922	-22.4941	-19.8542	-19.6443
72	-24.2784	-27.5581	-32.051	-31.4321	-28.0181	-22.795	-22.14	-19.7846	-20.337
73	-24.2274	-25.8213	-28.4583	-31.6728	-28.5462	-22.574	-21.6626	-19.505	-20.7356
74	-25.0346	-24.7109	-26.4929	-31.2634	-29.2511	-22.8405	-21.4609	-19.4472	-20.9347
75	-26.2558	-23.7496	-25.1115	-30.7342	-30.8421	-23.7685	-21.6667	-19.8524	-21.2557
76	-26.7123	-22.6553	-23.816	-29.2127	-32.2959	-25.4088	-22.2088	-20.716	-21.8887
77	-25.6858	-21.5098	-22.5014	-26.7389	-30.3498	-27.5379	-22.8732	-21.7691	-22.7501
78	-24.2147	-20.5698	-21.3034	-24.3955	-27.0811	-29.2138	-23.4322	-22.5154	-23.4118
79	-23.1742	-20.0204	-20.362	-22.6956	-24.7404	-29.4471	-23.8368	-22.6061	-23.3936
80	-22.7157	-19.9137	-19.7269	-21.6574	-23.4176	-28.9536	-24.2348	-22.2518	-22.7268
81	-22.7585	-20.1872	-19.3786	-21.1284	-22.8605	-28.8547	-24.8076	-21.8641	-21.823
82	-23.1618	-20.7227	-19.2643	-20.876	-22.7783	-29.5087	-25.6374	-21.681	-20.9762
83	-23.8469	-21.3757	-19.3411	-20.6549	-22.8563	-30.8469	-26.6481	-21.7916	-20.2864
84	-24.8672	-22.0864	-19.5851	-20.3197	-22.8384	-32.4381	-27.7273	-22.2503	-19.7912
85	-26.4791	-22.9521	-19.9907	-19.8926	-22.6657	-33.3665	-28.7308	-23.0963	-19.511
86	-29.2031	-24.1591	-20.5375	-19.4989	-22.4444	-32.9803	-29.4885	-24.2334	-19.4388
87	-34.1216	-25.9257	-21.202	-19.2256	-22.2828	-31.7408	-29.6878	-25.2103	-19.5065
88	-40.6423	-28.4722	-21.9143	-19.0885	-22.194	-30.2774	-29.2196	-25.2962	-19.5863
89	-33.6909	-31.9389	-22.5973	-19.0468	-22.1035	-28.8505	-28.305	-24.392	-19.5449
90	-28.8195	-35.9984	-23.1597	-19.0257	-21.8941	-27.5658	-27.4045	-23.1712	-19.3654
91	-26.0447	-38.4395	-23.5719	-18.958	-21.4675	-26.4846	-26.7853	-22.1191	-19.107
92	-24.3399	-37.8529	-23.8564	-18.7913	-20.8076	-25.6361	-26.5221	-21.3429	-18.8649
93	-23.257	-36.6099	-24.1038	-18.5333	-20.0098	-25.0288	-26.559	-20.8216	-18.7008
94	-22.5561	-35.4136	-24.4389	-18.2371	-19.2393	-24.6629	-26.7671	-20.4776	-18.6087
95	-22.1042	-33.9885	-24.9932	-18.0119	-18.6532	-24.5323	-26.9742	-20.2554	-18.5736
96	-21.8409	-32.1862	-25.8339	-17.9534	-18.3591	-24.6305	-27.0184	-20.1072	-18.5886
97	-21.7576	-30.1585	-26.9617	-18.1271	-18.4063	-24.9328	-26.8212	-19.9843	-18.6301
98	-21.8724	-28.2139	-28.2088	-18.5558	-18.7904	-25.3936	-26.4044	-19.8632	-18.6776
99	-22.203	-26.6228	-29.1796	-19.1953	-19.4568	-25.9341	-25.8762	-19.7396	-18.7149
100	-22.735	-25.5443	-29.4575	-19.9147	-20.2868	-26.457	-25.3078	-19.664	-18.7641
101	-23.3882	-25.047	-29.0702	-20.5076	-21.1016	-26.8691	-24.7363	-19.6545	-18.8701
102	-23.9914	-25.1335	-28.3601	-20.7228	-21.6991	-27.1278	-24.1856	-19.7194	-19.1023
103	-24.3305	-25.7426	-27.5412	-20.4517	-21.9477	-27.2751	-23.6423	-19.7869	-19.5006
104	-24.3045	-26.7023	-26.671	-19.8134	-21.8663	-27.4078	-23.0962	-19.7734	-20.0539
105	-24.0058	-27.6915	-25.7391	-19.0458	-21.6093	-27.6136	-22.5253	-19.6211	-20.7103
106	-23.6112	-28.3307	-24.7691	-18.3527	-21.3695	-27.8974	-21.927	-19.3224	-21.4215
107	-23.2359	-28.4794	-23.8298	-17.8635	-21.3016	-28.127	-21.2882	-18.9288	-22.1987
108	-22.9028	-28.2878	-23.0065	-17.6272	-21.4952	-28.0715	-20.6461	-18.5429	-23.1318
109	-22.5829	-27.9309	-22.3738	-17.6416	-21.974	-27.5968	-20.0408	-18.2709	-24.3421
110	-22.2434	-27.5342	-21.9896	-17.8534	-22.6872	-26.8309	-19.5473	-18.216	-25.9387
111	-21.8825	-27.2372	-21.894	-18.1895	-23.5231	-26.0277	-19.2173	-18.4625	-27.9879
112	-21.5291	-27.182	-22.0861	-18.5422	-24.3328	-25.3622	-19.059	-19.0693	-30.478
113	-21.2355	-27.3911	-22.5556	-18.829	-24.9974	-24.8817	-19.0703	-20.0412	-32.8214
114	-21.0629	-27.6555	-23.2396	-18.9937	-25.4773	-24.5499	-19.2016	-21.345	-32.4689
115	-21.0693	-27.5568	-24.0269	-19.0221	-25.7833	-24.2834	-19.3882	-22.8392	-29.1857
116	-21.2992	-26.8965	-24.7345	-18.9553	-25.9366	-23.985	-19.5742	-24.2469	-25.8357
117	-21.777	-25.9994	-25.1402	-18.8781	-25.9738	-23.5709	-19.7025	-25.2015	-23.2435
118	-22.4987	-25.2892	-25.1055	-18.8502	-25.9764	-22.9925	-19.717	-25.4907	-21.3802
119	-23.4245	-24.9543	-24.6309	-18.9386	-26.0371	-22.2583	-19.5997	-25.2394	-20.1318
120	-24.4598	-24.9618	-23.9027	-19.1709	-26.2199	-21.4305	-19.3691	-24.747	-19.3903
121	-25.4461	-25.1379	-23.0617	-19.5227	-26.5101	-20.6018	-19.1299	-24.2459	-19.0253
122	-26.1692	-25.2792	-22.2506	-19.9528	-26.8104	-19.8552	-19.007	-23.8185	-18.929
123	-26.4171	-25.3182	-21.5156	-20.4039	-26.9368	-19.2518	-19.1353	-23.4258	-18.9847
124	-26.0938	-25.3623	-20.8816	-20.826	-26.7082	-18.8284	-19.6378	-22.9785	-19.1278
125	-25.2778	-25.557	-20.3523	-21.1853	-26.1075	-18.602	-20.5795	-22.4309	-19.3382
126	-24.1697	-25.9502	-19.9403	-21.4628	-25.345	-18.5837	-22.0131	-21.8795	-19.6407
127	-22.9961	-26.4663	-19.6622	-21.6605	-24.7107	-18.7517	-23.9075	-21.4238	-20.0673
128	-21.9437	-26.9753	-19.5474	-21.8106	-24.4277	-19.0833	-26.0522	-21.156	-20.6539
129	-21.1448	-27.4119	-19.6384	-21.9721	-24.6247	-19.5267	-27.8372	-21.0429	-21.4381
130	-20.6748	-27.8405	-19.9658	-22.1968	-25.3415	-20.0034	-28.3069	-20.9758	-22.4719
131	-20.5705	-28.3501	-20.5763	-22.4999	-26.4922	-20.4433	-27.244	-20.8061	-23.8024
132	-20.8214	-28.9543	-21.4666	-22.8571	-27.7033	-20.7846	-25.4243	-20.4607	-25.4102
133	-21.3531	-29.5089	-22.601	-23.2207	-28.1912	-21.0167	-23.5611	-19.9833	-27.0266
134	-22.0094	-29.6383	-23.8453	-23.5277	-27.3953	-21.17	-22	-19.5006	-28.0035
135	-22.5564	-28.819	-24.9365	-23.66	-25.7374	-21.2994	-20.8644	-19.1229	-27.9215
136	-22.7901	-27.0094	-25.5698	-23.4319	-23.902	-21.4592	-20.1737	-18.924	-27.3078
137	-22.6884	-24.8366	-25.6322	-22.7375	-22.2717	-21.6911	-19.8819	-18.9354	-26.8344
138	-22.3907	-22.8837	-25.3023	-21.7316	-21.0483	-22.0229	-19.89	-19.1824	-26.7375
139	-22.0723	-21.4215	-24.8812	-20.7341	-20.3517	-22.4576	-20.1065	-19.6456	-26.991
140	-21.8802	-20.533	-24.6225	-19.9941	-20.2604	-22.9742	-20.4418	-20.2424	-27.3827
141	-21.9525	-20.2088	-24.6996	-19.6335	-20.7908	-23.5237	-20.8372	-20.7952	-27.5866
142	-22.4345	-20.3869	-25.173	-19.6619	-21.7928	-24.0421	-21.2043	-21.0174	-27.3413
143	-23.491	-20.9158	-25.8261	-20.0299	-22.6689	-24.4746	-21.3408	-20.7476	-26.5917
144	-25.3348	-21.496	-25.9346	-20.6061	-22.4111	-24.81	-21.0122	-20.135	-25.5367
145	-28.3102	-21.7128	-24.8428	-21.2701	-21.0667	-25.104	-20.2577	-19.5057	-24.4846
146	-33.2101	-21.3405	-23.0688	-21.9151	-19.6194	-25.4623	-19.3964	-19.1302	-23.6692
147	-43.474	-20.5614	-21.4381	-22.5147	-18.6007	-26.0084	-18.7587	-19.1681	-23.2612
148	-44.3987	-19.7208	-20.2903	-23.0786	-18.1093	-26.8588	-18.5179	-19.721	-23.3248
149	-36.6171	-19.0742	-1						

158	-22.7305	-19.3043	-20.1234	-20.2329	-16.9812	-18.5498	-17.4133	-16.65	-15.4549
159	-22.9365	-18.5009	-19.5623	-19.9372	-17.2199	-18.6951	-17.6485	-17.2776	-15.7586
160	-23.9659	-18.8169	-19.8522	-20.5902	-18.2562	-20.0022	-18.7958	-19.2169	-16.7705
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163	-27.0901	-23.5289	-22.3009	-27.2773	-19.5909	-24.0647	-20.5445	-22.94	-19.9076
164	-24.9374	-24.2013	-20.4348	-26.8352	-18.3264	-20.1253	-18.6309	-19.0027	-18.235
165	-22.9127	-24.7085	-18.5207	-23.8637	-17.7394	-17.5665	-17.4288	-16.9241	-16.6758
166	-21.3658	-26.3314	-17.3751	-21.0162	-18.2175	-16.2253	-17.1317	-16.1157	-15.8624
167	-20.1776	-29.5402	-17.1177	-18.8368	-19.9335	-15.7916	-17.5686	-16.171	-15.8165
168	-19.2646	-29.2655	-17.7375	-17.3232	-22.9212	-16.0469	-18.2749	-16.6403	-16.3471
169	-18.7342	-24.5162	-19.2283	-16.4691	-25.2248	-16.7478	-18.5762	-16.9847	-17.0196
170	-18.78	-21.2269	-21.5241	-16.3026	-23.4541	-17.6022	-18.3192	-16.9593	-17.2225
171	-19.6496	-19.5221	-24.0378	-16.8508	-21.2386	-18.3481	-18.1066	-16.9267	-16.7907
172	-21.698	-19.045	-25.0255	-18.1264	-20.4456	-18.9612	-18.5478	-17.4842	-16.2242
173	-25.646	-19.5547	-24.0595	-19.9717	-21.1474	-19.6342	-19.8262	-19.1388	-16.0216
174	-32.939	-20.7786	-22.9126	-21.7003	-23.1277	-20.5834	-21.3258	-22.4955	-16.3939
175	-31.9513	-22.1873	-22.4257	-22.3493	-24.7402	-21.9023	-21.0957	-27.4166	-17.3558
176	-26.9186	-23.2016	-22.78	-22.3106	-23.0696	-23.6063	-19.1617	-25.3808	-18.7823
177	-25.1819	-24.1575	-24.0293	-22.9287	-20.5152	-25.6109	-17.5003	-20.9637	-20.4077
178	-25.2723	-26.3997	-25.872	-25.3416	-18.9062	-26.8028	-16.8079	-18.4452	-21.84
179	-25.4563	-32.5031	-26.2248	-31.4954	-18.2242	-24.741	-17.1461	-17.1012	-22.6671
Max Gain	3.512	3.598	3.607	3.085	2.996	2.912	2.751	3.220	3.634
30Dragee Max Gal	-7.912	-8.216	-8.879	-9.138	-9.793	-7.176	-7.137	-7.138	-6.002