

Information provided here corresponds to the four quadrants of the contour profile of the 3D optimized cross-slot L5R8AR2. All dimensions are expressed in  $\mu\text{m}$ .

QUADRANTS											
I		II		III		IV					
xxx	yyy	xxx	yyy	xxx	yyy	xxx	yyy	xxx	yyy		
	50	1000		-50	1000		50	-1000		-50	-1000
	50	700		-50	700		50	-700		-50	-700
	50	500		-50	500		50	-500		-50	-500
	50	450		-50	450		50	-450		-50	-450
50.001344	448.9528		-50.00134	448.9528		50.001344	-448.9528		-50.00134	-448.9528	
50.005269	447.90561		-50.00527	447.90561		50.005269	-447.9056		-50.00527	-447.9056	
50.011614	446.85843		-50.01161	446.85843		50.011614	-446.8584		-50.01161	-446.8584	
50.020218	445.81127		-50.02022	445.81127		50.020218	-445.8113		-50.02022	-445.8113	
50.03092	444.76412		-50.03092	444.76412		50.03092	-444.7641		-50.03092	-444.7641	
50.04356	443.71698		-50.04356	443.71698		50.04356	-443.717		-50.04356	-443.717	
50.057977	442.66986		-50.05798	442.66986		50.057977	-442.6699		-50.05798	-442.6699	
50.074011	441.62274		-50.07401	441.62274		50.074011	-441.6227		-50.07401	-441.6227	
50.0915	440.57563		-50.0915	440.57563		50.0915	-440.5756		-50.0915	-440.5756	
50.110285	439.52852		-50.11028	439.52852		50.110285	-439.5285		-50.11028	-439.5285	
50.130204	438.48139		-50.1302	438.48139		50.130204	-438.4814		-50.1302	-438.4814	
50.151097	437.43424		-50.1511	437.43424		50.151097	-437.4342		-50.1511	-437.4342	
50.172805	436.38706		-50.17281	436.38706		50.172805	-436.3871		-50.17281	-436.3871	
50.195167	435.33982		-50.19517	435.33982		50.195167	-435.3398		-50.19517	-435.3398	
50.218023	434.29252		-50.21802	434.29252		50.218023	-434.2925		-50.21802	-434.2925	
50.241086	433.24514		-50.24109	433.24514		50.241086	-433.2451		-50.24109	-433.2451	
50.263561	432.19762		-50.26356	432.19762		50.263561	-432.1976		-50.26356	-432.1976	
50.284527	431.1499		-50.28453	431.1499		50.284527	-431.1499		-50.28453	-431.1499	
50.303064	430.10191		-50.30306	430.10191		50.303064	-430.1019		-50.30306	-430.1019	
50.318251	429.05357		-50.31825	429.05357		50.318251	-429.0536		-50.31825	-429.0536	
50.329169	428.00478		-50.32917	428.00478		50.329169	-428.0048		-50.32917	-428.0048	
50.3349	426.95546		-50.3349	426.95546		50.3349	-426.9555		-50.3349	-426.9555	
50.334526	425.90547		-50.33453	425.90547		50.334526	-425.9055		-50.33453	-425.9055	
50.327129	424.85471		-50.32713	424.85471		50.327129	-424.8547		-50.32713	-424.8547	
50.311795	423.80305		-50.3118	423.80305		50.311795	-423.8031		-50.3118	-423.8031	
50.287608	422.75034		-50.28761	422.75034		50.287608	-422.7503		-50.28761	-422.7503	
50.253655	421.69644		-50.25366	421.69644		50.253655	-421.6964		-50.25366	-421.6964	
50.209023	420.64119		-50.20902	420.64119		50.209023	-420.6412		-50.20902	-420.6412	
50.152801	419.58441		-50.1528	419.58441		50.152801	-419.5844		-50.1528	-419.5844	
50.084078	418.52593		-50.08408	418.52593		50.084078	-418.5259		-50.08408	-418.5259	
50.087008	417.47249		-50.08701	417.47249		50.087008	-417.4725		-50.08701	-417.4725	
50.088715	416.41851		-50.08872	416.41851		50.088715	-416.4185		-50.08872	-416.4185	
50.089256	415.36398		-50.08926	415.36398		50.089256	-415.364		-50.08926	-415.364	
50.088686	414.30887		-50.08869	414.30887		50.088686	-414.3089		-50.08869	-414.3089	
50.087063	413.25316		-50.08706	413.25316		50.087063	-413.2532		-50.08706	-413.2532	
50.084445	412.19685		-50.08444	412.19685		50.084445	-412.1968		-50.08444	-412.1968	
50.080887	411.13991		-50.08089	411.13991		50.080887	-411.1399		-50.08089	-411.1399	
50.076448	410.08232		-50.07645	410.08232		50.076448	-410.0823		-50.07645	-410.0823	
50.071184	409.02408		-50.07118	409.02408		50.071184	-409.0241		-50.07118	-409.0241	
50.065153	407.96515		-50.06515	407.96515		50.065153	-407.9652		-50.06515	-407.9652	
50.058413	406.90554		-50.05841	406.90554		50.058413	-406.9055		-50.05841	-406.9055	
50.051021	405.84522		-50.05102	405.84522		50.051021	-405.8452		-50.05102	-405.8452	
50.043034	404.78418		-50.04303	404.78418		50.043034	-404.7842		-50.04303	-404.7842	
50.034511	403.72241		-50.03451	403.72241		50.034511	-403.7224		-50.03451	-403.7224	
50.025508	402.6599		-50.02551	402.6599		50.025508	-402.6599		-50.02551	-402.6599	
50.016084	401.59663		-50.01608	401.59663		50.016084	-401.5966		-50.01608	-401.5966	
50.006296	400.53259		-50.0063	400.53259		50.006296	-400.5326		-50.0063	-400.5326	
49.996202	399.46777		-49.9962	399.46777		49.996202	-399.4678		-49.9962	-399.4678	
49.98586	398.40216		-49.98586	398.40216		49.98586	-398.4022		-49.98586	-398.4022	
49.975328	397.33575		-49.97533	397.33575		49.975328	-397.3358		-49.97533	-397.3358	
49.964665	396.26854		-49.96466	396.26854		49.964665	-396.2685		-49.96466	-396.2685	

49.953926	395.2005	-49.95393	395.2005	49.953926	-395.2005	-49.95393	-395.2005
49.943172	394.13165	-49.94317	394.13165	49.943172	-394.1316	-49.94317	-394.1316
49.932459	393.06196	-49.93246	393.06196	49.932459	-393.062	-49.93246	-393.062
49.921847	391.99143	-49.92185	391.99143	49.921847	-391.9914	-49.92185	-391.9914
49.911392	390.92005	-49.91139	390.92005	49.911392	-390.9201	-49.91139	-390.9201
49.901153	389.84783	-49.90115	389.84783	49.901153	-389.8478	-49.90115	-389.8478
49.891188	388.77475	-49.89119	388.77475	49.891188	-388.7747	-49.89119	-388.7747
49.881556	387.70081	-49.88156	387.70081	49.881556	-387.7008	-49.88156	-387.7008
49.872313	386.626	-49.87231	386.626	49.872313	-386.626	-49.87231	-386.626
49.863509	385.55032	-49.86351	385.55032	49.863509	-385.5503	-49.86351	-385.5503
49.855151	384.47377	-49.85515	384.47377	49.855151	-384.4738	-49.85515	-384.4738
49.847238	383.39632	-49.84724	383.39632	49.847238	-383.3963	-49.84724	-383.3963
49.839768	382.31796	-49.83977	382.31796	49.839768	-382.318	-49.83977	-382.318
49.83274	381.23869	-49.83274	381.23869	49.83274	-381.2387	-49.83274	-381.2387
49.826152	380.15848	-49.82615	380.15848	49.826152	-380.1585	-49.82615	-380.1585
49.820004	379.07733	-49.82	379.07733	49.820004	-379.0773	-49.82	-379.0773
49.814293	377.99522	-49.81429	377.99522	49.814293	-377.9952	-49.81429	-377.9952
49.809019	376.91215	-49.80902	376.91215	49.809019	-376.9121	-49.80902	-376.9121
49.804181	375.82809	-49.80418	375.82809	49.804181	-375.8281	-49.80418	-375.8281
49.799778	374.74303	-49.79978	374.74303	49.799778	-374.743	-49.79978	-374.743
49.795809	373.65697	-49.79581	373.65697	49.795809	-373.657	-49.79581	-373.657
49.792273	372.56988	-49.79227	372.56988	49.792273	-372.5699	-49.79227	-372.5699
49.78917	371.48176	-49.78917	371.48176	49.78917	-371.4818	-49.78917	-371.4818
49.786499	370.39258	-49.7865	370.39258	49.786499	-370.3926	-49.7865	-370.3926
49.78426	369.30235	-49.78426	369.30235	49.78426	-369.3023	-49.78426	-369.3023
49.782452	368.21104	-49.78245	368.21104	49.782452	-368.211	-49.78245	-368.211
49.781075	367.11864	-49.78108	367.11864	49.781075	-367.1186	-49.78108	-367.1186
49.78013	366.02514	-49.78013	366.02514	49.78013	-366.0251	-49.78013	-366.0251
49.779616	364.93053	-49.77962	364.93053	49.779616	-364.9305	-49.77962	-364.9305
49.779532	363.83479	-49.77953	363.83479	49.779532	-363.8348	-49.77953	-363.8348
49.77988	362.7379	-49.77988	362.7379	49.77988	-362.7379	-49.77988	-362.7379
49.78066	361.63986	-49.78066	361.63986	49.78066	-361.6399	-49.78066	-361.6399
49.781871	360.54065	-49.78187	360.54065	49.781871	-360.5406	-49.78187	-360.5406
49.783514	359.44025	-49.78351	359.44025	49.783514	-359.4403	-49.78351	-359.4403
49.785591	358.33866	-49.78559	358.33866	49.785591	-358.3387	-49.78559	-358.3387
49.788101	357.23586	-49.7881	357.23586	49.788101	-357.2359	-49.7881	-357.2359
49.791045	356.13183	-49.79105	356.13183	49.791045	-356.1318	-49.79105	-356.1318
49.794425	355.02657	-49.79442	355.02657	49.794425	-355.0266	-49.79442	-355.0266
49.798241	353.92006	-49.79824	353.92006	49.798241	-353.9201	-49.79824	-353.9201
49.802493	352.81227	-49.80249	352.81227	49.802493	-352.8123	-49.80249	-352.8123
49.80718	351.70321	-49.80718	351.70321	49.80718	-351.7032	-49.80718	-351.7032
49.812299	350.59286	-49.8123	350.59286	49.812299	-350.5929	-49.8123	-350.5929
49.817849	349.48119	-49.81785	349.48119	49.817849	-349.4812	-49.81785	-349.4812
49.823827	348.3682	-49.82383	348.3682	49.823827	-348.3682	-49.82383	-348.3682
49.830231	347.25386	-49.83023	347.25386	49.830231	-347.2539	-49.83023	-347.2539
49.83706	346.13818	-49.83706	346.13818	49.83706	-346.1382	-49.83706	-346.1382
49.844312	345.02112	-49.84431	345.02112	49.844312	-345.0211	-49.84431	-345.0211
49.851985	343.90267	-49.85198	343.90267	49.851985	-343.9027	-49.85198	-343.9027
49.860077	342.78283	-49.86008	342.78283	49.860077	-342.7828	-49.86008	-342.7828
49.868588	341.66157	-49.86859	341.66157	49.868588	-341.6616	-49.86859	-341.6616
49.877515	340.53887	-49.87752	340.53887	49.877515	-340.5389	-49.87752	-340.5389
49.886859	339.41473	-49.88686	339.41473	49.886859	-339.4147	-49.88686	-339.4147
49.896617	338.28913	-49.89662	338.28913	49.896617	-338.2891	-49.89662	-338.2891
49.90679	337.16204	-49.90679	337.16204	49.90679	-337.162	-49.90679	-337.162
49.917375	336.03346	-49.91738	336.03346	49.917375	-336.0335	-49.91738	-336.0335
49.928374	334.90337	-49.92837	334.90337	49.928374	-334.9034	-49.92837	-334.9034
49.939784	333.77176	-49.93978	333.77176	49.939784	-333.7718	-49.93978	-333.7718
49.951605	332.6386	-49.95161	332.6386	49.951605	-332.6386	-49.95161	-332.6386
49.963838	331.50389	-49.96384	331.50389	49.963838	-331.5039	-49.96384	-331.5039
49.976482	330.3676	-49.97648	330.3676	49.976482	-330.3676	-49.97648	-330.3676

49.989537	329.22972	-49.98954	329.22972	49.989537	-329.2297	-49.98954	-329.2297
50.003003	328.09023	-50.003	328.09023	50.003003	-328.0902	-50.003	-328.0902
50.016881	326.94912	-50.01688	326.94912	50.016881	-326.9491	-50.01688	-326.9491
50.031169	325.80637	-50.03117	325.80637	50.031169	-325.8064	-50.03117	-325.8064
50.04587	324.66197	-50.04587	324.66197	50.04587	-324.662	-50.04587	-324.662
50.060984	323.51589	-50.06098	323.51589	50.060984	-323.5159	-50.06098	-323.5159
50.076511	322.36813	-50.07651	322.36813	50.076511	-322.3681	-50.07651	-322.3681
50.092452	321.21866	-50.09245	321.21866	50.092452	-321.2187	-50.09245	-321.2187
50.108808	320.06747	-50.10881	320.06747	50.108808	-320.0675	-50.10881	-320.0675
50.125544	318.91453	-50.12554	318.91453	50.125544	-318.9145	-50.12554	-318.9145
50.142476	317.75976	-50.14248	317.75976	50.142476	-317.7598	-50.14248	-317.7598
50.159388	316.60308	-50.15939	316.60308	50.159388	-316.6031	-50.15939	-316.6031
50.17606	315.44437	-50.17606	315.44437	50.17606	-315.4444	-50.17606	-315.4444
50.192278	314.28356	-50.19228	314.28356	50.192278	-314.2836	-50.19228	-314.2836
50.207825	313.12054	-50.20782	313.12054	50.207825	-313.1205	-50.20782	-313.1205
50.222486	311.95521	-50.22249	311.95521	50.222486	-311.9552	-50.22249	-311.9552
50.236049	310.78746	-50.23605	310.78746	50.236049	-310.7875	-50.23605	-310.7875
50.248301	309.61719	-50.2483	309.61719	50.248301	-309.6172	-50.2483	-309.6172
50.259029	308.44429	-50.25903	308.44429	50.259029	-308.4443	-50.25903	-308.4443
50.268024	307.26866	-50.26802	307.26866	50.268024	-307.2687	-50.26802	-307.2687
50.275076	306.09017	-50.27508	306.09017	50.275076	-306.0902	-50.27508	-306.0902
50.279976	304.90871	-50.27998	304.90871	50.279976	-304.9087	-50.27998	-304.9087
50.282517	303.72417	-50.28252	303.72417	50.282517	-303.7242	-50.28252	-303.7242
50.282493	302.53642	-50.28249	302.53642	50.282493	-302.5364	-50.28249	-302.5364
50.279697	301.34535	-50.2797	301.34535	50.279697	-301.3453	-50.2797	-301.3453
50.273928	300.15082	-50.27393	300.15082	50.273928	-300.1508	-50.27393	-300.1508
50.26498	298.95272	-50.26498	298.95272	50.26498	-298.9527	-50.26498	-298.9527
50.252652	297.75091	-50.25265	297.75091	50.252652	-297.7509	-50.25265	-297.7509
50.236744	296.54526	-50.23674	296.54526	50.236744	-296.5453	-50.23674	-296.5453
50.217056	295.33564	-50.21706	295.33564	50.217056	-295.3356	-50.21706	-295.3356
50.19339	294.12191	-50.19339	294.12191	50.19339	-294.1219	-50.19339	-294.1219
50.165548	292.90394	-50.16555	292.90394	50.165548	-292.9039	-50.16555	-292.9039
50.133334	291.68158	-50.13333	291.68158	50.133334	-291.6816	-50.13333	-291.6816
50.096554	290.4547	-50.09655	290.4547	50.096554	-290.4547	-50.09655	-290.4547
50.055015	289.22314	-50.05501	289.22314	50.055015	-289.2231	-50.05501	-289.2231
50.008523	287.98677	-50.00852	287.98677	50.008523	-287.9868	-50.00852	-287.9868
49.956889	286.74543	-49.95689	286.74543	49.956889	-286.7454	-49.95689	-286.7454
49.899922	285.49897	-49.89992	285.49897	49.899922	-285.499	-49.89992	-285.499
49.837434	284.24723	-49.83743	284.24723	49.837434	-284.2472	-49.83743	-284.2472
49.769452	282.99016	-49.76945	282.99016	49.769452	-282.9902	-49.76945	-282.9902
49.696863	281.72805	-49.69686	281.72805	49.696863	-281.7281	-49.69686	-281.7281
49.620763	280.46129	-49.62076	280.46129	49.620763	-280.4613	-49.62076	-280.4613
49.542244	279.19029	-49.54224	279.19029	49.542244	-279.1903	-49.54224	-279.1903
49.462393	277.91546	-49.46239	277.91546	49.462393	-277.9155	-49.46239	-277.9155
49.382295	276.63723	-49.38229	276.63723	49.382295	-276.6372	-49.38229	-276.6372
49.303027	275.35605	-49.30303	275.35605	49.303027	-275.3561	-49.30303	-275.3561
49.225662	274.07236	-49.22566	274.07236	49.225662	-274.0724	-49.22566	-274.0724
49.151271	272.78663	-49.15127	272.78663	49.151271	-272.7866	-49.15127	-272.7866
49.080917	271.49932	-49.08092	271.49932	49.080917	-271.4993	-49.08092	-271.4993
49.01566	270.21092	-49.01566	270.21092	49.01566	-270.2109	-49.01566	-270.2109
48.956553	268.92194	-48.95655	268.92194	48.956553	-268.9219	-48.95655	-268.9219
48.904646	267.63286	-48.90465	267.63286	48.904646	-267.6329	-48.90465	-267.6329
48.860983	266.34421	-48.86098	266.34421	48.860983	-266.3442	-48.86098	-266.3442
48.826603	265.05653	-48.8266	265.05653	48.826603	-265.0565	-48.8266	-265.0565
48.80254	263.77033	-48.80254	263.77033	48.80254	-263.7703	-48.80254	-263.7703
48.78982	262.48619	-48.78982	262.48619	48.78982	-262.4862	-48.78982	-262.4862
48.789469	261.20465	-48.78947	261.20465	48.789469	-261.2046	-48.78947	-261.2046
48.802501	259.92629	-48.8025	259.92629	48.802501	-259.9263	-48.8025	-259.9263
48.829931	258.65169	-48.82993	258.65169	48.829931	-258.6517	-48.82993	-258.6517
48.872762	257.38144	-48.87276	257.38144	48.872762	-257.3814	-48.87276	-257.3814

48.931997	256.11615	-48.932	256.11615	48.931997	-256.1161	-48.932	-256.1161
49.008629	254.85643	-49.00863	254.85643	49.008629	-254.8564	-49.00863	-254.8564
49.103648	253.6029	-49.10365	253.6029	49.103648	-253.6029	-49.10365	-253.6029
49.218036	252.3562	-49.21804	252.3562	49.218036	-252.3562	-49.21804	-252.3562
49.35277	251.11698	-49.35277	251.11698	49.35277	-251.117	-49.35277	-251.117
49.508821	249.8859	-49.50882	249.8859	49.508821	-249.8859	-49.50882	-249.8859
49.687154	248.66361	-49.68715	248.66361	49.687154	-248.6636	-49.68715	-248.6636
49.888727	247.4508	-49.88873	247.4508	49.888727	-247.4508	-49.88873	-247.4508
50.114493	246.24815	-50.11449	246.24815	50.114493	-246.2482	-50.11449	-246.2482
50.364991	245.05616	-50.36499	245.05616	50.364991	-245.0562	-50.36499	-245.0562
50.639132	243.87448	-50.63913	243.87448	50.639132	-243.8745	-50.63913	-243.8745
50.935426	242.70255	-50.93543	242.70255	50.935426	-242.7025	-50.93543	-242.7025
51.252391	241.53978	-51.25239	241.53978	51.252391	-241.5398	-51.25239	-241.5398
51.588551	240.38559	-51.58855	240.38559	51.588551	-240.3856	-51.58855	-240.3856
51.942438	239.23936	-51.94244	239.23936	51.942438	-239.2394	-51.94244	-239.2394
52.312588	238.10048	-52.31259	238.10048	52.312588	-238.1005	-52.31259	-238.1005
52.697549	236.96829	-52.69755	236.96829	52.697549	-236.9683	-52.69755	-236.9683
53.095872	235.84215	-53.09587	235.84215	53.095872	-235.8421	-53.09587	-235.8421
53.506118	234.72138	-53.50612	234.72138	53.506118	-234.7214	-53.50612	-234.7214
53.926855	233.60531	-53.92686	233.60531	53.926855	-233.6053	-53.92686	-233.6053
54.356658	232.49323	-54.35666	232.49323	54.356658	-232.4932	-54.35666	-232.4932
54.794111	231.38442	-54.79411	231.38442	54.794111	-231.3844	-54.79411	-231.3844
55.237803	230.27817	-55.2378	230.27817	55.237803	-230.2782	-55.2378	-230.2782
55.686335	229.17373	-55.68633	229.17373	55.686335	-229.1737	-55.68633	-229.1737
56.138312	228.07034	-56.13831	228.07034	56.138312	-228.0703	-56.13831	-228.0703
56.59235	226.96722	-56.59235	226.96722	56.59235	-226.9672	-56.59235	-226.9672
57.047072	225.8636	-57.04707	225.8636	57.047072	-225.8636	-57.04707	-225.8636
57.501109	224.75867	-57.50111	224.75867	57.501109	-224.7587	-57.50111	-224.7587
57.9531	223.65161	-57.9531	223.65161	57.9531	-223.6516	-57.9531	-223.6516
58.401695	222.5416	-58.40169	222.5416	58.401695	-222.5416	-58.40169	-222.5416
58.845549	221.42779	-58.84555	221.42779	58.845549	-221.4278	-58.84555	-221.4278
59.283328	220.30932	-59.28333	220.30932	59.283328	-220.3093	-59.28333	-220.3093
59.713707	219.18532	-59.71371	219.18532	59.713707	-219.1853	-59.71371	-219.1853
60.135368	218.05491	-60.13537	218.05491	60.135368	-218.0549	-60.13537	-218.0549
60.547003	216.91718	-60.547	216.91718	60.547003	-216.9172	-60.547	-216.9172
60.947314	215.77122	-60.94731	215.77122	60.947314	-215.7712	-60.94731	-215.7712
61.33501	214.61611	-61.33501	214.61611	61.33501	-214.6161	-61.33501	-214.6161
61.70881	213.45089	-61.70881	213.45089	61.70881	-213.4509	-61.70881	-213.4509
62.067444	212.27462	-62.06744	212.27462	62.067444	-212.2746	-62.06744	-212.2746
62.410216	211.08667	-62.41022	211.08667	62.410216	-211.0867	-62.41022	-211.0867
62.738703	209.88782	-62.7387	209.88782	62.738703	-209.8878	-62.7387	-209.8878
63.055037	208.67921	-63.05504	208.67921	63.055037	-208.6792	-63.05504	-208.6792
63.361338	207.46202	-63.36134	207.46202	63.361338	-207.462	-63.36134	-207.462
63.659712	206.23742	-63.65971	206.23742	63.659712	-206.2374	-63.65971	-206.2374
63.952255	205.00664	-63.95225	205.00664	63.952255	-205.0066	-63.95225	-205.0066
64.241046	203.77091	-64.24105	203.77091	64.241046	-203.7709	-64.24105	-203.7709
64.528155	202.53147	-64.52815	202.53147	64.528155	-202.5315	-64.52815	-202.5315
64.815634	201.2896	-64.81563	201.2896	64.815634	-201.2896	-64.81563	-201.2896
65.105526	200.0466	-65.10553	200.0466	65.105526	-200.0466	-65.10553	-200.0466
65.399856	198.80378	-65.39986	198.80378	65.399856	-198.8038	-65.39986	-198.8038
65.700639	197.5625	-65.70064	197.5625	65.700639	-197.5625	-65.70064	-197.5625
66.009875	196.32409	-66.00987	196.32409	66.009875	-196.3241	-66.00987	-196.3241
66.329547	195.08995	-66.32955	195.08995	66.329547	-195.09	-66.32955	-195.09
66.661628	193.86148	-66.66163	193.86148	66.661628	-193.8615	-66.66163	-193.8615
67.008075	192.6401	-67.00807	192.6401	67.008075	-192.6401	-67.00807	-192.6401
67.370829	191.42725	-67.37083	191.42725	67.370829	-191.4272	-67.37083	-191.4272
67.751819	190.2244	-67.75182	190.2244	67.751819	-190.2244	-67.75182	-190.2244
68.152957	189.03302	-68.15296	189.03302	68.152957	-189.033	-68.15296	-189.033
68.576142	187.85464	-68.57614	187.85464	68.576142	-187.8546	-68.57614	-187.8546
69.023256	186.69076	-69.02326	186.69076	69.023256	-186.6908	-69.02326	-186.6908

69.496168	185.54294	-69.49617	185.54294	69.496168	-185.5429	-69.49617	-185.5429
69.99673	184.41274	-69.99673	184.41274	69.99673	-184.4127	-69.99673	-184.4127
70.526779	183.30175	-70.52678	183.30175	70.526779	-183.3017	-70.52678	-183.3017
71.088137	182.21156	-71.08814	182.21156	71.088137	-182.2116	-71.08814	-182.2116
71.68261	181.14382	-71.68261	181.14382	71.68261	-181.1438	-71.68261	-181.1438
72.311988	180.10015	-72.31199	180.10015	72.311988	-180.1002	-72.31199	-180.1002
72.978045	179.08223	-72.97804	179.08223	72.978045	-179.0822	-72.97804	-179.0822
73.682539	178.09174	-73.68254	178.09174	73.682539	-178.0917	-73.68254	-178.0917
74.427212	177.13039	-74.42721	177.13039	74.427212	-177.1304	-74.42721	-177.1304
75.213135	176.19941	-75.21314	176.19941	75.213135	-176.1994	-75.21314	-176.1994
76.038755	175.29815	-76.03875	175.29815	76.038755	-175.2981	-76.03875	-175.2981
76.901873	174.42544	-76.90187	174.42544	76.901873	-174.4254	-76.90187	-174.4254
77.800306	173.5801	-77.80031	173.5801	77.800306	-173.5801	-77.80031	-173.5801
78.731885	172.76094	-78.73188	172.76094	78.731885	-172.7609	-78.73188	-172.7609
79.694453	171.96672	-79.69445	171.96672	79.694453	-171.9667	-79.69445	-171.9667
80.685869	171.1962	-80.68587	171.1962	80.685869	-171.1962	-80.68587	-171.1962
81.704006	170.44812	-81.70401	170.44812	81.704006	-170.4481	-81.70401	-170.4481
82.746752	169.72117	-82.74675	169.72117	82.746752	-169.7212	-82.74675	-169.7212
83.812008	169.01406	-83.81201	169.01406	83.812008	-169.0141	-83.81201	-169.0141
84.89769	168.32545	-84.89769	168.32545	84.89769	-168.3255	-84.89769	-168.3255
86.00173	167.65399	-86.00173	167.65399	86.00173	-167.654	-86.00173	-167.654
87.122074	166.9983	-87.12207	166.9983	87.122074	-166.9983	-87.12207	-166.9983
88.256684	166.357	-88.25668	166.357	88.256684	-166.357	-88.25668	-166.357
89.403537	165.72866	-89.40354	165.72866	89.403537	-165.7287	-89.40354	-165.7287
90.560625	165.11185	-90.56062	165.11185	90.560625	-165.1119	-90.56062	-165.1119
91.725955	164.50512	-91.72596	164.50512	91.725955	-164.5051	-91.72596	-164.5051
92.897552	163.90698	-92.89755	163.90698	92.897552	-163.907	-92.89755	-163.907
94.073453	163.31595	-94.07345	163.31595	94.073453	-163.3159	-94.07345	-163.3159
95.251715	162.73049	-95.25172	162.73049	95.251715	-162.7305	-95.25172	-162.7305
96.430409	162.14909	-96.43041	162.14909	96.430409	-162.1491	-96.43041	-162.1491
97.607622	161.57017	-97.60762	161.57017	97.607622	-161.5702	-97.60762	-161.5702
98.781457	160.99217	-98.78146	160.99217	98.781457	-160.9922	-98.78146	-160.9922
99.950035	160.41347	-99.95003	160.41347	99.950035	-160.4135	-99.95003	-160.4135
101.11149	159.83248	-101.1115	159.83248	101.11149	-159.8325	-101.1115	-159.8325
102.26398	159.24755	-102.264	159.24755	102.26398	-159.2476	-102.264	-159.2476
103.40568	158.65702	-103.4057	158.65702	103.40568	-158.657	-103.4057	-158.657
104.53476	158.05923	-104.5348	158.05923	104.53476	-158.0592	-104.5348	-158.0592
105.64944	157.45247	-105.6494	157.45247	105.64944	-157.4525	-105.6494	-157.4525
106.74794	156.83503	-106.7479	156.83503	106.74794	-156.835	-106.7479	-156.835
107.82889	156.20553	-107.8289	156.20553	107.82889	-156.2055	-107.8289	-156.2055
108.89255	155.56394	-108.8926	155.56394	108.89255	-155.5639	-108.8926	-155.5639
109.93957	154.91058	-109.9396	154.91058	109.93957	-154.9106	-109.9396	-154.9106
110.97059	154.24578	-110.9706	154.24578	110.97059	-154.2458	-110.9706	-154.2458
111.98625	153.56989	-111.9863	153.56989	111.98625	-153.5699	-111.9863	-153.5699
112.98719	152.88323	-112.9872	152.88323	112.98719	-152.8832	-112.9872	-152.8832
113.97405	152.18617	-113.974	152.18617	113.97405	-152.1862	-113.974	-152.1862
114.94744	151.47905	-114.9474	151.47905	114.94744	-151.479	-114.9474	-151.479
115.908	150.76224	-115.908	150.76224	115.908	-150.7622	-115.908	-150.7622
116.85634	150.03609	-116.8563	150.03609	116.85634	-150.0361	-116.8563	-150.0361
117.79309	149.301	-117.7931	149.301	117.79309	-149.301	-117.7931	-149.301
118.71884	148.55733	-118.7188	148.55733	118.71884	-148.5573	-118.7188	-148.5573
119.63421	147.80546	-119.6342	147.80546	119.63421	-147.8055	-119.6342	-147.8055
120.53979	147.0458	-120.5398	147.0458	120.53979	-147.0458	-120.5398	-147.0458
121.4362	146.27873	-121.4362	146.27873	121.4362	-146.2787	-121.4362	-146.2787
122.32401	145.50466	-122.324	145.50466	122.32401	-145.5047	-122.324	-145.5047
123.20381	144.724	-123.2038	144.724	123.20381	-144.724	-123.2038	-144.724
124.07619	143.93716	-124.0762	143.93716	124.07619	-143.9372	-124.0762	-143.9372
124.94173	143.14456	-124.9417	143.14456	124.94173	-143.1446	-124.9417	-143.1446
125.801	142.34663	-125.801	142.34663	125.801	-142.3466	-125.801	-142.3466
126.65457	141.54379	-126.6546	141.54379	126.65457	-141.5438	-126.6546	-141.5438



127.50301	140.73649	-127.503	140.73649	127.50301	-140.7365	-127.503	-140.7365
128.34687	139.92517	-128.3469	139.92517	128.34687	-139.9252	-128.3469	-139.9252
129.1867	139.11027	-129.1867	139.11027	129.1867	-139.1103	-129.1867	-139.1103
130.02306	138.29226	-130.0231	138.29226	130.02306	-138.2923	-130.0231	-138.2923
130.8565	137.47158	-130.8565	137.47158	130.8565	-137.4716	-130.8565	-137.4716
131.68754	136.64871	-131.6875	136.64871	131.68754	-136.6487	-131.6875	-136.6487
132.51673	135.82411	-132.5167	135.82411	132.51673	-135.8241	-132.5167	-135.8241
133.3446	134.99826	-133.3446	134.99826	133.3446	-134.9983	-133.3446	-134.9983
134.17166	134.17165	-134.1717	134.17165	134.17166	-134.1716	-134.1717	-134.1716
134.99828	133.34459	-134.9983	133.34459	134.99828	-133.3446	-134.9983	-133.3446
135.82412	132.51672	-135.8241	132.51672	135.82412	-132.5167	-135.8241	-132.5167
136.64872	131.68753	-136.6487	131.68753	136.64872	-131.6875	-136.6487	-131.6875
137.47159	130.85649	-137.4716	130.85649	137.47159	-130.8565	-137.4716	-130.8565
138.29227	130.02305	-138.2923	130.02305	138.29227	-130.0231	-138.2923	-130.0231
139.11029	129.18669	-139.1103	129.18669	139.11029	-129.1867	-139.1103	-129.1867
139.92518	128.34685	-139.9252	128.34685	139.92518	-128.3469	-139.9252	-128.3469
140.73651	127.503	-140.7365	127.503	140.73651	-127.503	-140.7365	-127.503
141.54381	126.65456	-141.5438	126.65456	141.54381	-126.6546	-141.5438	-126.6546
142.34664	125.80099	-142.3466	125.80099	142.34664	-125.801	-142.3466	-125.801
143.14457	124.94172	-143.1446	124.94172	143.14457	-124.9417	-143.1446	-124.9417
143.93717	124.07618	-143.9372	124.07618	143.93717	-124.0762	-143.9372	-124.0762
144.72401	123.2038	-144.724	123.2038	144.72401	-123.2038	-144.724	-123.2038
145.50468	122.32399	-145.5047	122.32399	145.50468	-122.324	-145.5047	-122.324
146.27874	121.43618	-146.2787	121.43618	146.27874	-121.4362	-146.2787	-121.4362
147.04581	120.53978	-147.0458	120.53978	147.04581	-120.5398	-147.0458	-120.5398
147.80547	119.6342	-147.8055	119.6342	147.80547	-119.6342	-147.8055	-119.6342
148.55734	118.71883	-148.5573	118.71883	148.55734	-118.7188	-148.5573	-118.7188
149.30101	117.79307	-149.301	117.79307	149.30101	-117.7931	-149.301	-117.7931
150.0361	116.85633	-150.0361	116.85633	150.0361	-116.8563	-150.0361	-116.8563
150.76225	115.90799	-150.7622	115.90799	150.76225	-115.908	-150.7622	-115.908
151.47906	114.94743	-151.4791	114.94743	151.47906	-114.9474	-151.4791	-114.9474
152.18618	113.97403	-152.1862	113.97403	152.18618	-113.974	-152.1862	-113.974
152.88324	112.98718	-152.8832	112.98718	152.88324	-112.9872	-152.8832	-112.9872
153.5699	111.98624	-153.5699	111.98624	153.5699	-111.9862	-153.5699	-111.9862
154.24579	110.97057	-154.2458	110.97057	154.24579	-110.9706	-154.2458	-110.9706
154.91059	109.93955	-154.9106	109.93955	154.91059	-109.9396	-154.9106	-109.9396
155.56395	108.89254	-155.5639	108.89254	155.56395	-108.8925	-155.5639	-108.8925
156.20554	107.82888	-156.2055	107.82888	156.20554	-107.8289	-156.2055	-107.8289
156.83504	106.74792	-156.835	106.74792	156.83504	-106.7479	-156.835	-106.7479
157.45248	105.64943	-157.4525	105.64943	157.45248	-105.6494	-157.4525	-105.6494
158.05924	104.53475	-158.0592	104.53475	158.05924	-104.5347	-158.0592	-104.5347
158.65703	103.40566	-158.657	103.40566	158.65703	-103.4057	-158.657	-103.4057
159.24756	102.26397	-159.2476	102.26397	159.24756	-102.264	-159.2476	-102.264
159.83249	101.11148	-159.8325	101.11148	159.83249	-101.1115	-159.8325	-101.1115
160.41348	99.950018	-160.4135	99.950018	160.41348	-99.95002	-160.4135	-99.95002
160.99217	98.78144	-160.9922	98.78144	160.99217	-98.78144	-160.9922	-98.78144
161.57018	97.607604	-161.5702	97.607604	161.57018	-97.6076	-161.5702	-97.6076
162.1491	96.430392	-162.1491	96.430392	162.1491	-96.43039	-162.1491	-96.43039
162.7305	95.251698	-162.7305	95.251698	162.7305	-95.2517	-162.7305	-95.2517
163.31595	94.073436	-163.316	94.073436	163.31595	-94.07344	-163.316	-94.07344
163.90699	92.897535	-163.907	92.897535	163.90699	-92.89753	-163.907	-92.89753
164.50513	91.725938	-164.5051	91.725938	164.50513	-91.72594	-164.5051	-91.72594
165.11186	90.560608	-165.1119	90.560608	165.11186	-90.56061	-165.1119	-90.56061
165.72867	89.40352	-165.7287	89.40352	165.72867	-89.40352	-165.7287	-89.40352
166.35701	88.256668	-166.357	88.256668	166.35701	-88.25667	-166.357	-88.25667
166.99831	87.122058	-166.9983	87.122058	166.99831	-87.12206	-166.9983	-87.12206
167.654	86.001713	-167.654	86.001713	167.654	-86.00171	-167.654	-86.00171
168.32546	84.897674	-168.3255	84.897674	168.32546	-84.89767	-168.3255	-84.89767
169.01407	83.811992	-169.0141	83.811992	169.01407	-83.81199	-169.0141	-83.81199
169.72118	82.746737	-169.7212	82.746737	169.72118	-82.74674	-169.7212	-82.74674

170.44813	81.703992	-170.4481	81.703992	170.44813	-81.70399	-170.4481	-81.70399
171.19621	80.685855	-171.1962	80.685855	171.19621	-80.68585	-171.1962	-80.68585
171.96673	79.694439	-171.9667	79.694439	171.96673	-79.69444	-171.9667	-79.69444
172.76095	78.731871	-172.761	78.731871	172.76095	-78.73187	-172.761	-78.73187
173.58012	77.800293	-173.5801	77.800293	173.58012	-77.80029	-173.5801	-77.80029
174.42545	76.90186	-174.4255	76.90186	174.42545	-76.90186	-174.4255	-76.90186
175.29816	76.038742	-175.2982	76.038742	175.29816	-76.03874	-175.2982	-76.03874
176.19942	75.213124	-176.1994	75.213124	176.19942	-75.21312	-176.1994	-75.21312
177.1304	74.427201	-177.1304	74.427201	177.1304	-74.4272	-177.1304	-74.4272
178.09176	73.682528	-178.0918	73.682528	178.09176	-73.68253	-178.0918	-73.68253
179.08225	72.978035	-179.0822	72.978035	179.08225	-72.97803	-179.0822	-72.97803
180.10017	72.311978	-180.1002	72.311978	180.10017	-72.31198	-180.1002	-72.31198
181.14383	71.682601	-181.1438	71.682601	181.14383	-71.6826	-181.1438	-71.6826
182.21158	71.088129	-182.2116	71.088129	182.21158	-71.08813	-182.2116	-71.08813
183.30176	70.526771	-183.3018	70.526771	183.30176	-70.52677	-183.3018	-70.52677
184.41276	69.996723	-184.4128	69.996723	184.41276	-69.99672	-184.4128	-69.99672
185.54296	69.496161	-185.543	69.496161	185.54296	-69.49616	-185.543	-69.49616
186.69078	69.02325	-186.6908	69.02325	186.69078	-69.02325	-186.6908	-69.02325
187.85465	68.576136	-187.8547	68.576136	187.85465	-68.57614	-187.8547	-68.57614
189.03304	68.152951	-189.033	68.152951	189.03304	-68.15295	-189.033	-68.15295
190.22441	67.751813	-190.2244	67.751813	190.22441	-67.75181	-190.2244	-67.75181
191.42727	67.370824	-191.4273	67.370824	191.42727	-67.37082	-191.4273	-67.37082
192.64012	67.00807	-192.6401	67.00807	192.64012	-67.00807	-192.6401	-67.00807
193.8615	66.661623	-193.8615	66.661623	193.8615	-66.66162	-193.8615	-66.66162
195.08997	66.329542	-195.09	66.329542	195.08997	-66.32954	-195.09	-66.32954
196.32411	66.00987	-196.3241	66.00987	196.32411	-66.00987	-196.3241	-66.00987
197.56251	65.700635	-197.5625	65.700635	197.56251	-65.70063	-197.5625	-65.70063
198.8038	65.399852	-198.8038	65.399852	198.8038	-65.39985	-198.8038	-65.39985
200.04662	65.105521	-200.0466	65.105521	200.04662	-65.10552	-200.0466	-65.10552
201.28962	64.81563	-201.2896	64.81563	201.28962	-64.81563	-201.2896	-64.81563
202.53148	64.52815	-202.5315	64.52815	202.53148	-64.52815	-202.5315	-64.52815
203.77092	64.241042	-203.7709	64.241042	203.77092	-64.24104	-203.7709	-64.24104
205.00666	63.95225	-205.0067	63.95225	205.00666	-63.95225	-205.0067	-63.95225
206.23744	63.659708	-206.2374	63.659708	206.23744	-63.65971	-206.2374	-63.65971
207.46203	63.361333	-207.462	63.361333	207.46203	-63.36133	-207.462	-63.36133
208.67923	63.055032	-208.6792	63.055032	208.67923	-63.05503	-208.6792	-63.05503
209.88783	62.738698	-209.8878	62.738698	209.88783	-62.7387	-209.8878	-62.7387
211.08668	62.410212	-211.0867	62.410212	211.08668	-62.41021	-211.0867	-62.41021
212.27463	62.067439	-212.2746	62.067439	212.27463	-62.06744	-212.2746	-62.06744
213.45091	61.708805	-213.4509	61.708805	213.45091	-61.70881	-213.4509	-61.70881
214.61613	61.335004	-214.6161	61.335004	214.61613	-61.335	-214.6161	-61.335
215.77124	60.947308	-215.7712	60.947308	215.77124	-60.94731	-215.7712	-60.94731
216.9172	60.546998	-216.9172	60.546998	216.9172	-60.547	-216.9172	-60.547
218.05493	60.135362	-218.0549	60.135362	218.05493	-60.13536	-218.0549	-60.13536
219.18534	59.713701	-219.1853	59.713701	219.18534	-59.7137	-219.1853	-59.7137
220.30934	59.283322	-220.3093	59.283322	220.30934	-59.28332	-220.3093	-59.28332
221.4278	58.845542	-221.4278	58.845542	221.4278	-58.84554	-221.4278	-58.84554
222.54161	58.401688	-222.5416	58.401688	222.54161	-58.40169	-222.5416	-58.40169
223.65163	57.953093	-223.6516	57.953093	223.65163	-57.95309	-223.6516	-57.95309
224.75868	57.501102	-224.7587	57.501102	224.75868	-57.5011	-224.7587	-57.5011
225.86362	57.047065	-225.8636	57.047065	225.86362	-57.04707	-225.8636	-57.04707
226.96724	56.592344	-226.9672	56.592344	226.96724	-56.59234	-226.9672	-56.59234
228.07035	56.138306	-228.0704	56.138306	228.07035	-56.13831	-228.0704	-56.13831
229.17375	55.686328	-229.1737	55.686328	229.17375	-55.68633	-229.1737	-55.68633
230.27819	55.237797	-230.2782	55.237797	230.27819	-55.2378	-230.2782	-55.2378
231.38444	54.794104	-231.3844	54.794104	231.38444	-54.7941	-231.3844	-54.7941
232.49324	54.356652	-232.4932	54.356652	232.49324	-54.35665	-232.4932	-54.35665
233.60532	53.926849	-233.6053	53.926849	233.60532	-53.92685	-233.6053	-53.92685
234.7214	53.506112	-234.7214	53.506112	234.7214	-53.50611	-234.7214	-53.50611
235.84216	53.095866	-235.8422	53.095866	235.84216	-53.09587	-235.8422	-53.09587

236.96831	52.697543	-236.9683	52.697543	236.96831	-52.69754	-236.9683	-52.69754
238.10049	52.312583	-238.1005	52.312583	238.10049	-52.31258	-238.1005	-52.31258
239.23938	51.942432	-239.2394	51.942432	239.23938	-51.94243	-239.2394	-51.94243
240.38561	51.588546	-240.3856	51.588546	240.38561	-51.58855	-240.3856	-51.58855
241.5398	51.252386	-241.5398	51.252386	241.5398	-51.25239	-241.5398	-51.25239
242.70256	50.935422	-242.7026	50.935422	242.70256	-50.93542	-242.7026	-50.93542
243.8745	50.639127	-243.8745	50.639127	243.8745	-50.63913	-243.8745	-50.63913
245.05618	50.364987	-245.0562	50.364987	245.05618	-50.36499	-245.0562	-50.36499
246.24817	50.11449	-246.2482	50.11449	246.24817	-50.11449	-246.2482	-50.11449
247.45082	49.888724	-247.4508	49.888724	247.45082	-49.88872	-247.4508	-49.88872
248.66363	49.687152	-248.6636	49.687152	248.66363	-49.68715	-248.6636	-49.68715
249.88591	49.508819	-249.8859	49.508819	249.88591	-49.50882	-249.8859	-49.50882
251.117	49.352768	-251.117	49.352768	251.117	-49.35277	-251.117	-49.35277
252.35622	49.218034	-252.3562	49.218034	252.35622	-49.21803	-252.3562	-49.21803
253.60292	49.103647	-253.6029	49.103647	253.60292	-49.10365	-253.6029	-49.10365
254.85644	49.008628	-254.8564	49.008628	254.85644	-49.00863	-254.8564	-49.00863
256.11617	48.931996	-256.1162	48.931996	256.11617	-48.932	-256.1162	-48.932
257.38146	48.872762	-257.3815	48.872762	257.38146	-48.87276	-257.3815	-48.87276
258.65171	48.82993	-258.6517	48.82993	258.65171	-48.82993	-258.6517	-48.82993
259.92631	48.802501	-259.9263	48.802501	259.92631	-48.8025	-259.9263	-48.8025
261.20467	48.789468	-261.2047	48.789468	261.20467	-48.78947	-261.2047	-48.78947
262.48621	48.78982	-262.4862	48.78982	262.48621	-48.78982	-262.4862	-48.78982
263.77035	48.80254	-263.7704	48.80254	263.77035	-48.80254	-263.7704	-48.80254
265.05654	48.826604	-265.0565	48.826604	265.05654	-48.8266	-265.0565	-48.8266
266.34423	48.860984	-266.3442	48.860984	266.34423	-48.86098	-266.3442	-48.86098
267.63288	48.904647	-267.6329	48.904647	267.63288	-48.90465	-267.6329	-48.90465
268.92195	48.956554	-268.922	48.956554	268.92195	-48.95655	-268.922	-48.95655
270.21094	49.015661	-270.2109	49.015661	270.21094	-49.01566	-270.2109	-49.01566
271.49934	49.080918	-271.4993	49.080918	271.49934	-49.08092	-271.4993	-49.08092
272.78664	49.151272	-272.7866	49.151272	272.78664	-49.15127	-272.7866	-49.15127
274.07238	49.225663	-274.0724	49.225663	274.07238	-49.22566	-274.0724	-49.22566
275.35607	49.303028	-275.3561	49.303028	275.35607	-49.30303	-275.3561	-49.30303
276.63725	49.382296	-276.6373	49.382296	276.63725	-49.3823	-276.6373	-49.3823
277.91548	49.462394	-277.9155	49.462394	277.91548	-49.46239	-277.9155	-49.46239
279.19031	49.542245	-279.1903	49.542245	279.19031	-49.54224	-279.1903	-49.54224
280.46131	49.620764	-280.4613	49.620764	280.46131	-49.62076	-280.4613	-49.62076
281.72807	49.696864	-281.7281	49.696864	281.72807	-49.69686	-281.7281	-49.69686
282.99018	49.769453	-282.9902	49.769453	282.99018	-49.76945	-282.9902	-49.76945
284.24725	49.837435	-284.2473	49.837435	284.24725	-49.83743	-284.2473	-49.83743
285.49898	49.899923	-285.499	49.899923	285.49898	-49.89992	-285.499	-49.89992
286.74544	49.95689	-286.7454	49.95689	286.74544	-49.95689	-286.7454	-49.95689
287.98679	50.008524	-287.9868	50.008524	287.98679	-50.00852	-287.9868	-50.00852
289.22316	50.055016	-289.2232	50.055016	289.22316	-50.05502	-289.2232	-50.05502
290.45472	50.096555	-290.4547	50.096555	290.45472	-50.09656	-290.4547	-50.09656
291.6816	50.133335	-291.6816	50.133335	291.6816	-50.13333	-291.6816	-50.13333
292.90396	50.165548	-292.904	50.165548	292.90396	-50.16555	-292.904	-50.16555
294.12193	50.19339	-294.1219	50.19339	294.12193	-50.19339	-294.1219	-50.19339
295.33566	50.217057	-295.3357	50.217057	295.33566	-50.21706	-295.3357	-50.21706
296.54528	50.236745	-296.5453	50.236745	296.54528	-50.23674	-296.5453	-50.23674
297.75093	50.252653	-297.7509	50.252653	297.75093	-50.25265	-297.7509	-50.25265
298.95274	50.26498	-298.9527	50.26498	298.95274	-50.26498	-298.9527	-50.26498
300.15084	50.273928	-300.1508	50.273928	300.15084	-50.27393	-300.1508	-50.27393
301.34537	50.279698	-301.3454	50.279698	301.34537	-50.2797	-301.3454	-50.2797
302.53644	50.282493	-302.5364	50.282493	302.53644	-50.28249	-302.5364	-50.28249
303.72419	50.282517	-303.7242	50.282517	303.72419	-50.28252	-303.7242	-50.28252
304.90873	50.279976	-304.9087	50.279976	304.90873	-50.27998	-304.9087	-50.27998
306.09019	50.275076	-306.0902	50.275076	306.09019	-50.27508	-306.0902	-50.27508
307.26867	50.268024	-307.2687	50.268024	307.26867	-50.26802	-307.2687	-50.26802
308.44431	50.259029	-308.4443	50.259029	308.44431	-50.25903	-308.4443	-50.25903
309.61721	50.248301	-309.6172	50.248301	309.61721	-50.2483	-309.6172	-50.2483



310.78748	50.236049	-310.7875	50.236049	310.78748	-50.23605	-310.7875	-50.23605
311.95522	50.222486	-311.9552	50.222486	311.95522	-50.22249	-311.9552	-50.22249
313.12056	50.207825	-313.1206	50.207825	313.12056	-50.20782	-313.1206	-50.20782
314.28358	50.192278	-314.2836	50.192278	314.28358	-50.19228	-314.2836	-50.19228
315.44439	50.17606	-315.4444	50.17606	315.44439	-50.17606	-315.4444	-50.17606
316.60309	50.159387	-316.6031	50.159387	316.60309	-50.15939	-316.6031	-50.15939
317.75978	50.142476	-317.7598	50.142476	317.75978	-50.14248	-317.7598	-50.14248
318.91455	50.125543	-318.9145	50.125543	318.91455	-50.12554	-318.9145	-50.12554
320.06749	50.108808	-320.0675	50.108808	320.06749	-50.10881	-320.0675	-50.10881
321.21868	50.092452	-321.2187	50.092452	321.21868	-50.09245	-321.2187	-50.09245
322.36815	50.076511	-322.3681	50.076511	322.36815	-50.07651	-322.3681	-50.07651
323.51591	50.060984	-323.5159	50.060984	323.51591	-50.06098	-323.5159	-50.06098
324.66199	50.04587	-324.662	50.04587	324.66199	-50.04587	-324.662	-50.04587
325.80639	50.031169	-325.8064	50.031169	325.80639	-50.03117	-325.8064	-50.03117
326.94914	50.01688	-326.9491	50.01688	326.94914	-50.01688	-326.9491	-50.01688
328.09025	50.003003	-328.0902	50.003003	328.09025	-50.003	-328.0902	-50.003
329.22973	49.989537	-329.2297	49.989537	329.22973	-49.98954	-329.2297	-49.98954
330.36761	49.976482	-330.3676	49.976482	330.36761	-49.97648	-330.3676	-49.97648
331.5039	49.963838	-331.5039	49.963838	331.5039	-49.96384	-331.5039	-49.96384
332.63862	49.951605	-332.6386	49.951605	332.63862	-49.95161	-332.6386	-49.95161
333.77178	49.939783	-333.7718	49.939783	333.77178	-49.93978	-333.7718	-49.93978
334.90339	49.928373	-334.9034	49.928373	334.90339	-49.92837	-334.9034	-49.92837
336.03348	49.917375	-336.0335	49.917375	336.03348	-49.91738	-336.0335	-49.91738
337.16206	49.90679	-337.1621	49.90679	337.16206	-49.90679	-337.1621	-49.90679
338.28914	49.896617	-338.2891	49.896617	338.28914	-49.89662	-338.2891	-49.89662
339.41475	49.886859	-339.4147	49.886859	339.41475	-49.88686	-339.4147	-49.88686
340.53889	49.877515	-340.5389	49.877515	340.53889	-49.87752	-340.5389	-49.87752
341.66158	49.868588	-341.6616	49.868588	341.66158	-49.86859	-341.6616	-49.86859
342.78284	49.860077	-342.7828	49.860077	342.78284	-49.86008	-342.7828	-49.86008
343.90269	49.851984	-343.9027	49.851984	343.90269	-49.85198	-343.9027	-49.85198
345.02113	49.844312	-345.0211	49.844312	345.02113	-49.84431	-345.0211	-49.84431
346.13819	49.83706	-346.1382	49.83706	346.13819	-49.83706	-346.1382	-49.83706
347.25388	49.830231	-347.2539	49.830231	347.25388	-49.83023	-347.2539	-49.83023
348.36821	49.823827	-348.3682	49.823827	348.36821	-49.82383	-348.3682	-49.82383
349.48121	49.817849	-349.4812	49.817849	349.48121	-49.81785	-349.4812	-49.81785
350.59287	49.812299	-350.5929	49.812299	350.59287	-49.8123	-350.5929	-49.8123
351.70323	49.80718	-351.7032	49.80718	351.70323	-49.80718	-351.7032	-49.80718
352.81229	49.802493	-352.8123	49.802493	352.81229	-49.80249	-352.8123	-49.80249
353.92007	49.798241	-353.9201	49.798241	353.92007	-49.79824	-353.9201	-49.79824
355.02659	49.794425	-355.0266	49.794425	355.02659	-49.79442	-355.0266	-49.79442
356.13185	49.791045	-356.1319	49.791045	356.13185	-49.79105	-356.1319	-49.79105
357.23588	49.788101	-357.2359	49.788101	357.23588	-49.7881	-357.2359	-49.7881
358.33868	49.785591	-358.3387	49.785591	358.33868	-49.78559	-358.3387	-49.78559
359.44027	49.783514	-359.4403	49.783514	359.44027	-49.78351	-359.4403	-49.78351
360.54066	49.781871	-360.5407	49.781871	360.54066	-49.78187	-360.5407	-49.78187
361.63987	49.78066	-361.6399	49.78066	361.63987	-49.78066	-361.6399	-49.78066
362.73792	49.77988	-362.7379	49.77988	362.73792	-49.77988	-362.7379	-49.77988
363.8348	49.779532	-363.8348	49.779532	363.8348	-49.77953	-363.8348	-49.77953
364.93055	49.779616	-364.9305	49.779616	364.93055	-49.77962	-364.9305	-49.77962
366.02516	49.78013	-366.0252	49.78013	366.02516	-49.78013	-366.0252	-49.78013
367.11866	49.781075	-367.1187	49.781075	367.11866	-49.78108	-367.1187	-49.78108
368.21106	49.782452	-368.2111	49.782452	368.21106	-49.78245	-368.2111	-49.78245
369.30237	49.78426	-369.3024	49.78426	369.30237	-49.78426	-369.3024	-49.78426
370.3926	49.786499	-370.3926	49.786499	370.3926	-49.7865	-370.3926	-49.7865
371.48177	49.78917	-371.4818	49.78917	371.48177	-49.78917	-371.4818	-49.78917
372.56989	49.792273	-372.5699	49.792273	372.56989	-49.79227	-372.5699	-49.79227
373.65698	49.795809	-373.657	49.795809	373.65698	-49.79581	-373.657	-49.79581
374.74305	49.799778	-374.743	49.799778	374.74305	-49.79978	-374.743	-49.79978
375.8281	49.804181	-375.8281	49.804181	375.8281	-49.80418	-375.8281	-49.80418
376.91216	49.809019	-376.9122	49.809019	376.91216	-49.80902	-376.9122	-49.80902

377.99524	49.814293	-377.9952	49.814293	377.99524	-49.81429	-377.9952	-49.81429
379.07735	49.820004	-379.0773	49.820004	379.07735	-49.82	-379.0773	-49.82
380.1585	49.826152	-380.1585	49.826152	380.1585	-49.82615	-380.1585	-49.82615
381.2387	49.83274	-381.2387	49.83274	381.2387	-49.83274	-381.2387	-49.83274
382.31798	49.839768	-382.318	49.839768	382.31798	-49.83977	-382.318	-49.83977
383.39633	49.847238	-383.3963	49.847238	383.39633	-49.84724	-383.3963	-49.84724
384.47378	49.855151	-384.4738	49.855151	384.47378	-49.85515	-384.4738	-49.85515
385.55034	49.863509	-385.5503	49.863509	385.55034	-49.86351	-385.5503	-49.86351
386.62601	49.872313	-386.626	49.872313	386.62601	-49.87231	-386.626	-49.87231
387.70082	49.881556	-387.7008	49.881556	387.70082	-49.88156	-387.7008	-49.88156
388.77476	49.891188	-388.7748	49.891188	388.77476	-49.89119	-388.7748	-49.89119
389.84784	49.901153	-389.8478	49.901153	389.84784	-49.90115	-389.8478	-49.90115
390.92007	49.911392	-390.9201	49.911392	390.92007	-49.91139	-390.9201	-49.91139
391.99144	49.921847	-391.9914	49.921847	391.99144	-49.92185	-391.9914	-49.92185
393.06197	49.93246	-393.062	49.93246	393.06197	-49.93246	-393.062	-49.93246
394.13166	49.943172	-394.1317	49.943172	394.13166	-49.94317	-394.1317	-49.94317
395.20052	49.953927	-395.2005	49.953927	395.20052	-49.95393	-395.2005	-49.95393
396.26855	49.964665	-396.2686	49.964665	396.26855	-49.96466	-396.2686	-49.96466
397.33577	49.975329	-397.3358	49.975329	397.33577	-49.97533	-397.3358	-49.97533
398.40217	49.98586	-398.4022	49.98586	398.40217	-49.98586	-398.4022	-49.98586
399.46778	49.996202	-399.4678	49.996202	399.46778	-49.9962	-399.4678	-49.9962
400.5326	50.006296	-400.5326	50.006296	400.5326	-50.0063	-400.5326	-50.0063
401.59664	50.016084	-401.5966	50.016084	401.59664	-50.01608	-401.5966	-50.01608
402.65991	50.025508	-402.6599	50.025508	402.65991	-50.02551	-402.6599	-50.02551
403.72243	50.034511	-403.7224	50.034511	403.72243	-50.03451	-403.7224	-50.03451
404.7842	50.043034	-404.7842	50.043034	404.7842	-50.04303	-404.7842	-50.04303
405.84524	50.051021	-405.8452	50.051021	405.84524	-50.05102	-405.8452	-50.05102
406.90555	50.058413	-406.9056	50.058413	406.90555	-50.05841	-406.9056	-50.05841
407.96517	50.065153	-407.9652	50.065153	407.96517	-50.06515	-407.9652	-50.06515
409.02409	50.071184	-409.0241	50.071184	409.02409	-50.07118	-409.0241	-50.07118
410.08234	50.076448	-410.0823	50.076448	410.08234	-50.07645	-410.0823	-50.07645
411.13992	50.080887	-411.1399	50.080887	411.13992	-50.08089	-411.1399	-50.08089
412.19686	50.084445	-412.1969	50.084445	412.19686	-50.08444	-412.1969	-50.08444
413.25318	50.087063	-413.2532	50.087063	413.25318	-50.08706	-413.2532	-50.08706
414.30888	50.088686	-414.3089	50.088686	414.30888	-50.08869	-414.3089	-50.08869
415.36399	50.089256	-415.364	50.089256	415.36399	-50.08926	-415.364	-50.08926
416.41853	50.088715	-416.4185	50.088715	416.41853	-50.08872	-416.4185	-50.08872
417.47251	50.087008	-417.4725	50.087008	417.47251	-50.08701	-417.4725	-50.08701
418.52595	50.084079	-418.5259	50.084079	418.52595	-50.08408	-418.5259	-50.08408
419.58442	50.152802	-419.5844	50.152802	419.58442	-50.1528	-419.5844	-50.1528
420.6412	50.209024	-420.6412	50.209024	420.6412	-50.20902	-420.6412	-50.20902
421.69646	50.253656	-421.6965	50.253656	421.69646	-50.25366	-421.6965	-50.25366
422.75036	50.287609	-422.7504	50.287609	422.75036	-50.28761	-422.7504	-50.28761
423.80307	50.311795	-423.8031	50.311795	423.80307	-50.3118	-423.8031	-50.3118
424.85473	50.32713	-424.8547	50.32713	424.85473	-50.32713	-424.8547	-50.32713
425.90549	50.334526	-425.9055	50.334526	425.90549	-50.33453	-425.9055	-50.33453
426.95547	50.3349	-426.9555	50.3349	426.95547	-50.3349	-426.9555	-50.3349
428.0048	50.329169	-428.0048	50.329169	428.0048	-50.32917	-428.0048	-50.32917
429.05358	50.318251	-429.0536	50.318251	429.05358	-50.31825	-429.0536	-50.31825
430.10192	50.303064	-430.1019	50.303064	430.10192	-50.30306	-430.1019	-50.30306
431.14991	50.284527	-431.1499	50.284527	431.14991	-50.28453	-431.1499	-50.28453
432.19763	50.263561	-432.1976	50.263561	432.19763	-50.26356	-432.1976	-50.26356
433.24515	50.241085	-433.2452	50.241085	433.24515	-50.24109	-433.2452	-50.24109
434.29254	50.218023	-434.2925	50.218023	434.29254	-50.21802	-434.2925	-50.21802
435.33984	50.195167	-435.3398	50.195167	435.33984	-50.19517	-435.3398	-50.19517
436.38707	50.172805	-436.3871	50.172805	436.38707	-50.1728	-436.3871	-50.1728
437.43426	50.151097	-437.4343	50.151097	437.43426	-50.1511	-437.4343	-50.1511
438.48141	50.130204	-438.4814	50.130204	438.48141	-50.1302	-438.4814	-50.1302
439.52853	50.110284	-439.5285	50.110284	439.52853	-50.11028	-439.5285	-50.11028
440.57565	50.0915	-440.5756	50.0915	440.57565	-50.0915	-440.5756	-50.0915

441.62276	50.074011	-441.6228	50.074011	441.62276	-50.07401	-441.6228	-50.07401
442.66987	50.057977	-442.6699	50.057977	442.66987	-50.05798	-442.6699	-50.05798
443.717	50.04356	-443.717	50.04356	443.717	-50.04356	-443.717	-50.04356
444.76413	50.03092	-444.7641	50.03092	444.76413	-50.03092	-444.7641	-50.03092
445.81128	50.020218	-445.8113	50.020218	445.81128	-50.02022	-445.8113	-50.02022
446.85845	50.011614	-446.8584	50.011614	446.85845	-50.01161	-446.8584	-50.01161
447.90563	50.005269	-447.9056	50.005269	447.90563	-50.00527	-447.9056	-50.00527
448.95282	50.001344	-448.9528	50.001344	448.95282	-50.00134	-448.9528	-50.00134
450.00002	50	-450	50	450.00002	-50	-450	-50
500	50	-500	50	500	-50	-500	-50
700	50	-700	50	700	-50	-700	-50
1000	50	-1000	50	1000	-50	-1000	-50

