

<u>T (degrees F)</u>	<u>T (degrees C)</u>	<u>R (ohms)</u>
-328.00	-200.00	185.31
-327.00	-199.44	187.72
-326.00	-198.89	190.12
-325.00	-198.33	192.51
-324.00	-197.78	194.91
-323.00	-197.22	197.31
-322.00	-196.67	199.70
-321.00	-196.11	202.10
-320.00	-195.56	204.49
-319.00	-195.00	206.88
-318.00	-194.44	209.27
-317.00	-193.89	211.66
-316.00	-193.33	214.05
-315.00	-192.78	216.44
-314.00	-192.22	218.83
-313.00	-191.67	221.21
-312.00	-191.11	223.60
-311.00	-190.56	225.98
-310.00	-190.00	228.36
-309.00	-189.44	230.74
-308.00	-188.89	233.12
-307.00	-188.33	235.50
-306.00	-187.78	237.88
-305.00	-187.22	240.26
-304.00	-186.67	242.63
-303.00	-186.11	245.01
-302.00	-185.56	247.38
-301.00	-185.00	249.76
-300.00	-184.44	252.13
-299.00	-183.89	254.50
-298.00	-183.33	256.87
-297.00	-182.78	259.24
-296.00	-182.22	261.61
-295.00	-181.67	263.97
-294.00	-181.11	266.34
-293.00	-180.56	268.70
-292.00	-180.00	271.07
-291.00	-179.44	273.43
-290.00	-178.89	275.79
-289.00	-178.33	278.15
-288.00	-177.78	280.51
-287.00	-177.22	282.87
-286.00	-176.67	285.23
-285.00	-176.11	287.58
-284.00	-175.56	289.94
-283.00	-175.00	292.30
-282.00	-174.44	294.65
-281.00	-173.89	297.00
-280.00	-173.33	299.35
-279.00	-172.78	301.71
-278.00	-172.22	304.06

-277.00	-171.67	306.40
-276.00	-171.11	308.75
-275.00	-170.56	311.10
-274.00	-170.00	313.45
-273.00	-169.44	315.79
-272.00	-168.89	318.14
-271.00	-168.33	320.48
-270.00	-167.78	322.82
-269.00	-167.22	325.16
-268.00	-166.67	327.51
-267.00	-166.11	329.84
-266.00	-165.56	332.18
-265.00	-165.00	334.52
-264.00	-164.44	336.86
-263.00	-163.89	339.20
-262.00	-163.33	341.53
-261.00	-162.78	343.86
-260.00	-162.22	346.20
-259.00	-161.67	348.53
-258.00	-161.11	350.86
-257.00	-160.56	353.19
-256.00	-160.00	355.52
-255.00	-159.44	357.85
-254.00	-158.89	360.18
-253.00	-158.33	362.51
-252.00	-157.78	364.83
-251.00	-157.22	367.16
-250.00	-156.67	369.49
-249.00	-156.11	371.81
-248.00	-155.56	374.13
-247.00	-155.00	376.45
-246.00	-154.44	378.78
-245.00	-153.89	381.10
-244.00	-153.33	383.42
-243.00	-152.78	385.73
-242.00	-152.22	388.05
-241.00	-151.67	390.37
-240.00	-151.11	392.69
-239.00	-150.56	395.00
-238.00	-150.00	397.32
-237.00	-149.44	399.63
-236.00	-148.89	401.94
-235.00	-148.33	404.26
-234.00	-147.78	406.57
-233.00	-147.22	408.88
-232.00	-146.67	411.19
-231.00	-146.11	413.50
-230.00	-145.56	415.80
-229.00	-145.00	418.11
-228.00	-144.44	420.42
-227.00	-143.89	422.72
-226.00	-143.33	425.03

-225.00	-142.78	427.33
-224.00	-142.22	429.64
-223.00	-141.67	431.94
-222.00	-141.11	434.24
-221.00	-140.56	436.54
-220.00	-140.00	438.84
-219.00	-139.44	441.14
-218.00	-138.89	443.44
-217.00	-138.33	445.74
-216.00	-137.78	448.04
-215.00	-137.22	450.33
-214.00	-136.67	452.63
-213.00	-136.11	454.92
-212.00	-135.56	457.22
-211.00	-135.00	459.51
-210.00	-134.44	461.80
-209.00	-133.89	464.10
-208.00	-133.33	466.39
-207.00	-132.78	468.68
-206.00	-132.22	470.97
-205.00	-131.67	473.26
-204.00	-131.11	475.55
-203.00	-130.56	477.83
-202.00	-130.00	480.12
-201.00	-129.44	482.41
-200.00	-128.89	484.69
-199.00	-128.33	486.98
-198.00	-127.78	489.26
-197.00	-127.22	491.54
-196.00	-126.67	493.83
-195.00	-126.11	496.11
-194.00	-125.56	498.39
-193.00	-125.00	500.67
-192.00	-124.44	502.95
-191.00	-123.89	505.23
-190.00	-123.33	507.51
-189.00	-122.78	509.79
-188.00	-122.22	512.06
-187.00	-121.67	514.34
-186.00	-121.11	516.62
-185.00	-120.56	518.89
-184.00	-120.00	521.17
-183.00	-119.44	523.44
-182.00	-118.89	525.71
-181.00	-118.33	527.98
-180.00	-117.78	530.26
-179.00	-117.22	532.53
-178.00	-116.67	534.80
-177.00	-116.11	537.07
-176.00	-115.56	539.34
-175.00	-115.00	541.60
-174.00	-114.44	543.87

-173.00	-113.89	546.14
-172.00	-113.33	548.41
-171.00	-112.78	550.67
-170.00	-112.22	552.94
-169.00	-111.67	555.20
-168.00	-111.11	557.47
-167.00	-110.56	559.73
-166.00	-110.00	561.99
-165.00	-109.44	564.25
-164.00	-108.89	566.52
-163.00	-108.33	568.78
-162.00	-107.78	571.04
-161.00	-107.22	573.30
-160.00	-106.67	575.55
-159.00	-106.11	577.81
-158.00	-105.56	580.07
-157.00	-105.00	582.33
-156.00	-104.44	584.58
-155.00	-103.89	586.84
-154.00	-103.33	589.10
-153.00	-102.78	591.35
-152.00	-102.22	593.60
-151.00	-101.67	595.86
-150.00	-101.11	598.11
-149.00	-100.56	600.36
-148.00	-100.00	602.61
-147.00	-99.44	604.87
-146.00	-98.89	607.12
-145.00	-98.33	609.37
-144.00	-97.78	611.62
-143.00	-97.22	613.86
-142.00	-96.67	616.11
-141.00	-96.11	618.36
-140.00	-95.56	620.61
-139.00	-95.00	622.85
-138.00	-94.44	625.10
-137.00	-93.89	627.34
-136.00	-93.33	629.59
-135.00	-92.78	631.83
-134.00	-92.22	634.08
-133.00	-91.67	636.32
-132.00	-91.11	638.56
-131.00	-90.56	640.80
-130.00	-90.00	643.05
-129.00	-89.44	645.29
-128.00	-88.89	647.53
-127.00	-88.33	649.77
-126.00	-87.78	652.01
-125.00	-87.22	654.24
-124.00	-86.67	656.48
-123.00	-86.11	658.72
-122.00	-85.56	660.96

-121.00	-85.00	663.19
-120.00	-84.44	665.43
-119.00	-83.89	667.67
-118.00	-83.33	669.90
-117.00	-82.78	672.14
-116.00	-82.22	674.37
-115.00	-81.67	676.60
-114.00	-81.11	678.84
-113.00	-80.56	681.07
-112.00	-80.00	683.30
-111.00	-79.44	685.53
-110.00	-78.89	687.76
-109.00	-78.33	689.99
-108.00	-77.78	692.22
-107.00	-77.22	694.45
-106.00	-76.67	696.68
-105.00	-76.11	698.91
-104.00	-75.56	701.13
-103.00	-75.00	703.36
-102.00	-74.44	705.59
-101.00	-73.89	707.81
-100.00	-73.33	710.04
-99.00	-72.78	712.27
-98.00	-72.22	714.49
-97.00	-71.67	716.71
-96.00	-71.11	718.94
-95.00	-70.56	721.16
-94.00	-70.00	723.38
-93.00	-69.44	725.61
-92.00	-68.89	727.83
-91.00	-68.33	730.05
-90.00	-67.78	732.27
-89.00	-67.22	734.49
-88.00	-66.67	736.71
-87.00	-66.11	738.93
-86.00	-65.56	741.15
-85.00	-65.00	743.37
-84.00	-64.44	745.59
-83.00	-63.89	747.80
-82.00	-63.33	750.02
-81.00	-62.78	752.24
-80.00	-62.22	754.45
-79.00	-61.67	756.67
-78.00	-61.11	758.88
-77.00	-60.56	761.10
-76.00	-60.00	763.31
-75.00	-59.44	765.53
-74.00	-58.89	767.74
-73.00	-58.33	769.95
-72.00	-57.78	772.16
-71.00	-57.22	774.38
-70.00	-56.67	776.59

-69.00	-56.11	778.80
-68.00	-55.56	781.01
-67.00	-55.00	783.22
-66.00	-54.44	785.43
-65.00	-53.89	787.64
-64.00	-53.33	789.85
-63.00	-52.78	792.06
-62.00	-52.22	794.26
-61.00	-51.67	796.47
-60.00	-51.11	798.68
-59.00	-50.56	800.88
-58.00	-50.00	803.09
-57.00	-49.44	805.30
-56.00	-48.89	807.50
-55.00	-48.33	809.71
-54.00	-47.78	811.91
-53.00	-47.22	814.12
-52.00	-46.67	816.32
-51.00	-46.11	818.52
-50.00	-45.56	820.72
-49.00	-45.00	822.93
-48.00	-44.44	825.13
-47.00	-43.89	827.33
-46.00	-43.33	829.53
-45.00	-42.78	831.73
-44.00	-42.22	833.93
-43.00	-41.67	836.13
-42.00	-41.11	838.33
-41.00	-40.56	840.53
-40.00	-40.00	842.73
-39.00	-39.44	844.93
-38.00	-38.89	847.12
-37.00	-38.33	849.32
-36.00	-37.78	851.52
-35.00	-37.22	853.72
-34.00	-36.67	855.91
-33.00	-36.11	858.11
-32.00	-35.56	860.30
-31.00	-35.00	862.50
-30.00	-34.44	864.69
-29.00	-33.89	866.89
-28.00	-33.33	869.08
-27.00	-32.78	871.27
-26.00	-32.22	873.47
-25.00	-31.67	875.66
-24.00	-31.11	877.85
-23.00	-30.56	880.04
-22.00	-30.00	882.23
-21.00	-29.44	884.42
-20.00	-28.89	886.61
-19.00	-28.33	888.80
-18.00	-27.78	890.99

-17.00	-27.22	893.18
-16.00	-26.67	895.37
-15.00	-26.11	897.56
-14.00	-25.56	899.75
-13.00	-25.00	901.94
-12.00	-24.44	904.12
-11.00	-23.89	906.31
-10.00	-23.33	908.50
-9.00	-22.78	910.68
-8.00	-22.22	912.87
-7.00	-21.67	915.06
-6.00	-21.11	917.24
-5.00	-20.56	919.43
-4.00	-20.00	921.61
-3.00	-19.44	923.79
-2.00	-18.89	925.98
-1.00	-18.33	928.16
0.00	-17.78	930.34
1.00	-17.22	932.53
2.00	-16.67	934.71
3.00	-16.11	936.89
4.00	-15.56	939.07
5.00	-15.00	941.25
6.00	-14.44	943.43
7.00	-13.89	945.61
8.00	-13.33	947.79
9.00	-12.78	949.97
10.00	-12.22	952.15
11.00	-11.67	954.33
12.00	-11.11	956.51
13.00	-10.56	958.69
14.00	-10.00	960.86
15.00	-9.44	963.04
16.00	-8.89	965.22
17.00	-8.33	967.40
18.00	-7.78	969.57
19.00	-7.22	971.75
20.00	-6.67	973.92
21.00	-6.11	976.10
22.00	-5.56	978.27
23.00	-5.00	980.45
24.00	-4.44	982.62
25.00	-3.89	984.79
26.00	-3.33	986.97
27.00	-2.78	989.14
28.00	-2.22	991.31
29.00	-1.67	993.49
30.00	-1.11	995.66
31.00	-0.56	997.83
32.00	0.00	1000.00
33.00	0.56	1002.17
34.00	1.11	1004.34

35.00	1.67	1006.51
36.00	2.22	1008.68
37.00	2.78	1010.85
38.00	3.33	1013.02
39.00	3.89	1015.19
40.00	4.44	1017.36
41.00	5.00	1019.52
42.00	5.56	1021.69
43.00	6.11	1023.86
44.00	6.67	1026.03
45.00	7.22	1028.19
46.00	7.78	1030.36
47.00	8.33	1032.52
48.00	8.89	1034.69
49.00	9.44	1036.85
50.00	10.00	1039.02
51.00	10.56	1041.18
52.00	11.11	1043.35
53.00	11.67	1045.51
54.00	12.22	1047.68
55.00	12.78	1049.84
56.00	13.33	1052.00
57.00	13.89	1054.16
58.00	14.44	1056.32
59.00	15.00	1058.49
60.00	15.56	1060.65
60.10	15.61	1060.86
60.20	15.67	1061.08
60.30	15.72	1061.30
60.40	15.78	1061.51
60.50	15.83	1061.73
60.60	15.89	1061.94
60.70	15.94	1062.16
60.80	16.00	1062.38
60.90	16.06	1062.59
61.00	16.11	1062.81
61.10	16.17	1063.02
61.20	16.22	1063.24
61.30	16.28	1063.46
61.40	16.33	1063.67
61.50	16.39	1063.89
61.60	16.44	1064.10
61.70	16.50	1064.32
61.80	16.56	1064.54
61.90	16.61	1064.75
62.00	16.67	1064.97
62.10	16.72	1065.18
62.20	16.78	1065.40
62.30	16.83	1065.62
62.40	16.89	1065.83
62.50	16.94	1066.05
62.60	17.00	1066.26



62.70	17.06	1066.48
62.80	17.11	1066.70
62.90	17.17	1066.91
63.00	17.22	1067.13
63.10	17.28	1067.34
63.20	17.33	1067.56
63.30	17.39	1067.78
63.40	17.44	1067.99
63.50	17.50	1068.21
63.60	17.56	1068.42
63.70	17.61	1068.64
63.80	17.67	1068.86
63.90	17.72	1069.07
64.00	17.78	1069.29
64.10	17.83	1069.50
64.20	17.89	1069.72
64.30	17.94	1069.94
64.40	18.00	1070.15
64.50	18.06	1070.37
64.60	18.11	1070.58
64.70	18.17	1070.80
64.80	18.22	1071.02
64.90	18.28	1071.23
65.00	18.33	1071.45
65.10	18.39	1071.66
65.20	18.44	1071.88
65.30	18.50	1072.10
65.40	18.56	1072.31
65.50	18.61	1072.53
65.60	18.67	1072.74
65.70	18.72	1072.96
65.80	18.78	1073.18
65.90	18.83	1073.39
66.00	18.89	1073.61
66.10	18.94	1073.82
66.20	19.00	1074.04
66.30	19.06	1074.25
66.40	19.11	1074.47
66.50	19.17	1074.69
66.60	19.22	1074.90
66.70	19.28	1075.12
66.80	19.33	1075.33
66.90	19.39	1075.55
67.00	19.44	1075.77
67.10	19.50	1075.98
67.20	19.56	1076.20
67.30	19.61	1076.41
67.40	19.67	1076.63
67.50	19.72	1076.84
67.60	19.78	1077.06
67.70	19.83	1077.28
67.80	19.89	1077.49

67.90	19.94	1077.71
68.00	20.00	1077.92
68.10	20.06	1078.14
68.20	20.11	1078.36
68.30	20.17	1078.57
68.40	20.22	1078.79
68.50	20.28	1079.00
68.60	20.33	1079.22
68.70	20.39	1079.43
68.80	20.44	1079.65
68.90	20.50	1079.87
69.00	20.56	1080.08
69.10	20.61	1080.30
69.20	20.67	1080.51
69.30	20.72	1080.73
69.40	20.78	1080.94
69.50	20.83	1081.16
69.60	20.89	1081.38
69.70	20.94	1081.59
69.80	21.00	1081.81
69.90	21.06	1082.02
70.00	21.11	1082.24
70.10	21.17	1082.46
70.20	21.22	1082.67
70.30	21.28	1082.89
70.40	21.33	1083.10
70.50	21.39	1083.32
70.60	21.44	1083.53
70.70	21.50	1083.75
70.80	21.56	1083.97
70.90	21.61	1084.18
71.00	21.67	1084.40
71.10	21.72	1084.61
71.20	21.78	1084.83
71.30	21.83	1085.04
71.40	21.89	1085.26
71.50	21.94	1085.48
71.60	22.00	1085.69
71.70	22.06	1085.91
71.80	22.11	1086.12
71.90	22.17	1086.34
72.00	22.22	1086.55
72.10	22.28	1086.77
72.20	22.33	1086.98
72.30	22.39	1087.20
72.40	22.44	1087.42
72.50	22.50	1087.63
72.60	22.56	1087.85
72.70	22.61	1088.06
72.80	22.67	1088.28
72.90	22.72	1088.49
73.00	22.78	1088.71

73.10	22.83	1088.93
73.20	22.89	1089.14
73.30	22.94	1089.36
73.40	23.00	1089.57
73.50	23.06	1089.79
73.60	23.11	1090.00
73.70	23.17	1090.22
73.80	23.22	1090.44
73.90	23.28	1090.65
74.00	23.33	1090.87
74.10	23.39	1091.08
74.20	23.44	1091.30
74.30	23.50	1091.51
74.40	23.56	1091.73
74.50	23.61	1091.94
74.60	23.67	1092.16
74.70	23.72	1092.38
74.80	23.78	1092.59
74.90	23.83	1092.81
75.00	23.89	1093.02
75.10	23.94	1093.24
75.20	24.00	1093.45
75.30	24.06	1093.67
75.40	24.11	1093.88
75.50	24.17	1094.10
75.60	24.22	1094.32
75.70	24.28	1094.53
75.80	24.33	1094.75
75.90	24.39	1094.96
76.00	24.44	1095.18
76.10	24.50	1095.39
76.20	24.56	1095.61
76.30	24.61	1095.82
76.40	24.67	1096.04
76.50	24.72	1096.26
76.60	24.78	1096.47
76.70	24.83	1096.69
76.80	24.89	1096.90
76.90	24.94	1097.12
77.00	25.00	1097.33
77.10	25.06	1097.55
77.20	25.11	1097.76
77.30	25.17	1097.98
77.40	25.22	1098.19
77.50	25.28	1098.41
77.60	25.33	1098.63
77.70	25.39	1098.84
77.80	25.44	1099.06
77.90	25.50	1099.27
78.00	25.56	1099.49
78.10	25.61	1099.70
78.20	25.67	1099.92

78.30	25.72	1100.13
78.40	25.78	1100.35
78.50	25.83	1100.56
78.60	25.89	1100.78
78.70	25.94	1101.00
78.80	26.00	1101.21
78.90	26.06	1101.43
79.00	26.11	1101.64
79.10	26.17	1101.86
79.20	26.22	1102.07
79.30	26.28	1102.29
79.40	26.33	1102.50
79.50	26.39	1102.72
79.60	26.44	1102.93
79.70	26.50	1103.15
79.80	26.56	1103.37
79.90	26.61	1103.58
80.00	26.67	1103.80
80.10	26.72	1104.01
80.20	26.78	1104.23
80.30	26.83	1104.44
80.40	26.89	1104.66
80.50	26.94	1104.87
80.60	27.00	1105.09
80.70	27.06	1105.30
80.80	27.11	1105.52
80.90	27.17	1105.73
81.00	27.22	1105.95
81.10	27.28	1106.16
81.20	27.33	1106.38
81.30	27.39	1106.60
81.40	27.44	1106.81
81.50	27.50	1107.03
81.60	27.56	1107.24
81.70	27.61	1107.46
81.80	27.67	1107.67
81.90	27.72	1107.89
82.00	27.78	1108.10
82.10	27.83	1108.32
82.20	27.89	1108.53
82.30	27.94	1108.75
82.40	28.00	1108.96
82.50	28.06	1109.18
82.60	28.11	1109.39
82.70	28.17	1109.61
82.80	28.22	1109.83
82.90	28.28	1110.04
83.00	28.33	1110.26
83.10	28.39	1110.47
83.20	28.44	1110.69
83.30	28.50	1110.90
83.40	28.56	1111.12

83.50	28.61	1111.33
83.60	28.67	1111.55
83.70	28.72	1111.76
83.80	28.78	1111.98
83.90	28.83	1112.19
84.00	28.89	1112.41
84.10	28.94	1112.62
84.20	29.00	1112.84
84.30	29.06	1113.05
84.40	29.11	1113.27
84.50	29.17	1113.48
84.60	29.22	1113.70
84.70	29.28	1113.92
84.80	29.33	1114.13
84.90	29.39	1114.35
85.00	29.44	1114.56
85.10	29.50	1114.78
85.20	29.56	1114.99
85.30	29.61	1115.21
85.40	29.67	1115.42
85.50	29.72	1115.64
85.60	29.78	1115.85
85.70	29.83	1116.07
85.80	29.89	1116.28
85.90	29.94	1116.50
86.00	30.00	1116.71
86.10	30.06	1116.93
86.20	30.11	1117.14
86.30	30.17	1117.36
86.40	30.22	1117.57
86.50	30.28	1117.79
86.60	30.33	1118.00
86.70	30.39	1118.22
86.80	30.44	1118.43
86.90	30.50	1118.65
87.00	30.56	1118.86
87.10	30.61	1119.08
87.20	30.67	1119.29
87.30	30.72	1119.51
87.40	30.78	1119.72
87.50	30.83	1119.94
87.60	30.89	1120.15
87.70	30.94	1120.37
87.80	31.00	1120.59
87.90	31.06	1120.80
88.00	31.11	1121.02
88.10	31.17	1121.23
88.20	31.22	1121.45
88.30	31.28	1121.66
88.40	31.33	1121.88
88.50	31.39	1122.09
88.60	31.44	1122.31

88.70	31.50	1122.52
88.80	31.56	1122.74
88.90	31.61	1122.95
89.00	31.67	1123.17
89.10	31.72	1123.38
89.20	31.78	1123.60
89.30	31.83	1123.81
89.40	31.89	1124.03
89.50	31.94	1124.24
89.60	32.00	1124.46
89.70	32.06	1124.67
89.80	32.11	1124.89
89.90	32.17	1125.10
90.00	32.22	1125.32
91.00	32.78	1127.47
92.00	33.33	1129.62
93.00	33.89	1131.77
94.00	34.44	1133.92
95.00	35.00	1136.06
96.00	35.56	1138.21
97.00	36.11	1140.36
98.00	36.67	1142.51
99.00	37.22	1144.65
100.00	37.78	1146.80
101.00	38.33	1148.95
102.00	38.89	1151.09
103.00	39.44	1153.24
104.00	40.00	1155.39
105.00	40.56	1157.53
106.00	41.11	1159.68
107.00	41.67	1161.82
108.00	42.22	1163.96
109.00	42.78	1166.11
110.00	43.33	1168.25
111.00	43.89	1170.39
112.00	44.44	1172.54
113.00	45.00	1174.68
114.00	45.56	1176.82
115.00	46.11	1178.96
116.00	46.67	1181.10
117.00	47.22	1183.24
118.00	47.78	1185.39
119.00	48.33	1187.53
120.00	48.89	1189.67
121.00	49.44	1191.80
122.00	50.00	1193.94
123.00	50.56	1196.08
124.00	51.11	1198.22
125.00	51.67	1200.36
126.00	52.22	1202.50
127.00	52.78	1204.63
128.00	53.33	1206.77

129.00	53.89	1208.91
130.00	54.44	1211.04
131.00	55.00	1213.18
132.00	55.56	1215.31
133.00	56.11	1217.45
134.00	56.67	1219.58
135.00	57.22	1221.72
136.00	57.78	1223.85
137.00	58.33	1225.99
138.00	58.89	1228.12
139.00	59.44	1230.25
140.00	60.00	1232.39
141.00	60.56	1234.52
142.00	61.11	1236.65
143.00	61.67	1238.78
144.00	62.22	1240.91
145.00	62.78	1243.04
146.00	63.33	1245.17
147.00	63.89	1247.30
148.00	64.44	1249.43
149.00	65.00	1251.56
150.00	65.56	1253.69
151.00	66.11	1255.82
152.00	66.67	1257.95
153.00	67.22	1260.08
154.00	67.78	1262.21
155.00	68.33	1264.33
156.00	68.89	1266.46
157.00	69.44	1268.59
158.00	70.00	1270.71
159.00	70.56	1272.84
160.00	71.11	1274.96
161.00	71.67	1277.09
162.00	72.22	1279.21
163.00	72.78	1281.34
164.00	73.33	1283.46
165.00	73.89	1285.59
166.00	74.44	1287.71
167.00	75.00	1289.83
168.00	75.56	1291.96
169.00	76.11	1294.08
170.00	76.67	1296.20
171.00	77.22	1298.32
172.00	77.78	1300.44
173.00	78.33	1302.56
174.00	78.89	1304.68
175.00	79.44	1306.80
176.00	80.00	1308.92
177.00	80.56	1311.04
178.00	81.11	1313.16
179.00	81.67	1315.28
180.00	82.22	1317.40

181.00	82.78	1319.52
182.00	83.33	1321.64
183.00	83.89	1323.75
184.00	84.44	1325.87
185.00	85.00	1327.99
186.00	85.56	1330.10
187.00	86.11	1332.22
188.00	86.67	1334.33
189.00	87.22	1336.45
190.00	87.78	1338.56
191.00	88.33	1340.68
192.00	88.89	1342.79
193.00	89.44	1344.91
194.00	90.00	1347.02
195.00	90.56	1349.13
196.00	91.11	1351.25
197.00	91.67	1353.36
198.00	92.22	1355.47
199.00	92.78	1357.58
200.00	93.33	1359.69
201.00	93.89	1361.80
202.00	94.44	1363.91
203.00	95.00	1366.02
204.00	95.56	1368.13
205.00	96.11	1370.24
206.00	96.67	1372.35
207.00	97.22	1374.46
208.00	97.78	1376.57
209.00	98.33	1378.68
210.00	98.89	1380.79
211.00	99.44	1382.89
212.00	100.00	1385.00
213.00	100.56	1387.11
214.00	101.11	1389.21
215.00	101.67	1391.32
216.00	102.22	1393.42
217.00	102.78	1395.53
218.00	103.33	1397.63
219.00	103.89	1399.74
220.00	104.44	1401.84
221.00	105.00	1403.95
222.00	105.56	1406.05
223.00	106.11	1408.15
224.00	106.67	1410.26
225.00	107.22	1412.36
226.00	107.78	1414.46
227.00	108.33	1416.56
228.00	108.89	1418.66
229.00	109.44	1420.76
230.00	110.00	1422.86
231.00	110.56	1424.97
232.00	111.11	1427.06



233.00	111.67	1429.16
234.00	112.22	1431.26
235.00	112.78	1433.36
236.00	113.33	1435.46
237.00	113.89	1437.56
238.00	114.44	1439.66
239.00	115.00	1441.75
240.00	115.56	1443.85
241.00	116.11	1445.95
242.00	116.67	1448.04
243.00	117.22	1450.14
244.00	117.78	1452.24
245.00	118.33	1454.33
246.00	118.89	1456.43
247.00	119.44	1458.52
248.00	120.00	1460.61
249.00	120.56	1462.71
250.00	121.11	1464.80
251.00	121.67	1466.89
252.00	122.22	1468.99
253.00	122.78	1471.08
254.00	123.33	1473.17
255.00	123.89	1475.26
256.00	124.44	1477.35
257.00	125.00	1479.45
258.00	125.56	1481.54
259.00	126.11	1483.63
260.00	126.67	1485.72
261.00	127.22	1487.81
262.00	127.78	1489.89
263.00	128.33	1491.98
264.00	128.89	1494.07
265.00	129.44	1496.16
266.00	130.00	1498.25
267.00	130.56	1500.34
268.00	131.11	1502.42
269.00	131.67	1504.51
270.00	132.22	1506.60
271.00	132.78	1508.68
272.00	133.33	1510.77
273.00	133.89	1512.85
274.00	134.44	1514.94
275.00	135.00	1517.02
276.00	135.56	1519.11
277.00	136.11	1521.19
278.00	136.67	1523.27
279.00	137.22	1525.36
280.00	137.78	1527.44
281.00	138.33	1529.52
282.00	138.89	1531.60
283.00	139.44	1533.68
284.00	140.00	1535.77

285.00	140.56	1537.85
286.00	141.11	1539.93
287.00	141.67	1542.01
288.00	142.22	1544.09
289.00	142.78	1546.17
290.00	143.33	1548.25
291.00	143.89	1550.33
292.00	144.44	1552.40
293.00	145.00	1554.48
294.00	145.56	1556.56
295.00	146.11	1558.64
296.00	146.67	1560.71
297.00	147.22	1562.79
298.00	147.78	1564.87
299.00	148.33	1566.94
300.00	148.89	1569.02
301.00	149.44	1571.09
302.00	150.00	1573.17
303.00	150.56	1575.24
304.00	151.11	1577.32
305.00	151.67	1579.39
306.00	152.22	1581.47
307.00	152.78	1583.54
308.00	153.33	1585.61
309.00	153.89	1587.68
310.00	154.44	1589.76
311.00	155.00	1591.83
312.00	155.56	1593.90
313.00	156.11	1595.97
314.00	156.67	1598.04
315.00	157.22	1600.11
316.00	157.78	1602.18
317.00	158.33	1604.25
318.00	158.89	1606.32
319.00	159.44	1608.39
320.00	160.00	1610.46
321.00	160.56	1612.52
322.00	161.11	1614.59
323.00	161.67	1616.66
324.00	162.22	1618.73
325.00	162.78	1620.79
326.00	163.33	1622.86
327.00	163.89	1624.93
328.00	164.44	1626.99
329.00	165.00	1629.06
330.00	165.56	1631.12
331.00	166.11	1633.19
332.00	166.67	1635.25
333.00	167.22	1637.31
334.00	167.78	1639.38
335.00	168.33	1641.44
336.00	168.89	1643.50

337.00	169.44	1645.57
338.00	170.00	1647.63
339.00	170.56	1649.69
340.00	171.11	1651.75
341.00	171.67	1653.81
342.00	172.22	1655.87
343.00	172.78	1657.93
344.00	173.33	1659.99
345.00	173.89	1662.05
346.00	174.44	1664.11
347.00	175.00	1666.17
348.00	175.56	1668.23
349.00	176.11	1670.29
350.00	176.67	1672.35
351.00	177.22	1674.40
352.00	177.78	1676.46
353.00	178.33	1678.52
354.00	178.89	1680.57
355.00	179.44	1682.63
356.00	180.00	1684.68
357.00	180.56	1686.74
358.00	181.11	1688.79
359.00	181.67	1690.85
360.00	182.22	1692.90
361.00	182.78	1694.96
362.00	183.33	1697.01
363.00	183.89	1699.06
364.00	184.44	1701.12
365.00	185.00	1703.17
366.00	185.56	1705.22
367.00	186.11	1707.27
368.00	186.67	1709.32
369.00	187.22	1711.38
370.00	187.78	1713.43
371.00	188.33	1715.48
372.00	188.89	1717.53
373.00	189.44	1719.58
374.00	190.00	1721.63
375.00	190.56	1723.67
376.00	191.11	1725.72
377.00	191.67	1727.77
378.00	192.22	1729.82
379.00	192.78	1731.87
380.00	193.33	1733.91
381.00	193.89	1735.96
382.00	194.44	1738.01
383.00	195.00	1740.05
384.00	195.56	1742.10
385.00	196.11	1744.14
386.00	196.67	1746.19
387.00	197.22	1748.23
388.00	197.78	1750.28

389.00	198.33	1752.32
390.00	198.89	1754.36
391.00	199.44	1756.41
392.00	200.00	1758.45