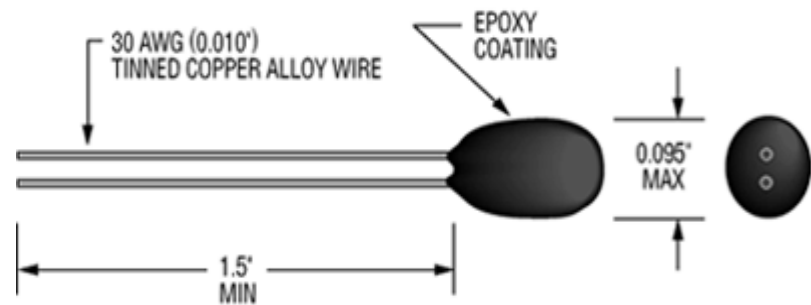


U.S. SENSOR Corp.

Ultra Precision Interchangeable Thermistors $\pm 0.05^{\circ}\text{C}$ Accuracy



P/N	Resistance @ 25°C (Ohms)	R/T Curve	Accuracy 0-50°C	Beta 0-50°C
PR222J2	2,252	J	$\pm 0.05^{\circ}\text{C}$	3892°K
PR103J2	10,000	J	$\pm 0.05^{\circ}\text{C}$	3892°K



1832 West Collins Avenue, Orange, CA 92867-5425 Tel:714-639-1000 Fax:714-639-1220
<http://www.ussensor.com> <mailto:sales@ussensor.com>

PR103J2 REV NONE (RESISTANCE VS. TEMPERATURE TABLE)

Temp (°C)	Resistance (Ω) 10,000 Ω @ +25°C
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-55.00	963,849.00
-54.95	960,288.78
-54.90	956,743.02
-54.85	953,211.63
-54.80	949,694.57
-54.75	946,191.77
-54.70	942,703.17
-54.65	939,228.70
-54.60	935,768.30
-54.55	932,321.91
-54.50	928,889.47
-54.45	925,470.91
-54.40	922,066.19
-54.35	918,675.22
-54.30	915,297.96
-54.25	911,934.35
-54.20	908,584.32
-54.15	905,247.82
-54.10	901,924.78
-54.05	898,615.15
-54.00	895,318.87
-53.95	892,035.88
-53.90	888,766.12
-53.85	885,509.53
-53.80	882,266.06
-53.75	879,035.64
-53.70	875,818.23
-53.65	872,613.77
-53.60	869,422.19
-53.55	866,243.44
-53.50	863,077.47
-53.45	859,924.22
-53.40	856,783.63
-53.35	853,655.66
-53.30	850,540.23

-53.25	847,437.31
-53.20	844,346.83
-53.15	841,268.74
-53.10	838,202.99
-53.05	835,149.53
-53.00	832,108.29
-52.95	829,079.23
-52.90	826,062.29
-52.85	823,057.43
-52.80	820,064.58
-52.75	817,083.70
-52.70	814,114.73
-52.65	811,157.62
-52.60	808,212.33
-52.55	805,278.80
-52.50	802,356.97
-52.45	799,446.80
-52.40	796,548.24
-52.35	793,661.24
-52.30	790,785.75
-52.25	787,921.71
-52.20	785,069.08
-52.15	782,227.81
-52.10	779,397.84
-52.05	776,579.14
-52.00	773,771.65
-51.95	770,975.32
-51.90	768,190.11
-51.85	765,415.96
-51.80	762,652.84
-51.75	759,900.68
-51.70	757,159.45
-51.65	754,429.10
-51.60	751,709.58
-51.55	749,000.84
-51.50	746,302.83
-51.45	743,615.52
-51.40	740,938.86
-51.35	738,272.79
-51.30	735,617.27
-51.25	732,972.27
-51.20	730,337.72
-51.15	727,713.60
-51.10	725,099.85
-51.05	722,496.42
-51.00	719,903.28
-50.95	717,320.38
-50.90	714,747.68
-50.85	712,185.13
-50.80	709,632.69
-50.75	707,090.31

-50.70	704,557.96
-50.65	702,035.58
-50.60	699,523.14
-50.55	697,020.60
-50.50	694,527.91
-50.45	692,045.03
-50.40	689,571.91
-50.35	687,108.52
-50.30	684,654.82
-50.25	682,210.76
-50.20	679,776.30
-50.15	677,351.40
-50.10	674,936.02
-50.05	672,530.12
-50.00	670,133.66
-49.95	667,746.60
-49.90	665,368.89
-49.85	663,000.51
-49.80	660,641.40
-49.75	658,291.54
-49.70	655,950.87
-49.65	653,619.36
-49.60	651,296.98
-49.55	648,983.68
-49.50	646,679.43
-49.45	644,384.18
-49.40	642,097.90
-49.35	639,820.54
-49.30	637,552.08
-49.25	635,292.48
-49.20	633,041.69
-49.15	630,799.68
-49.10	628,566.41
-49.05	626,341.85
-49.00	624,125.96
-48.95	621,918.69
-48.90	619,720.02
-48.85	617,529.91
-48.80	615,348.33
-48.75	613,175.22
-48.70	611,010.57
-48.65	608,854.33
-48.60	606,706.48
-48.55	604,566.96
-48.50	602,435.75
-48.45	600,312.82
-48.40	598,198.12
-48.35	596,091.63
-48.30	593,993.31
-48.25	591,903.12
-48.20	589,821.03

-48.15	587,747.01
-48.10	585,681.02
-48.05	583,623.02
-48.00	581,573.00
-47.95	579,530.90
-47.90	577,496.70
-47.85	575,470.37
-47.80	573,451.86
-47.75	571,441.16
-47.70	569,438.22
-47.65	567,443.01
-47.60	565,455.50
-47.55	563,475.67
-47.50	561,503.47
-47.45	559,538.87
-47.40	557,581.84
-47.35	555,632.36
-47.30	553,690.38
-47.25	551,755.88
-47.20	549,828.83
-47.15	547,909.19
-47.10	545,996.94
-47.05	544,092.04
-47.00	542,194.46
-46.95	540,304.17
-46.90	538,421.14
-46.85	536,545.35
-46.80	534,676.75
-46.75	532,815.33
-46.70	530,961.04
-46.65	529,113.87
-46.60	527,273.78
-46.55	525,440.74
-46.50	523,614.72
-46.45	521,795.69
-46.40	519,983.63
-46.35	518,178.50
-46.30	516,380.28
-46.25	514,588.94
-46.20	512,804.44
-46.15	511,026.77
-46.10	509,255.88
-46.05	507,491.76
-46.00	505,734.38
-45.95	503,983.70
-45.90	502,239.70
-45.85	500,502.35
-45.80	498,771.63
-45.75	497,047.51
-45.70	495,329.95
-45.65	493,618.93

-45.60	491,914.44
-45.55	490,216.42
-45.50	488,524.87
-45.45	486,839.76
-45.40	485,161.05
-45.35	483,488.72
-45.30	481,822.75
-45.25	480,163.11
-45.20	478,509.77
-45.15	476,862.70
-45.10	475,221.89
-45.05	473,587.30
-45.00	471,958.91
-44.95	470,336.69
-44.90	468,720.62
-44.85	467,110.67
-44.80	465,506.82
-44.75	463,909.04
-44.70	462,317.31
-44.65	460,731.60
-44.60	459,151.89
-44.55	457,578.15
-44.50	456,010.36
-44.45	454,448.50
-44.40	452,892.53
-44.35	451,342.44
-44.30	449,798.19
-44.25	448,259.78
-44.20	446,727.17
-44.15	445,200.34
-44.10	443,679.26
-44.05	442,163.91
-44.00	440,654.27
-43.95	439,150.32
-43.90	437,652.03
-43.85	436,159.38
-43.80	434,672.34
-43.75	433,190.90
-43.70	431,715.02
-43.65	430,244.69
-43.60	428,779.88
-43.55	427,320.58
-43.50	425,866.75
-43.45	424,418.38
-43.40	422,975.45
-43.35	421,537.93
-43.30	420,105.79
-43.25	418,679.03
-43.20	417,257.61
-43.15	415,841.51
-43.10	414,430.72

-43.05	413,025.21
-43.00	411,624.95
-42.95	410,229.94
-42.90	408,840.14
-42.85	407,455.53
-42.80	406,076.10
-42.75	404,701.83
-42.70	403,332.68
-42.65	401,968.65
-42.60	400,609.70
-42.55	399,255.83
-42.50	397,907.01
-42.45	396,563.21
-42.40	395,224.42
-42.35	393,890.62
-42.30	392,561.79
-42.25	391,237.91
-42.20	389,918.95
-42.15	388,604.90
-42.10	387,295.74
-42.05	385,991.44
-42.00	384,692.00
-41.95	383,397.38
-41.90	382,107.57
-41.85	380,822.55
-41.80	379,542.30
-41.75	378,266.80
-41.70	376,996.03
-41.65	375,729.98
-41.60	374,468.62
-41.55	373,211.93
-41.50	371,959.90
-41.45	370,712.51
-41.40	369,469.73
-41.35	368,231.55
-41.30	366,997.96
-41.25	365,768.92
-41.20	364,544.43
-41.15	363,324.47
-41.10	362,109.01
-41.05	360,898.05
-41.00	359,691.55
-40.95	358,489.51
-40.90	357,291.90
-40.85	356,098.72
-40.80	354,909.93
-40.75	353,725.52
-40.70	352,545.48
-40.65	351,369.78
-40.60	350,198.42
-40.55	349,031.37

-40.50	347,868.61
-40.45	346,710.13
-40.40	345,555.91
-40.35	344,405.93
-40.30	343,260.18
-40.25	342,118.64
-40.20	340,981.30
-40.15	339,848.13
-40.10	338,719.11
-40.05	337,594.24
-40.00	336,473.50
-39.95	335,356.87
-39.90	334,244.33
-39.85	333,135.86
-39.80	332,031.46
-39.75	330,931.10
-39.70	329,834.77
-39.65	328,742.45
-39.60	327,654.13
-39.55	326,569.79
-39.50	325,489.41
-39.45	324,412.98
-39.40	323,340.49
-39.35	322,271.91
-39.30	321,207.23
-39.25	320,146.44
-39.20	319,089.52
-39.15	318,036.45
-39.10	316,987.22
-39.05	315,941.82
-39.00	314,900.23
-38.95	313,862.43
-38.90	312,828.41
-38.85	311,798.16
-38.80	310,771.65
-38.75	309,748.88
-38.70	308,729.83
-38.65	307,714.48
-38.60	306,702.83
-38.55	305,694.85
-38.50	304,690.53
-38.45	303,689.85
-38.40	302,692.81
-38.35	301,699.39
-38.30	300,709.57
-38.25	299,723.34
-38.20	298,740.68
-38.15	297,761.58
-38.10	296,786.04
-38.05	295,814.02
-38.00	294,845.52

-37.95	293,880.53
-37.90	292,919.03
-37.85	291,961.01
-37.80	291,006.44
-37.75	290,055.33
-37.70	289,107.66
-37.65	288,163.41
-37.60	287,222.57
-37.55	286,285.12
-37.50	285,351.06
-37.45	284,420.36
-37.40	283,493.02
-37.35	282,569.03
-37.30	281,648.36
-37.25	280,731.01
-37.20	279,816.97
-37.15	278,906.21
-37.10	277,998.73
-37.05	277,094.52
-37.00	276,193.56
-36.95	275,295.84
-36.90	274,401.34
-36.85	273,510.06
-36.80	272,621.98
-36.75	271,737.09
-36.70	270,855.37
-36.65	269,976.82
-36.60	269,101.42
-36.55	268,229.16
-36.50	267,360.03
-36.45	266,494.01
-36.40	265,631.09
-36.35	264,771.27
-36.30	263,914.52
-36.25	263,060.84
-36.20	262,210.21
-36.15	261,362.62
-36.10	260,518.07
-36.05	259,676.53
-36.00	258,838.00
-35.95	258,002.47
-35.90	257,169.91
-35.85	256,340.34
-35.80	255,513.72
-35.75	254,690.05
-35.70	253,869.31
-35.65	253,051.51
-35.60	252,236.61
-35.55	251,424.62
-35.50	250,615.53
-35.45	249,809.31

-35.40	249,005.96
-35.35	248,205.47
-35.30	247,407.83
-35.25	246,613.03
-35.20	245,821.05
-35.15	245,031.88
-35.10	244,245.52
-35.05	243,461.95
-35.00	242,681.16
-34.95	241,903.14
-34.90	241,127.88
-34.85	240,355.37
-34.80	239,585.60
-34.75	238,818.56
-34.70	238,054.24
-34.65	237,292.62
-34.60	236,533.70
-34.55	235,777.46
-34.50	235,023.91
-34.45	234,273.01
-34.40	233,524.78
-34.35	232,779.18
-34.30	232,036.23
-34.25	231,295.89
-34.20	230,558.17
-34.15	229,823.06
-34.10	229,090.54
-34.05	228,360.61
-34.00	227,633.25
-33.95	226,908.45
-33.90	226,186.21
-33.85	225,466.51
-33.80	224,749.35
-33.75	224,034.71
-33.70	223,322.59
-33.65	222,612.98
-33.60	221,905.86
-33.55	221,201.23
-33.50	220,499.07
-33.45	219,799.39
-33.40	219,102.16
-33.35	218,407.38
-33.30	217,715.04
-33.25	217,025.13
-33.20	216,337.64
-33.15	215,652.56
-33.10	214,969.89
-33.05	214,289.60
-33.00	213,611.71
-32.95	212,936.18
-32.90	212,263.02

-32.85	211,592.22
-32.80	210,923.77
-32.75	210,257.65
-32.70	209,593.87
-32.65	208,932.40
-32.60	208,273.25
-32.55	207,616.40
-32.50	206,961.85
-32.45	206,309.58
-32.40	205,659.58
-32.35	205,011.86
-32.30	204,366.39
-32.25	203,723.18
-32.20	203,082.21
-32.15	202,443.47
-32.10	201,806.96
-32.05	201,172.66
-32.00	200,540.58
-31.95	199,910.69
-31.90	199,283.00
-31.85	198,657.48
-31.80	198,034.15
-31.75	197,412.98
-31.70	196,793.97
-31.65	196,177.11
-31.60	195,562.39
-31.55	194,949.81
-31.50	194,339.35
-31.45	193,731.01
-31.40	193,124.78
-31.35	192,520.65
-31.30	191,918.62
-31.25	191,318.67
-31.20	190,720.80
-31.15	190,125.00
-31.10	189,531.26
-31.05	188,939.58
-31.00	188,349.94
-30.95	187,762.35
-30.90	187,176.78
-30.85	186,593.24
-30.80	186,011.72
-30.75	185,432.20
-30.70	184,854.69
-30.65	184,279.16
-30.60	183,705.63
-30.55	183,134.07
-30.50	182,564.49
-30.45	181,996.86
-30.40	181,431.20
-30.35	180,867.48

-30.30	180,305.70
-30.25	179,745.86
-30.20	179,187.95
-30.15	178,631.95
-30.10	178,077.87
-30.05	177,525.69
-30.00	176,975.41
-29.95	176,427.02
-29.90	175,880.52
-29.85	175,335.89
-29.80	174,793.13
-29.75	174,252.24
-29.70	173,713.20
-29.65	173,176.01
-29.60	172,640.66
-29.55	172,107.14
-29.50	171,575.46
-29.45	171,045.59
-29.40	170,517.54
-29.35	169,991.30
-29.30	169,466.86
-29.25	168,944.21
-29.20	168,423.35
-29.15	167,904.27
-29.10	167,386.96
-29.05	166,871.43
-29.00	166,357.65
-28.95	165,845.63
-28.90	165,335.35
-28.85	164,826.82
-28.80	164,320.02
-28.75	163,814.95
-28.70	163,311.60
-28.65	162,809.97
-28.60	162,310.04
-28.55	161,811.82
-28.50	161,315.30
-28.45	160,820.46
-28.40	160,327.31
-28.35	159,835.84
-28.30	159,346.03
-28.25	158,857.90
-28.20	158,371.42
-28.15	157,886.59
-28.10	157,403.41
-28.05	156,921.87
-28.00	156,441.97
-27.95	155,963.69
-27.90	155,487.04
-27.85	155,012.00
-27.80	154,538.57

-27.75	154,066.75
-27.70	153,596.52
-27.65	153,127.89
-27.60	152,660.84
-27.55	152,195.38
-27.50	151,731.49
-27.45	151,269.16
-27.40	150,808.40
-27.35	150,349.20
-27.30	149,891.55
-27.25	149,435.45
-27.20	148,980.89
-27.15	148,527.86
-27.10	148,076.36
-27.05	147,626.38
-27.00	147,177.92
-26.95	146,730.97
-26.90	146,285.53
-26.85	145,841.59
-26.80	145,399.15
-26.75	144,958.19
-26.70	144,518.72
-26.65	144,080.73
-26.60	143,644.21
-26.55	143,209.16
-26.50	142,775.57
-26.45	142,343.44
-26.40	141,912.76
-26.35	141,483.53
-26.30	141,055.74
-26.25	140,629.38
-26.20	140,204.46
-26.15	139,780.96
-26.10	139,358.88
-26.05	138,938.22
-26.00	138,518.96
-25.95	138,101.11
-25.90	137,684.67
-25.85	137,269.61
-25.80	136,855.94
-25.75	136,443.66
-25.70	136,032.76
-25.65	135,623.23
-25.60	135,215.07
-25.55	134,808.27
-25.50	134,402.84
-25.45	133,998.75
-25.40	133,596.02
-25.35	133,194.63
-25.30	132,794.58
-25.25	132,395.86

-25.20	131,998.48
-25.15	131,602.42
-25.10	131,207.67
-25.05	130,814.25
-25.00	130,422.13
-24.95	130,031.32
-24.90	129,641.81
-24.85	129,253.60
-24.80	128,866.67
-24.75	128,481.04
-24.70	128,096.68
-24.65	127,713.60
-24.60	127,331.80
-24.55	126,951.26
-24.50	126,571.99
-24.45	126,193.97
-24.40	125,817.21
-24.35	125,441.70
-24.30	125,067.44
-24.25	124,694.41
-24.20	124,322.62
-24.15	123,952.06
-24.10	123,582.73
-24.05	123,214.63
-24.00	122,847.74
-23.95	122,482.06
-23.90	122,117.59
-23.85	121,754.33
-23.80	121,392.27
-23.75	121,031.41
-23.70	120,671.74
-23.65	120,313.25
-23.60	119,955.95
-23.55	119,599.83
-23.50	119,244.88
-23.45	118,891.11
-23.40	118,538.50
-23.35	118,187.05
-23.30	117,836.76
-23.25	117,487.62
-23.20	117,139.64
-23.15	116,792.80
-23.10	116,447.10
-23.05	116,102.54
-23.00	115,759.11
-22.95	115,416.81
-22.90	115,075.64
-22.85	114,735.58
-22.80	114,396.65
-22.75	114,058.82
-22.70	113,722.11

-22.65	113,386.50
-22.60	113,051.99
-22.55	112,718.58
-22.50	112,386.26
-22.45	112,055.03
-22.40	111,724.89
-22.35	111,395.83
-22.30	111,067.84
-22.25	110,740.93
-22.20	110,415.09
-22.15	110,090.32
-22.10	109,766.61
-22.05	109,443.95
-22.00	109,122.35
-21.95	108,801.80
-21.90	108,482.30
-21.85	108,163.84
-21.80	107,846.42
-21.75	107,530.04
-21.70	107,214.69
-21.65	106,900.37
-21.60	106,587.07
-21.55	106,274.79
-21.50	105,963.53
-21.45	105,653.29
-21.40	105,344.05
-21.35	105,035.82
-21.30	104,728.60
-21.25	104,422.37
-21.20	104,117.14
-21.15	103,812.90
-21.10	103,509.65
-21.05	103,207.39
-21.00	102,906.11
-20.95	102,605.81
-20.90	102,306.48
-20.85	102,008.12
-20.80	101,710.73
-20.75	101,414.31
-20.70	101,118.84
-20.65	100,824.34
-20.60	100,530.79
-20.55	100,238.18
-20.50	99,946.53
-20.45	99,655.82
-20.40	99,366.05
-20.35	99,077.22
-20.30	98,789.33
-20.25	98,502.36
-20.20	98,216.32
-20.15	97,931.21

-20.10	97,647.01
-20.05	97,363.74
-20.00	97,081.38
-19.95	96,799.93
-19.90	96,519.38
-19.85	96,239.75
-19.80	95,961.01
-19.75	95,683.17
-19.70	95,406.23
-19.65	95,130.18
-19.60	94,855.02
-19.55	94,580.75
-19.50	94,307.35
-19.45	94,034.84
-19.40	93,763.20
-19.35	93,492.44
-19.30	93,222.55
-19.25	92,953.52
-19.20	92,685.36
-19.15	92,418.06
-19.10	92,151.62
-19.05	91,886.03
-19.00	91,621.30
-18.95	91,357.41
-18.90	91,094.37
-18.85	90,832.17
-18.80	90,570.82
-18.75	90,310.30
-18.70	90,050.61
-18.65	89,791.76
-18.60	89,533.73
-18.55	89,276.53
-18.50	89,020.16
-18.45	88,764.60
-18.40	88,509.86
-18.35	88,255.93
-18.30	88,002.82
-18.25	87,750.51
-18.20	87,499.01
-18.15	87,248.31
-18.10	86,998.41
-18.05	86,749.31
-18.00	86,501.00
-17.95	86,253.48
-17.90	86,006.76
-17.85	85,760.82
-17.80	85,515.66
-17.75	85,271.28
-17.70	85,027.68
-17.65	84,784.85
-17.60	84,542.80

-17.55	84,301.52
-17.50	84,061.00
-17.45	83,821.25
-17.40	83,582.26
-17.35	83,344.03
-17.30	83,106.56
-17.25	82,869.84
-17.20	82,633.87
-17.15	82,398.65
-17.10	82,164.17
-17.05	81,930.44
-17.00	81,697.45
-16.95	81,465.19
-16.90	81,233.68
-16.85	81,002.89
-16.80	80,772.84
-16.75	80,543.51
-16.70	80,314.91
-16.65	80,087.03
-16.60	79,859.88
-16.55	79,633.44
-16.50	79,407.71
-16.45	79,182.70
-16.40	78,958.40
-16.35	78,734.81
-16.30	78,511.92
-16.25	78,289.74
-16.20	78,068.26
-16.15	77,847.47
-16.10	77,627.38
-16.05	77,407.99
-16.00	77,189.28
-15.95	76,971.27
-15.90	76,753.94
-15.85	76,537.29
-15.80	76,321.33
-15.75	76,106.04
-15.70	75,891.43
-15.65	75,677.50
-15.60	75,464.24
-15.55	75,251.65
-15.50	75,039.72
-15.45	74,828.46
-15.40	74,617.87
-15.35	74,407.93
-15.30	74,198.65
-15.25	73,990.03
-15.20	73,782.07
-15.15	73,574.75
-15.10	73,368.09
-15.05	73,162.07

-15.00	72,956.70
-14.95	72,751.96
-14.90	72,547.87
-14.85	72,344.42
-14.80	72,141.61
-14.75	71,939.43
-14.70	71,737.88
-14.65	71,536.96
-14.60	71,336.66
-14.55	71,137.00
-14.50	70,937.95
-14.45	70,739.53
-14.40	70,541.72
-14.35	70,344.54
-14.30	70,147.96
-14.25	69,952.00
-14.20	69,756.65
-14.15	69,561.91
-14.10	69,367.78
-14.05	69,174.25
-14.00	68,981.32
-13.95	68,788.99
-13.90	68,597.26
-13.85	68,406.13
-13.80	68,215.59
-13.75	68,025.64
-13.70	67,836.28
-13.65	67,647.51
-13.60	67,459.32
-13.55	67,271.72
-13.50	67,084.71
-13.45	66,898.27
-13.40	66,712.41
-13.35	66,527.12
-13.30	66,342.41
-13.25	66,158.27
-13.20	65,974.71
-13.15	65,791.71
-13.10	65,609.27
-13.05	65,427.40
-13.00	65,246.10
-12.95	65,065.35
-12.90	64,885.17
-12.85	64,705.53
-12.80	64,526.46
-12.75	64,347.94
-12.70	64,169.97
-12.65	63,992.54
-12.60	63,815.67
-12.55	63,639.34
-12.50	63,463.55

-12.45	63,288.31
-12.40	63,113.61
-12.35	62,939.44
-12.30	62,765.81
-12.25	62,592.72
-12.20	62,420.16
-12.15	62,248.13
-12.10	62,076.62
-12.05	61,905.65
-12.00	61,735.20
-11.95	61,565.28
-11.90	61,395.88
-11.85	61,226.99
-11.80	61,058.63
-11.75	60,890.78
-11.70	60,723.45
-11.65	60,556.63
-11.60	60,390.32
-11.55	60,224.53
-11.50	60,059.24
-11.45	59,894.46
-11.40	59,730.18
-11.35	59,566.40
-11.30	59,403.13
-11.25	59,240.36
-11.20	59,078.08
-11.15	58,916.30
-11.10	58,755.02
-11.05	58,594.23
-11.00	58,433.93
-10.95	58,274.11
-10.90	58,114.79
-10.85	57,955.96
-10.80	57,797.60
-10.75	57,639.74
-10.70	57,482.35
-10.65	57,325.44
-10.60	57,169.01
-10.55	57,013.06
-10.50	56,857.59
-10.45	56,702.58
-10.40	56,548.05
-10.35	56,393.99
-10.30	56,240.40
-10.25	56,087.27
-10.20	55,934.61
-10.15	55,782.42
-10.10	55,630.69
-10.05	55,479.41
-10.00	55,328.60
-9.95	55,178.25

-9.90	55,028.35
-9.85	54,878.91
-9.80	54,729.92
-9.75	54,581.38
-9.70	54,433.29
-9.65	54,285.65
-9.60	54,138.46
-9.55	53,991.72
-9.50	53,845.42
-9.45	53,699.56
-9.40	53,554.14
-9.35	53,409.17
-9.30	53,264.63
-9.25	53,120.53
-9.20	52,976.86
-9.15	52,833.63
-9.10	52,690.83
-9.05	52,548.47
-9.00	52,406.53
-8.95	52,265.02
-8.90	52,123.94
-8.85	51,983.28
-8.80	51,843.05
-8.75	51,703.24
-8.70	51,563.85
-8.65	51,424.88
-8.60	51,286.33
-8.55	51,148.20
-8.50	51,010.49
-8.45	50,873.18
-8.40	50,736.29
-8.35	50,599.82
-8.30	50,463.75
-8.25	50,328.09
-8.20	50,192.84
-8.15	50,058.00
-8.10	49,923.56
-8.05	49,789.52
-8.00	49,655.89
-7.95	49,522.66
-7.90	49,389.83
-7.85	49,257.39
-7.80	49,125.35
-7.75	48,993.71
-7.70	48,862.47
-7.65	48,731.61
-7.60	48,601.15
-7.55	48,471.08
-7.50	48,341.39
-7.45	48,212.10
-7.40	48,083.19

-7.35	47,954.67
-7.30	47,826.53
-7.25	47,698.77
-7.20	47,571.40
-7.15	47,444.41
-7.10	47,317.79
-7.05	47,191.56
-7.00	47,065.70
-6.95	46,940.21
-6.90	46,815.10
-6.85	46,690.36
-6.80	46,566.00
-6.75	46,442.00
-6.70	46,318.38
-6.65	46,195.12
-6.60	46,072.23
-6.55	45,949.70
-6.50	45,827.54
-6.45	45,705.74
-6.40	45,584.31
-6.35	45,463.23
-6.30	45,342.52
-6.25	45,222.16
-6.20	45,102.16
-6.15	44,982.52
-6.10	44,863.23
-6.05	44,744.30
-6.00	44,625.72
-5.95	44,507.49
-5.90	44,389.61
-5.85	44,272.08
-5.80	44,154.89
-5.75	44,038.06
-5.70	43,921.57
-5.65	43,805.43
-5.60	43,689.63
-5.55	43,574.17
-5.50	43,459.05
-5.45	43,344.28
-5.40	43,229.84
-5.35	43,115.74
-5.30	43,001.98
-5.25	42,888.55
-5.20	42,775.46
-5.15	42,662.70
-5.10	42,550.28
-5.05	42,438.19
-5.00	42,326.42
-4.95	42,214.99
-4.90	42,103.88
-4.85	41,993.11

-4.80	41,882.65
-4.75	41,772.53
-4.70	41,662.73
-4.65	41,553.25
-4.60	41,444.09
-4.55	41,335.25
-4.50	41,226.74
-4.45	41,118.54
-4.40	41,010.66
-4.35	40,903.10
-4.30	40,795.85
-4.25	40,688.92
-4.20	40,582.30
-4.15	40,476.00
-4.10	40,370.00
-4.05	40,264.32
-4.00	40,158.95
-3.95	40,053.88
-3.90	39,949.12
-3.85	39,844.67
-3.80	39,740.53
-3.75	39,636.69
-3.70	39,533.15
-3.65	39,429.92
-3.60	39,326.99
-3.55	39,224.36
-3.50	39,122.03
-3.45	39,020.00
-3.40	38,918.27
-3.35	38,816.83
-3.30	38,715.69
-3.25	38,614.85
-3.20	38,514.29
-3.15	38,414.04
-3.10	38,314.07
-3.05	38,214.40
-3.00	38,115.02
-2.95	38,015.92
-2.90	37,917.12
-2.85	37,818.60
-2.80	37,720.37
-2.75	37,622.42
-2.70	37,524.76
-2.65	37,427.39
-2.60	37,330.29
-2.55	37,233.48
-2.50	37,136.95
-2.45	37,040.70
-2.40	36,944.73
-2.35	36,849.04
-2.30	36,753.63

-2.25	36,658.49
-2.20	36,563.63
-2.15	36,469.04
-2.10	36,374.73
-2.05	36,280.69
-2.00	36,186.93
-1.95	36,093.43
-1.90	36,000.21
-1.85	35,907.25
-1.80	35,814.57
-1.75	35,722.15
-1.70	35,630.00
-1.65	35,538.12
-1.60	35,446.50
-1.55	35,355.14
-1.50	35,264.06
-1.45	35,173.23
-1.40	35,082.66
-1.35	34,992.36
-1.30	34,902.32
-1.25	34,812.54
-1.20	34,723.01
-1.15	34,633.75
-1.10	34,544.74
-1.05	34,455.99
-1.00	34,366.50
-0.95	34,278.30
-0.90	34,190.36
-0.85	34,102.68
-0.80	34,015.24
-0.75	33,928.06
-0.70	33,841.13
-0.65	33,754.45
-0.60	33,668.02
-0.55	33,581.83
-0.50	33,495.90
-0.45	33,410.21
-0.40	33,324.77
-0.35	33,239.57
-0.30	33,154.62
-0.25	33,069.91
-0.20	32,985.44
-0.15	32,901.22
-0.10	32,817.24
-0.05	32,733.50
0.00	32,650.00
0.05	32,566.74
0.10	32,483.72
0.15	32,400.93
0.20	32,318.38
0.25	32,236.07

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0.35	32,072.16
0.40	31,990.55
0.45	31,909.18
0.50	31,828.03
0.55	31,747.12
0.60	31,666.45
0.65	31,586.00
0.70	31,505.78
0.75	31,425.79
0.80	31,346.03
0.85	31,266.50
0.90	31,187.19
0.95	31,108.11
1.00	31,029.25
1.05	30,950.62
1.10	30,872.22
1.15	30,794.03
1.20	30,716.07
1.25	30,638.33
1.30	30,560.81
1.35	30,483.52
1.40	30,406.44
1.45	30,329.58
1.50	30,252.94
1.55	30,176.52
1.60	30,100.31
1.65	30,024.32
1.70	29,948.55
1.75	29,872.99
1.80	29,797.64
1.85	29,722.51
1.90	29,647.59
1.95	29,572.89
2.00	29,498.39
2.05	29,424.11
2.10	29,350.04
2.15	29,276.18
2.20	29,202.52
2.25	29,129.08
2.30	29,055.84
2.35	28,982.81
2.40	28,909.98
2.45	28,837.36
2.50	28,764.95
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2.60	28,620.73
2.65	28,548.93
2.70	28,477.33
2.75	28,405.93
2.80	28,334.74

2.85	28,263.74
2.90	28,192.94
2.95	28,122.35
3.00	28,051.95
3.05	27,981.75
3.10	27,911.75
3.15	27,841.94
3.20	27,772.34
3.25	27,702.92
3.30	27,633.70
3.35	27,564.68
3.40	27,495.85
3.45	27,427.22
3.50	27,358.77
3.55	27,290.52
3.60	27,222.46
3.65	27,154.59
3.70	27,086.91
3.75	27,019.43
3.80	26,952.13
3.85	26,885.02
3.90	26,818.09
3.95	26,751.36
4.00	26,684.81
4.05	26,618.45
4.10	26,552.27
4.15	26,486.28
4.20	26,420.47
4.25	26,354.85
4.30	26,289.41
4.35	26,224.15
4.40	26,159.08
4.45	26,094.18
4.50	26,029.47
4.55	25,964.94
4.60	25,900.59
4.65	25,836.42
4.70	25,772.42
4.75	25,708.61
4.80	25,644.97
4.85	25,581.51
4.90	25,518.23
4.95	25,455.13
5.00	25,392.19
5.05	25,329.44
5.10	25,266.86
5.15	25,204.45
5.20	25,142.22
5.25	25,080.16
5.30	25,018.27
5.35	24,956.55

5.40	24,895.01
5.45	24,833.63
5.50	24,772.43
5.55	24,711.39
5.60	24,650.53
5.65	24,589.83
5.70	24,529.31
5.75	24,468.95
5.80	24,408.75
5.85	24,348.73
5.90	24,288.87
5.95	24,229.17
6.00	24,169.64
6.05	24,110.28
6.10	24,051.08
6.15	23,992.04
6.20	23,933.17
6.25	23,874.46
6.30	23,815.91
6.35	23,757.52
6.40	23,699.30
6.45	23,641.23
6.50	23,583.33
6.55	23,525.58
6.60	23,468.00
6.65	23,410.57
6.70	23,353.30
6.75	23,296.19
6.80	23,239.23
6.85	23,182.44
6.90	23,125.80
6.95	23,069.31
7.00	23,012.98
7.05	22,956.81
7.10	22,900.79
7.15	22,844.92
7.20	22,789.21
7.25	22,733.65
7.30	22,678.24
7.35	22,622.99
7.40	22,567.88
7.45	22,512.93
7.50	22,458.13
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7.60	22,348.98
7.65	22,294.63
7.70	22,240.42
7.75	22,186.37
7.80	22,132.46
7.85	22,078.70
7.90	22,025.09

7.95	21,971.63
8.00	21,918.31
8.05	21,865.13
8.10	21,812.11
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8.20	21,706.48
8.25	21,653.89
8.30	21,601.44
8.35	21,549.13
8.40	21,496.97
8.45	21,444.94
8.50	21,393.06
8.55	21,341.32
8.60	21,289.73
8.65	21,238.27
8.70	21,186.95
8.75	21,135.77
8.80	21,084.73
8.85	21,033.83
8.90	20,983.07
8.95	20,932.45
9.00	20,881.97
9.05	20,831.62
9.10	20,781.41
9.15	20,731.33
9.20	20,681.39
9.25	20,631.59
9.30	20,581.92
9.35	20,532.39
9.40	20,482.99
9.45	20,433.72
9.50	20,384.59
9.55	20,335.59
9.60	20,286.73
9.65	20,238.00
9.70	20,189.39
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9.80	20,092.59
9.85	20,044.38
9.90	19,996.30
9.95	19,948.36
10.00	19,900.54
10.05	19,852.85
10.10	19,805.29
10.15	19,757.86
10.20	19,710.56
10.25	19,663.38
10.30	19,616.33
10.35	19,569.41
10.40	19,522.62
10.45	19,475.95

10.50	19,429.41
10.55	19,382.99
10.60	19,336.70
10.65	19,290.53
10.70	19,244.49
10.75	19,198.57
10.80	19,152.78
10.85	19,107.10
10.90	19,061.56
10.95	19,016.13
11.00	18,970.82
11.05	18,925.64
11.10	18,880.58
11.15	18,835.64
11.20	18,790.82
11.25	18,746.12
11.30	18,701.54
11.35	18,657.08
11.40	18,612.74
11.45	18,568.52
11.50	18,524.41
11.55	18,480.43
11.60	18,436.56
11.65	18,392.81
11.70	18,349.18
11.75	18,305.66
11.80	18,262.26
11.85	18,218.98
11.90	18,175.81
11.95	18,132.76
12.00	18,089.82
12.05	18,047.00
12.10	18,004.29
12.15	17,961.70
12.20	17,919.22
12.25	17,876.85
12.30	17,834.60
12.35	17,792.46
12.40	17,750.43
12.45	17,708.51
12.50	17,666.71
12.55	17,625.01
12.60	17,583.43
12.65	17,541.96
12.70	17,500.60
12.75	17,459.35
12.80	17,418.20
12.85	17,377.17
12.90	17,336.25
12.95	17,295.43
13.00	17,254.73

13.05	17,214.13
13.10	17,173.64
13.15	17,133.26
13.20	17,092.98
13.25	17,052.82
13.30	17,012.75
13.35	16,972.80
13.40	16,932.95
13.45	16,893.20
13.50	16,853.57
13.55	16,814.03
13.60	16,774.60
13.65	16,735.28
13.70	16,696.06
13.75	16,656.94
13.80	16,617.93
13.85	16,579.02
13.90	16,540.21
13.95	16,501.51
14.00	16,462.90
14.05	16,424.40
14.10	16,386.01
14.15	16,347.71
14.20	16,309.51
14.25	16,271.42
14.30	16,233.42
14.35	16,195.53
14.40	16,157.73
14.45	16,120.04
14.50	16,082.44
14.55	16,044.94
14.60	16,007.55
14.65	15,970.25
14.70	15,933.04
14.75	15,895.94
14.80	15,858.94
14.85	15,822.03
14.90	15,785.21
14.95	15,748.50
15.00	15,711.88
15.05	15,675.36
15.10	15,638.93
15.15	15,602.60
15.20	15,566.37
15.25	15,530.23
15.30	15,494.18
15.35	15,458.23
15.40	15,422.37
15.45	15,386.61
15.50	15,350.94
15.55	15,315.37

15.60	15,279.88
15.65	15,244.49
15.70	15,209.20
15.75	15,173.99
15.80	15,138.88
15.85	15,103.86
15.90	15,068.93
15.95	15,034.09
16.00	14,999.34
16.05	14,964.69
16.10	14,930.12
16.15	14,895.65
16.20	14,861.26
16.25	14,826.97
16.30	14,792.76
16.35	14,758.64
16.40	14,724.61
16.45	14,690.67
16.50	14,656.82
16.55	14,623.06
16.60	14,589.38
16.65	14,555.80
16.70	14,522.30
16.75	14,488.88
16.80	14,455.56
16.85	14,422.32
16.90	14,389.17
16.95	14,356.10
17.00	14,323.12
17.05	14,290.22
17.10	14,257.41
17.15	14,224.69
17.20	14,192.05
17.25	14,159.49
17.30	14,127.02
17.35	14,094.64
17.40	14,062.33
17.45	14,030.12
17.50	13,997.98
17.55	13,965.93
17.60	13,933.96
17.65	13,902.07
17.70	13,870.27
17.75	13,838.55
17.80	13,806.91
17.85	13,775.35
17.90	13,743.87
17.95	13,712.48
18.00	13,681.17
18.05	13,649.93
18.10	13,618.78

18.15	13,587.71
18.20	13,556.72
18.25	13,525.81
18.30	13,494.97
18.35	13,464.22
18.40	13,433.55
18.45	13,402.95
18.50	13,372.44
18.55	13,342.00
18.60	13,311.64
18.65	13,281.36
18.70	13,251.16
18.75	13,221.04
18.80	13,190.99
18.85	13,161.02
18.90	13,131.13
18.95	13,101.31
19.00	13,071.57
19.05	13,041.91
19.10	13,012.32
19.15	12,982.81
19.20	12,953.37
19.25	12,924.01
19.30	12,894.73
19.35	12,865.52
19.40	12,836.38
19.45	12,807.33
19.50	12,778.34
19.55	12,749.43
19.60	12,720.59
19.65	12,691.83
19.70	12,663.14
19.75	12,634.52
19.80	12,605.98
19.85	12,577.51
19.90	12,549.11
19.95	12,520.79
20.00	12,492.53
20.05	12,464.35
20.10	12,436.24
20.15	12,408.21
20.20	12,380.24
20.25	12,352.35
20.30	12,324.52
20.35	12,296.77
20.40	12,269.09
20.45	12,241.48
20.50	12,213.94
20.55	12,186.47
20.60	12,159.07
20.65	12,131.74

20.70	12,104.48
20.75	12,077.29
20.80	12,050.17
20.85	12,023.11
20.90	11,996.13
20.95	11,969.21
21.00	11,942.36
21.05	11,915.58
21.10	11,888.87
21.15	11,862.23
21.20	11,835.65
21.25	11,809.14
21.30	11,782.70
21.35	11,756.33
21.40	11,730.02
21.45	11,703.78
21.50	11,677.60
21.55	11,651.50
21.60	11,625.45
21.65	11,599.48
21.70	11,573.57
21.75	11,547.72
21.80	11,521.94
21.85	11,496.23
21.90	11,470.58
21.95	11,445.00
22.00	11,419.48
22.05	11,394.02
22.10	11,368.63
22.15	11,343.30
22.20	11,318.04
22.25	11,292.84
22.30	11,267.70
22.35	11,242.63
22.40	11,217.62
22.45	11,192.67
22.50	11,167.79
22.55	11,142.97
22.60	11,118.21
22.65	11,093.52
22.70	11,068.88
22.75	11,044.31
22.80	11,019.80
22.85	10,995.35
22.90	10,970.96
22.95	10,946.64
23.00	10,922.37
23.05	10,898.17
23.10	10,874.03
23.15	10,849.94
23.20	10,825.92

23.25	10,801.96
23.30	10,778.06
23.35	10,754.22
23.40	10,730.44
23.45	10,706.71
23.50	10,683.05
23.55	10,659.45
23.60	10,635.90
23.65	10,612.42
23.70	10,588.99
23.75	10,565.62
23.80	10,542.31
23.85	10,519.06
23.90	10,495.87
23.95	10,472.73
24.00	10,449.66
24.05	10,426.64
24.10	10,403.67
24.15	10,380.77
24.20	10,357.92
24.25	10,335.13
24.30	10,312.40
24.35	10,289.72
24.40	10,267.10
24.45	10,244.53
24.50	10,222.02
24.55	10,199.57
24.60	10,177.18
24.65	10,154.84
24.70	10,132.55
24.75	10,110.32
24.80	10,088.15
24.85	10,066.03
24.90	10,043.96
24.95	10,021.95
25.00	10,000.00
25.05	9,978.10
25.10	9,956.25
25.15	9,934.46
25.20	9,912.73
25.25	9,891.04
25.30	9,869.41
25.35	9,847.84
25.40	9,826.31
25.45	9,804.85
25.50	9,783.43
25.55	9,762.07
25.60	9,740.76
25.65	9,719.50
25.70	9,698.29
25.75	9,677.14

25.80	9,656.04
25.85	9,634.99
25.90	9,614.00
25.95	9,593.06
26.00	9,572.16
26.05	9,551.32
26.10	9,530.53
26.15	9,509.80
26.20	9,489.11
26.25	9,468.48
26.30	9,447.89
26.35	9,427.36
26.40	9,406.87
26.45	9,386.44
26.50	9,366.06
26.55	9,345.73
26.60	9,325.45
26.65	9,305.21
26.70	9,285.03
26.75	9,264.90
26.80	9,244.82
26.85	9,224.78
26.90	9,204.80
26.95	9,184.86
27.00	9,164.98
27.05	9,145.14
27.10	9,125.35
27.15	9,105.61
27.20	9,085.92
27.25	9,066.28
27.30	9,046.68
27.35	9,027.13
27.40	9,007.64
27.45	8,988.18
27.50	8,968.78
27.55	8,949.42
27.60	8,930.12
27.65	8,910.85
27.70	8,891.64
27.75	8,872.47
27.80	8,853.35
27.85	8,834.28
27.90	8,815.25
27.95	8,796.27
28.00	8,777.34
28.05	8,758.45
28.10	8,739.61
28.15	8,720.81
28.20	8,702.06
28.25	8,683.36
28.30	8,664.70

28.35	8,646.09
28.40	8,627.52
28.45	8,609.00
28.50	8,590.52
28.55	8,572.09
28.60	8,553.70
28.65	8,535.36
28.70	8,517.06
28.75	8,498.81
28.80	8,480.60
28.85	8,462.44
28.90	8,444.32
28.95	8,426.24
29.00	8,408.21
29.05	8,390.22
29.10	8,372.28
29.15	8,354.38
29.20	8,336.52
29.25	8,318.70
29.30	8,300.93
29.35	8,283.21
29.40	8,265.52
29.45	8,247.88
29.50	8,230.28
29.55	8,212.72
29.60	8,195.21
29.65	8,177.74
29.70	8,160.31
29.75	8,142.92
29.80	8,125.58
29.85	8,108.27
29.90	8,091.01
29.95	8,073.79
30.00	8,056.61
30.05	8,039.48
30.10	8,022.38
30.15	8,005.33
30.20	7,988.32
30.25	7,971.35
30.30	7,954.42
30.35	7,937.53
30.40	7,920.68
30.45	7,903.87
30.50	7,887.10
30.55	7,870.37
30.60	7,853.69
30.65	7,837.04
30.70	7,820.43
30.75	7,803.87
30.80	7,787.34
30.85	7,770.85

30.90	7,754.41
30.95	7,738.00
31.00	7,721.63
31.05	7,705.30
31.10	7,689.01
31.15	7,672.76
31.20	7,656.55
31.25	7,640.38
31.30	7,624.24
31.35	7,608.15
31.40	7,592.09
31.45	7,576.07
31.50	7,560.09
31.55	7,544.15
31.60	7,528.25
31.65	7,512.39
31.70	7,496.56
31.75	7,480.77
31.80	7,465.02
31.85	7,449.31
31.90	7,433.63
31.95	7,417.99
32.00	7,402.39
32.05	7,386.83
32.10	7,371.30
32.15	7,355.81
32.20	7,340.36
32.25	7,324.94
32.30	7,309.56
32.35	7,294.22
32.40	7,278.92
32.45	7,263.65
32.50	7,248.42
32.55	7,233.22
32.60	7,218.06
32.65	7,202.94
32.70	7,187.85
32.75	7,172.80
32.80	7,157.78
32.85	7,142.80
32.90	7,127.86
32.95	7,112.95
33.00	7,098.07
33.05	7,083.24
33.10	7,068.43
33.15	7,053.67
33.20	7,038.93
33.25	7,024.24
33.30	7,009.57
33.35	6,994.95
33.40	6,980.35

33.45	6,965.79
33.50	6,951.27
33.55	6,936.78
33.60	6,922.33
33.65	6,907.90
33.70	6,893.52
33.75	6,879.17
33.80	6,864.85
33.85	6,850.56
33.90	6,836.31
33.95	6,822.09
34.00	6,807.91
34.05	6,793.76
34.10	6,779.64
34.15	6,765.56
34.20	6,751.51
34.25	6,737.49
34.30	6,723.51
34.35	6,709.56
34.40	6,695.64
34.45	6,681.76
34.50	6,667.91
34.55	6,654.09
34.60	6,640.30
34.65	6,626.55
34.70	6,612.82
34.75	6,599.14
34.80	6,585.48
34.85	6,571.85
34.90	6,558.26
34.95	6,544.70
35.00	6,531.17
35.05	6,517.67
35.10	6,504.21
35.15	6,490.77
35.20	6,477.37
35.25	6,464.00
35.30	6,450.66
35.35	6,437.35
35.40	6,424.08
35.45	6,410.83
35.50	6,397.62
35.55	6,384.43
35.60	6,371.28
35.65	6,358.16
35.70	6,345.07
35.75	6,332.01
35.80	6,318.98
35.85	6,305.98
35.90	6,293.01
35.95	6,280.07

36.00	6,267.17
36.05	6,254.29
36.10	6,241.44
36.15	6,228.62
36.20	6,215.83
36.25	6,203.08
36.30	6,190.35
36.35	6,177.65
36.40	6,164.98
36.45	6,152.34
36.50	6,139.73
36.55	6,127.15
36.60	6,114.60
36.65	6,102.08
36.70	6,089.59
36.75	6,077.13
36.80	6,064.69
36.85	6,052.29
36.90	6,039.91
36.95	6,027.56
37.00	6,015.25
37.05	6,002.96
37.10	5,990.70
37.15	5,978.46
37.20	5,966.26
37.25	5,954.08
37.30	5,941.93
37.35	5,929.82
37.40	5,917.72
37.45	5,905.66
37.50	5,893.63
37.55	5,881.62
37.60	5,869.64
37.65	5,857.69
37.70	5,845.76
37.75	5,833.87
37.80	5,822.00
37.85	5,810.16
37.90	5,798.35
37.95	5,786.56
38.00	5,774.80
38.05	5,763.07
38.10	5,751.36
38.15	5,739.69
38.20	5,728.04
38.25	5,716.41
38.30	5,704.82
38.35	5,693.25
38.40	5,681.70
38.45	5,670.19
38.50	5,658.70

38.55	5,647.23
38.60	5,635.80
38.65	5,624.39
38.70	5,613.00
38.75	5,601.65
38.80	5,590.31
38.85	5,579.01
38.90	5,567.73
38.95	5,556.48
39.00	5,545.25
39.05	5,534.05
39.10	5,522.87
39.15	5,511.72
39.20	5,500.60
39.25	5,489.50
39.30	5,478.42
39.35	5,467.38
39.40	5,456.35
39.45	5,445.36
39.50	5,434.38
39.55	5,423.44
39.60	5,412.52
39.65	5,401.62
39.70	5,390.75
39.75	5,379.90
39.80	5,369.08
39.85	5,358.28
39.90	5,347.51
39.95	5,336.76
40.00	5,326.04
40.05	5,315.34
40.10	5,304.67
40.15	5,294.02
40.20	5,283.40
40.25	5,272.80
40.30	5,262.22
40.35	5,251.67
40.40	5,241.14
40.45	5,230.64
40.50	5,220.16
40.55	5,209.70
40.60	5,199.27
40.65	5,188.86
40.70	5,178.48
40.75	5,168.12
40.80	5,157.78
40.85	5,147.46
40.90	5,137.17
40.95	5,126.91
41.00	5,116.67
41.05	5,106.45

41.10	5,096.25
41.15	5,086.08
41.20	5,075.93
41.25	5,065.80
41.30	5,055.70
41.35	5,045.61
41.40	5,035.56
41.45	5,025.52
41.50	5,015.51
41.55	5,005.52
41.60	4,995.55
41.65	4,985.61
41.70	4,975.69
41.75	4,965.79
41.80	4,955.91
41.85	4,946.06
41.90	4,936.23
41.95	4,926.42
42.00	4,916.63
42.05	4,906.86
42.10	4,897.12
42.15	4,887.40
42.20	4,877.70
42.25	4,868.02
42.30	4,858.37
42.35	4,848.74
42.40	4,839.12
42.45	4,829.54
42.50	4,819.97
42.55	4,810.42
42.60	4,800.90
42.65	4,791.39
42.70	4,781.91
42.75	4,772.45
42.80	4,763.01
42.85	4,753.60
42.90	4,744.20
42.95	4,734.82
43.00	4,725.47
43.05	4,716.14
43.10	4,706.83
43.15	4,697.53
43.20	4,688.26
43.25	4,679.02
43.30	4,669.79
43.35	4,660.58
43.40	4,651.39
43.45	4,642.23
43.50	4,633.08
43.55	4,623.96
43.60	4,614.85

43.65	4,605.77
43.70	4,596.71
43.75	4,587.66
43.80	4,578.64
43.85	4,569.64
43.90	4,560.66
43.95	4,551.69
44.00	4,542.75
44.05	4,533.83
44.10	4,524.93
44.15	4,516.05
44.20	4,507.18
44.25	4,498.34
44.30	4,489.52
44.35	4,480.72
44.40	4,471.93
44.45	4,463.17
44.50	4,454.43
44.55	4,445.70
44.60	4,437.00
44.65	4,428.31
44.70	4,419.65
44.75	4,411.00
44.80	4,402.37
44.85	4,393.77
44.90	4,385.18
44.95	4,376.61
45.00	4,368.06
45.05	4,359.53
45.10	4,351.02
45.15	4,342.52
45.20	4,334.05
45.25	4,325.59
45.30	4,317.16
45.35	4,308.74
45.40	4,300.34
45.45	4,291.96
45.50	4,283.60
45.55	4,275.26
45.60	4,266.93
45.65	4,258.63
45.70	4,250.34
45.75	4,242.07
45.80	4,233.82
45.85	4,225.59
45.90	4,217.38
45.95	4,209.18
46.00	4,201.00
46.05	4,192.84
46.10	4,184.70
46.15	4,176.58

46.20	4,168.47
46.25	4,160.39
46.30	4,152.32
46.35	4,144.27
46.40	4,136.23
46.45	4,128.22
46.50	4,120.22
46.55	4,112.24
46.60	4,104.28
46.65	4,096.33
46.70	4,088.41
46.75	4,080.50
46.80	4,072.60
46.85	4,064.73
46.90	4,056.87
46.95	4,049.03
47.00	4,041.21
47.05	4,033.40
47.10	4,025.62
47.15	4,017.85
47.20	4,010.09
47.25	4,002.36
47.30	3,994.64
47.35	3,986.93
47.40	3,979.25
47.45	3,971.58
47.50	3,963.93
47.55	3,956.29
47.60	3,948.67
47.65	3,941.07
47.70	3,933.49
47.75	3,925.92
47.80	3,918.37
47.85	3,910.84
47.90	3,903.32
47.95	3,895.82
48.00	3,888.33
48.05	3,880.86
48.10	3,873.41
48.15	3,865.97
48.20	3,858.56
48.25	3,851.15
48.30	3,843.77
48.35	3,836.39
48.40	3,829.04
48.45	3,821.70
48.50	3,814.38
48.55	3,807.07
48.60	3,799.78
48.65	3,792.51
48.70	3,785.25

48.75	3,778.01
48.80	3,770.78
48.85	3,763.57
48.90	3,756.38
48.95	3,749.20
49.00	3,742.03
49.05	3,734.88
49.10	3,727.75
49.15	3,720.64
49.20	3,713.53
49.25	3,706.45
49.30	3,699.38
49.35	3,692.32
49.40	3,685.28
49.45	3,678.26
49.50	3,671.25
49.55	3,664.26
49.60	3,657.28
49.65	3,650.32
49.70	3,643.37
49.75	3,636.44
49.80	3,629.52
49.85	3,622.62
49.90	3,615.73
49.95	3,608.86
50.00	3,602.00
50.05	3,595.16
50.10	3,588.33
50.15	3,581.52
50.20	3,574.72
50.25	3,567.94
50.30	3,561.17
50.35	3,554.41
50.40	3,547.67
50.45	3,540.95
50.50	3,534.24
50.55	3,527.54
50.60	3,520.86
50.65	3,514.20
50.70	3,507.54
50.75	3,500.91
50.80	3,494.28
50.85	3,487.68
50.90	3,481.08
50.95	3,474.50
51.00	3,467.93
51.05	3,461.38
51.10	3,454.85
51.15	3,448.32
51.20	3,441.81
51.25	3,435.32

51.30	3,428.84
51.35	3,422.37
51.40	3,415.92
51.45	3,409.48
51.50	3,403.05
51.55	3,396.64
51.60	3,390.24
51.65	3,383.86
51.70	3,377.49
51.75	3,371.13
51.80	3,364.79
51.85	3,358.46
51.90	3,352.14
51.95	3,345.84
52.00	3,339.55
52.05	3,333.28
52.10	3,327.02
52.15	3,320.77
52.20	3,314.54
52.25	3,308.32
52.30	3,302.11
52.35	3,295.91
52.40	3,289.73
52.45	3,283.57
52.50	3,277.41
52.55	3,271.27
52.60	3,265.14
52.65	3,259.03
52.70	3,252.93
52.75	3,246.84
52.80	3,240.76
52.85	3,234.70
52.90	3,228.65
52.95	3,222.61
53.00	3,216.59
53.05	3,210.58
53.10	3,204.58
53.15	3,198.60
53.20	3,192.62
53.25	3,186.66
53.30	3,180.72
53.35	3,174.78
53.40	3,168.86
53.45	3,162.95
53.50	3,157.06
53.55	3,151.18
53.60	3,145.30
53.65	3,139.45
53.70	3,133.60
53.75	3,127.77
53.80	3,121.95

53.85	3,116.14
53.90	3,110.34
53.95	3,104.56
54.00	3,098.79
54.05	3,093.03
54.10	3,087.28
54.15	3,081.55
54.20	3,075.82
54.25	3,070.11
54.30	3,064.42
54.35	3,058.73
54.40	3,053.06
54.45	3,047.40
54.50	3,041.75
54.55	3,036.11
54.60	3,030.48
54.65	3,024.87
54.70	3,019.27
54.75	3,013.68
54.80	3,008.10
54.85	3,002.53
54.90	2,996.98
54.95	2,991.44
55.00	2,985.91
55.05	2,980.39
55.10	2,974.88
55.15	2,969.38
55.20	2,963.90
55.25	2,958.43
55.30	2,952.97
55.35	2,947.52
55.40	2,942.08
55.45	2,936.65
55.50	2,931.24
55.55	2,925.83
55.60	2,920.44
55.65	2,915.06
55.70	2,909.69
55.75	2,904.34
55.80	2,898.99
55.85	2,893.65
55.90	2,888.33
55.95	2,883.02
56.00	2,877.72
56.05	2,872.43
56.10	2,867.15
56.15	2,861.88
56.20	2,856.62
56.25	2,851.38
56.30	2,846.14
56.35	2,840.92

56.40	2,835.70
56.45	2,830.50
56.50	2,825.31
56.55	2,820.13
56.60	2,814.96
56.65	2,809.81
56.70	2,804.66
56.75	2,799.52
56.80	2,794.40
56.85	2,789.28
56.90	2,784.18
56.95	2,779.08
57.00	2,774.00
57.05	2,768.93
57.10	2,763.87
57.15	2,758.82
57.20	2,753.78
57.25	2,748.75
57.30	2,743.73
57.35	2,738.72
57.40	2,733.72
57.45	2,728.73
57.50	2,723.76
57.55	2,718.79
57.60	2,713.83
57.65	2,708.89
57.70	2,703.95
57.75	2,699.03
57.80	2,694.11
57.85	2,689.21
57.90	2,684.31
57.95	2,679.43
58.00	2,674.55
58.05	2,669.69
58.10	2,664.84
58.15	2,659.99
58.20	2,655.16
58.25	2,650.34
58.30	2,645.52
58.35	2,640.72
58.40	2,635.93
58.45	2,631.14
58.50	2,626.37
58.55	2,621.61
58.60	2,616.85
58.65	2,612.11
58.70	2,607.38
58.75	2,602.65
58.80	2,597.94
58.85	2,593.23
58.90	2,588.54

58.95	2,583.85
59.00	2,579.18
59.05	2,574.51
59.10	2,569.86
59.15	2,565.21
59.20	2,560.58
59.25	2,555.95
59.30	2,551.33
59.35	2,546.73
59.40	2,542.13
59.45	2,537.54
59.50	2,532.96
59.55	2,528.39
59.60	2,523.83
59.65	2,519.28
59.70	2,514.74
59.75	2,510.21
59.80	2,505.69
59.85	2,501.17
59.90	2,496.67
59.95	2,492.18
60.00	2,487.69
60.05	2,483.22
60.10	2,478.75
60.15	2,474.29
60.20	2,469.85
60.25	2,465.41
60.30	2,460.98
60.35	2,456.56
60.40	2,452.15
60.45	2,447.74
60.50	2,443.35
60.55	2,438.97
60.60	2,434.59
60.65	2,430.23
60.70	2,425.87
60.75	2,421.52
60.80	2,417.18
60.85	2,412.85
60.90	2,408.53
60.95	2,404.22
61.00	2,399.91
61.05	2,395.62
61.10	2,391.33
61.15	2,387.06
61.20	2,382.79
61.25	2,378.53
61.30	2,374.28
61.35	2,370.04
61.40	2,365.80
61.45	2,361.58

61.50	2,357.36
61.55	2,353.16
61.60	2,348.96
61.65	2,344.77
61.70	2,340.59
61.75	2,336.41
61.80	2,332.25
61.85	2,328.09
61.90	2,323.95
61.95	2,319.81
62.00	2,315.68
62.05	2,311.56
62.10	2,307.44
62.15	2,303.34
62.20	2,299.24
62.25	2,295.15
62.30	2,291.08
62.35	2,287.00
62.40	2,282.94
62.45	2,278.89
62.50	2,274.84
62.55	2,270.80
62.60	2,266.77
62.65	2,262.75
62.70	2,258.74
62.75	2,254.73
62.80	2,250.73
62.85	2,246.74
62.90	2,242.76
62.95	2,238.79
63.00	2,234.83
63.05	2,230.87
63.10	2,226.92
63.15	2,222.98
63.20	2,219.05
63.25	2,215.12
63.30	2,211.21
63.35	2,207.30
63.40	2,203.40
63.45	2,199.51
63.50	2,195.62
63.55	2,191.74
63.60	2,187.88
63.65	2,184.01
63.70	2,180.16
63.75	2,176.32
63.80	2,172.48
63.85	2,168.65
63.90	2,164.83
63.95	2,161.01
64.00	2,157.21

64.05	2,153.41
64.10	2,149.62
64.15	2,145.83
64.20	2,142.06
64.25	2,138.29
64.30	2,134.53
64.35	2,130.77
64.40	2,127.03
64.45	2,123.29
64.50	2,119.56
64.55	2,115.84
64.60	2,112.12
64.65	2,108.42
64.70	2,104.72
64.75	2,101.02
64.80	2,097.34
64.85	2,093.66
64.90	2,089.99
64.95	2,086.33
65.00	2,082.67
65.05	2,079.02
65.10	2,075.38
65.15	2,071.75
65.20	2,068.12
65.25	2,064.50
65.30	2,060.89
65.35	2,057.29
65.40	2,053.69
65.45	2,050.10
65.50	2,046.52
65.55	2,042.94
65.60	2,039.37
65.65	2,035.81
65.70	2,032.26
65.75	2,028.71
65.80	2,025.17
65.85	2,021.64
65.90	2,018.12
65.95	2,014.60
66.00	2,011.09
66.05	2,007.58
66.10	2,004.08
66.15	2,000.59
66.20	1,997.11
66.25	1,993.64
66.30	1,990.17
66.35	1,986.70
66.40	1,983.25
66.45	1,979.80
66.50	1,976.36
66.55	1,972.92

66.60	1,969.50
66.65	1,966.08
66.70	1,962.66
66.75	1,959.26
66.80	1,955.85
66.85	1,952.46
66.90	1,949.07
66.95	1,945.69
67.00	1,942.32
67.05	1,938.95
67.10	1,935.59
67.15	1,932.24
67.20	1,928.90
67.25	1,925.56
67.30	1,922.22
67.35	1,918.90
67.40	1,915.58
67.45	1,912.26
67.50	1,908.96
67.55	1,905.66
67.60	1,902.36
67.65	1,899.08
67.70	1,895.80
67.75	1,892.52
67.80	1,889.26
67.85	1,885.99
67.90	1,882.74
67.95	1,879.49
68.00	1,876.25
68.05	1,873.02
68.10	1,869.79
68.15	1,866.57
68.20	1,863.35
68.25	1,860.14
68.30	1,856.94
68.35	1,853.74
68.40	1,850.55
68.45	1,847.37
68.50	1,844.19
68.55	1,841.02
68.60	1,837.85
68.65	1,834.70
68.70	1,831.54
68.75	1,828.40
68.80	1,825.26
68.85	1,822.12
68.90	1,819.00
68.95	1,815.87
69.00	1,812.76
69.05	1,809.65
69.10	1,806.55

69.15	1,803.45
69.20	1,800.36
69.25	1,797.28
69.30	1,794.20
69.35	1,791.13
69.40	1,788.06
69.45	1,785.00
69.50	1,781.94
69.55	1,778.90
69.60	1,775.85
69.65	1,772.82
69.70	1,769.79
69.75	1,766.76
69.80	1,763.75
69.85	1,760.73
69.90	1,757.73
69.95	1,754.73
70.00	1,751.73
70.05	1,748.74
70.10	1,745.76
70.15	1,742.78
70.20	1,739.81
70.25	1,736.85
70.30	1,733.89
70.35	1,730.94
70.40	1,727.99
70.45	1,725.05
70.50	1,722.11
70.55	1,719.18
70.60	1,716.25
70.65	1,713.34
70.70	1,710.42
70.75	1,707.52
70.80	1,704.61
70.85	1,701.72
70.90	1,698.83
70.95	1,695.94
71.00	1,693.06
71.05	1,690.19
71.10	1,687.32
71.15	1,684.46
71.20	1,681.60
71.25	1,678.75
71.30	1,675.91
71.35	1,673.07
71.40	1,670.23
71.45	1,667.40
71.50	1,664.58
71.55	1,661.76
71.60	1,658.95
71.65	1,656.14

71.70	1,653.34
71.75	1,650.55
71.80	1,647.76
71.85	1,644.97
71.90	1,642.19
71.95	1,639.42
72.00	1,636.65
72.05	1,633.89
72.10	1,631.13
72.15	1,628.38
72.20	1,625.63
72.25	1,622.89
72.30	1,620.15
72.35	1,617.42
72.40	1,614.69
72.45	1,611.97
72.50	1,609.26
72.55	1,606.55
72.60	1,603.84
72.65	1,601.15
72.70	1,598.45
72.75	1,595.76
72.80	1,593.08
72.85	1,590.40
72.90	1,587.73
72.95	1,585.06
73.00	1,582.40
73.05	1,579.74
73.10	1,577.09
73.15	1,574.44
73.20	1,571.80
73.25	1,569.16
73.30	1,566.53
73.35	1,563.90
73.40	1,561.28
73.45	1,558.66
73.50	1,556.05
73.55	1,553.44
73.60	1,550.84
73.65	1,548.25
73.70	1,545.65
73.75	1,543.07
73.80	1,540.49
73.85	1,537.91
73.90	1,535.34
73.95	1,532.77
74.00	1,530.21
74.05	1,527.65
74.10	1,525.10
74.15	1,522.55
74.20	1,520.01

74.25	1,517.47
74.30	1,514.94
74.35	1,512.42
74.40	1,509.89
74.45	1,507.38
74.50	1,504.86
74.55	1,502.35
74.60	1,499.85
74.65	1,497.35
74.70	1,494.86
74.75	1,492.37
74.80	1,489.89
74.85	1,487.41
74.90	1,484.93
74.95	1,482.46
75.00	1,480.00
75.05	1,477.54
75.10	1,475.08
75.15	1,472.63
75.20	1,470.19
75.25	1,467.75
75.30	1,465.31
75.35	1,462.88
75.40	1,460.45
75.45	1,458.03
75.50	1,455.61
75.55	1,453.20
75.60	1,450.79
75.65	1,448.39
75.70	1,445.99
75.75	1,443.59
75.80	1,441.20
75.85	1,438.82
75.90	1,436.43
75.95	1,434.06
76.00	1,431.69
75.00	1,480.00
75.05	1,477.53
75.10	1,475.07
75.15	1,472.62
75.20	1,470.16
75.25	1,467.72
75.30	1,465.27
75.35	1,462.84
75.40	1,460.40
75.45	1,457.98
75.50	1,455.55
75.55	1,453.13
75.60	1,450.72
75.65	1,448.31
75.70	1,445.91

75.75	1,443.51
75.80	1,441.11
75.85	1,438.72
75.90	1,436.33
75.95	1,433.95
76.00	1,431.58
76.05	1,429.20
76.10	1,426.84
76.15	1,424.47
76.20	1,422.11
76.25	1,419.76
76.30	1,417.41
76.35	1,415.07
76.40	1,412.73
76.45	1,410.39
76.50	1,408.06
76.55	1,405.73
76.60	1,403.41
76.65	1,401.09
76.70	1,398.78
76.75	1,396.47
76.80	1,394.17
76.85	1,391.87
76.90	1,389.57
76.95	1,387.28
77.00	1,384.99
77.05	1,382.71
77.10	1,380.43
77.15	1,378.16
77.20	1,375.89
77.25	1,373.63
77.30	1,371.36
77.35	1,369.11
77.40	1,366.86
77.45	1,364.61
77.50	1,362.37
77.55	1,360.13
77.60	1,357.89
77.65	1,355.66
77.70	1,353.44
77.75	1,351.22
77.80	1,349.00
77.85	1,346.78
77.90	1,344.58
77.95	1,342.37
78.00	1,340.17
78.05	1,337.97
78.10	1,335.78
78.15	1,333.59
78.20	1,331.41
78.25	1,329.23

78.30	1,327.06
78.35	1,324.89
78.40	1,322.72
78.45	1,320.56
78.50	1,318.40
78.55	1,316.24
78.60	1,314.09
78.65	1,311.95
78.70	1,309.80
78.75	1,307.67
78.80	1,305.53
78.85	1,303.40
78.90	1,301.28
78.95	1,299.15
79.00	1,297.04
79.05	1,294.92
79.10	1,292.81
79.15	1,290.71
79.20	1,288.60
79.25	1,286.51
79.30	1,284.41
79.35	1,282.32
79.40	1,280.24
79.45	1,278.16
79.50	1,276.08
79.55	1,274.00
79.60	1,271.93
79.65	1,269.87
79.70	1,267.81
79.75	1,265.75
79.80	1,263.69
79.85	1,261.64
79.90	1,259.60
79.95	1,257.55
80.00	1,255.51