

Wilks (men)

Mathematical formula

*Relative strength adjusted total = kilogram total * 500 / (-216.0475144 + 16.2606339 * kilogram bodyweight + -0.002388645 * kilogram bodyweight^2 + \$ d * kilogram bodyweight^3 + 7.01863E-06 * kilogram bodyweight^4 + -1.291E-08 * kilogram bodyweight^5)*

To use the formula with pounds, first convert both the total and bodyweight to kilograms by dividing by 2.2046.

Formula generated official kilogram table with pound equivalents

Usage: *Relative strength adjusted total = bodyweight coefficient * total*

If the total is in pounds, make sure to locate the nearest bodyweight in pounds in the table (and vice versa for a kilogram total).

kg (lbs)	coeff	kg (lbs)	coeff	kg (lbs)	coeff	kg (lbs)	coeff	kg (lbs)	coeff	kg (lbs)	coeff
40 (88.2)	1.3354	40.1 (88.4)	1.3311	40.2 (88.6)	1.3268	40.3 (88.8)	1.3225	40.4 (89.1)	1.3182	40.5 (89.3)	1.314
40.6 (89.5)	1.3098	40.7 (89.7)	1.3057	40.8 (89.9)	1.3016	40.9 (90.2)	1.2975	41 (90.4)	1.2934	41.1 (90.6)	1.2894
41.2 (90.8)	1.2854	41.3 (91)	1.2814	41.4 (91.3)	1.2775	41.5 (91.5)	1.2736	41.6 (91.7)	1.2697	41.7 (91.9)	1.2658
41.8 (92.2)	1.262	41.9 (92.4)	1.2582	42 (92.6)	1.2545	42.1 (92.8)	1.2507	42.2 (93)	1.247	42.3 (93.3)	1.2433
42.4 (93.5)	1.2397	42.5 (93.7)	1.236	42.6 (93.9)	1.2324	42.7 (94.1)	1.2289	42.8 (94.4)	1.2253	42.9 (94.6)	1.2218
43 (94.8)	1.2183	43.1 (95)	1.2148	43.2 (95.2)	1.2113	43.3 (95.5)	1.2079	43.4 (95.7)	1.2045	43.5 (95.9)	1.2011
43.6 (96.1)	1.1978	43.7 (96.3)	1.1944	43.8 (96.6)	1.1911	43.9 (96.8)	1.1878	44 (97)	1.1846	44.1 (97.2)	1.1813
44.2 (97.4)	1.1781	44.3 (97.7)	1.1749	44.4 (97.9)	1.1717	44.5 (98.1)	1.1686	44.6 (98.3)	1.1654	44.7 (98.5)	1.1623
44.8 (98.8)	1.1592	44.9 (99)	1.1562	45 (99.2)	1.1531	45.1 (99.4)	1.1501	45.2 (99.6)	1.1471	45.3 (99.9)	1.1441
45.4 (100.1)	1.1411	45.5 (100.3)	1.1382	45.6 (100.5)	1.1352	45.7 (100.8)	1.1323	45.8 (101)	1.1294	45.9 (101.2)	1.1266
46 (101.4)	1.1237	46.1 (101.6)	1.1209	46.2 (101.9)	1.1181	46.3 (102.1)	1.1153	46.4 (102.3)	1.1125	46.5 (102.5)	1.1097
46.6 (102.7)	1.107	46.7 (103)	1.1042	46.8 (103.2)	1.1015	46.9 (103.4)	1.0988	47 (103.6)	1.0962	47.1 (103.8)	1.0935
47.2 (104.1)	1.0909	47.3 (104.3)	1.0882	47.4 (104.5)	1.0856	47.5 (104.7)	1.083	47.6 (104.9)	1.0805	47.7 (105.2)	1.0779
47.8	1.0754	47.9	1.0728	48	1.0703	48.1	1.0678	48.2	1.0653	48.3	1.0629

(105.4)		(105.6)		(105.8)		(106)		(106.3)		(106.5)	
48.4	1.0604	48.5	1.058	48.6	1.0556	48.7	1.0532	48.8	1.0508	48.9	1.0484
(106.7)		(106.9)		(107.1)		(107.4)		(107.6)		(107.8)	
49 (108)	1.046	49.1	1.0437	49.2	1.0413	49.3	1.039	49.4	1.0367	49.5	1.0344
		(108.2)		(108.5)		(108.7)		(108.9)		(109.1)	
49.6	1.0321	49.7	1.0299	49.8	1.0276	49.9	1.0254	50	1.0232	50.1	1.021
(109.3)		(109.6)		(109.8)		(110)		(110.2)		(110.5)	
50.2	1.0188	50.3	1.0166	50.4	1.0144	50.5	1.0122	50.6	1.0101	50.7	1.0079
(110.7)		(110.9)		(111.1)		(111.3)		(111.6)		(111.8)	
50.8	1.0058	50.9	1.0037	51	1.0016	51.1	0.9995	51.2	0.9975	51.3	0.9954
(112)		(112.2)		(112.4)		(112.7)		(112.9)		(113.1)	
51.4	0.9933	51.5	0.9913	51.6	0.9893	51.7	0.9873	51.8	0.9853	51.9	0.9833
(113.3)		(113.5)		(113.8)		(114)		(114.2)		(114.4)	
52	0.9813	52.1	0.9793	52.2	0.9773	52.3	0.9754	52.4	0.9735	52.5	0.9715
(114.6)		(114.9)		(115.1)		(115.3)		(115.5)		(115.7)	
52.6	0.9696	52.7	0.9677	52.8	0.9658	52.9	0.9639	53	0.9621	53.1	0.9602
(116)		(116.2)		(116.4)		(116.6)		(116.8)		(117.1)	
53.2	0.9583	53.3	0.9565	53.4	0.9547	53.5	0.9528	53.6	0.951	53.7	0.9492
(117.3)		(117.5)		(117.7)		(117.9)		(118.2)		(118.4)	
53.8	0.9474	53.9	0.9457	54 (119)	0.9439	54.1	0.9421	54.2	0.9404	54.3	0.9386
(118.6)		(118.8)				(119.3)		(119.5)		(119.7)	
54.4	0.9369	54.5	0.9352	54.6	0.9334	54.7	0.9317	54.8	0.93	54.9	0.9283
(119.9)		(120.2)		(120.4)		(120.6)		(120.8)		(121)	
55	0.9267	55.1	0.925	55.2	0.9233	55.3	0.9217	55.4	0.92	55.5	0.9184
(121.3)		(121.5)		(121.7)		(121.9)		(122.1)		(122.4)	
55.6	0.9168	55.7	0.9152	55.8	0.9135	55.9	0.9119	56	0.9103	56.1	0.9088
(122.6)		(122.8)		(123)		(123.2)		(123.5)		(123.7)	
56.2	0.9072	56.3	0.9056	56.4	0.9041	56.5	0.9025	56.6	0.901	56.7	0.8994
(123.9)		(124.1)		(124.3)		(124.6)		(124.8)		(125)	
56.8	0.8979	56.9	0.8964	57	0.8949	57.1	0.8934	57.2	0.8919	57.3	0.8904
(125.2)		(125.4)		(125.7)		(125.9)		(126.1)		(126.3)	
57.4	0.8889	57.5	0.8874	57.6	0.8859	57.7	0.8845	57.8	0.883	57.9	0.8816
(126.5)		(126.8)		(127)		(127.2)		(127.4)		(127.6)	
58	0.8802	58.1	0.8787	58.2	0.8773	58.3	0.8759	58.4	0.8745	58.5	0.8731
(127.9)		(128.1)		(128.3)		(128.5)		(128.7)		(129)	
58.6	0.8717	58.7	0.8703	58.8	0.8689	58.9	0.8675	59	0.8662	59.1	0.8648
(129.2)		(129.4)		(129.6)		(129.9)		(130.1)		(130.3)	
59.2	0.8635	59.3	0.8621	59.4	0.8608	59.5	0.8594	59.6	0.8581	59.7	0.8568
(130.5)		(130.7)		(131)		(131.2)		(131.4)		(131.6)	
59.8	0.8555	59.9	0.8542	60	0.8529	60.1	0.8516	60.2	0.8503	60.3	0.849
(131.8)		(132.1)		(132.3)		(132.5)		(132.7)		(132.9)	
60.4	0.8477	60.5	0.8465	60.6	0.8452	60.7	0.8439	60.8	0.8427	60.9	0.8415
(133.2)		(133.4)		(133.6)		(133.8)		(134)		(134.3)	
61	0.8402	61.1	0.839	61.2	0.8378	61.3	0.8365	61.4	0.8353	61.5	0.8341

(134.5)		(134.7)		(134.9)		(135.1)		(135.4)		(135.6)	
61.6	0.8329	61.7	0.8317	61.8	0.8305	61.9	0.8293	62	0.8281	62.1	0.827
(135.8)		(136)		(136.2)		(136.5)		(136.7)		(136.9)	
62.2	0.8258	62.3	0.8246	62.4	0.8235	62.5	0.8223	62.6	0.8212	62.7	0.82
(137.1)		(137.3)		(137.6)		(137.8)		(138)		(138.2)	
62.8	0.8189	62.9	0.8178	63	0.8166	63.1	0.8155	63.2	0.8144	63.3	0.8133
(138.4)		(138.7)		(138.9)		(139.1)		(139.3)		(139.6)	
63.4	0.8122	63.5	0.8111	63.6	0.81	63.7	0.8089	63.8	0.8078	63.9	0.8067
(139.8)		(140)		(140.2)		(140.4)		(140.7)		(140.9)	
64	0.8057	64.1	0.8046	64.2	0.8035	64.3	0.8025	64.4	0.8014	64.5	0.8004
(141.1)		(141.3)		(141.5)		(141.8)		(142)		(142.2)	
64.6	0.7993	64.7	0.7983	64.8	0.7973	64.9	0.7962	65	0.7952	65.1	0.7942
(142.4)		(142.6)		(142.9)		(143.1)		(143.3)		(143.5)	
65.2	0.7932	65.3	0.7922	65.4	0.7911	65.5	0.7901	65.6	0.7891	65.7	0.7881
(143.7)		(144)		(144.2)		(144.4)		(144.6)		(144.8)	
65.8	0.7872	65.9	0.7862	66	0.7852	66.1	0.7842	66.2	0.7832	66.3	0.7823
(145.1)		(145.3)		(145.5)		(145.7)		(145.9)		(146.2)	
66.4	0.7813	66.5	0.7804	66.6	0.7794	66.7	0.7785	66.8	0.7775	66.9	0.7766
(146.4)		(146.6)		(146.8)		(147)		(147.3)		(147.5)	
67	0.7756	67.1	0.7747	67.2	0.7738	67.3	0.7729	67.4	0.7719	67.5	0.771
(147.7)		(147.9)		(148.1)		(148.4)		(148.6)		(148.8)	
67.6	0.7701	67.7	0.7692	67.8	0.7683	67.9	0.7674	68	0.7665	68.1	0.7656
(149)		(149.3)		(149.5)		(149.7)		(149.9)		(150.1)	
68.2	0.7647	68.3	0.7638	68.4	0.763	68.5	0.7621	68.6	0.7612	68.7	0.7603
(150.4)		(150.6)		(150.8)		(151)		(151.2)		(151.5)	
68.8	0.7595	68.9	0.7586	69	0.7578	69.1	0.7569	69.2	0.7561	69.3	0.7552
(151.7)		(151.9)		(152.1)		(152.3)		(152.6)		(152.8)	
69.4	0.7544	69.5	0.7535	69.6	0.7527	69.7	0.7519	69.8	0.751	69.9	0.7502
(153)		(153.2)		(153.4)		(153.7)		(153.9)		(154.1)	
70	0.7494	70.1	0.7486	70.2	0.7478	70.3	0.7469	70.4	0.7461	70.5	0.7453
(154.3)		(154.5)		(154.8)		(155)		(155.2)		(155.4)	
70.6	0.7445	70.7	0.7437	70.8	0.743	70.9	0.7422	71	0.7414	71.1	0.7406
(155.6)		(155.9)		(156.1)		(156.3)		(156.5)		(156.7)	
71.2	0.7398	71.3	0.739	71.4	0.7383	71.5	0.7375	71.6	0.7367	71.7	0.736
(157)		(157.2)		(157.4)		(157.6)		(157.8)		(158.1)	
71.8	0.7352	71.9	0.7345	72	0.7337	72.1	0.733	72.2	0.7322	72.3	0.7315
(158.3)		(158.5)		(158.7)		(159)		(159.2)		(159.4)	
72.4	0.7307	72.5	0.73	72.6	0.7293	72.7	0.7285	72.8	0.7278	72.9	0.7271
(159.6)		(159.8)		(160.1)		(160.3)		(160.5)		(160.7)	
73	0.7264	73.1	0.7256	73.2	0.7249	73.3	0.7242	73.4	0.7235	73.5	0.7228
(160.9)		(161.2)		(161.4)		(161.6)		(161.8)		(162)	
73.6	0.7221	73.7	0.7214	73.8	0.7207	73.9	0.72	74	0.7193	74.1	0.7186
(162.3)		(162.5)		(162.7)		(162.9)		(163.1)		(163.4)	
74.2	0.7179	74.3	0.7173	74.4	0.7166	74.5	0.7159	74.6	0.7152	74.7	0.7146

(163.6)		(163.8)		(164)		(164.2)		(164.5)		(164.7)	
74.8	0.7139	74.9	0.7132	75	0.7126	75.1	0.7119	75.2	0.7112	75.3	0.7106
(164.9)		(165.1)		(165.3)		(165.6)		(165.8)		(166)	
75.4	0.7099	75.5	0.7093	75.6	0.7086	75.7	0.708	75.8	0.7074	75.9	0.7067
(166.2)		(166.4)		(166.7)		(166.9)		(167.1)		(167.3)	
76	0.7061	76.1	0.7055	76.2	0.7048	76.3	0.7042	76.4	0.7036	76.5	0.7029
(167.5)		(167.8)		(168)		(168.2)		(168.4)		(168.7)	
76.6	0.7023	76.7	0.7017	76.8	0.7011	76.9	0.7005	77	0.6999	77.1	0.6993
(168.9)		(169.1)		(169.3)		(169.5)		(169.8)		(170)	
77.2	0.6987	77.3	0.6981	77.4	0.6975	77.5	0.6969	77.6	0.6963	77.7	0.6957
(170.2)		(170.4)		(170.6)		(170.9)		(171.1)		(171.3)	
77.8	0.6951	77.9	0.6945	78 (172)	0.6939	78.1	0.6933	78.2	0.6927	78.3	0.6922
(171.5)		(171.7)				(172.2)		(172.4)		(172.6)	
78.4	0.6916	78.5	0.691	78.6	0.6905	78.7	0.6899	78.8	0.6893	78.9	0.6888
(172.8)		(173.1)		(173.3)		(173.5)		(173.7)		(173.9)	
79	0.6882	79.1	0.6876	79.2	0.6871	79.3	0.6865	79.4	0.686	79.5	0.6854
(174.2)		(174.4)		(174.6)		(174.8)		(175)		(175.3)	
79.6	0.6849	79.7	0.6843	79.8	0.6838	79.9	0.6832	80	0.6827	80.1	0.6822
(175.5)		(175.7)		(175.9)		(176.1)		(176.4)		(176.6)	
80.2	0.6816	80.3	0.6811	80.4	0.6806	80.5	0.68	80.6	0.6795	80.7	0.679
(176.8)		(177)		(177.2)		(177.5)		(177.7)		(177.9)	
80.8	0.6785	80.9	0.6779	81	0.6774	81.1	0.6769	81.2	0.6764	81.3	0.6759
(178.1)		(178.4)		(178.6)		(178.8)		(179)		(179.2)	
81.4	0.6754	81.5	0.6749	81.6	0.6744	81.7	0.6739	81.8	0.6734	81.9	0.6729
(179.5)		(179.7)		(179.9)		(180.1)		(180.3)		(180.6)	
82	0.6724	82.1	0.6719	82.2	0.6714	82.3	0.6709	82.4	0.6704	82.5	0.6699
(180.8)		(181)		(181.2)		(181.4)		(181.7)		(181.9)	
82.6	0.6694	82.7	0.6689	82.8	0.6685	82.9	0.668	83 (183)	0.6675	83.1	0.667
(182.1)		(182.3)		(182.5)		(182.8)				(183.2)	
83.2	0.6666	83.3	0.6661	83.4	0.6656	83.5	0.6651	83.6	0.6647	83.7	0.6642
(183.4)		(183.6)		(183.9)		(184.1)		(184.3)		(184.5)	
83.8	0.6637	83.9	0.6633	84	0.6628	84.1	0.6624	84.2	0.6619	84.3	0.6615
(184.7)		(185)		(185.2)		(185.4)		(185.6)		(185.8)	
84.4	0.661	84.5	0.6606	84.6	0.6601	84.7	0.6597	84.8	0.6592	84.9	0.6588
(186.1)		(186.3)		(186.5)		(186.7)		(187)		(187.2)	
85	0.6583	85.1	0.6579	85.2	0.6575	85.3	0.657	85.4	0.6566	85.5	0.6562
(187.4)		(187.6)		(187.8)		(188.1)		(188.3)		(188.5)	
85.6	0.6557	85.7	0.6553	85.8	0.6549	85.9	0.6545	86	0.654	86.1	0.6536
(188.7)		(188.9)		(189.2)		(189.4)		(189.6)		(189.8)	
86.2	0.6532	86.3	0.6528	86.4	0.6523	86.5	0.6519	86.6	0.6515	86.7	0.6511
(190)		(190.3)		(190.5)		(190.7)		(190.9)		(191.1)	
86.8	0.6507	86.9	0.6503	87	0.6499	87.1	0.6495	87.2	0.6491	87.3	0.6487
(191.4)		(191.6)		(191.8)		(192)		(192.2)		(192.5)	
87.4	0.6483	87.5	0.6479	87.6	0.6475	87.7	0.6471	87.8	0.6467	87.9	0.6463

(192.7)	(192.9)	(193.1)	(193.3)	(193.6)	(193.8)
88 (194) 0.6459	88.1 (194.2) 0.6455	88.2 (194.4) 0.6451	88.3 (194.7) 0.6447	88.4 (194.9) 0.6444	88.5 (195.1) 0.644
88.6 (195.3) 0.6436	88.7 (195.5) 0.6432	88.8 (195.8) 0.6428	88.9 (196) 0.6424	89 (196.2) 0.6421	89.1 (196.4) 0.6417
89.2 (196.7) 0.6413	89.3 (196.9) 0.641	89.4 (197.1) 0.6406	89.5 (197.3) 0.6402	89.6 (197.5) 0.6398	89.7 (197.8) 0.6395
89.8 (198) 0.6391	89.9 (198.2) 0.6388	90 (198.4) 0.6384	90.1 (198.6) 0.638	90.2 (198.9) 0.6377	90.3 (199.1) 0.6373
90.4 (199.3) 0.637	90.5 (199.5) 0.6366	90.6 (199.7) 0.6363	90.7 (200) 0.6359	90.8 (200.2) 0.6356	90.9 (200.4) 0.6352
91 (200.6) 0.6349	91.1 (200.8) 0.6345	91.2 (201.1) 0.6342	91.3 (201.3) 0.6338	91.4 (201.5) 0.6335	91.5 (201.7) 0.6331
91.6 (201.9) 0.6328	91.7 (202.2) 0.6325	91.8 (202.4) 0.6321	91.9 (202.6) 0.6318	92 (202.8) 0.6315	92.1 (203) 0.6311
92.2 (203.3) 0.6308	92.3 (203.5) 0.6305	92.4 (203.7) 0.6301	92.5 (203.9) 0.6298	92.6 (204.1) 0.6295	92.7 (204.4) 0.6292
92.8 (204.6) 0.6288	92.9 (204.8) 0.6285	93 (205) 0.6282	93.1 (205.2) 0.6279	93.2 (205.5) 0.6276	93.3 (205.7) 0.6272
93.4 (205.9) 0.6269	93.5 (206.1) 0.6266	93.6 (206.4) 0.6263	93.7 (206.6) 0.626	93.8 (206.8) 0.6257	93.9 (207) 0.6254
94 (207.2) 0.625	94.1 (207.5) 0.6247	94.2 (207.7) 0.6244	94.3 (207.9) 0.6241	94.4 (208.1) 0.6238	94.5 (208.3) 0.6235
94.6 (208.6) 0.6232	94.7 (208.8) 0.6229	94.8 (209) 0.6226	94.9 (209.2) 0.6223	95 (209.4) 0.622	95.1 (209.7) 0.6217
95.2 (209.9) 0.6214	95.3 (210.1) 0.6211	95.4 (210.3) 0.6209	95.5 (210.5) 0.6206	95.6 (210.8) 0.6203	95.7 (211) 0.62
95.8 (211.2) 0.6197	95.9 (211.4) 0.6194	96 (211.6) 0.6191	96.1 (211.9) 0.6188	96.2 (212.1) 0.6186	96.3 (212.3) 0.6183
96.4 (212.5) 0.618	96.5 (212.7) 0.6177	96.6 (213) 0.6174	96.7 (213.2) 0.6172	96.8 (213.4) 0.6169	96.9 (213.6) 0.6166
97 (213.8) 0.6163	97.1 (214.1) 0.6161	97.2 (214.3) 0.6158	97.3 (214.5) 0.6155	97.4 (214.7) 0.6152	97.5 (214.9) 0.615
97.6 (215.2) 0.6147	97.7 (215.4) 0.6144	97.8 (215.6) 0.6142	97.9 (215.8) 0.6139	98 (216.1) 0.6136	98.1 (216.3) 0.6134
98.2 (216.5) 0.6131	98.3 (216.7) 0.6129	98.4 (216.9) 0.6126	98.5 (217.2) 0.6123	98.6 (217.4) 0.6121	98.7 (217.6) 0.6118
98.8 (217.8) 0.6116	98.9 (218) 0.6113	99 (218.3) 0.6111	99.1 (218.5) 0.6108	99.2 (218.7) 0.6106	99.3 (218.9) 0.6103
99.4 (219.1) 0.6101	99.5 (219.4) 0.6098	99.6 (219.6) 0.6096	99.7 (219.8) 0.6093	99.8 (220) 0.6091	99.9 (220.2) 0.6088
100 (220.5) 0.6086	100.1 (220.7) 0.6083	100.2 (220.9) 0.6081	100.3 (221.1) 0.6079	100.4 (221.3) 0.6076	100.5 (221.6) 0.6074
100.6 0.6071	100.7 0.6069	100.8 0.6067	100.9 0.6064	101 0.6062	101.1 0.606

(221.8)		(222)		(222.2)		(222.4)		(222.7)		(222.9)	
101.2	0.6057	101.3	0.6055	101.4	0.6053	101.5	0.605	101.6	0.6048	101.7	0.6046
(223.1)		(223.3)		(223.5)		(223.8)		(224)		(224.2)	
101.8	0.6044	101.9	0.6041	102	0.6039	102.1	0.6037	102.2	0.6035	102.3	0.6032
(224.4)		(224.6)		(224.9)		(225.1)		(225.3)		(225.5)	
102.4	0.603	102.5	0.6028	102.6	0.6026	102.7	0.6024	102.8	0.6021	102.9	0.6019
(225.8)		(226)		(226.2)		(226.4)		(226.6)		(226.9)	
103	0.6017	103.1	0.6015	103.2	0.6013	103.3	0.6011	103.4	0.6009	103.5	0.6006
(227.1)		(227.3)		(227.5)		(227.7)		(228)		(228.2)	
103.6	0.6004	103.7	0.6002	103.8	0.6	103.9	0.5998	104	0.5996	104.1	0.5994
(228.4)		(228.6)		(228.8)		(229.1)		(229.3)		(229.5)	
104.2	0.5992	104.3	0.599	104.4	0.5988	104.5	0.5986	104.6	0.5984	104.7	0.5982
(229.7)		(229.9)		(230.2)		(230.4)		(230.6)		(230.8)	
104.8	0.598	104.9	0.5978	105	0.5976	105.1	0.5974	105.2	0.5972	105.3	0.597
(231)		(231.3)		(231.5)		(231.7)		(231.9)		(232.1)	
105.4	0.5968	105.5	0.5966	105.6	0.5964	105.7	0.5962	105.8	0.596	105.9	0.5958
(232.4)		(232.6)		(232.8)		(233)		(233.2)		(233.5)	
106	0.5956	106.1	0.5954	106.2	0.5952	106.3	0.595	106.4	0.5948	106.5	0.5946
(233.7)		(233.9)		(234.1)		(234.3)		(234.6)		(234.8)	
106.6	0.5945	106.7	0.5943	106.8	0.5941	106.9	0.5939	107	0.5937	107.1	0.5935
(235)		(235.2)		(235.5)		(235.7)		(235.9)		(236.1)	
107.2	0.5933	107.3	0.5932	107.4	0.593	107.5	0.5928	107.6	0.5926	107.7	0.5924
(236.3)		(236.6)		(236.8)		(237)		(237.2)		(237.4)	
107.8	0.5923	107.9	0.5921	108	0.5919	108.1	0.5917	108.2	0.5916	108.3	0.5914
(237.7)		(237.9)		(238.1)		(238.3)		(238.5)		(238.8)	
108.4	0.5912	108.5	0.591	108.6	0.5909	108.7	0.5907	108.8	0.5905	108.9	0.5903
(239)		(239.2)		(239.4)		(239.6)		(239.9)		(240.1)	
109	0.5902	109.1	0.59	109.2	0.5898	109.3	0.5897	109.4	0.5895	109.5	0.5893
(240.3)		(240.5)		(240.7)		(241)		(241.2)		(241.4)	
109.6	0.5892	109.7	0.589	109.8	0.5888	109.9	0.5887	110	0.5885	110.1	0.5883
(241.6)		(241.8)		(242.1)		(242.3)		(242.5)		(242.7)	
110.2	0.5882	110.3	0.588	110.4	0.5878	110.5	0.5877	110.6	0.5875	110.7	0.5874
(242.9)		(243.2)		(243.4)		(243.6)		(243.8)		(244)	
110.8	0.5872	110.9	0.587	111	0.5869	111.1	0.5867	111.2	0.5866	111.3	0.5864
(244.3)		(244.5)		(244.7)		(244.9)		(245.2)		(245.4)	
111.4	0.5863	111.5	0.5861	111.6	0.586	111.7	0.5858	111.8	0.5856	111.9	0.5855
(245.6)		(245.8)		(246)		(246.3)		(246.5)		(246.7)	
112	0.5853	112.1	0.5852	112.2	0.585	112.3	0.5849	112.4	0.5847	112.5	0.5846
(246.9)		(247.1)		(247.4)		(247.6)		(247.8)		(248)	
112.6	0.5844	112.7	0.5843	112.8	0.5841	112.9	0.584	113	0.5839	113.1	0.5837
(248.2)		(248.5)		(248.7)		(248.9)		(249.1)		(249.3)	
113.2	0.5836	113.3	0.5834	113.4	0.5833	113.5	0.5831	113.6	0.583	113.7	0.5828
(249.6)		(249.8)		(250)		(250.2)		(250.4)		(250.7)	
113.8	0.5827	113.9	0.5826	114	0.5824	114.1	0.5823	114.2	0.5821	114.3	0.582

(250.9)		(251.1)		(251.3)		(251.5)		(251.8)		(252)	
114.4 (252.2)	0.5819	114.5 (252.4)	0.5817	114.6 (252.6)	0.5816	114.7 (252.9)	0.5815	114.8 (253.1)	0.5813	114.9 (253.3)	0.5812
115 (253.5)	0.5811	115.1 (253.7)	0.5809	115.2 (254)	0.5808	115.3 (254.2)	0.5806	115.4 (254.4)	0.5805	115.5 (254.6)	0.5804
115.6 (254.9)	0.5803	115.7 (255.1)	0.5801	115.8 (255.3)	0.58	115.9 (255.5)	0.5799	116 (255.7)	0.5797	116.1 (256)	0.5796
116.2 (256.2)	0.5795	116.3 (256.4)	0.5793	116.4 (256.6)	0.5792	116.5 (256.8)	0.5791	116.6 (257.1)	0.579	116.7 (257.3)	0.5788
116.8 (257.5)	0.5787	116.9 (257.7)	0.5786	117 (257.9)	0.5785	117.1 (258.2)	0.5783	117.2 (258.4)	0.5782	117.3 (258.6)	0.5781
117.4 (258.8)	0.578	117.5 (259)	0.5778	117.6 (259.3)	0.5777	117.7 (259.5)	0.5776	117.8 (259.7)	0.5775	117.9 (259.9)	0.5774
118 (260.1)	0.5772	118.1 (260.4)	0.5771	118.2 (260.6)	0.577	118.3 (260.8)	0.5769	118.4 (261)	0.5768	118.5 (261.2)	0.5766
118.6 (261.5)	0.5765	118.7 (261.7)	0.5764	118.8 (261.9)	0.5763	118.9 (262.1)	0.5762	119 (262.3)	0.5761	119.1 (262.6)	0.5759
119.2 (262.8)	0.5758	119.3 (263)	0.5757	119.4 (263.2)	0.5756	119.5 (263.4)	0.5755	119.6 (263.7)	0.5754	119.7 (263.9)	0.5753
119.8 (264.1)	0.5751	119.9 (264.3)	0.575	120 (264.6)	0.5749	120.1 (264.8)	0.5748	120.2 (265)	0.5747	120.3 (265.2)	0.5746
120.4 (265.4)	0.5745	120.5 (265.7)	0.5744	120.6 (265.9)	0.5743	120.7 (266.1)	0.5742	120.8 (266.3)	0.574	120.9 (266.5)	0.5739
121 (266.8)	0.5738	121.1 (267)	0.5737	121.2 (267.2)	0.5736	121.3 (267.4)	0.5735	121.4 (267.6)	0.5734	121.5 (267.9)	0.5733
121.6 (268.1)	0.5732	121.7 (268.3)	0.5731	121.8 (268.5)	0.573	121.9 (268.7)	0.5729	122 (269)	0.5728	122.1 (269.2)	0.5727
122.2 (269.4)	0.5726	122.3 (269.6)	0.5725	122.4 (269.8)	0.5724	122.5 (270.1)	0.5723	122.6 (270.3)	0.5722	122.7 (270.5)	0.5721
122.8 (270.7)	0.572	122.9 (270.9)	0.5719	123 (271.2)	0.5718	123.1 (271.4)	0.5717	123.2 (271.6)	0.5716	123.3 (271.8)	0.5715
123.4 (272)	0.5714	123.5 (272.3)	0.5713	123.6 (272.5)	0.5712	123.7 (272.7)	0.5711	123.8 (272.9)	0.571	123.9 (273.1)	0.5709
124 (273.4)	0.5708	124.1 (273.6)	0.5707	124.2 (273.8)	0.5706	124.3 (274)	0.5705	124.4 (274.3)	0.5704	124.5 (274.5)	0.5703
124.6 (274.7)	0.5702	124.7 (274.9)	0.5701	124.8 (275.1)	0.57	124.9 (275.4)	0.5699	125 (275.6)	0.5698	125.1 (275.8)	0.5698
125.2 (276)	0.5697	125.3 (276.2)	0.5696	125.4 (276.5)	0.5695	125.5 (276.7)	0.5694	125.6 (276.9)	0.5693	125.7 (277.1)	0.5692
125.8 (277.3)	0.5691	125.9 (277.6)	0.569	126 (277.8)	0.5689	126.1 (278)	0.5688	126.2 (278.2)	0.5688	126.3 (278.4)	0.5687
126.4 (278.7)	0.5686	126.5 (278.9)	0.5685	126.6 (279.1)	0.5684	126.7 (279.3)	0.5683	126.8 (279.5)	0.5682	126.9 (279.8)	0.5681
127	0.5681	127.1	0.568	127.2	0.5679	127.3	0.5678	127.4	0.5677	127.5	0.5676

(280)		(280.2)		(280.4)		(280.6)		(280.9)		(281.1)	
127.6 (281.3)	0.5675	127.7 (281.5)	0.5675	127.8 (281.7)	0.5674	127.9 (282)	0.5673	128 (282.2)	0.5672	128.1 (282.4)	0.5671
128.2 (282.6)	0.567	128.3 (282.9)	0.567	128.4 (283.1)	0.5669	128.5 (283.3)	0.5668	128.6 (283.5)	0.5667	128.7 (283.7)	0.5666
128.8 (284)	0.5665	128.9 (284.2)	0.5665	129 (284.4)	0.5664	129.1 (284.6)	0.5663	129.2 (284.8)	0.5662	129.3 (285.1)	0.5661
129.4 (285.3)	0.5661	129.5 (285.5)	0.566	129.6 (285.7)	0.5659	129.7 (285.9)	0.5658	129.8 (286.2)	0.5658	129.9 (286.4)	0.5657
130 (286.6)	0.5656	130.1 (286.8)	0.5655	130.2 (287)	0.5654	130.3 (287.3)	0.5654	130.4 (287.5)	0.5653	130.5 (287.7)	0.5652
130.6 (287.9)	0.5651	130.7 (288.1)	0.5651	130.8 (288.4)	0.565	130.9 (288.6)	0.5649	131 (288.8)	0.5648	131.1 (289)	0.5647
131.2 (289.2)	0.5647	131.3 (289.5)	0.5646	131.4 (289.7)	0.5645	131.5 (289.9)	0.5644	131.6 (290.1)	0.5644	131.7 (290.3)	0.5643
131.8 (290.6)	0.5642	131.9 (290.8)	0.5642	132 (291)	0.5641	132.1 (291.2)	0.564	132.2 (291.4)	0.5639	132.3 (291.7)	0.5639
132.4 (291.9)	0.5638	132.5 (292.1)	0.5637	132.6 (292.3)	0.5636	132.7 (292.6)	0.5636	132.8 (292.8)	0.5635	132.9 (293)	0.5634
133 (293.2)	0.5634	133.1 (293.4)	0.5633	133.2 (293.7)	0.5632	133.3 (293.9)	0.5631	133.4 (294.1)	0.5631	133.5 (294.3)	0.563
133.6 (294.5)	0.5629	133.7 (294.8)	0.5629	133.8 (295)	0.5628	133.9 (295.2)	0.5627	134 (295.4)	0.5627	134.1 (295.6)	0.5626
134.2 (295.9)	0.5625	134.3 (296.1)	0.5624	134.4 (296.3)	0.5624	134.5 (296.5)	0.5623	134.6 (296.7)	0.5622	134.7 (297)	0.5622
134.8 (297.2)	0.5621	134.9 (297.4)	0.562	135 (297.6)	0.562	135.1 (297.8)	0.5619	135.2 (298.1)	0.5618	135.3 (298.3)	0.5618
135.4 (298.5)	0.5617	135.5 (298.7)	0.5616	135.6 (298.9)	0.5616	135.7 (299.2)	0.5615	135.8 (299.4)	0.5614	135.9 (299.6)	0.5614
136 (299.8)	0.5613	136.1 (300)	0.5612	136.2 (300.3)	0.5612	136.3 (300.5)	0.5611	136.4 (300.7)	0.561	136.5 (300.9)	0.561
136.6 (301.1)	0.5609	136.7 (301.4)	0.5609	136.8 (301.6)	0.5608	136.9 (301.8)	0.5607	137 (302)	0.5607	137.1 (302.3)	0.5606
137.2 (302.5)	0.5605	137.3 (302.7)	0.5605	137.4 (302.9)	0.5604	137.5 (303.1)	0.5603	137.6 (303.4)	0.5603	137.7 (303.6)	0.5602
137.8 (303.8)	0.5602	137.9 (304)	0.5601	138 (304.2)	0.56	138.1 (304.5)	0.56	138.2 (304.7)	0.5599	138.3 (304.9)	0.5598
138.4 (305.1)	0.5598	138.5 (305.3)	0.5597	138.6 (305.6)	0.5597	138.7 (305.8)	0.5596	138.8 (306)	0.5595	138.9 (306.2)	0.5595
139 (306.4)	0.5594	139.1 (306.7)	0.5593	139.2 (306.9)	0.5593	139.3 (307.1)	0.5592	139.4 (307.3)	0.5592	139.5 (307.5)	0.5591
139.6 (307.8)	0.559	139.7 (308)	0.559	139.8 (308.2)	0.5589	139.9 (308.4)	0.5589	140 (308.6)	0.5588	140.1 (308.9)	0.5587
140.2	0.5587	140.3	0.5586	140.4	0.5586	140.5	0.5585	140.6	0.5585	140.7	0.5584

(367.3)		(367.5)		(367.7)		(367.9)		(368.2)		(368.4)	
167.2	0.5446	167.3	0.5445	167.4	0.5445	167.5	0.5444	167.6	0.5444	167.7	0.5443
(368.6)		(368.8)		(369.1)		(369.3)		(369.5)		(369.7)	
167.8	0.5443	167.9	0.5442	168	0.5442	168.1	0.5441	168.2	0.5441	168.3	0.544
(369.9)		(370.2)		(370.4)		(370.6)		(370.8)		(371)	
168.4	0.544	168.5	0.5439	168.6	0.5439	168.7	0.5438	168.8	0.5438	168.9	0.5437
(371.3)		(371.5)		(371.7)		(371.9)		(372.1)		(372.4)	
169	0.5436	169.1	0.5436	169.2	0.5435	169.3	0.5435	169.4	0.5434	169.5	0.5434
(372.6)		(372.8)		(373)		(373.2)		(373.5)		(373.7)	
169.6	0.5433	169.7	0.5433	169.8	0.5432	169.9	0.5432	170	0.5431	170.1	0.5431
(373.9)		(374.1)		(374.3)		(374.6)		(374.8)		(375)	
170.2	0.543	170.3	0.543	170.4	0.5429	170.5	0.5429	170.6	0.5428	170.7	0.5428
(375.2)		(375.4)		(375.7)		(375.9)		(376.1)		(376.3)	
170.8	0.5427	170.9	0.5427	171	0.5426	171.1	0.5426	171.2	0.5425	171.3	0.5425
(376.5)		(376.8)		(377)		(377.2)		(377.4)		(377.6)	
171.4	0.5424	171.5	0.5424	171.6	0.5423	171.7	0.5423	171.8	0.5422	171.9	0.5422
(377.9)		(378.1)		(378.3)		(378.5)		(378.8)		(379)	
172	0.5421	172.1	0.5421	172.2	0.542	172.3	0.542	172.4	0.5419	172.5	0.5419
(379.2)		(379.4)		(379.6)		(379.9)		(380.1)		(380.3)	
172.6	0.5418	172.7	0.5418	172.8	0.5417	172.9	0.5417	173	0.5416	173.1	0.5416
(380.5)		(380.7)		(381)		(381.2)		(381.4)		(381.6)	
173.2	0.5415	173.3	0.5415	173.4	0.5414	173.5	0.5414	173.6	0.5413	173.7	0.5413
(381.8)		(382.1)		(382.3)		(382.5)		(382.7)		(382.9)	
173.8	0.5412	173.9	0.5412	174	0.5411	174.1	0.5411	174.2	0.541	174.3	0.541
(383.2)		(383.4)		(383.6)		(383.8)		(384)		(384.3)	
174.4	0.5409	174.5	0.5409	174.6	0.5408	174.7	0.5408	174.8	0.5407	174.9	0.5407
(384.5)		(384.7)		(384.9)		(385.1)		(385.4)		(385.6)	
175	0.5406	175.1	0.5406	175.2	0.5405	175.3	0.5405	175.4	0.5404	175.5	0.5404
(385.8)		(386)		(386.2)		(386.5)		(386.7)		(386.9)	
175.6	0.5403	175.7	0.5403	175.8	0.5402	175.9	0.5402	176	0.5401	176.1	0.5401
(387.1)		(387.3)		(387.6)		(387.8)		(388)		(388.2)	
176.2	0.54	176.3	0.54	176.4	0.5399	176.5	0.5399	176.6	0.5398	176.7	0.5398
(388.5)		(388.7)		(388.9)		(389.1)		(389.3)		(389.6)	
176.8	0.5397	176.9	0.5397	177	0.5396	177.1	0.5396	177.2	0.5395	177.3	0.5395
(389.8)		(390)		(390.2)		(390.4)		(390.7)		(390.9)	
177.4	0.5394	177.5	0.5394	177.6	0.5393	177.7	0.5393	177.8	0.5392	177.9	0.5392
(391.1)		(391.3)		(391.5)		(391.8)		(392)		(392.2)	
178	0.5391	178.1	0.5391	178.2	0.539	178.3	0.539	178.4	0.5389	178.5	0.5389
(392.4)		(392.6)		(392.9)		(393.1)		(393.3)		(393.5)	
178.6	0.5388	178.7	0.5388	178.8	0.5387	178.9	0.5387	179	0.5387	179.1	0.5386
(393.7)		(394)		(394.2)		(394.4)		(394.6)		(394.8)	
179.2	0.5386	179.3	0.5385	179.4	0.5385	179.5	0.5384	179.6	0.5384	179.7	0.5383
(395.1)		(395.3)		(395.5)		(395.7)		(395.9)		(396.2)	
179.8	0.5383	179.9	0.5382	180	0.5382	180.1	0.5381	180.2	0.5381	180.3	0.538

(396.4)		(396.6)		(396.8)		(397)		(397.3)		(397.5)	
180.4	0.538	180.5	0.5379	180.6	0.5379	180.7	0.5378	180.8	0.5378	180.9	0.5377
(397.7)		(397.9)		(398.2)		(398.4)		(398.6)		(398.8)	
181	0.5377	181.1	0.5377	181.2	0.5376	181.3	0.5376	181.4	0.5375	181.5	0.5375
(399)		(399.3)		(399.5)		(399.7)		(399.9)		(400.1)	
181.6	0.5374	181.7	0.5374	181.8	0.5373	181.9	0.5373	182	0.5372	182.1	0.5372
(400.4)		(400.6)		(400.8)		(401)		(401.2)		(401.5)	
182.2	0.5371	182.3	0.5371	182.4	0.5371	182.5	0.537	182.6	0.537	182.7	0.5369
(401.7)		(401.9)		(402.1)		(402.3)		(402.6)		(402.8)	
182.8	0.5369	182.9	0.5368	183	0.5368	183.1	0.5367	183.2	0.5367	183.3	0.5366
(403)		(403.2)		(403.4)		(403.7)		(403.9)		(404.1)	
183.4	0.5366	183.5	0.5366	183.6	0.5365	183.7	0.5365	183.8	0.5364	183.9	0.5364
(404.3)		(404.5)		(404.8)		(405)		(405.2)		(405.4)	
184	0.5363	184.1	0.5363	184.2	0.5362	184.3	0.5362	184.4	0.5362	184.5	0.5361
(405.6)		(405.9)		(406.1)		(406.3)		(406.5)		(406.7)	
184.6	0.5361	184.7	0.536	184.8	0.536	184.9	0.5359	185	0.5359	185.1	0.5359
(407)		(407.2)		(407.4)		(407.6)		(407.9)		(408.1)	
185.2	0.5358	185.3	0.5358	185.4	0.5357	185.5	0.5357	185.6	0.5356	185.7	0.5356
(408.3)		(408.5)		(408.7)		(409)		(409.2)		(409.4)	
185.8	0.5356	185.9	0.5355	186	0.5355	186.1	0.5354	186.2	0.5354	186.3	0.5353
(409.6)		(409.8)		(410.1)		(410.3)		(410.5)		(410.7)	
186.4	0.5353	186.5	0.5353	186.6	0.5352	186.7	0.5352	186.8	0.5351	186.9	0.5351
(410.9)		(411.2)		(411.4)		(411.6)		(411.8)		(412)	
187	0.5351	187.1	0.535	187.2	0.535	187.3	0.5349	187.4	0.5349	187.5	0.5349
(412.3)		(412.5)		(412.7)		(412.9)		(413.1)		(413.4)	
187.6	0.5348	187.7	0.5348	187.8	0.5347	187.9	0.5347	188	0.5347	188.1	0.5346
(413.6)		(413.8)		(414)		(414.2)		(414.5)		(414.7)	
188.2	0.5346	188.3	0.5345	188.4	0.5345	188.5	0.5345	188.6	0.5344	188.7	0.5344
(414.9)		(415.1)		(415.3)		(415.6)		(415.8)		(416)	
188.8	0.5344	188.9	0.5343	189	0.5343	189.1	0.5342	189.2	0.5342	189.3	0.5342
(416.2)		(416.4)		(416.7)		(416.9)		(417.1)		(417.3)	
189.4	0.5341	189.5	0.5341	189.6	0.5341	189.7	0.534	189.8	0.534	189.9	0.534
(417.6)		(417.8)		(418)		(418.2)		(418.4)		(418.7)	
190	0.5339	190.1	0.5339	190.2	0.5338	190.3	0.5338	190.4	0.5338	190.5	0.5337
(418.9)		(419.1)		(419.3)		(419.5)		(419.8)		(420)	
190.6	0.5337	190.7	0.5337	190.8	0.5336	190.9	0.5336	191	0.5336	191.1	0.5335
(420.2)		(420.4)		(420.6)		(420.9)		(421.1)		(421.3)	
191.2	0.5335	191.3	0.5335	191.4	0.5334	191.5	0.5334	191.6	0.5334	191.7	0.5333
(421.5)		(421.7)		(422)		(422.2)		(422.4)		(422.6)	
191.8	0.5333	191.9	0.5333	192	0.5332	192.1	0.5332	192.2	0.5332	192.3	0.5332
(422.8)		(423.1)		(423.3)		(423.5)		(423.7)		(423.9)	
192.4	0.5331	192.5	0.5331	192.6	0.5331	192.7	0.533	192.8	0.533	192.9	0.533
(424.2)		(424.4)		(424.6)		(424.8)		(425)		(425.3)	
193	0.5329	193.1	0.5329	193.2	0.5329	193.3	0.5329	193.4	0.5328	193.5	0.5328

