

**Andreev E.M. (2005): Russian life tables for the period 1956-2003.**

E.M. Andreev personal estimations based on official demographic statistics.

# Russia 1991

## Male

| x  | 1000q(x) | q(x) | p(x) | l(x)   | d(x) | 1000m(x) | m(x) | L(x)  | T(x)    | e(x)  |
|----|----------|------|------|--------|------|----------|------|-------|---------|-------|
| 0  | 19.64    | 0.02 | 0.98 | 100000 | 1964 | 19.99    | 0.02 | 98241 | 6341792 | 63.42 |
| 1  | 1.87     | 0.00 | 1.00 | 98036  | 183  | 1.87     | 0.00 | 97945 | 6243551 | 63.69 |
| 2  | 1.02     | 0.00 | 1.00 | 97853  | 100  | 1.02     | 0.00 | 97804 | 6145606 | 62.80 |
| 3  | 0.90     | 0.00 | 1.00 | 97754  | 88   | 0.90     | 0.00 | 97710 | 6047803 | 61.87 |
| 4  | 0.88     | 0.00 | 1.00 | 97666  | 86   | 0.88     | 0.00 | 97623 | 5950093 | 60.92 |
| 5  | 0.75     | 0.00 | 1.00 | 97580  | 74   | 0.76     | 0.00 | 97543 | 5852470 | 59.98 |
| 6  | 0.76     | 0.00 | 1.00 | 97506  | 74   | 0.76     | 0.00 | 97469 | 5754926 | 59.02 |
| 7  | 0.83     | 0.00 | 1.00 | 97432  | 80   | 0.83     | 0.00 | 97392 | 5657457 | 58.07 |
| 8  | 0.79     | 0.00 | 1.00 | 97352  | 77   | 0.79     | 0.00 | 97313 | 5560065 | 57.11 |
| 9  | 0.73     | 0.00 | 1.00 | 97275  | 71   | 0.73     | 0.00 | 97240 | 5462752 | 56.16 |
| 10 | 0.69     | 0.00 | 1.00 | 97204  | 67   | 0.69     | 0.00 | 97171 | 5365512 | 55.20 |
| 11 | 0.57     | 0.00 | 1.00 | 97137  | 56   | 0.57     | 0.00 | 97110 | 5268341 | 54.24 |
| 12 | 0.66     | 0.00 | 1.00 | 97082  | 64   | 0.66     | 0.00 | 97050 | 5171231 | 53.27 |
| 13 | 0.69     | 0.00 | 1.00 | 97018  | 67   | 0.69     | 0.00 | 96984 | 5074182 | 52.30 |
| 14 | 0.82     | 0.00 | 1.00 | 96951  | 79   | 0.82     | 0.00 | 96911 | 4977198 | 51.34 |
| 15 | 1.02     | 0.00 | 1.00 | 96871  | 99   | 1.02     | 0.00 | 96822 | 4880287 | 50.38 |
| 16 | 1.32     | 0.00 | 1.00 | 96772  | 128  | 1.33     | 0.00 | 96708 | 4783465 | 49.43 |
| 17 | 1.81     | 0.00 | 1.00 | 96644  | 174  | 1.81     | 0.00 | 96557 | 4686757 | 48.50 |
| 18 | 2.06     | 0.00 | 1.00 | 96470  | 198  | 2.06     | 0.00 | 96370 | 4590200 | 47.58 |
| 19 | 2.15     | 0.00 | 1.00 | 96271  | 207  | 2.15     | 0.00 | 96168 | 4493830 | 46.68 |
| 20 | 2.28     | 0.00 | 1.00 | 96064  | 219  | 2.28     | 0.00 | 95955 | 4397662 | 45.78 |
| 21 | 2.59     | 0.00 | 1.00 | 95845  | 248  | 2.59     | 0.00 | 95721 | 4301707 | 44.88 |
| 22 | 2.73     | 0.00 | 1.00 | 95597  | 261  | 2.73     | 0.00 | 95467 | 4205986 | 44.00 |
| 23 | 3.01     | 0.00 | 1.00 | 95336  | 287  | 3.01     | 0.00 | 95193 | 4110520 | 43.12 |
| 24 | 3.11     | 0.00 | 1.00 | 95049  | 295  | 3.11     | 0.00 | 94902 | 4015327 | 42.24 |
| 25 | 3.35     | 0.00 | 1.00 | 94754  | 317  | 3.36     | 0.00 | 94595 | 3920425 | 41.37 |
| 26 | 3.24     | 0.00 | 1.00 | 94437  | 306  | 3.25     | 0.00 | 94284 | 3825830 | 40.51 |
| 27 | 3.51     | 0.00 | 1.00 | 94131  | 330  | 3.51     | 0.00 | 93966 | 3731546 | 39.64 |
| 28 | 3.72     | 0.00 | 1.00 | 93801  | 349  | 3.72     | 0.00 | 93626 | 3637581 | 38.78 |
| 29 | 3.82     | 0.00 | 1.00 | 93452  | 357  | 3.82     | 0.00 | 93274 | 3543955 | 37.92 |
| 30 | 4.11     | 0.00 | 1.00 | 93095  | 383  | 4.12     | 0.00 | 92904 | 3450681 | 37.07 |
| 31 | 4.25     | 0.00 | 1.00 | 92712  | 394  | 4.26     | 0.00 | 92515 | 3357777 | 36.22 |
| 32 | 4.51     | 0.00 | 1.00 | 92318  | 416  | 4.52     | 0.00 | 92110 | 3265262 | 35.37 |
| 33 | 4.72     | 0.00 | 1.00 | 91902  | 434  | 4.74     | 0.00 | 91685 | 3173152 | 34.53 |
| 34 | 5.01     | 0.01 | 0.99 | 91468  | 458  | 5.02     | 0.01 | 91239 | 3081467 | 33.69 |
| 35 | 5.33     | 0.01 | 0.99 | 91010  | 485  | 5.35     | 0.01 | 90767 | 2990229 | 32.86 |
| 36 | 5.57     | 0.01 | 0.99 | 90524  | 504  | 5.58     | 0.01 | 90272 | 2899462 | 32.03 |
| 37 | 5.81     | 0.01 | 0.99 | 90020  | 523  | 5.83     | 0.01 | 89759 | 2809189 | 31.21 |
| 38 | 6.14     | 0.01 | 0.99 | 89497  | 550  | 6.16     | 0.01 | 89222 | 2719431 | 30.39 |
| 39 | 6.79     | 0.01 | 0.99 | 88947  | 604  | 6.81     | 0.01 | 88645 | 2630209 | 29.57 |
| 40 | 7.01     | 0.01 | 0.99 | 88343  | 619  | 7.03     | 0.01 | 88034 | 2541563 | 28.77 |
| 41 | 7.37     | 0.01 | 0.99 | 87724  | 646  | 7.39     | 0.01 | 87401 | 2453530 | 27.97 |
| 42 | 8.32     | 0.01 | 0.99 | 87078  | 725  | 8.36     | 0.01 | 86716 | 2366129 | 27.17 |
| 43 | 7.84     | 0.01 | 0.99 | 86353  | 677  | 7.87     | 0.01 | 86015 | 2279413 | 26.40 |
| 44 | 9.88     | 0.01 | 0.99 | 85676  | 846  | 9.93     | 0.01 | 85253 | 2193398 | 25.60 |

|    |        |      |      |       |      |        |      |       |         |       |
|----|--------|------|------|-------|------|--------|------|-------|---------|-------|
| 45 | 9.62   | 0.01 | 0.99 | 84830 | 816  | 9.67   | 0.01 | 84422 | 2108145 | 24.85 |
| 46 | 10.73  | 0.01 | 0.99 | 84014 | 901  | 10.79  | 0.01 | 83563 | 2023723 | 24.09 |
| 47 | 11.50  | 0.01 | 0.99 | 83112 | 956  | 11.57  | 0.01 | 82634 | 1940160 | 23.34 |
| 48 | 11.11  | 0.01 | 0.99 | 82156 | 913  | 11.18  | 0.01 | 81700 | 1857526 | 22.61 |
| 49 | 14.26  | 0.01 | 0.99 | 81243 | 1158 | 14.36  | 0.01 | 80664 | 1775826 | 21.86 |
| 50 | 14.02  | 0.01 | 0.99 | 80085 | 1123 | 14.12  | 0.01 | 79524 | 1695162 | 21.17 |
| 51 | 15.31  | 0.02 | 0.98 | 78962 | 1209 | 15.43  | 0.02 | 78358 | 1615638 | 20.46 |
| 52 | 16.87  | 0.02 | 0.98 | 77753 | 1312 | 17.01  | 0.02 | 77098 | 1537280 | 19.77 |
| 53 | 16.81  | 0.02 | 0.98 | 76442 | 1285 | 16.95  | 0.02 | 75800 | 1460183 | 19.10 |
| 54 | 18.85  | 0.02 | 0.98 | 75157 | 1416 | 19.03  | 0.02 | 74449 | 1384383 | 18.42 |
| 55 | 20.44  | 0.02 | 0.98 | 73741 | 1508 | 20.66  | 0.02 | 72987 | 1309934 | 17.76 |
| 56 | 21.87  | 0.02 | 0.98 | 72233 | 1580 | 22.11  | 0.02 | 71443 | 1236947 | 17.12 |
| 57 | 22.23  | 0.02 | 0.98 | 70653 | 1571 | 22.48  | 0.02 | 69868 | 1165504 | 16.50 |
| 58 | 24.40  | 0.02 | 0.98 | 69083 | 1685 | 24.70  | 0.02 | 68240 | 1095636 | 15.86 |
| 59 | 26.78  | 0.03 | 0.97 | 67397 | 1805 | 27.15  | 0.03 | 66495 | 1027395 | 15.24 |
| 60 | 29.58  | 0.03 | 0.97 | 65592 | 1940 | 30.02  | 0.03 | 64622 | 960901  | 14.65 |
| 61 | 31.67  | 0.03 | 0.97 | 63652 | 2016 | 32.18  | 0.03 | 62644 | 896279  | 14.08 |
| 62 | 33.37  | 0.03 | 0.97 | 61636 | 2057 | 33.94  | 0.03 | 60607 | 833635  | 13.53 |
| 63 | 37.43  | 0.04 | 0.96 | 59579 | 2230 | 38.14  | 0.04 | 58464 | 773027  | 12.97 |
| 64 | 38.26  | 0.04 | 0.96 | 57349 | 2194 | 39.01  | 0.04 | 56252 | 714563  | 12.46 |
| 65 | 40.94  | 0.04 | 0.96 | 55155 | 2258 | 41.80  | 0.04 | 54026 | 658311  | 11.94 |
| 66 | 44.85  | 0.04 | 0.96 | 52896 | 2373 | 45.88  | 0.05 | 51710 | 604286  | 11.42 |
| 67 | 48.49  | 0.05 | 0.95 | 50524 | 2450 | 49.69  | 0.05 | 49299 | 552575  | 10.94 |
| 68 | 48.59  | 0.05 | 0.95 | 48074 | 2336 | 49.80  | 0.05 | 46906 | 503276  | 10.47 |
| 69 | 53.31  | 0.05 | 0.95 | 45738 | 2438 | 54.77  | 0.05 | 44519 | 456370  | 9.98  |
| 70 | 57.13  | 0.06 | 0.94 | 43300 | 2474 | 58.81  | 0.06 | 42063 | 411851  | 9.51  |
| 71 | 60.06  | 0.06 | 0.94 | 40826 | 2452 | 61.92  | 0.06 | 39600 | 369788  | 9.06  |
| 72 | 69.32  | 0.07 | 0.93 | 38374 | 2660 | 71.81  | 0.07 | 37044 | 330188  | 8.60  |
| 73 | 70.83  | 0.07 | 0.93 | 35714 | 2530 | 73.43  | 0.07 | 34449 | 293144  | 8.21  |
| 74 | 71.28  | 0.07 | 0.93 | 33184 | 2365 | 73.91  | 0.07 | 32001 | 258695  | 7.80  |
| 75 | 82.21  | 0.08 | 0.92 | 30819 | 2534 | 85.73  | 0.09 | 29552 | 226694  | 7.36  |
| 76 | 90.48  | 0.09 | 0.91 | 28285 | 2559 | 94.77  | 0.09 | 27006 | 197142  | 6.97  |
| 77 | 96.02  | 0.10 | 0.90 | 25726 | 2470 | 100.87 | 0.10 | 24491 | 170136  | 6.61  |
| 78 | 101.96 | 0.10 | 0.90 | 23256 | 2371 | 107.44 | 0.11 | 22070 | 145645  | 6.26  |
| 79 | 110.79 | 0.11 | 0.89 | 20885 | 2314 | 117.29 | 0.12 | 19728 | 123575  | 5.92  |
| 80 | 117.39 | 0.12 | 0.88 | 18571 | 2180 | 124.71 | 0.12 | 17481 | 103847  | 5.59  |
| 81 | 128.43 | 0.13 | 0.87 | 16391 | 2105 | 137.24 | 0.14 | 15338 | 86366   | 5.27  |
| 82 | 139.97 | 0.14 | 0.86 | 14286 | 1999 | 150.50 | 0.15 | 13286 | 71028   | 4.97  |
| 83 | 151.81 | 0.15 | 0.85 | 12286 | 1865 | 164.29 | 0.16 | 11354 | 57742   | 4.70  |
| 84 | 162.45 | 0.16 | 0.84 | 10421 | 1693 | 176.82 | 0.18 | 9574  | 46389   | 4.45  |
| 85 | 165.95 | 0.17 | 0.83 | 8728  | 1448 | 180.96 | 0.18 | 8004  | 36814   | 4.22  |
| 86 | 177.51 | 0.18 | 0.82 | 7280  | 1292 | 194.80 | 0.19 | 6634  | 28811   | 3.96  |
| 87 | 196.17 | 0.20 | 0.80 | 5987  | 1175 | 217.51 | 0.22 | 5400  | 22177   | 3.70  |
| 88 | 205.76 | 0.21 | 0.79 | 4813  | 990  | 229.35 | 0.23 | 4318  | 16777   | 3.49  |
| 89 | 220.22 | 0.22 | 0.78 | 3823  | 842  | 247.47 | 0.25 | 3402  | 12459   | 3.26  |
| 90 | 232.26 | 0.23 | 0.77 | 2981  | 692  | 262.77 | 0.26 | 2635  | 9058    | 3.04  |
| 91 | 277.29 | 0.28 | 0.72 | 2288  | 635  | 321.93 | 0.32 | 1971  | 6423    | 2.81  |
| 92 | 280.66 | 0.28 | 0.72 | 1654  | 464  | 326.47 | 0.33 | 1422  | 4452    | 2.69  |
| 93 | 312.52 | 0.31 | 0.69 | 1190  | 372  | 370.40 | 0.37 | 1004  | 3030    | 2.55  |
| 94 | 309.05 | 0.31 | 0.69 | 818   | 253  | 365.54 | 0.37 | 692   | 2026    | 2.48  |

|     |         |      |      |     |     |        |      |     |      |      |
|-----|---------|------|------|-----|-----|--------|------|-----|------|------|
| 95  | 333.66  | 0.33 | 0.67 | 565 | 189 | 400.47 | 0.40 | 471 | 1335 | 2.36 |
| 96  | 328.48  | 0.33 | 0.67 | 377 | 124 | 393.03 | 0.39 | 315 | 864  | 2.29 |
| 97  | 339.81  | 0.34 | 0.66 | 253 | 86  | 409.37 | 0.41 | 210 | 549  | 2.17 |
| 98  | 315.84  | 0.32 | 0.68 | 167 | 53  | 375.07 | 0.38 | 141 | 339  | 2.03 |
| 99  | 339.92  | 0.34 | 0.66 | 114 | 39  | 409.52 | 0.41 | 95  | 199  | 1.74 |
| 100 | 1000.00 | 1.00 | 0.00 | 75  | 75  | 725.03 | 0.73 | 104 | 104  | 1.38 |

# Female

| x  | 1000q(x) | q(x) | p(x) | l(x)   | d(x) | 1000m(x) | m(x) | L(x)  | T(x)    | e(x)  |
|----|----------|------|------|--------|------|----------|------|-------|---------|-------|
| 0  | 14.46    | 0.01 | 0.99 | 100000 | 1446 | 14.65    | 0.01 | 98692 | 7422683 | 74.23 |
| 1  | 1.54     | 0.00 | 1.00 | 98554  | 152  | 1.54     | 0.00 | 98478 | 7323992 | 74.31 |
| 2  | 0.85     | 0.00 | 1.00 | 98403  | 83   | 0.85     | 0.00 | 98361 | 7225513 | 73.43 |
| 3  | 0.59     | 0.00 | 1.00 | 98319  | 58   | 0.59     | 0.00 | 98291 | 7127152 | 72.49 |
| 4  | 0.59     | 0.00 | 1.00 | 98262  | 58   | 0.59     | 0.00 | 98233 | 7028862 | 71.53 |
| 5  | 0.45     | 0.00 | 1.00 | 98204  | 44   | 0.45     | 0.00 | 98182 | 6930629 | 70.57 |
| 6  | 0.40     | 0.00 | 1.00 | 98160  | 39   | 0.40     | 0.00 | 98141 | 6832447 | 69.61 |
| 7  | 0.40     | 0.00 | 1.00 | 98121  | 40   | 0.40     | 0.00 | 98102 | 6734306 | 68.63 |
| 8  | 0.38     | 0.00 | 1.00 | 98082  | 38   | 0.38     | 0.00 | 98063 | 6636204 | 67.66 |
| 9  | 0.36     | 0.00 | 1.00 | 98044  | 36   | 0.36     | 0.00 | 98026 | 6538141 | 66.69 |
| 10 | 0.29     | 0.00 | 1.00 | 98009  | 28   | 0.29     | 0.00 | 97994 | 6440115 | 65.71 |
| 11 | 0.30     | 0.00 | 1.00 | 97980  | 29   | 0.30     | 0.00 | 97966 | 6342120 | 64.73 |
| 12 | 0.33     | 0.00 | 1.00 | 97951  | 32   | 0.33     | 0.00 | 97935 | 6244155 | 63.75 |
| 13 | 0.37     | 0.00 | 1.00 | 97919  | 36   | 0.37     | 0.00 | 97901 | 6146220 | 62.77 |
| 14 | 0.39     | 0.00 | 1.00 | 97883  | 38   | 0.39     | 0.00 | 97864 | 6048319 | 61.79 |
| 15 | 0.53     | 0.00 | 1.00 | 97845  | 52   | 0.53     | 0.00 | 97820 | 5950454 | 60.81 |
| 16 | 0.65     | 0.00 | 1.00 | 97794  | 64   | 0.65     | 0.00 | 97762 | 5852635 | 59.85 |
| 17 | 0.71     | 0.00 | 1.00 | 97730  | 69   | 0.71     | 0.00 | 97696 | 5754873 | 58.89 |
| 18 | 0.66     | 0.00 | 1.00 | 97661  | 65   | 0.66     | 0.00 | 97629 | 5657177 | 57.93 |
| 19 | 0.76     | 0.00 | 1.00 | 97596  | 74   | 0.76     | 0.00 | 97559 | 5559548 | 56.96 |
| 20 | 0.68     | 0.00 | 1.00 | 97522  | 66   | 0.68     | 0.00 | 97489 | 5461989 | 56.01 |
| 21 | 0.75     | 0.00 | 1.00 | 97457  | 74   | 0.76     | 0.00 | 97420 | 5364500 | 55.05 |
| 22 | 0.78     | 0.00 | 1.00 | 97383  | 76   | 0.78     | 0.00 | 97345 | 5267080 | 54.09 |
| 23 | 0.75     | 0.00 | 1.00 | 97307  | 73   | 0.75     | 0.00 | 97271 | 5169735 | 53.13 |
| 24 | 0.73     | 0.00 | 1.00 | 97234  | 71   | 0.74     | 0.00 | 97199 | 5072464 | 52.17 |
| 25 | 0.75     | 0.00 | 1.00 | 97163  | 73   | 0.75     | 0.00 | 97126 | 4975265 | 51.21 |
| 26 | 0.85     | 0.00 | 1.00 | 97090  | 82   | 0.85     | 0.00 | 97049 | 4878139 | 50.24 |
| 27 | 0.86     | 0.00 | 1.00 | 97007  | 84   | 0.86     | 0.00 | 96966 | 4781090 | 49.29 |
| 28 | 0.91     | 0.00 | 1.00 | 96924  | 88   | 0.91     | 0.00 | 96880 | 4684124 | 48.33 |
| 29 | 0.91     | 0.00 | 1.00 | 96836  | 88   | 0.91     | 0.00 | 96792 | 4587244 | 47.37 |
| 30 | 1.00     | 0.00 | 1.00 | 96747  | 97   | 1.00     | 0.00 | 96699 | 4490453 | 46.41 |
| 31 | 1.06     | 0.00 | 1.00 | 96650  | 102  | 1.06     | 0.00 | 96599 | 4393754 | 45.46 |
| 32 | 1.06     | 0.00 | 1.00 | 96548  | 102  | 1.06     | 0.00 | 96497 | 4297154 | 44.51 |
| 33 | 1.20     | 0.00 | 1.00 | 96446  | 116  | 1.20     | 0.00 | 96388 | 4200657 | 43.55 |
| 34 | 1.22     | 0.00 | 1.00 | 96330  | 118  | 1.23     | 0.00 | 96271 | 4104269 | 42.61 |
| 35 | 1.37     | 0.00 | 1.00 | 96212  | 132  | 1.37     | 0.00 | 96146 | 4007998 | 41.66 |
| 36 | 1.48     | 0.00 | 1.00 | 96080  | 142  | 1.48     | 0.00 | 96009 | 3911852 | 40.71 |
| 37 | 1.61     | 0.00 | 1.00 | 95938  | 155  | 1.61     | 0.00 | 95861 | 3815842 | 39.77 |
| 38 | 1.67     | 0.00 | 1.00 | 95783  | 160  | 1.67     | 0.00 | 95704 | 3719982 | 38.84 |

|    |        |      |      |       |      |        |      |       |         |       |
|----|--------|------|------|-------|------|--------|------|-------|---------|-------|
| 39 | 1.90   | 0.00 | 1.00 | 95624 | 182  | 1.90   | 0.00 | 95533 | 3624278 | 37.90 |
| 40 | 2.01   | 0.00 | 1.00 | 95442 | 192  | 2.01   | 0.00 | 95346 | 3528745 | 36.97 |
| 41 | 2.35   | 0.00 | 1.00 | 95250 | 223  | 2.35   | 0.00 | 95138 | 3433399 | 36.05 |
| 42 | 2.50   | 0.00 | 1.00 | 95027 | 238  | 2.50   | 0.00 | 94908 | 3338260 | 35.13 |
| 43 | 2.51   | 0.00 | 1.00 | 94789 | 238  | 2.52   | 0.00 | 94670 | 3243353 | 34.22 |
| 44 | 3.27   | 0.00 | 1.00 | 94551 | 309  | 3.27   | 0.00 | 94396 | 3148682 | 33.30 |
| 45 | 3.09   | 0.00 | 1.00 | 94242 | 291  | 3.10   | 0.00 | 94096 | 3054286 | 32.41 |
| 46 | 3.59   | 0.00 | 1.00 | 93950 | 337  | 3.59   | 0.00 | 93782 | 2960190 | 31.51 |
| 47 | 3.81   | 0.00 | 1.00 | 93613 | 357  | 3.82   | 0.00 | 93435 | 2866408 | 30.62 |
| 48 | 3.61   | 0.00 | 1.00 | 93257 | 337  | 3.62   | 0.00 | 93088 | 2772973 | 29.73 |
| 49 | 4.61   | 0.00 | 1.00 | 92920 | 428  | 4.62   | 0.00 | 92706 | 2679885 | 28.84 |
| 50 | 4.49   | 0.00 | 1.00 | 92491 | 415  | 4.50   | 0.00 | 92284 | 2587179 | 27.97 |
| 51 | 5.07   | 0.01 | 0.99 | 92077 | 467  | 5.08   | 0.01 | 91843 | 2494895 | 27.10 |
| 52 | 5.56   | 0.01 | 0.99 | 91610 | 509  | 5.57   | 0.01 | 91355 | 2403052 | 26.23 |
| 53 | 5.58   | 0.01 | 0.99 | 91101 | 508  | 5.60   | 0.01 | 90847 | 2311696 | 25.38 |
| 54 | 6.49   | 0.01 | 0.99 | 90593 | 588  | 6.51   | 0.01 | 90299 | 2220850 | 24.51 |
| 55 | 7.33   | 0.01 | 0.99 | 90005 | 660  | 7.36   | 0.01 | 89675 | 2130551 | 23.67 |
| 56 | 8.02   | 0.01 | 0.99 | 89345 | 716  | 8.05   | 0.01 | 88987 | 2040876 | 22.84 |
| 57 | 8.17   | 0.01 | 0.99 | 88629 | 725  | 8.21   | 0.01 | 88267 | 1951888 | 22.02 |
| 58 | 9.19   | 0.01 | 0.99 | 87904 | 807  | 9.23   | 0.01 | 87501 | 1863622 | 21.20 |
| 59 | 10.19  | 0.01 | 0.99 | 87097 | 887  | 10.24  | 0.01 | 86653 | 1776121 | 20.39 |
| 60 | 11.10  | 0.01 | 0.99 | 86210 | 957  | 11.17  | 0.01 | 85731 | 1689468 | 19.60 |
| 61 | 12.06  | 0.01 | 0.99 | 85252 | 1028 | 12.13  | 0.01 | 84738 | 1603736 | 18.81 |
| 62 | 13.39  | 0.01 | 0.99 | 84224 | 1128 | 13.48  | 0.01 | 83660 | 1518998 | 18.04 |
| 63 | 14.78  | 0.01 | 0.99 | 83096 | 1228 | 14.89  | 0.01 | 82482 | 1435338 | 17.27 |
| 64 | 16.19  | 0.02 | 0.98 | 81868 | 1326 | 16.33  | 0.02 | 81205 | 1352855 | 16.52 |
| 65 | 17.86  | 0.02 | 0.98 | 80542 | 1438 | 18.02  | 0.02 | 79823 | 1271650 | 15.79 |
| 66 | 19.84  | 0.02 | 0.98 | 79104 | 1569 | 20.04  | 0.02 | 78320 | 1191827 | 15.07 |
| 67 | 22.44  | 0.02 | 0.98 | 77535 | 1740 | 22.69  | 0.02 | 76665 | 1113507 | 14.36 |
| 68 | 23.92  | 0.02 | 0.98 | 75795 | 1813 | 24.21  | 0.02 | 74889 | 1036842 | 13.68 |
| 69 | 27.15  | 0.03 | 0.97 | 73982 | 2009 | 27.52  | 0.03 | 72978 | 961953  | 13.00 |
| 70 | 29.99  | 0.03 | 0.97 | 71973 | 2158 | 30.44  | 0.03 | 70894 | 888976  | 12.35 |
| 71 | 32.41  | 0.03 | 0.97 | 69815 | 2263 | 32.94  | 0.03 | 68684 | 818081  | 11.72 |
| 72 | 38.27  | 0.04 | 0.96 | 67553 | 2585 | 39.02  | 0.04 | 66260 | 749398  | 11.09 |
| 73 | 39.84  | 0.04 | 0.96 | 64967 | 2588 | 40.65  | 0.04 | 63673 | 683138  | 10.52 |
| 74 | 41.26  | 0.04 | 0.96 | 62379 | 2574 | 42.13  | 0.04 | 61092 | 619465  | 9.93  |
| 75 | 48.12  | 0.05 | 0.95 | 59805 | 2878 | 49.31  | 0.05 | 58366 | 558372  | 9.34  |
| 76 | 54.82  | 0.05 | 0.95 | 56927 | 3121 | 56.36  | 0.06 | 55367 | 500006  | 8.78  |
| 77 | 59.70  | 0.06 | 0.94 | 53807 | 3212 | 61.53  | 0.06 | 52201 | 444639  | 8.26  |
| 78 | 65.33  | 0.07 | 0.93 | 50595 | 3305 | 67.53  | 0.07 | 48942 | 392438  | 7.76  |
| 79 | 73.74  | 0.07 | 0.93 | 47290 | 3487 | 76.57  | 0.08 | 45546 | 343496  | 7.26  |
| 80 | 81.81  | 0.08 | 0.92 | 43802 | 3584 | 85.30  | 0.09 | 42011 | 297950  | 6.80  |
| 81 | 93.17  | 0.09 | 0.91 | 40219 | 3747 | 97.73  | 0.10 | 38345 | 255939  | 6.36  |
| 82 | 99.27  | 0.10 | 0.90 | 36471 | 3620 | 104.45 | 0.10 | 34661 | 217594  | 5.97  |
| 83 | 112.66 | 0.11 | 0.89 | 32851 | 3701 | 119.38 | 0.12 | 31001 | 182933  | 5.57  |
| 84 | 125.79 | 0.13 | 0.87 | 29150 | 3667 | 134.24 | 0.13 | 27317 | 151933  | 5.21  |
| 85 | 129.26 | 0.13 | 0.87 | 25483 | 3294 | 138.19 | 0.14 | 23836 | 124616  | 4.89  |
| 86 | 145.99 | 0.15 | 0.85 | 22189 | 3239 | 157.48 | 0.16 | 20570 | 100780  | 4.54  |
| 87 | 160.59 | 0.16 | 0.84 | 18950 | 3043 | 174.61 | 0.17 | 17428 | 80210   | 4.23  |
| 88 | 172.09 | 0.17 | 0.83 | 15907 | 2737 | 188.29 | 0.19 | 14538 | 62782   | 3.95  |

|     |         |      |      |       |      |        |      |       |       |      |
|-----|---------|------|------|-------|------|--------|------|-------|-------|------|
| 89  | 185.85  | 0.19 | 0.81 | 13169 | 2448 | 204.90 | 0.20 | 11946 | 48244 | 3.66 |
| 90  | 203.52  | 0.20 | 0.80 | 10722 | 2182 | 226.58 | 0.23 | 9631  | 36298 | 3.39 |
| 91  | 259.02  | 0.26 | 0.74 | 8540  | 2212 | 297.56 | 0.30 | 7434  | 26667 | 3.12 |
| 92  | 234.37  | 0.23 | 0.77 | 6328  | 1483 | 265.48 | 0.27 | 5586  | 19233 | 3.04 |
| 93  | 267.88  | 0.27 | 0.73 | 4845  | 1298 | 309.31 | 0.31 | 4196  | 13647 | 2.82 |
| 94  | 288.73  | 0.29 | 0.71 | 3547  | 1024 | 337.44 | 0.34 | 3035  | 9451  | 2.66 |
| 95  | 294.42  | 0.29 | 0.71 | 2523  | 743  | 345.24 | 0.35 | 2151  | 6416  | 2.54 |
| 96  | 329.08  | 0.33 | 0.67 | 1780  | 586  | 393.90 | 0.39 | 1487  | 4265  | 2.40 |
| 97  | 328.81  | 0.33 | 0.67 | 1194  | 393  | 393.50 | 0.39 | 998   | 2778  | 2.33 |
| 98  | 309.02  | 0.31 | 0.69 | 802   | 248  | 365.49 | 0.37 | 678   | 1780  | 2.22 |
| 99  | 324.02  | 0.32 | 0.68 | 554   | 179  | 386.66 | 0.39 | 464   | 1102  | 1.99 |
| 100 | 1000.00 | 1.00 | 0.00 | 374   | 374  | 586.88 | 0.59 | 638   | 638   | 1.70 |