table i. Showing the Present Value of an Annuity of L. I. on a Single Life, according to M. de Moivre's Hypothesis.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Age. | β l√r'Ct. | 3⅛l>tr c∣t | 4 per Ct.' | 4⅞[ er Ct. | 5 P«r Ct. | 6 per'Ct |
| 8'  9  io | 19,736  19,868.  19,S68 | 18,160  18,269  18,26'9 | 16,791  16,882  16,882 | 15’595  15,672  15,672 | 14>544  14,607  14,607 | I2>79O  12,839  12,839 |
| *1* I .12  13  14  15  16  ■ 17t'  18  19  20 | I9>736  19,604  19,469  19>331 19,192 19,050 18,905 *j8,759 18,610* 18,458 | 18,160 18,049 17’937 17,823 17>7°7 17,588 17>467 17>344 17,220 17>093 | 16,791  16,698  16,604  16,508  I 6,4 10  16,311  16,209  16,105  15>999 i5>^9i | *l5>595* 15>517 15’437 i5.356 i5>273 15,189 15,102 15,015 M,923 •4,831 | *14’544*  14,480  14^412 τ4,34i 14,271  '4ct97  14,123  14,047 r3,97o i3j891 | 12,790  12,741  12,691  12,639  12,586  12,532  >2,476  12,419  12,361  I2,3oi |
| 21  22  23  24  2 5  26.  27  28  29  3° | 18,305  18,148  17,990  17,827·  17,664  17>497  17>327  ,7>i54  •6,979  16,800 | 16,963  16,830  16,696  16,559  16,419  16,277  16,133  *15>9\*5*  i5>835  15,682 | >5,781  15,669  15>554  15>437 \*5>318 15>197 15>o73 14>946  14,816  14,684 | 14>737  14,641  ,4,543  14,44 2 i4>340 14>235 14,128 14,018 13>9o5 i3>791 | 13,810  13∙727  13,642  13>555  13∏66  , 3,375  13,282  13,186  13,088  12,988 | 12>239  12,177  I 2,1 12  12,045  IIs978  11,908  II,837  II,763  11,688  11,610 |
| 3J  32  33  34  35  36  37  38  39  40 | 16,62.0 16,436 16,248 16,057 15,864 15,660 kfo465 15,260 15>o53 14,842 | 155526  ∏j367  15,204  1i,°39  14,871  14,699  14>5M  i4>345  14,163  13>978 | 14>549  14,41 I  14,270  14,126  13,979  13,829  13>676  13>519  13>359  13>196 | i3»673  *13’55*3  13>43O  13,3°4  *13>175*  ,3>o44  12,909  12,771  12,630  12,485 | 12,855  12,780  12,673  12,562  12,449  *l2>333*  12,214  12,091  I 1,966  ii>837 | 11,530  11 >449  ,b365 rι,278  11,189  11,098  11,003  10,907  IO,8c7  10,704 |
| 41  42  43  44  45  46 . 47  48  49  5° | 14,626  14,407  14,185  i3>958  13,728  13>493  i3>254 13,012  12,764  12,511 | 13,789  13>596  13>399  13\*,99  *l2D93*  12,784  12,571 *•2,354*  12,131  11,904 | 13,028  12,858  12,683  12,504  12,322  12>,35  11,944  11,748  11,548  11>344 | 12>337  12,185  I 2,029  11,870  11,707  11,540  11,368  II,½2  I 1,012  IO,827 | I 1,705  11,57o  II,431  11,288  I J,142  10,992  10,837  10,679  10,515  •10,348 | 10,599  10,490  IC,378  10,263  10,144 1 0,021  *9,%95*  *9c65*  9,630  9,492 |
| 51  *52*  *53*  *54*  ■ 55  56  57  -58  59  60 | 12,255  11,994  II,729 ιι,457 11,183  1.0,902  IO,616  10,325  10,029  9>727 | ”>673  ”>437  ii,195  10,950  10,698  ιo,443  10,181  9>913  9,640  9,36ι | i1>135  10,921  10,702  10,478  10,248  10,014  9’773  9’527  9,275  9,017 | IO,638  *i°,443*  *to,243*  *10,039*  9,Ef29  *9,614*  *9>393*  9,166  8,933  8,694 | 10,176  *9’999*  *9,S17*  *9’63°*  9,437  *9’239*  *9Ό36*  8,826  8,611  8,389 | *9’349*  *9,201*  *9Ό49* §,891 8,729 8,561 8κ387 8,208 8,023  7,831 |
| 61  62  63 | 9>419  9,107  8,787 | 9,076  a,786  8,48 8 | 8>753  8,482  8,205 | 8.449  8,197  7,938 | 8,161  7,926  7,684 | 7>633  7,428  7,216 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| -Age. | 3 per Ct. | 3⅜'perCt | 4 per Ct. | ∣4⅜ pεr Ct | 5 per Cc. | 6pcr>C√ |
| 64  *65*  *66*  *67*  68  69  70 | 8j462  8,132  *7’794*  *7,450*  *7,099*  *6,743*  6,378 | 8,185  7>875  7,558  7,234  6,902  6,565  6,219 | 7,9i I  *7,63*1  *7,333 7,027* 6,714  6,394  6,065 | 7,672  *7,399*  7,fl9  6,831  *6,534*  *6,2* 30  5,9l8 | 7,435  7,179  6,915  *6,643*  *6,362*  *6,073*  *5,775* | 6,997 .  6,770  *6,535*  *6,292*  6,040  5,779  5,508' |
| 71  72  73  74  75  76  77  78  79  80 | 6,008  5>631  5,246  4,854  *4,453*  *4,046*  *3,632*  3,207  2,776  2,334 | 5,865  *5,505*  5,136  *4,759*  *4,373*  3>978  3’575  3ct63  2,741  *2,309* | 5’728  5>383  5,029  4,666  4,293  *3,9i2*  *3,52o*  3,111  2,707  2,284 | 5>596  5,265  4,926  *4,576*  4,217  3’847 *.3,467*  *3Ό76*  *2,673*  *2,259* | 5>468 5ct52 4,826 4,489 *4,* »43 3>784 3>4,5 3Ό34 2,641  *2,235* | 5,228  *4,937*  *4,636*  *4’324*  4,000  3,664  3\*3\*5  2>953  2,578  2,18\* |
| 81  82  83  «4  85 | i,886  1,429  0,961  0,484  0,000 | *1,867*  *t,4ιι*  *o>955*  0,483 o,oco | ι,i850  1,406  0,950  0,481  0,000 | *1,832*  *1,394*  o,943  °,479  0,000 | 1,816  1>384  o>937 ! 0,476 ! o,o□o | 1,783  1,362  0,925  0,472  0,000 |

Table II. *Showing the Value of an Annuity on the Joint Continuance of Two Lives, according to Μ. de Moivre’s Hypothesis.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 0 τq d cτ. S 0 JO ►\*·. cc → *l½3 7T*  • α | w⅝  ≈c  α | V⅛lυe at 3 per Cent. | Value at 4 per Cent. | Value at 5 per Cent. |
| 10 | 10  15  20  25  3°  35  40  45  50  55  60  *65*  *70* | 15.206  14.878  14∙5°3  ∣4.c74  i3√85  ( 3.02 Ç  12-381  11.644  10.796  9.822  8.704  7.417  *5-936* | *13-342*  13∙c93  I2.8o8  1 2.480  I 2.1 02  I 1.665  11.156  10.564  9.κ71  9.059  8.105  6.980  5.652 | H.855  11.66 i  11.430  11.182  10.884  1°∙537  10.128  9.646  9∙o74  8.301  7 *572*  «■585  5∙39' |
| 15 | 15  20  25  3o  35  40  45  50  55  60  65  70 | 14∙574  14.225  13.822  13∙359  12.824  12.207  I 1.496  10.67 ς  9.727  8.632  7∙377  5∙932 | I 2.860  12∙593  12.281  I 1.92 I I 1.501 II.0I3  I 0.440  9.767  8.975  8.041  *6.934*  *5-623* | 1147 8  11.266  I 1.02 2  10.736  10.402  J 0.008  9∙541  8.985  8.318  7∙515  6.544  5∙364 |
| 20 | 20  *25*  *30* | 13.904  13∙531  13.098 | 12.341  12.05 1  I 1.71 I | 11.067  10.840  10.565 |