

**Tabell 6. Binomialfördelningen** $P(X \leq x)$  där  $X \in \text{Bin}(n, p)$ För  $p > 1/2$ , utnyttja att  $P(X \leq x) = P(Y \geq n - x)$  där  $Y \in \text{Bin}(n, 1 - p)$ 

| $n$ | $x$ | $p$ | 0.05    | 0.10    | 0.15    | 0.20    | 0.25    | 0.30    | 0.40    | 0.50    |
|-----|-----|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| 2   | 0   |     | 0.90250 | 0.81000 | 0.72250 | 0.64000 | 0.56250 | 0.49000 | 0.36000 | 0.25000 |
|     | 1   |     | 0.99750 | 0.99000 | 0.97750 | 0.96000 | 0.93750 | 0.91000 | 0.84000 | 0.75000 |
| 3   | 0   |     | 0.85737 | 0.72900 | 0.61412 | 0.51200 | 0.42188 | 0.34300 | 0.21600 | 0.12500 |
|     | 1   |     | 0.99275 | 0.97200 | 0.93925 | 0.89600 | 0.84375 | 0.78400 | 0.64800 | 0.50000 |
|     | 2   |     | 0.99987 | 0.99900 | 0.99663 | 0.99200 | 0.98438 | 0.97300 | 0.93600 | 0.87500 |
| 4   | 0   |     | 0.81451 | 0.65610 | 0.52201 | 0.40960 | 0.31641 | 0.24010 | 0.12960 | 0.06250 |
|     | 1   |     | 0.98598 | 0.94770 | 0.89048 | 0.81920 | 0.73828 | 0.65170 | 0.47520 | 0.31250 |
|     | 2   |     | 0.99952 | 0.99630 | 0.98802 | 0.97280 | 0.94922 | 0.91630 | 0.82080 | 0.68750 |
|     | 3   |     | 0.99999 | 0.99990 | 0.99949 | 0.99840 | 0.99609 | 0.99190 | 0.97440 | 0.93750 |
| 5   | 0   |     | 0.77378 | 0.59049 | 0.44371 | 0.32768 | 0.23730 | 0.16807 | 0.07776 | 0.03125 |
|     | 1   |     | 0.97741 | 0.91854 | 0.83521 | 0.73728 | 0.63281 | 0.52822 | 0.33696 | 0.18750 |
|     | 2   |     | 0.99884 | 0.99144 | 0.97339 | 0.94208 | 0.89648 | 0.83692 | 0.68256 | 0.50000 |
|     | 3   |     | 0.99997 | 0.99954 | 0.99777 | 0.99328 | 0.98437 | 0.96922 | 0.91296 | 0.81250 |
|     | 4   |     | 1.00000 | 0.99999 | 0.99992 | 0.99968 | 0.99902 | 0.99757 | 0.98976 | 0.96875 |
| 6   | 0   |     | 0.73509 | 0.53144 | 0.37715 | 0.26214 | 0.17798 | 0.11765 | 0.04666 | 0.01563 |
|     | 1   |     | 0.96723 | 0.88574 | 0.77648 | 0.65536 | 0.53394 | 0.42018 | 0.23328 | 0.10938 |
|     | 2   |     | 0.99777 | 0.98415 | 0.95266 | 0.90112 | 0.83057 | 0.74431 | 0.54432 | 0.34375 |
|     | 3   |     | 0.99991 | 0.99873 | 0.99411 | 0.98304 | 0.96240 | 0.92953 | 0.82080 | 0.65625 |
|     | 4   |     | 1.00000 | 0.99995 | 0.99960 | 0.99840 | 0.99536 | 0.98906 | 0.95904 | 0.89063 |
|     | 5   |     | 1.00000 | 1.00000 | 0.99999 | 0.99994 | 0.99976 | 0.99927 | 0.99590 | 0.98438 |
| 7   | 0   |     | 0.69834 | 0.47830 | 0.32058 | 0.20972 | 0.13348 | 0.08235 | 0.02799 | 0.00781 |
|     | 1   |     | 0.95562 | 0.85031 | 0.71658 | 0.57672 | 0.44495 | 0.32942 | 0.15863 | 0.06250 |
|     | 2   |     | 0.99624 | 0.97431 | 0.92623 | 0.85197 | 0.75641 | 0.64707 | 0.41990 | 0.22656 |
|     | 3   |     | 0.99981 | 0.99727 | 0.98790 | 0.96666 | 0.92944 | 0.87396 | 0.71021 | 0.50000 |
|     | 4   |     | 0.99999 | 0.99982 | 0.99878 | 0.99533 | 0.98712 | 0.97120 | 0.90374 | 0.77344 |
|     | 5   |     | 1.00000 | 0.99999 | 0.99993 | 0.99963 | 0.99866 | 0.99621 | 0.98116 | 0.93750 |
|     | 6   |     | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99994 | 0.99978 | 0.99836 | 0.99219 |
| 8   | 0   |     | 0.66342 | 0.43047 | 0.27249 | 0.16777 | 0.10011 | 0.05765 | 0.01680 | 0.00391 |
|     | 1   |     | 0.94276 | 0.81310 | 0.65718 | 0.50332 | 0.36708 | 0.25530 | 0.10638 | 0.03516 |
|     | 2   |     | 0.99421 | 0.96191 | 0.89479 | 0.79692 | 0.67854 | 0.55177 | 0.31539 | 0.14453 |
|     | 3   |     | 0.99963 | 0.99498 | 0.97865 | 0.94372 | 0.88618 | 0.80590 | 0.59409 | 0.36328 |
|     | 4   |     | 0.99998 | 0.99957 | 0.99715 | 0.98959 | 0.97270 | 0.94203 | 0.82633 | 0.63672 |
|     | 5   |     | 1.00000 | 0.99998 | 0.99976 | 0.99877 | 0.99577 | 0.98871 | 0.95019 | 0.85547 |
|     | 6   |     | 1.00000 | 1.00000 | 0.99999 | 0.99992 | 0.99962 | 0.99871 | 0.99148 | 0.96484 |
|     | 7   |     | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99998 | 0.99993 | 0.99934 | 0.99609 |
| 9   | 0   |     | 0.63025 | 0.38742 | 0.23162 | 0.13422 | 0.07508 | 0.04035 | 0.01008 | 0.00195 |
|     | 1   |     | 0.92879 | 0.77484 | 0.59948 | 0.43621 | 0.30034 | 0.19600 | 0.07054 | 0.01953 |
|     | 2   |     | 0.99164 | 0.94703 | 0.85915 | 0.73820 | 0.60068 | 0.46283 | 0.23179 | 0.08984 |
|     | 3   |     | 0.99936 | 0.99167 | 0.96607 | 0.91436 | 0.83427 | 0.72966 | 0.48261 | 0.25391 |
|     | 4   |     | 0.99997 | 0.99911 | 0.99437 | 0.98042 | 0.95107 | 0.90119 | 0.73343 | 0.50000 |
|     | 5   |     | 1.00000 | 0.99994 | 0.99937 | 0.99693 | 0.99001 | 0.97471 | 0.90065 | 0.74609 |
|     | 6   |     | 1.00000 | 1.00000 | 0.99995 | 0.99969 | 0.99866 | 0.99571 | 0.97497 | 0.91016 |
|     | 7   |     | 1.00000 | 1.00000 | 1.00000 | 0.99998 | 0.99989 | 0.99957 | 0.99620 | 0.98047 |
|     | 8   |     | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99998 | 0.99974 | 0.99805 |

Tabell 6 forts.

| $n$ | $x$ | $p$     | 0.05    | 0.10    | 0.15    | 0.20    | 0.25    | 0.30    | 0.40    | 0.50 |
|-----|-----|---------|---------|---------|---------|---------|---------|---------|---------|------|
| 10  | 0   | 0.59874 | 0.34868 | 0.19687 | 0.10737 | 0.05631 | 0.02825 | 0.00605 | 0.00098 |      |
|     | 1   | 0.91386 | 0.73610 | 0.54430 | 0.37581 | 0.24403 | 0.14931 | 0.04636 | 0.01074 |      |
|     | 2   | 0.98850 | 0.92981 | 0.82020 | 0.67780 | 0.52559 | 0.38278 | 0.16729 | 0.05469 |      |
|     | 3   | 0.99897 | 0.98720 | 0.95003 | 0.87913 | 0.77588 | 0.64961 | 0.38228 | 0.17188 |      |
|     | 4   | 0.99994 | 0.99837 | 0.99013 | 0.96721 | 0.92187 | 0.84973 | 0.63310 | 0.37695 |      |
|     | 5   | 1.00000 | 0.99985 | 0.99862 | 0.99363 | 0.98027 | 0.95265 | 0.83376 | 0.62305 |      |
|     | 6   | 1.00000 | 0.99999 | 0.99987 | 0.99914 | 0.99649 | 0.98941 | 0.94524 | 0.82813 |      |
|     | 7   | 1.00000 | 1.00000 | 0.99999 | 0.99992 | 0.99958 | 0.99841 | 0.98771 | 0.94531 |      |
|     | 8   | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99997 | 0.99986 | 0.99832 | 0.98926 |      |
|     | 9   | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99990 | 0.99902 |      |
| 11  | 0   | 0.56880 | 0.31381 | 0.16734 | 0.08590 | 0.04224 | 0.01977 | 0.00363 | 0.00049 |      |
|     | 1   | 0.89811 | 0.69736 | 0.49219 | 0.32212 | 0.19710 | 0.11299 | 0.03023 | 0.00586 |      |
|     | 2   | 0.98476 | 0.91044 | 0.77881 | 0.61740 | 0.45520 | 0.31274 | 0.11892 | 0.03271 |      |
|     | 3   | 0.99845 | 0.98147 | 0.93056 | 0.83886 | 0.71330 | 0.56956 | 0.29628 | 0.11328 |      |
|     | 4   | 0.99989 | 0.99725 | 0.98411 | 0.94959 | 0.88537 | 0.78970 | 0.53277 | 0.27441 |      |
|     | 5   | 0.99999 | 0.99970 | 0.99734 | 0.98835 | 0.96567 | 0.92178 | 0.75350 | 0.50000 |      |
|     | 6   | 1.00000 | 0.99998 | 0.99968 | 0.99803 | 0.99244 | 0.97838 | 0.90065 | 0.72559 |      |
|     | 7   | 1.00000 | 1.00000 | 0.99997 | 0.99976 | 0.99881 | 0.99571 | 0.97072 | 0.88672 |      |
|     | 8   | 1.00000 | 1.00000 | 1.00000 | 0.99998 | 0.99987 | 0.99942 | 0.99408 | 0.96729 |      |
|     | 9   | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99995 | 0.99927 | 0.99414 |      |
|     | 10  | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99996 | 0.99951 |      |
| 12  | 0   | 0.54036 | 0.28243 | 0.14224 | 0.06872 | 0.03168 | 0.01384 | 0.00218 | 0.00024 |      |
|     | 1   | 0.88164 | 0.65900 | 0.44346 | 0.27488 | 0.15838 | 0.08503 | 0.01959 | 0.00317 |      |
|     | 2   | 0.98043 | 0.88913 | 0.73582 | 0.55835 | 0.39068 | 0.25282 | 0.08344 | 0.01929 |      |
|     | 3   | 0.99776 | 0.97436 | 0.90779 | 0.79457 | 0.64878 | 0.49252 | 0.22534 | 0.07300 |      |
|     | 4   | 0.99982 | 0.99567 | 0.97608 | 0.92744 | 0.84236 | 0.72366 | 0.43818 | 0.19385 |      |
|     | 5   | 0.99999 | 0.99946 | 0.99536 | 0.98059 | 0.94560 | 0.88215 | 0.66521 | 0.38721 |      |
|     | 6   | 1.00000 | 0.99995 | 0.99933 | 0.99610 | 0.98575 | 0.96140 | 0.84179 | 0.61279 |      |
|     | 7   | 1.00000 | 1.00000 | 0.99993 | 0.99942 | 0.99722 | 0.99051 | 0.94269 | 0.80615 |      |
|     | 8   | 1.00000 | 1.00000 | 0.99999 | 0.99994 | 0.99961 | 0.99831 | 0.98473 | 0.92700 |      |
|     | 9   | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99996 | 0.99979 | 0.99719 | 0.98071 |      |
|     | 10  | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99998 | 0.99968 | 0.99683 |      |
|     | 11  | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99998 | 0.99976 |      |
| 13  | 0   | 0.51334 | 0.25419 | 0.12091 | 0.05498 | 0.02376 | 0.00969 | 0.00131 | 0.00012 |      |
|     | 1   | 0.86458 | 0.62134 | 0.39828 | 0.23365 | 0.12671 | 0.06367 | 0.01263 | 0.00171 |      |
|     | 2   | 0.97549 | 0.86612 | 0.69196 | 0.50165 | 0.33260 | 0.20248 | 0.05790 | 0.01123 |      |
|     | 3   | 0.99690 | 0.96584 | 0.88200 | 0.74732 | 0.58425 | 0.42061 | 0.16858 | 0.04614 |      |
|     | 4   | 0.99971 | 0.99354 | 0.96584 | 0.90087 | 0.79396 | 0.65431 | 0.35304 | 0.13342 |      |
|     | 5   | 0.99998 | 0.99908 | 0.99247 | 0.96996 | 0.91979 | 0.83460 | 0.57440 | 0.29053 |      |
|     | 6   | 1.00000 | 0.99990 | 0.99873 | 0.99300 | 0.97571 | 0.93762 | 0.77116 | 0.50000 |      |
|     | 7   | 1.00000 | 0.99999 | 0.99984 | 0.99875 | 0.99435 | 0.98178 | 0.90233 | 0.70947 |      |
|     | 8   | 1.00000 | 1.00000 | 0.99998 | 0.99983 | 0.99901 | 0.99597 | 0.96792 | 0.86658 |      |
|     | 9   | 1.00000 | 1.00000 | 1.00000 | 0.99998 | 0.99987 | 0.99935 | 0.99221 | 0.95386 |      |
|     | 10  | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99993 | 0.99868 | 0.98877 |      |
|     | 11  | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99986 | 0.99829 |      |
|     | 12  | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99988 |      |

Tabell 6 forts.

| $n$ | $x$ | $p$     | 0.05    | 0.10    | 0.15    | 0.20    | 0.25    | 0.30    | 0.40    | 0.50    |
|-----|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 14  | 0   |         | 0.48767 | 0.22877 | 0.10277 | 0.04398 | 0.01782 | 0.00678 | 0.00078 | 0.00006 |
|     | 1   |         | 0.84701 | 0.58463 | 0.35667 | 0.19791 | 0.10097 | 0.04748 | 0.00810 | 0.00092 |
|     | 2   |         | 0.96995 | 0.84164 | 0.64791 | 0.44805 | 0.28113 | 0.16084 | 0.03979 | 0.00647 |
|     | 3   |         | 0.99583 | 0.95587 | 0.85349 | 0.69819 | 0.52134 | 0.35517 | 0.12431 | 0.02869 |
|     | 4   |         | 0.99957 | 0.99077 | 0.95326 | 0.87016 | 0.74153 | 0.58420 | 0.27926 | 0.08978 |
|     | 5   |         | 0.99997 | 0.99853 | 0.98847 | 0.95615 | 0.88833 | 0.78052 | 0.48585 | 0.21198 |
|     | 6   |         | 1.00000 | 0.99982 | 0.99779 | 0.98839 | 0.96173 | 0.90672 | 0.69245 | 0.39526 |
|     | 7   |         | 1.00000 | 0.99998 | 0.99967 | 0.99760 | 0.98969 | 0.96853 | 0.84986 | 0.60474 |
|     | 8   |         | 1.00000 | 1.00000 | 0.99996 | 0.99962 | 0.99785 | 0.99171 | 0.94168 | 0.78802 |
|     | 9   |         | 1.00000 | 1.00000 | 1.00000 | 0.99995 | 0.99966 | 0.99833 | 0.98249 | 0.91022 |
|     | 10  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99996 | 0.99975 | 0.99609 | 0.97131 |
|     | 11  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99997 | 0.99939 | 0.99353 |
|     | 12  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99994 | 0.99908 |
| 13  |     | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99994 |         |
| 15  | 0   |         | 0.46329 | 0.20589 | 0.08735 | 0.03518 | 0.01336 | 0.00475 | 0.00047 | 0.00003 |
|     | 1   |         | 0.82905 | 0.54904 | 0.31859 | 0.16713 | 0.08018 | 0.03527 | 0.00517 | 0.00049 |
|     | 2   |         | 0.96380 | 0.81594 | 0.60423 | 0.39802 | 0.23609 | 0.12683 | 0.02711 | 0.00369 |
|     | 3   |         | 0.99453 | 0.94444 | 0.82266 | 0.64816 | 0.46129 | 0.29687 | 0.09050 | 0.01758 |
|     | 4   |         | 0.99939 | 0.98728 | 0.93829 | 0.83577 | 0.68649 | 0.51549 | 0.21728 | 0.05923 |
|     | 5   |         | 0.99995 | 0.99775 | 0.98319 | 0.93895 | 0.85163 | 0.72162 | 0.40322 | 0.15088 |
|     | 6   |         | 1.00000 | 0.99969 | 0.99639 | 0.98194 | 0.94338 | 0.86886 | 0.60981 | 0.30362 |
|     | 7   |         | 1.00000 | 0.99997 | 0.99939 | 0.99576 | 0.98270 | 0.94999 | 0.78690 | 0.50000 |
|     | 8   |         | 1.00000 | 1.00000 | 0.99992 | 0.99922 | 0.99581 | 0.98476 | 0.90495 | 0.69638 |
|     | 9   |         | 1.00000 | 1.00000 | 0.99999 | 0.99989 | 0.99921 | 0.99635 | 0.96617 | 0.84912 |
|     | 10  |         | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99988 | 0.99933 | 0.99065 | 0.94077 |
|     | 11  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99991 | 0.99807 | 0.98242 |
|     | 12  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99972 | 0.99631 |
|     | 13  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99997 | 0.99951 |
| 14  |     | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99997 |         |
| 16  | 0   |         | 0.44013 | 0.18530 | 0.07425 | 0.02815 | 0.01002 | 0.00332 | 0.00028 | 0.00002 |
|     | 1   |         | 0.81076 | 0.51473 | 0.28390 | 0.14074 | 0.06348 | 0.02611 | 0.00329 | 0.00026 |
|     | 2   |         | 0.95706 | 0.78925 | 0.56138 | 0.35184 | 0.19711 | 0.09936 | 0.01834 | 0.00209 |
|     | 3   |         | 0.99300 | 0.93159 | 0.78989 | 0.59813 | 0.40499 | 0.24586 | 0.06515 | 0.01064 |
|     | 4   |         | 0.99914 | 0.98300 | 0.92095 | 0.79825 | 0.63019 | 0.44990 | 0.16657 | 0.03841 |
|     | 5   |         | 0.99992 | 0.99670 | 0.97646 | 0.91831 | 0.81035 | 0.65978 | 0.32884 | 0.10506 |
|     | 6   |         | 0.99999 | 0.99950 | 0.99441 | 0.97334 | 0.92044 | 0.82469 | 0.52717 | 0.22725 |
|     | 7   |         | 1.00000 | 0.99994 | 0.99894 | 0.99300 | 0.97287 | 0.92565 | 0.71606 | 0.40181 |
|     | 8   |         | 1.00000 | 0.99999 | 0.99984 | 0.99852 | 0.99253 | 0.97433 | 0.85773 | 0.59819 |
|     | 9   |         | 1.00000 | 1.00000 | 0.99998 | 0.99975 | 0.99836 | 0.99287 | 0.94168 | 0.77275 |
|     | 10  |         | 1.00000 | 1.00000 | 1.00000 | 0.99997 | 0.99971 | 0.99843 | 0.98086 | 0.89494 |
|     | 11  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99996 | 0.99973 | 0.99510 | 0.96159 |
|     | 12  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99997 | 0.99906 | 0.98936 |
|     | 13  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99987 | 0.99791 |
|     | 14  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99974 |
| 15  |     | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99998 |         |

Tabell 6 forts.

| $n$ | $x$ | $p$     | 0.05    | 0.10    | 0.15    | 0.20    | 0.25    | 0.30    | 0.40    | 0.50    |
|-----|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 17  | 0   |         | 0.41812 | 0.16677 | 0.06311 | 0.02252 | 0.00752 | 0.00233 | 0.00017 | 0.00001 |
|     | 1   |         | 0.79223 | 0.48179 | 0.25245 | 0.11822 | 0.05011 | 0.01928 | 0.00209 | 0.00014 |
|     | 2   |         | 0.94975 | 0.76180 | 0.51976 | 0.30962 | 0.16370 | 0.07739 | 0.01232 | 0.00117 |
|     | 3   |         | 0.99120 | 0.91736 | 0.75561 | 0.54888 | 0.35302 | 0.20191 | 0.04642 | 0.00636 |
|     | 4   |         | 0.99884 | 0.97786 | 0.90129 | 0.75822 | 0.57389 | 0.38869 | 0.12600 | 0.02452 |
|     | 5   |         | 0.99988 | 0.99533 | 0.96813 | 0.89430 | 0.76531 | 0.59682 | 0.26393 | 0.07173 |
|     | 6   |         | 0.99999 | 0.99922 | 0.99172 | 0.96234 | 0.89292 | 0.77522 | 0.44784 | 0.16615 |
|     | 7   |         | 1.00000 | 0.99989 | 0.99826 | 0.98907 | 0.95976 | 0.89536 | 0.64051 | 0.31453 |
|     | 8   |         | 1.00000 | 0.99999 | 0.99970 | 0.99742 | 0.98762 | 0.95972 | 0.80106 | 0.50000 |
|     | 9   |         | 1.00000 | 1.00000 | 0.99996 | 0.99951 | 0.99690 | 0.98731 | 0.90810 | 0.68547 |
|     | 10  |         | 1.00000 | 1.00000 | 1.00000 | 0.99992 | 0.99937 | 0.99676 | 0.96519 | 0.83385 |
|     | 11  |         | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99990 | 0.99934 | 0.98941 | 0.92827 |
|     | 12  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99990 | 0.99748 | 0.97548 |
|     | 13  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99955 | 0.99364 |
|     | 14  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99994 | 0.99883 |
|     | 15  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99986 |
| 16  |     | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 |         |
| 18  | 0   |         | 0.39721 | 0.15009 | 0.05365 | 0.01801 | 0.00564 | 0.00163 | 0.00010 | 0.00000 |
|     | 1   |         | 0.77352 | 0.45028 | 0.22405 | 0.09908 | 0.03946 | 0.01419 | 0.00132 | 0.00007 |
|     | 2   |         | 0.94187 | 0.73380 | 0.47966 | 0.27134 | 0.13531 | 0.05995 | 0.00823 | 0.00066 |
|     | 3   |         | 0.98913 | 0.90180 | 0.72024 | 0.50103 | 0.30569 | 0.16455 | 0.03278 | 0.00377 |
|     | 4   |         | 0.99845 | 0.97181 | 0.87944 | 0.71635 | 0.51867 | 0.33265 | 0.09417 | 0.01544 |
|     | 5   |         | 0.99983 | 0.99358 | 0.95810 | 0.86708 | 0.71745 | 0.53438 | 0.20876 | 0.04813 |
|     | 6   |         | 0.99998 | 0.99883 | 0.98818 | 0.94873 | 0.86102 | 0.72170 | 0.37428 | 0.11894 |
|     | 7   |         | 1.00000 | 0.99983 | 0.99728 | 0.98372 | 0.94305 | 0.85932 | 0.56344 | 0.24034 |
|     | 8   |         | 1.00000 | 0.99998 | 0.99949 | 0.99575 | 0.98065 | 0.94041 | 0.73684 | 0.40726 |
|     | 9   |         | 1.00000 | 1.00000 | 0.99992 | 0.99909 | 0.99458 | 0.97903 | 0.86529 | 0.59274 |
|     | 10  |         | 1.00000 | 1.00000 | 0.99999 | 0.99984 | 0.99876 | 0.99393 | 0.94235 | 0.75966 |
|     | 11  |         | 1.00000 | 1.00000 | 1.00000 | 0.99998 | 0.99977 | 0.99857 | 0.97972 | 0.88106 |
|     | 12  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99997 | 0.99973 | 0.99425 | 0.95187 |
|     | 13  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99996 | 0.99872 | 0.98456 |
|     | 14  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99979 | 0.99623 |
|     | 15  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99997 | 0.99934 |
|     | 16  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99993 |
| 17  |     | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |         |
| 19  | 0   |         | 0.37735 | 0.13509 | 0.04560 | 0.01441 | 0.00423 | 0.00114 | 0.00006 | 0.00000 |
|     | 1   |         | 0.75471 | 0.42026 | 0.19849 | 0.08287 | 0.03101 | 0.01042 | 0.00083 | 0.00004 |
|     | 2   |         | 0.93345 | 0.70544 | 0.44132 | 0.23689 | 0.11134 | 0.04622 | 0.00546 | 0.00036 |
|     | 3   |         | 0.98676 | 0.88500 | 0.68415 | 0.45509 | 0.26309 | 0.13317 | 0.02296 | 0.00221 |
|     | 4   |         | 0.99799 | 0.96481 | 0.85556 | 0.67329 | 0.46542 | 0.28222 | 0.06961 | 0.00961 |
|     | 5   |         | 0.99976 | 0.99141 | 0.94630 | 0.83694 | 0.66776 | 0.47386 | 0.16292 | 0.03178 |
|     | 6   |         | 0.99998 | 0.99830 | 0.98367 | 0.93240 | 0.82512 | 0.66550 | 0.30807 | 0.08353 |
|     | 7   |         | 1.00000 | 0.99973 | 0.99592 | 0.97672 | 0.92254 | 0.81803 | 0.48778 | 0.17964 |
|     | 8   |         | 1.00000 | 0.99996 | 0.99916 | 0.99334 | 0.97125 | 0.91608 | 0.66748 | 0.32380 |
|     | 9   |         | 1.00000 | 1.00000 | 0.99986 | 0.99842 | 0.99110 | 0.96745 | 0.81391 | 0.50000 |
|     | 10  |         | 1.00000 | 1.00000 | 0.99998 | 0.99969 | 0.99771 | 0.98946 | 0.91153 | 0.67620 |
|     | 11  |         | 1.00000 | 1.00000 | 1.00000 | 0.99995 | 0.99952 | 0.99718 | 0.96477 | 0.82036 |
|     | 12  |         | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99992 | 0.99938 | 0.98844 | 0.91647 |
|     | 13  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99989 | 0.99693 | 0.96822 |
|     | 14  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99936 | 0.99039 |
|     | 15  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99990 | 0.99779 |
|     | 16  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99999 | 0.99964 |
|     | 17  |         | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 0.99996 |
| 18  |     | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |         |