**TABELL 1.** Normalfördelningen, standardiserad

*P*(*Z* ≤ *z*)

Φ(z) = *P*(*Z* ≤ *z*) där *Z* ∈ *N*(0, 1).

*z*

För negativa värden, utnyttja att Φ(-*z*) = 1 – Φ(*z*)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *z* | 0,00 | 0,01 | 0,02 | 0,03 | 0,04 | 0,05 | 0,06 | 0,07 | 0,08 | 0,09 |
| 0,0 | 0,50000 | 0,50399 | 0,50798 | 0,51197 | 0,51595 | 0,51994 | 0,52392 | 0,52790 | 0,53188 | 0,53586 |
| 0,1 | 0,53983 | 0,54380 | 0,54776 | 0,55172 | 0,55567 | 0,55962 | 0,56356 | 0,56749 | 0,57142 | 0,57535 |
| 0,2 | 0,57926 | 0,58317 | 0,58706 | 0,59095 | 0,59483 | 0,59871 | 0,60257 | 0,60642 | 0,61026 | 0,61409 |
| 0,3 | 0,61791 | 0,62172 | 0,62552 | 0,62930 | 0,63307 | 0,63683 | 0,64058 | 0,64431 | 0,64803 | 0,65173 |
| 0,4 | 0,65542 | 0,65910 | 0,66276 | 0,66640 | 0,67003 | 0,67364 | 0,67724 | 0,68082 | 0,68439 | 0,68793 |
| 0,5 | 0,69146 | 0,69497 | 0,69847 | 0,70194 | 0,70540 | 0,70884 | 0,71226 | 0,71566 | 0,71904 | 0,72240 |
| 0,6 | 0,72575 | 0,72907 | 0,73237 | 0,73565 | 0,73891 | 0,74215 | 0,74537 | 0,74857 | 0,75175 | 0,75490 |
| 0,7 | 0,75804 | 0,76115 | 0,76424 | 0,76730 | 0,77035 | 0,77337 | 0,77637 | 0,77935 | 0,78230 | 0,78524 |
| 0,8 | 0,78814 | 0,79103 | 0,79389 | 0,79673 | 0,79955 | 0,80234 | 0,80511 | 0,80785 | 0,81057 | 0,81327 |
| 0,9 | 0,81594 | 0,81859 | 0,82121 | 0,82381 | 0,82639 | 0,82894 | 0,83147 | 0,83398 | 0,83646 | 0,83891 |
| 1,0 | 0,84134 | 0,84375 | 0,84614 | 0,84849 | 0,85083 | 0,85314 | 0,85543 | 0,85769 | 0,85993 | 0,86214 |
| 1,1 | 0,86433 | 0,86650 | 0,86864 | 0,87076 | 0,87286 | 0,87493 | 0,87698 | 0,87900 | 0,88100 | 0,88298 |
| 1,2 | 0,88493 | 0,88686 | 0,88877 | 0,89065 | 0,89251 | 0,89435 | 0,89617 | 0,89796 | 0,89973 | 0,90147 |
| 1,3 | 0,90320 | 0,90490 | 0,90658 | 0,90824 | 0,90988 | 0,91149 | 0,91309 | 0,91466 | 0,91621 | 0,91774 |
| 1,4 | 0,91924 | 0,92073 | 0,92220 | 0,92364 | 0,92507 | 0,92647 | 0,92785 | 0,92922 | 0,93056 | 0,93189 |
| 1,5 | 0,93319 | 0,93448 | 0,93574 | 0,93699 | 0,93822 | 0,93943 | 0,94062 | 0,94179 | 0,94295 | 0,94408 |
| 1,6 | 0,94520 | 0,94630 | 0,94738 | 0,94845 | 0,94950 | 0,95053 | 0,95154 | 0,95254 | 0,95352 | 0,95449 |
| 1,7 | 0,95543 | 0,95637 | 0,95728 | 0,95818 | 0,95907 | 0,95994 | 0,96080 | 0,96164 | 0,96246 | 0,96327 |
| 1,8 | 0,96407 | 0,96485 | 0,96562 | 0,96638 | 0,96712 | 0,96784 | 0,96856 | 0,96926 | 0,96995 | 0,97062 |
| 1,9 | 0,97128 | 0,97193 | 0,97257 | 0,97320 | 0,97381 | 0,97441 | 0,97500 | 0,97558 | 0,97615 | 0,97670 |
| 2,0 | 0,97725 | 0,97778 | 0,97831 | 0,97882 | 0,97932 | 0,97982 | 0,98030 | 0,98077 | 0,98124 | 0,98169 |
| 2,1 | 0,98214 | 0,98257 | 0,98300 | 0,98341 | 0,98382 | 0,98422 | 0,98461 | 0,98500 | 0,98537 | 0,98574 |
| 2,2 | 0,98610 | 0,98645 | 0,98679 | 0,98713 | 0,98745 | 0,98778 | 0,98809 | 0,98840 | 0,98870 | 0,98899 |
| 2,3 | 0,98928 | 0,98956 | 0,98983 | 0,99010 | 0,99036 | 0,99061 | 0,99086 | 0,99111 | 0,99134 | 0,99158 |
| 2,4 | 0,99180 | 0,99202 | 0,99224 | 0,99245 | 0,99266 | 0,99286 | 0,99305 | 0,99324 | 0,99343 | 0,99361 |
| 2,5 | 0,99379 | 0,99396 | 0,99413 | 0,99430 | 0,99446 | 0,99461 | 0,99477 | 0,99492 | 0,99506 | 0,99520 |
| 2,6 | 0,99534 | 0,99547 | 0,99560 | 0,99573 | 0,99585 | 0,99598 | 0,99609 | 0,99621 | 0,99632 | 0,99643 |
| 2,7 | 0,99653 | 0,99664 | 0,99674 | 0,99683 | 0,99693 | 0,99702 | 0,99711 | 0,99720 | 0,99728 | 0,99736 |
| 2,8 | 0,99744 | 0,99752 | 0,99760 | 0,99767 | 0,99774 | 0,99781 | 0,99788 | 0,99795 | 0,99801 | 0,99807 |
| 2,9 | 0,99813 | 0,99819 | 0,99825 | 0,99831 | 0,99836 | 0,99841 | 0,99846 | 0,99851 | 0,99856 | 0,99861 |
| 3,0 | 0,99865 | 0,99869 | 0,99874 | 0,99878 | 0,99882 | 0,99886 | 0,99889 | 0,99893 | 0,99896 | 0,99900 |
| 3,1 | 0,99903 | 0,99906 | 0,99910 | 0,99913 | 0,99916 | 0,99918 | 0,99921 | 0,99924 | 0,99926 | 0,99929 |
| 3,2 | 0,99931 | 0,99934 | 0,99936 | 0,99938 | 0,99940 | 0,99942 | 0,99944 | 0,99946 | 0,99948 | 0,99950 |
| 3,3 | 0,99952 | 0,99953 | 0,99955 | 0,99957 | 0,99958 | 0,99960 | 0,99961 | 0,99962 | 0,99964 | 0,99965 |
| 3,4 | 0,99966 | 0,99968 | 0,99969 | 0,99970 | 0,99971 | 0,99972 | 0,99973 | 0,99974 | 0,99975 | 0,99976 |
| 3,5 | 0,99977 | 0,99978 | 0,99978 | 0,99979 | 0,99980 | 0,99981 | 0,99981 | 0,99982 | 0,99983 | 0,99983 |
| 3,6 | 0,99984 | 0,99985 | 0,99985 | 0,99986 | 0,99986 | 0,99987 | 0,99987 | 0,99988 | 0,99988 | 0,99989 |
| 3,7 | 0,99989 | 0,99990 | 0,99990 | 0,99990 | 0,99991 | 0,99991 | 0,99992 | 0,99992 | 0,99992 | 0,99992 |
| 3,8 | 0,99993 | 0,99993 | 0,99993 | 0,99994 | 0,99994 | 0,99994 | 0,99994 | 0,99995 | 0,99995 | 0,99995 |
| 3,9 | 0,99995 | 0,99995 | 0,99996 | 0,99996 | 0,99996 | 0,99996 | 0,99996 | 0,99996 | 0,99997 | 0,99997 |
| 4,0 | 0,99997 | 0,99997 | 0,99997 | 0,99997 | 0,99997 | 0,99997 | 0,99998 | 0,99998 | 0,99998 | 0,99998 |

**TABELL 2.** Normalfördelningens kvantiler, standardiserad

*Z* ∈ *N*(0, 1). Vilket värde har *zα* om *P*(*Z* > *zα*) = *α* där *α* är en given sannolikhet.

Utnyttja även Φ(-*z*) = 1 – Φ(*z*) för *P*(*Z* ≤ -*zα*).

|  |  |
| --- | --- |
| *α* | *zα* |
| 0,1 | 1,2816 |
| 0,05 | 1,6449 |
| 0,025 | 1,9600 |
| 0,010 | 2,3263 |
| 0,005 | 2,5758 |
| 0,0025 | 2,8070 |
| 0,0010 | 3,0902 |
| 0,0005 | 3,2905 |
| 0,00025 | 3,4808 |
| 0,00010 | 3,7190 |
| 0,00005 | 3,8906 |
| 0,000025 | 4,0556 |
| 0,000010 | 4,2649 |
| 0,000005 | 4,4172 |

*z*α

*P*(*Z* > *z*α) = α

**TABELL 3.** *t*-fördelningens kvantiler

*T* ∈ *t*(ν) där ν = antal frihetsgrader.

*P*(*T* > *t*α) = α

Vilket värde har *tα* om *P*(*T* > *tα*) = *α*

där *α* är en given sannolikhet.

*t*α

Utnyttja *P*(*T* ≤ -*tα*) = *P*(*T* > *tα*).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ν** | ***α* = 0,1** | **0,05** | **0,025** | **0,010** | **0,005** | **0,0025** | **0,0010** | **0,0005** |
| **1** | 3,078 | 6,314 | 12,706 | 31,821 | 63,657 | 127,321 | 318,309 | 636,619 |
| **2** | 1,886 | 2,920 | 4,303 | 6,965 | 9,925 | 14,089 | 22,327 | 31,599 |
| **3** | 1,638 | 2,353 | 3,182 | 4,541 | 5,841 | 7,453 | 10,215 | 12,924 |
| **4** | 1,533 | 2,132 | 2,776 | 3,747 | 4,604 | 5,598 | 7,173 | 8,610 |
| **5** | 1,476 | 2,015 | 2,571 | 3,365 | 4,032 | 4,773 | 5,893 | 6,869 |
| **6** | 1,440 | 1,943 | 2,447 | 3,143 | 3,707 | 4,317 | 5,208 | 5,959 |
| **7** | 1,415 | 1,895 | 2,365 | 2,998 | 3,499 | 4,029 | 4,785 | 5,408 |
| **8** | 1,397 | 1,860 | 2,306 | 2,896 | 3,355 | 3,833 | 4,501 | 5,041 |
| **9** | 1,383 | 1,833 | 2,262 | 2,821 | 3,250 | 3,690 | 4,297 | 4,781 |
| **10** | 1,372 | 1,812 | 2,228 | 2,764 | 3,169 | 3,581 | 4,144 | 4,587 |
| **11** | 1,363 | 1,796 | 2,201 | 2,718 | 3,106 | 3,497 | 4,025 | 4,437 |
| **12** | 1,356 | 1,782 | 2,179 | 2,681 | 3,055 | 3,428 | 3,930 | 4,318 |
| **13** | 1,350 | 1,771 | 2,160 | 2,650 | 3,012 | 3,372 | 3,852 | 4,221 |
| **14** | 1,345 | 1,761 | 2,145 | 2,624 | 2,977 | 3,326 | 3,787 | 4,140 |
| **15** | 1,341 | 1,753 | 2,131 | 2,602 | 2,947 | 3,286 | 3,733 | 4,073 |
| **16** | 1,337 | 1,746 | 2,120 | 2,583 | 2,921 | 3,252 | 3,686 | 4,015 |
| **17** | 1,333 | 1,740 | 2,110 | 2,567 | 2,898 | 3,222 | 3,646 | 3,965 |
| **18** | 1,330 | 1,734 | 2,101 | 2,552 | 2,878 | 3,197 | 3,610 | 3,922 |
| **19** | 1,328 | 1,729 | 2,093 | 2,539 | 2,861 | 3,174 | 3,579 | 3,883 |
| **20** | 1,325 | 1,725 | 2,086 | 2,528 | 2,845 | 3,153 | 3,552 | 3,850 |
| **21** | 1,323 | 1,721 | 2,080 | 2,518 | 2,831 | 3,135 | 3,527 | 3,819 |
| **22** | 1,321 | 1,717 | 2,074 | 2,508 | 2,819 | 3,119 | 3,505 | 3,792 |
| **23** | 1,319 | 1,714 | 2,069 | 2,500 | 2,807 | 3,104 | 3,485 | 3,768 |
| **24** | 1,318 | 1,711 | 2,064 | 2,492 | 2,797 | 3,091 | 3,467 | 3,745 |
| **25** | 1,316 | 1,708 | 2,060 | 2,485 | 2,787 | 3,078 | 3,450 | 3,725 |
| **26** | 1,315 | 1,706 | 2,056 | 2,479 | 2,779 | 3,067 | 3,435 | 3,707 |
| **27** | 1,314 | 1,703 | 2,052 | 2,473 | 2,771 | 3,057 | 3,421 | 3,690 |
| **28** | 1,313 | 1,701 | 2,048 | 2,467 | 2,763 | 3,047 | 3,408 | 3,674 |
| **29** | 1,311 | 1,699 | 2,045 | 2,462 | 2,756 | 3,038 | 3,396 | 3,659 |
| **30** | 1,310 | 1,697 | 2,042 | 2,457 | 2,750 | 3,030 | 3,385 | 3,646 |
| **35** | 1,306 | 1,690 | 2,030 | 2,438 | 2,724 | 2,996 | 3,340 | 3,591 |
| **40** | 1,303 | 1,684 | 2,021 | 2,423 | 2,704 | 2,971 | 3,307 | 3,551 |
| **45** | 1,301 | 1,679 | 2,014 | 2,412 | 2,690 | 2,952 | 3,281 | 3,520 |
| **50** | 1,299 | 1,676 | 2,009 | 2,403 | 2,678 | 2,937 | 3,261 | 3,496 |
| **55** | 1,297 | 1,673 | 2,004 | 2,396 | 2,668 | 2,925 | 3,245 | 3,476 |
| **60** | 1,296 | 1,671 | 2,000 | 2,390 | 2,660 | 2,915 | 3,232 | 3,460 |
| **65** | 1,295 | 1,669 | 1,997 | 2,385 | 2,654 | 2,906 | 3,220 | 3,447 |
| **70** | 1,294 | 1,667 | 1,994 | 2,381 | 2,648 | 2,899 | 3,211 | 3,435 |
| **75** | 1,293 | 1,665 | 1,992 | 2,377 | 2,643 | 2,892 | 3,202 | 3,425 |

**TABELL 3 forts.** *t*-fördelningens kvantiler

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ν** | ***α* = 0,1** | **0,05** | **0,025** | **0,010** | **0,005** | **0,0025** | **0,0010** | **0,0005** |
| **80** | 1,292 | 1,664 | 1,990 | 2,374 | 2,639 | 2,887 | 3,195 | 3,416 |
| **85** | 1,292 | 1,663 | 1,988 | 2,371 | 2,635 | 2,882 | 3,189 | 3,409 |
| **90** | 1,291 | 1,662 | 1,987 | 2,368 | 2,632 | 2,878 | 3,183 | 3,402 |
| **95** | 1,291 | 1,661 | 1,985 | 2,366 | 2,629 | 2,874 | 3,178 | 3,396 |
| **100** | 1,290 | 1,660 | 1,984 | 2,364 | 2,626 | 2,871 | 3,174 | 3,390 |
| **200** | 1,286 | 1,653 | 1,972 | 2,345 | 2,601 | 2,839 | 3,131 | 3,340 |
| **300** | 1,284 | 1,650 | 1,968 | 2,339 | 2,592 | 2,828 | 3,118 | 3,323 |
| **400** | 1,284 | 1,649 | 1,966 | 2,336 | 2,588 | 2,823 | 3,111 | 3,315 |
| **500** | 1,283 | 1,648 | 1,965 | 2,334 | 2,586 | 2,820 | 3,107 | 3,310 |
| **1000** | 1,282 | 1,646 | 1,962 | 2,330 | 2,581 | 2,813 | 3,098 | 3,300 |
| **2000** | 1,282 | 1,646 | 1,961 | 2,328 | 2,578 | 2,810 | 3,094 | 3,295 |
| **3000** | 1,282 | 1,645 | 1,961 | 2,328 | 2,577 | 2,809 | 3,093 | 3,294 |
| **4000** | 1,282 | 1,645 | 1,961 | 2,327 | 2,577 | 2,809 | 3,092 | 3,293 |
| **5000** | 1,282 | 1,645 | 1,960 | 2,327 | 2,577 | 2,808 | 3,092 | 3,292 |

**TABELL 4.** χ2-fördelningens kvantiler

*Q*∈ χ2(ν) där ν = antal frihetsgrader. Vilket värde har *qα* om *P*(*Q* > *qα*) = *α* där *α* är en given sannolikhet

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ν** | ***α* = 0,999** | **0,995** | **0,99** | **0,975** | **0,95** | **0,05** | **0,025** | **0,01** | **0,005** | **0,001** |
| **1** | 0,000 | 0,000 | 0,000 | 0,001 | 0,004 | 3,841 | 5,024 | 6,635 | 7,879 | 10,828 |
| **2** | 0,002 | 0,010 | 0,020 | 0,051 | 0,103 | 5,991 | 7,378 | 9,210 | 10,597 | 13,816 |
| **3** | 0,024 | 0,072 | 0,115 | 0,216 | 0,352 | 7,815 | 9,348 | 11,345 | 12,838 | 16,266 |
| **4** | 0,091 | 0,207 | 0,297 | 0,484 | 0,711 | 9,488 | 11,143 | 13,277 | 14,860 | 18,467 |
| **5** | 0,210 | 0,412 | 0,554 | 0,831 | 1,145 | 11,070 | 12,833 | 15,086 | 16,750 | 20,515 |
| **6** | 0,381 | 0,676 | 0,872 | 1,237 | 1,635 | 12,592 | 14,449 | 16,812 | 18,548 | 22,458 |
| **7** | 0,598 | 0,989 | 1,239 | 1,690 | 2,167 | 14,067 | 16,013 | 18,475 | 20,278 | 24,322 |
| **8** | 0,857 | 1,344 | 1,646 | 2,180 | 2,733 | 15,507 | 17,535 | 20,090 | 21,955 | 26,124 |
| **9** | 1,152 | 1,735 | 2,088 | 2,700 | 3,325 | 16,919 | 19,023 | 21,666 | 23,589 | 27,877 |
| **10** | 1,479 | 2,156 | 2,558 | 3,247 | 3,940 | 18,307 | 20,483 | 23,209 | 25,188 | 29,588 |
| **11** | 1,834 | 2,603 | 3,053 | 3,816 | 4,575 | 19,675 | 21,920 | 24,725 | 26,757 | 31,264 |
| **12** | 2,214 | 3,074 | 3,571 | 4,404 | 5,226 | 21,026 | 23,337 | 26,217 | 28,300 | 32,909 |
| **13** | 2,617 | 3,565 | 4,107 | 5,009 | 5,892 | 22,362 | 24,736 | 27,688 | 29,819 | 34,528 |
| **14** | 3,041 | 4,075 | 4,660 | 5,629 | 6,571 | 23,685 | 26,119 | 29,141 | 31,319 | 36,123 |
| **15** | 3,483 | 4,601 | 5,229 | 6,262 | 7,261 | 24,996 | 27,488 | 30,578 | 32,801 | 37,697 |
| **16** | 3,942 | 5,142 | 5,812 | 6,908 | 7,962 | 26,296 | 28,845 | 32,000 | 34,267 | 39,252 |
| **17** | 4,416 | 5,697 | 6,408 | 7,564 | 8,672 | 27,587 | 30,191 | 33,409 | 35,718 | 40,790 |
| **18** | 4,905 | 6,265 | 7,015 | 8,231 | 9,390 | 28,869 | 31,526 | 34,805 | 37,156 | 42,312 |
| **19** | 5,407 | 6,844 | 7,633 | 8,907 | 10,117 | 30,144 | 32,852 | 36,191 | 38,582 | 43,820 |
| **20** | 5,921 | 7,434 | 8,260 | 9,591 | 10,851 | 31,410 | 34,170 | 37,566 | 39,997 | 45,315 |
| **21** | 6,447 | 8,034 | 8,897 | 10,283 | 11,591 | 32,671 | 35,479 | 38,932 | 41,401 | 46,797 |
| **22** | 6,983 | 8,643 | 9,542 | 10,982 | 12,338 | 33,924 | 36,781 | 40,289 | 42,796 | 48,268 |
| **23** | 7,529 | 9,260 | 10,196 | 11,689 | 13,091 | 35,172 | 38,076 | 41,638 | 44,181 | 49,728 |
| **24** | 8,085 | 9,886 | 10,856 | 12,401 | 13,848 | 36,415 | 39,364 | 42,980 | 45,559 | 51,179 |
| **25** | 8,649 | 10,520 | 11,524 | 13,120 | 14,611 | 37,652 | 40,646 | 44,314 | 46,928 | 52,620 |
| **26** | 9,222 | 11,160 | 12,198 | 13,844 | 15,379 | 38,885 | 41,923 | 45,642 | 48,290 | 54,052 |
| **27** | 9,803 | 11,808 | 12,879 | 14,573 | 16,151 | 40,113 | 43,195 | 46,963 | 49,645 | 55,476 |
| **28** | 10,391 | 12,461 | 13,565 | 15,308 | 16,928 | 41,337 | 44,461 | 48,278 | 50,993 | 56,892 |
| **29** | 10,986 | 13,121 | 14,256 | 16,047 | 17,708 | 42,557 | 45,722 | 49,588 | 52,336 | 58,301 |
| **30** | 11,588 | 13,787 | 14,953 | 16,791 | 18,493 | 43,773 | 46,979 | 50,892 | 53,672 | 59,703 |
| **35** | 14,688 | 17,192 | 18,509 | 20,569 | 22,465 | 49,802 | 53,203 | 57,342 | 60,275 | 66,619 |
| **40** | 17,916 | 20,707 | 22,164 | 24,433 | 26,509 | 55,758 | 59,342 | 63,691 | 66,766 | 73,402 |
| **45** | 21,251 | 24,311 | 25,901 | 28,366 | 30,612 | 61,656 | 65,410 | 69,957 | 73,166 | 80,077 |
| **50** | 24,674 | 27,991 | 29,707 | 32,357 | 34,764 | 67,505 | 71,420 | 76,154 | 79,490 | 86,661 |
| **55** | 28,173 | 31,735 | 33,570 | 36,398 | 38,958 | 73,311 | 77,380 | 82,292 | 85,749 | 93,168 |
| **60** | 31,738 | 35,534 | 37,485 | 40,482 | 43,188 | 79,082 | 83,298 | 88,379 | 91,952 | 99,607 |
| **65** | 35,362 | 39,383 | 41,444 | 44,603 | 47,450 | 84,821 | 89,177 | 94,422 | 98,105 | 105,988 |
| **70** | 39,036 | 43,275 | 45,442 | 48,758 | 51,739 | 90,531 | 95,023 | 100,425 | 104,215 | 112,317 |
| **75** | 42,757 | 47,206 | 49,475 | 52,942 | 56,054 | 96,217 | 100,839 | 106,393 | 110,286 | 118,599 |
| **80** | 46,520 | 51,172 | 53,540 | 57,153 | 60,391 | 101,879 | 106,629 | 112,329 | 116,321 | 124,839 |
| **85** | 50,320 | 55,170 | 57,634 | 61,389 | 64,749 | 107,522 | 112,393 | 118,236 | 122,325 | 131,041 |
| **90** | 54,155 | 59,196 | 61,754 | 65,647 | 69,126 | 113,145 | 118,136 | 124,116 | 128,299 | 137,208 |
| **95** | 58,022 | 63,250 | 65,898 | 69,925 | 73,520 | 118,752 | 123,858 | 129,973 | 134,247 | 143,344 |
| **100** | 61,918 | 67,328 | 70,065 | 74,222 | 77,929 | 124,342 | 129,561 | 135,807 | 140,169 | 149,449 |

**TABELL 5.** Poisson-fördelningen; λ = 0,05 – 2,9

*P*(*X* ≤ *x*) där *X* ∈ *Po*(λ)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **x** | **λ = 0,05** | **0,1** | **0,2** | **0,3** | **0,4** | **0,5** | **0,6** | **0,7** | **0,8** | **0,9** |
| **0** | 0,95123 | 0,90484 | 0,81873 | 0,74082 | 0,67032 | 0,60653 | 0,54881 | 0,49659 | 0,44933 | 0,40657 |
| **1** | 0,99879 | 0,99532 | 0,98248 | 0,96306 | 0,93845 | 0,90980 | 0,87810 | 0,84420 | 0,80879 | 0,77248 |
| **2** | 0,99998 | 0,99985 | 0,99885 | 0,99640 | 0,99207 | 0,98561 | 0,97688 | 0,96586 | 0,95258 | 0,93714 |
| **3** | 1,00000 | 1,00000 | 0,99994 | 0,99973 | 0,99922 | 0,99825 | 0,99664 | 0,99425 | 0,99092 | 0,98654 |
| **4** |  |  | 1,00000 | 0,99998 | 0,99994 | 0,99983 | 0,99961 | 0,99921 | 0,99859 | 0,99766 |
| **5** |  |  |  | 1,00000 | 1,00000 | 0,99999 | 0,99996 | 0,99991 | 0,99982 | 0,99966 |
| **6** |  |  |  |  |  | 1,00000 | 1,00000 | 0,99999 | 0,99998 | 0,99996 |
| **7** |  |  |  |  |  |  |  | 1,00000 | 1,00000 | 1,00000 |
|  |  |  |  |  |  |  |  |  |  |  |
| **x** | **λ = 1,0** | **1,1** | **1,2** | **1,3** | **1,4** | **1,5** | **1,6** | **1,7** | **1,8** | **1,9** |
| **0** | 0,36788 | 0,33287 | 0,30119 | 0,27253 | 0,24660 | 0,22313 | 0,20190 | 0,18268 | 0,16530 | 0,14957 |
| **1** | 0,73576 | 0,69903 | 0,66263 | 0,62682 | 0,59183 | 0,55783 | 0,52493 | 0,49325 | 0,46284 | 0,43375 |
| **2** | 0,91970 | 0,90042 | 0,87949 | 0,85711 | 0,83350 | 0,80885 | 0,78336 | 0,75722 | 0,73062 | 0,70372 |
| **3** | 0,98101 | 0,97426 | 0,96623 | 0,95690 | 0,94627 | 0,93436 | 0,92119 | 0,90681 | 0,89129 | 0,87470 |
| **4** | 0,99634 | 0,99456 | 0,99225 | 0,98934 | 0,98575 | 0,98142 | 0,97632 | 0,97039 | 0,96359 | 0,95592 |
| **5** | 0,99941 | 0,99903 | 0,99850 | 0,99777 | 0,99680 | 0,99554 | 0,99396 | 0,99200 | 0,98962 | 0,98678 |
| **6** | 0,99992 | 0,99985 | 0,99975 | 0,99960 | 0,99938 | 0,99907 | 0,99866 | 0,99812 | 0,99743 | 0,99655 |
| **7** | 0,99999 | 0,99998 | 0,99996 | 0,99994 | 0,99989 | 0,99983 | 0,99974 | 0,99961 | 0,99944 | 0,99921 |
| **8** | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99998 | 0,99997 | 0,99995 | 0,99993 | 0,99989 | 0,99984 |
| **9** |  |  |  | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99999 | 0,99998 | 0,99997 |
| **10** |  |  |  |  |  |  | 1,00000 | 1,00000 | 1,00000 | 0,99999 |
| **11** |  |  |  |  |  |  |  |  |  | 1,00000 |
|  |  |  |  |  |  |  |  |  |  |  |
| **x** | **λ = 2,0** | **2,1** | **2,2** | **2,3** | **2,4** | **2,5** | **2,6** | **2,7** | **2,8** | **2,9** |
| **0** | 0,13534 | 0,12246 | 0,11080 | 0,10026 | 0,09072 | 0,08208 | 0,07427 | 0,06721 | 0,06081 | 0,05502 |
| **1** | 0,40601 | 0,37961 | 0,35457 | 0,33085 | 0,30844 | 0,28730 | 0,26738 | 0,24866 | 0,23108 | 0,21459 |
| **2** | 0,67668 | 0,64963 | 0,62271 | 0,59604 | 0,56971 | 0,54381 | 0,51843 | 0,49362 | 0,46945 | 0,44596 |
| **3** | 0,85712 | 0,83864 | 0,81935 | 0,79935 | 0,77872 | 0,75758 | 0,73600 | 0,71409 | 0,69194 | 0,66962 |
| **4** | 0,94735 | 0,93787 | 0,92750 | 0,91625 | 0,90413 | 0,89118 | 0,87742 | 0,86291 | 0,84768 | 0,83178 |
| **5** | 0,98344 | 0,97955 | 0,97509 | 0,97002 | 0,96433 | 0,95798 | 0,95096 | 0,94327 | 0,93489 | 0,92583 |
| **6** | 0,99547 | 0,99414 | 0,99254 | 0,99064 | 0,98841 | 0,98581 | 0,98283 | 0,97943 | 0,97559 | 0,97128 |
| **7** | 0,99890 | 0,99851 | 0,99802 | 0,99741 | 0,99666 | 0,99575 | 0,99467 | 0,99338 | 0,99187 | 0,99012 |
| **8** | 0,99976 | 0,99966 | 0,99953 | 0,99936 | 0,99914 | 0,99886 | 0,99851 | 0,99809 | 0,99757 | 0,99694 |
| **9** | 0,99995 | 0,99993 | 0,99990 | 0,99986 | 0,99980 | 0,99972 | 0,99962 | 0,99950 | 0,99934 | 0,99914 |
| **10** | 0,99999 | 0,99999 | 0,99998 | 0,99997 | 0,99996 | 0,99994 | 0,99991 | 0,99988 | 0,99984 | 0,99978 |
| **11** | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99999 | 0,99999 | 0,99998 | 0,99997 | 0,99996 | 0,99995 |
| **12** |  |  |  | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99999 | 0,99999 |
| **13** |  |  |  |  |  |  |  | 1,00000 | 1,00000 | 1,00000 |

**TABELL 5 forts.** Poisson-fördelningen; λ = 3,0 – 4,9

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **x** | **λ = 3,0** | **3,1** | **3,2** | **3,3** | **3,4** | **3,5** | **3,6** | **3,7** | **3,8** | **3,9** |
| **0** | 0,04979 | 0,04505 | 0,04076 | 0,03688 | 0,03337 | 0,03020 | 0,02732 | 0,02472 | 0,02237 | 0,02024 |
| **1** | 0,19915 | 0,18470 | 0,17120 | 0,15860 | 0,14684 | 0,13589 | 0,12569 | 0,11620 | 0,10738 | 0,09919 |
| **2** | 0,42319 | 0,40116 | 0,37990 | 0,35943 | 0,33974 | 0,32085 | 0,30275 | 0,28543 | 0,26890 | 0,25313 |
| **3** | 0,64723 | 0,62484 | 0,60252 | 0,58034 | 0,55836 | 0,53663 | 0,51522 | 0,49415 | 0,47348 | 0,45325 |
| **4** | 0,81526 | 0,79819 | 0,78061 | 0,76259 | 0,74418 | 0,72544 | 0,70644 | 0,68722 | 0,66784 | 0,64837 |
| **5** | 0,91608 | 0,90567 | 0,89459 | 0,88288 | 0,87054 | 0,85761 | 0,84412 | 0,83009 | 0,81556 | 0,80056 |
| **6** | 0,96649 | 0,96120 | 0,95538 | 0,94903 | 0,94215 | 0,93471 | 0,92673 | 0,91819 | 0,90911 | 0,89948 |
| **7** | 0,98810 | 0,98579 | 0,98317 | 0,98022 | 0,97693 | 0,97326 | 0,96921 | 0,96476 | 0,95989 | 0,95460 |
| **8** | 0,99620 | 0,99532 | 0,99429 | 0,99309 | 0,99171 | 0,99013 | 0,98833 | 0,98630 | 0,98402 | 0,98147 |
| **9** | 0,99890 | 0,99860 | 0,99824 | 0,99781 | 0,99729 | 0,99669 | 0,99598 | 0,99515 | 0,99420 | 0,99311 |
| **10** | 0,99971 | 0,99962 | 0,99950 | 0,99936 | 0,99919 | 0,99898 | 0,99873 | 0,99843 | 0,99807 | 0,99765 |
| **11** | 0,99993 | 0,99990 | 0,99987 | 0,99983 | 0,99978 | 0,99971 | 0,99963 | 0,99953 | 0,99941 | 0,99926 |
| **12** | 0,99998 | 0,99998 | 0,99997 | 0,99996 | 0,99994 | 0,99992 | 0,99990 | 0,99987 | 0,99983 | 0,99978 |
| **13** | 1,00000 | 1,00000 | 0,99999 | 0,99999 | 0,99999 | 0,99998 | 0,99997 | 0,99997 | 0,99996 | 0,99994 |
| **14** |  |  | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99999 | 0,99999 | 0,99999 |
| **15** |  |  |  |  |  |  | 1,00000 | 1,00000 | 1,00000 | 1,00000 |
|  |  |  |  |  |  |  |  |  |  |  |
| **x** | **λ = 4,0** | **4,1** | **4,2** | **4,3** | **4,4** | **4,5** | **4,6** | **4,7** | **4,8** | **4,9** |
| **0** | 0,01832 | 0,01657 | 0,01500 | 0,01357 | 0,01228 | 0,01111 | 0,01005 | 0,00910 | 0,00823 | 0,00745 |
| **1** | 0,09158 | 0,08452 | 0,07798 | 0,07191 | 0,06630 | 0,06110 | 0,05629 | 0,05184 | 0,04773 | 0,04393 |
| **2** | 0,23810 | 0,22381 | 0,21024 | 0,19735 | 0,18514 | 0,17358 | 0,16264 | 0,15230 | 0,14254 | 0,13333 |
| **3** | 0,43347 | 0,41418 | 0,39540 | 0,37715 | 0,35945 | 0,34230 | 0,32571 | 0,30968 | 0,29423 | 0,27934 |
| **4** | 0,62884 | 0,60931 | 0,58983 | 0,57044 | 0,55118 | 0,53210 | 0,51323 | 0,49461 | 0,47626 | 0,45821 |
| **5** | 0,78513 | 0,76931 | 0,75314 | 0,73666 | 0,71991 | 0,70293 | 0,68576 | 0,66844 | 0,65101 | 0,63350 |
| **6** | 0,88933 | 0,87865 | 0,86746 | 0,85579 | 0,84365 | 0,83105 | 0,81803 | 0,80461 | 0,79080 | 0,77665 |
| **7** | 0,94887 | 0,94269 | 0,93606 | 0,92897 | 0,92142 | 0,91341 | 0,90495 | 0,89603 | 0,88667 | 0,87686 |
| **8** | 0,97864 | 0,97551 | 0,97207 | 0,96830 | 0,96420 | 0,95974 | 0,95493 | 0,94974 | 0,94418 | 0,93824 |
| **9** | 0,99187 | 0,99046 | 0,98887 | 0,98709 | 0,98511 | 0,98291 | 0,98047 | 0,97779 | 0,97486 | 0,97166 |
| **10** | 0,99716 | 0,99659 | 0,99593 | 0,99518 | 0,99431 | 0,99333 | 0,99222 | 0,99098 | 0,98958 | 0,98803 |
| **11** | 0,99908 | 0,99887 | 0,99863 | 0,99833 | 0,99799 | 0,99760 | 0,99714 | 0,99661 | 0,99601 | 0,99532 |
| **12** | 0,99973 | 0,99966 | 0,99957 | 0,99947 | 0,99934 | 0,99919 | 0,99902 | 0,99882 | 0,99858 | 0,99830 |
| **13** | 0,99992 | 0,99990 | 0,99987 | 0,99984 | 0,99980 | 0,99975 | 0,99969 | 0,99961 | 0,99953 | 0,99942 |
| **14** | 0,99998 | 0,99997 | 0,99997 | 0,99996 | 0,99994 | 0,99993 | 0,99991 | 0,99988 | 0,99985 | 0,99982 |
| **15** | 1,00000 | 0,99999 | 0,99999 | 0,99999 | 0,99998 | 0,99998 | 0,99997 | 0,99997 | 0,99996 | 0,99995 |
| **16** |  | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99999 | 0,99999 | 0,99999 | 0,99998 |
| **17** |  |  |  |  |  | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 |

**TABELL 5 forts.** Poisson-fördelningen; λ = 5,0 – 7,8

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **x** | **λ = 5,0** | **5,1** | **5,2** | **5,3** | **5,4** | **5,5** | **5,6** | **5,7** | **5,8** | **5,9** |
| **0** | 0,00674 | 0,00610 | 0,00552 | 0,00499 | 0,00452 | 0,00409 | 0,00370 | 0,00335 | 0,00303 | 0,00274 |
| **1** | 0,04043 | 0,03719 | 0,03420 | 0,03145 | 0,02891 | 0,02656 | 0,02441 | 0,02242 | 0,02059 | 0,01890 |
| **2** | 0,12465 | 0,11648 | 0,10879 | 0,10155 | 0,09476 | 0,08838 | 0,08239 | 0,07677 | 0,07151 | 0,06658 |
| **3** | 0,26503 | 0,25127 | 0,23807 | 0,22541 | 0,21329 | 0,20170 | 0,19062 | 0,18005 | 0,16996 | 0,16035 |
| **4** | 0,44049 | 0,42313 | 0,40613 | 0,38952 | 0,37331 | 0,35752 | 0,34215 | 0,32721 | 0,31272 | 0,29866 |
| **5** | 0,61596 | 0,59842 | 0,58091 | 0,56347 | 0,54613 | 0,52892 | 0,51186 | 0,49498 | 0,47831 | 0,46187 |
| **6** | 0,76218 | 0,74742 | 0,73239 | 0,71713 | 0,70167 | 0,68604 | 0,67026 | 0,65437 | 0,63839 | 0,62236 |
| **7** | 0,86663 | 0,85598 | 0,84492 | 0,83348 | 0,82166 | 0,80949 | 0,79698 | 0,78415 | 0,77103 | 0,75763 |
| **8** | 0,93191 | 0,92518 | 0,91806 | 0,91055 | 0,90265 | 0,89436 | 0,88568 | 0,87662 | 0,86719 | 0,85739 |
| **9** | 0,96817 | 0,96440 | 0,96033 | 0,95594 | 0,95125 | 0,94622 | 0,94087 | 0,93518 | 0,92916 | 0,92279 |
| **10** | 0,98630 | 0,98440 | 0,98230 | 0,98000 | 0,97749 | 0,97475 | 0,97178 | 0,96856 | 0,96510 | 0,96137 |
| **11** | 0,99455 | 0,99367 | 0,99269 | 0,99159 | 0,99037 | 0,98901 | 0,98751 | 0,98586 | 0,98405 | 0,98207 |
| **12** | 0,99798 | 0,99761 | 0,99719 | 0,99671 | 0,99617 | 0,99555 | 0,99486 | 0,99408 | 0,99321 | 0,99224 |
| **13** | 0,99930 | 0,99916 | 0,99899 | 0,99880 | 0,99857 | 0,99831 | 0,99802 | 0,99768 | 0,99730 | 0,99686 |
| **14** | 0,99977 | 0,99972 | 0,99966 | 0,99959 | 0,99950 | 0,99940 | 0,99928 | 0,99915 | 0,99899 | 0,99881 |
| **15** | 0,99993 | 0,99991 | 0,99989 | 0,99987 | 0,99984 | 0,99980 | 0,99976 | 0,99970 | 0,99964 | 0,99957 |
| **16** | 0,99998 | 0,99997 | 0,99997 | 0,99996 | 0,99995 | 0,99994 | 0,99992 | 0,99990 | 0,99988 | 0,99986 |
| **17** | 0,99999 | 0,99999 | 0,99999 | 0,99999 | 0,99999 | 0,99998 | 0,99998 | 0,99997 | 0,99996 | 0,99995 |
| **18** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99999 | 0,99999 | 0,99999 | 0,99999 |
| **19** |  |  |  |  |  | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 |
|  |  |  |  |  |  |  |  |  |  |  |
| **x** | **λ = 6,0** | **6,2** | **6,4** | **6,6** | **6,8** | **7,0** | **7,2** | **7,4** | **7,6** | **7,8** |
| **0** | 0,00248 | 0,00203 | 0,00166 | 0,00136 | 0,00111 | 0,00091 | 0,00075 | 0,00061 | 0,00050 | 0,00041 |
| **1** | 0,01735 | 0,01461 | 0,01230 | 0,01034 | 0,00869 | 0,00730 | 0,00612 | 0,00513 | 0,00430 | 0,00361 |
| **2** | 0,06197 | 0,05362 | 0,04632 | 0,03997 | 0,03444 | 0,02964 | 0,02547 | 0,02187 | 0,01876 | 0,01607 |
| **3** | 0,15120 | 0,13423 | 0,11892 | 0,10515 | 0,09281 | 0,08177 | 0,07192 | 0,06315 | 0,05537 | 0,04848 |
| **4** | 0,28506 | 0,25918 | 0,23507 | 0,21270 | 0,19203 | 0,17299 | 0,15552 | 0,13953 | 0,12494 | 0,11167 |
| **5** | 0,44568 | 0,41411 | 0,38374 | 0,35467 | 0,32698 | 0,30071 | 0,27590 | 0,25256 | 0,23068 | 0,21025 |
| **6** | 0,60630 | 0,57421 | 0,54233 | 0,51084 | 0,47992 | 0,44971 | 0,42036 | 0,39196 | 0,36462 | 0,33841 |
| **7** | 0,74398 | 0,71602 | 0,68732 | 0,65808 | 0,62849 | 0,59871 | 0,56894 | 0,53933 | 0,51004 | 0,48121 |
| **8** | 0,84724 | 0,82591 | 0,80331 | 0,77956 | 0,75477 | 0,72909 | 0,70267 | 0,67565 | 0,64819 | 0,62044 |
| **9** | 0,91608 | 0,90162 | 0,88580 | 0,86864 | 0,85018 | 0,83050 | 0,80965 | 0,78773 | 0,76485 | 0,74111 |
| **10** | 0,95738 | 0,94856 | 0,93859 | 0,92743 | 0,91507 | 0,90148 | 0,88668 | 0,87068 | 0,85351 | 0,83523 |
| **11** | 0,97991 | 0,97502 | 0,96930 | 0,96271 | 0,95517 | 0,94665 | 0,93709 | 0,92647 | 0,91477 | 0,90197 |
| **12** | 0,99117 | 0,98868 | 0,98568 | 0,98211 | 0,97790 | 0,97300 | 0,96734 | 0,96088 | 0,95357 | 0,94535 |
| **13** | 0,99637 | 0,99520 | 0,99375 | 0,99196 | 0,98979 | 0,98719 | 0,98410 | 0,98047 | 0,97625 | 0,97138 |
| **14** | 0,99860 | 0,99809 | 0,99744 | 0,99661 | 0,99557 | 0,99428 | 0,99272 | 0,99082 | 0,98856 | 0,98588 |
| **15** | 0,99949 | 0,99928 | 0,99901 | 0,99865 | 0,99818 | 0,99759 | 0,99685 | 0,99593 | 0,99480 | 0,99342 |
| **16** | 0,99983 | 0,99975 | 0,99964 | 0,99949 | 0,99930 | 0,99904 | 0,99871 | 0,99829 | 0,99776 | 0,99710 |
| **17** | 0,99994 | 0,99991 | 0,99987 | 0,99982 | 0,99974 | 0,99964 | 0,99950 | 0,99932 | 0,99909 | 0,99879 |
| **18** | 0,99998 | 0,99997 | 0,99996 | 0,99994 | 0,99991 | 0,99987 | 0,99982 | 0,99974 | 0,99964 | 0,99952 |
| **19** | 0,99999 | 0,99999 | 0,99999 | 0,99998 | 0,99997 | 0,99996 | 0,99994 | 0,99991 | 0,99987 | 0,99982 |
| **20** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99997 | 0,99995 | 0,99993 |
| **21** |  |  |  |  |  |  | 1,00000 | 1,00000 | 1,00000 | 1,00000 |

**TABELL 5 forts.** Poisson-fördelningen; λ = 8,0 – 15

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **x** | **λ = 8** | **8,5** | **9** | **9,5** | **10** | **11** | **12** | **13** | **14** | **15** |
| **0** | 0,00034 | 0,00020 | 0,00012 | 0,00007 | 0,00005 | 0,00002 | 0,00001 | 0,00000 | 0,00000 | 0,00000 |
| **1** | 0,00302 | 0,00193 | 0,00123 | 0,00079 | 0,00050 | 0,00020 | 0,00008 | 0,00003 | 0,00001 | 0,00000 |
| **2** | 0,01375 | 0,00928 | 0,00623 | 0,00416 | 0,00277 | 0,00121 | 0,00052 | 0,00022 | 0,00009 | 0,00004 |
| **3** | 0,04238 | 0,03011 | 0,02123 | 0,01486 | 0,01034 | 0,00492 | 0,00229 | 0,00105 | 0,00047 | 0,00021 |
| **4** | 0,09963 | 0,07436 | 0,05496 | 0,04026 | 0,02925 | 0,01510 | 0,00760 | 0,00374 | 0,00181 | 0,00086 |
| **5** | 0,19124 | 0,14960 | 0,11569 | 0,08853 | 0,06709 | 0,03752 | 0,02034 | 0,01073 | 0,00553 | 0,00279 |
| **6** | 0,31337 | 0,25618 | 0,20678 | 0,16495 | 0,13014 | 0,07861 | 0,04582 | 0,02589 | 0,01423 | 0,00763 |
| **7** | 0,45296 | 0,38560 | 0,32390 | 0,26866 | 0,22022 | 0,14319 | 0,08950 | 0,05403 | 0,03162 | 0,01800 |
| **8** | 0,59255 | 0,52311 | 0,45565 | 0,39182 | 0,33282 | 0,23199 | 0,15503 | 0,09976 | 0,06206 | 0,03745 |
| **9** | 0,71662 | 0,65297 | 0,58741 | 0,52183 | 0,45793 | 0,34051 | 0,24239 | 0,16581 | 0,10940 | 0,06985 |
| **10** | 0,81589 | 0,76336 | 0,70599 | 0,64533 | 0,58304 | 0,45989 | 0,34723 | 0,25168 | 0,17568 | 0,11846 |
| **11** | 0,88808 | 0,84866 | 0,80301 | 0,75199 | 0,69678 | 0,57927 | 0,46160 | 0,35316 | 0,26004 | 0,18475 |
| **12** | 0,93620 | 0,90908 | 0,87577 | 0,83643 | 0,79156 | 0,68870 | 0,57597 | 0,46310 | 0,35846 | 0,26761 |
| **13** | 0,96582 | 0,94859 | 0,92615 | 0,89814 | 0,86446 | 0,78129 | 0,68154 | 0,57304 | 0,46445 | 0,36322 |
| **14** | 0,98274 | 0,97257 | 0,95853 | 0,94001 | 0,91654 | 0,85404 | 0,77202 | 0,67513 | 0,57044 | 0,46565 |
| **15** | 0,99177 | 0,98617 | 0,97796 | 0,96653 | 0,95126 | 0,90740 | 0,84442 | 0,76361 | 0,66936 | 0,56809 |
| **16** | 0,99628 | 0,99339 | 0,98889 | 0,98227 | 0,97296 | 0,94408 | 0,89871 | 0,83549 | 0,75592 | 0,66412 |
| **17** | 0,99841 | 0,99700 | 0,99468 | 0,99107 | 0,98572 | 0,96781 | 0,93703 | 0,89046 | 0,82720 | 0,74886 |
| **18** | 0,99935 | 0,99870 | 0,99757 | 0,99572 | 0,99281 | 0,98231 | 0,96258 | 0,93017 | 0,88264 | 0,81947 |
| **19** | 0,99975 | 0,99947 | 0,99894 | 0,99804 | 0,99655 | 0,99071 | 0,97872 | 0,95733 | 0,92350 | 0,87522 |
| **20** | 0,99991 | 0,99979 | 0,99956 | 0,99914 | 0,99841 | 0,99533 | 0,98840 | 0,97499 | 0,95209 | 0,91703 |
| **21** | 0,99997 | 0,99992 | 0,99983 | 0,99964 | 0,99930 | 0,99775 | 0,99393 | 0,98592 | 0,97116 | 0,94689 |
| **22** | 0,99999 | 0,99997 | 0,99993 | 0,99985 | 0,99970 | 0,99896 | 0,99695 | 0,99238 | 0,98329 | 0,96726 |
| **23** | 1,00000 | 0,99999 | 0,99998 | 0,99994 | 0,99988 | 0,99954 | 0,99853 | 0,99603 | 0,99067 | 0,98054 |
| **24** |  | 1,00000 | 0,99999 | 0,99998 | 0,99995 | 0,99980 | 0,99931 | 0,99801 | 0,99498 | 0,98884 |
| **25** |  |  | 1,00000 | 0,99999 | 0,99998 | 0,99992 | 0,99969 | 0,99903 | 0,99739 | 0,99382 |
| **26** |  |  |  | 1,00000 | 0,99999 | 0,99997 | 0,99987 | 0,99955 | 0,99869 | 0,99669 |
| **27** |  |  |  |  | 1,00000 | 0,99999 | 0,99994 | 0,99980 | 0,99936 | 0,99828 |
| **28** |  |  |  |  |  | 1,00000 | 0,99998 | 0,99991 | 0,99970 | 0,99914 |
| **29** |  |  |  |  |  |  | 0,99999 | 0,99996 | 0,99986 | 0,99958 |
| **30** |  |  |  |  |  |  | 1,00000 | 0,99998 | 0,99994 | 0,99980 |
| **31** |  |  |  |  |  |  |  | 0,99999 | 0,99997 | 0,99991 |
| **32** |  |  |  |  |  |  |  | 1,00000 | 0,99999 | 0,99996 |
| **33** |  |  |  |  |  |  |  |  | 1,00000 | 0,99998 |
| **34** |  |  |  |  |  |  |  |  |  | 0,99999 |
| **35** |  |  |  |  |  |  |  |  |  | 1,00000 |

**TABELL 6.** Binomial-fördelningen; *n* = 2,…,9

*P*(*X* ≤ *x*) där *X* ∈ *Bin*(*n*, *p*). För *p* > 0,5, utnyttja att *P*(*X* ≤ *x*) = *P*(*Y* ≥ *n*-*x*) där *Y* ∈ *Bin*(*n*, 1-*p*)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***n*** | ***x*** | ***p* = 0,05** | **0,1** | **0,15** | **0,2** | **0,25** | **0,3** | **0,35** | **0,4** | **0,45** | **0,5** |
| **2** | **0** | 0,90250 | 0,81000 | 0,72250 | 0,64000 | 0,56250 | 0,49000 | 0,42250 | 0,36000 | 0,30250 | 0,25000 |
|  | **1** | 0,99750 | 0,99000 | 0,97750 | 0,96000 | 0,93750 | 0,91000 | 0,87750 | 0,84000 | 0,79750 | 0,75000 |
| **3** | **0** | 0,85738 | 0,72900 | 0,61413 | 0,51200 | 0,42188 | 0,34300 | 0,27463 | 0,21600 | 0,16638 | 0,12500 |
|  | **1** | 0,99275 | 0,97200 | 0,93925 | 0,89600 | 0,84375 | 0,78400 | 0,71825 | 0,64800 | 0,57475 | 0,50000 |
|  | **2** | 0,99988 | 0,99900 | 0,99663 | 0,99200 | 0,98438 | 0,97300 | 0,95713 | 0,93600 | 0,90888 | 0,87500 |
| **4** | **0** | 0,81451 | 0,65610 | 0,52201 | 0,40960 | 0,31641 | 0,24010 | 0,17851 | 0,12960 | 0,09151 | 0,06250 |
|  | **1** | 0,98598 | 0,94770 | 0,89048 | 0,81920 | 0,73828 | 0,65170 | 0,56298 | 0,47520 | 0,39098 | 0,31250 |
|  | **2** | 0,99952 | 0,99630 | 0,98802 | 0,97280 | 0,94922 | 0,91630 | 0,87352 | 0,82080 | 0,75852 | 0,68750 |
|  | **3** | 0,99999 | 0,99990 | 0,99949 | 0,99840 | 0,99609 | 0,99190 | 0,98499 | 0,97440 | 0,95899 | 0,93750 |
| **5** | **0** | 0,77378 | 0,59049 | 0,44371 | 0,32768 | 0,23730 | 0,16807 | 0,11603 | 0,07776 | 0,05033 | 0,03125 |
|  | **1** | 0,97741 | 0,91854 | 0,83521 | 0,73728 | 0,63281 | 0,52822 | 0,42842 | 0,33696 | 0,25622 | 0,18750 |
|  | **2** | 0,99884 | 0,99144 | 0,97339 | 0,94208 | 0,89648 | 0,83692 | 0,76483 | 0,68256 | 0,59313 | 0,50000 |
|  | **3** | 0,99997 | 0,99954 | 0,99777 | 0,99328 | 0,98438 | 0,96922 | 0,94598 | 0,91296 | 0,86878 | 0,81250 |
|  | **4** | 1,00000 | 0,99999 | 0,99992 | 0,99968 | 0,99902 | 0,99757 | 0,99475 | 0,98976 | 0,98155 | 0,96875 |
| **6** | **0** | 0,73509 | 0,53144 | 0,37715 | 0,26214 | 0,17798 | 0,11765 | 0,07542 | 0,04666 | 0,02768 | 0,01563 |
|  | **1** | 0,96723 | 0,88574 | 0,77648 | 0,65536 | 0,53394 | 0,42018 | 0,31908 | 0,23328 | 0,16357 | 0,10938 |
|  | **2** | 0,99777 | 0,98415 | 0,95266 | 0,90112 | 0,83057 | 0,74431 | 0,64709 | 0,54432 | 0,44152 | 0,34375 |
|  | **3** | 0,99991 | 0,99873 | 0,99411 | 0,98304 | 0,96240 | 0,92953 | 0,88258 | 0,82080 | 0,74474 | 0,65625 |
|  | **4** | 1,00000 | 0,99995 | 0,99960 | 0,99840 | 0,99536 | 0,98906 | 0,97768 | 0,95904 | 0,93080 | 0,89063 |
|  | **5** | 1,00000 | 1,00000 | 0,99999 | 0,99994 | 0,99976 | 0,99927 | 0,99816 | 0,99590 | 0,99170 | 0,98438 |
| **7** | **0** | 0,69834 | 0,47830 | 0,32058 | 0,20972 | 0,13348 | 0,08235 | 0,04902 | 0,02799 | 0,01522 | 0,00781 |
|  | **1** | 0,95562 | 0,85031 | 0,71658 | 0,57672 | 0,44495 | 0,32942 | 0,23380 | 0,15863 | 0,10242 | 0,06250 |
|  | **2** | 0,99624 | 0,97431 | 0,92623 | 0,85197 | 0,75641 | 0,64707 | 0,53228 | 0,41990 | 0,31644 | 0,22656 |
|  | **3** | 0,99981 | 0,99727 | 0,98790 | 0,96666 | 0,92944 | 0,87396 | 0,80015 | 0,71021 | 0,60829 | 0,50000 |
|  | **4** | 0,99999 | 0,99982 | 0,99878 | 0,99533 | 0,98712 | 0,97120 | 0,94439 | 0,90374 | 0,84707 | 0,77344 |
|  | **5** | 1,00000 | 0,99999 | 0,99993 | 0,99963 | 0,99866 | 0,99621 | 0,99099 | 0,98116 | 0,96429 | 0,93750 |
|  | **6** | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99994 | 0,99978 | 0,99936 | 0,99836 | 0,99626 | 0,99219 |
| **8** | **0** | 0,66342 | 0,43047 | 0,27249 | 0,16777 | 0,10011 | 0,05765 | 0,03186 | 0,01680 | 0,00837 | 0,00391 |
|  | **1** | 0,94276 | 0,81310 | 0,65718 | 0,50332 | 0,36708 | 0,25530 | 0,16913 | 0,10638 | 0,06318 | 0,03516 |
|  | **2** | 0,99421 | 0,96191 | 0,89479 | 0,79692 | 0,67854 | 0,55177 | 0,42781 | 0,31539 | 0,22013 | 0,14453 |
|  | **3** | 0,99963 | 0,99498 | 0,97865 | 0,94372 | 0,88618 | 0,80590 | 0,70640 | 0,59409 | 0,47696 | 0,36328 |
|  | **4** | 0,99998 | 0,99957 | 0,99715 | 0,98959 | 0,97270 | 0,94203 | 0,89391 | 0,82633 | 0,73962 | 0,63672 |
|  | **5** | 1,00000 | 0,99998 | 0,99976 | 0,99877 | 0,99577 | 0,98871 | 0,97468 | 0,95019 | 0,91154 | 0,85547 |
|  | **6** | 1,00000 | 1,00000 | 0,99999 | 0,99992 | 0,99962 | 0,99871 | 0,99643 | 0,99148 | 0,98188 | 0,96484 |
|  | **7** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99993 | 0,99977 | 0,99934 | 0,99832 | 0,99609 |
| **9** | **0** | 0,63025 | 0,38742 | 0,23162 | 0,13422 | 0,07508 | 0,04035 | 0,02071 | 0,01008 | 0,00461 | 0,00195 |
|  | **1** | 0,92879 | 0,77484 | 0,59948 | 0,43621 | 0,30034 | 0,19600 | 0,12109 | 0,07054 | 0,03852 | 0,01953 |
|  | **2** | 0,99164 | 0,94703 | 0,85915 | 0,73820 | 0,60068 | 0,46283 | 0,33727 | 0,23179 | 0,14950 | 0,08984 |
|  | **3** | 0,99936 | 0,99167 | 0,96607 | 0,91436 | 0,83427 | 0,72966 | 0,60889 | 0,48261 | 0,36138 | 0,25391 |
|  | **4** | 0,99997 | 0,99911 | 0,99437 | 0,98042 | 0,95107 | 0,90119 | 0,82828 | 0,73343 | 0,62142 | 0,50000 |
|  | **5** | 1,00000 | 0,99994 | 0,99937 | 0,99693 | 0,99001 | 0,97471 | 0,94641 | 0,90065 | 0,83418 | 0,74609 |
|  | **6** | 1,00000 | 1,00000 | 0,99995 | 0,99969 | 0,99866 | 0,99571 | 0,98882 | 0,97497 | 0,95023 | 0,91016 |
|  | **7** | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99989 | 0,99957 | 0,99860 | 0,99620 | 0,99092 | 0,98047 |
|  | **8** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99992 | 0,99974 | 0,99924 | 0,99805 |

**TABELL 6 forts.** Binomial-fördelningen; *n* = 10, …,13

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***n*** | ***x*** | ***p* = 0,05** | **0,1** | **0,15** | **0,2** | **0,25** | **0,3** | **0,35** | **0,4** | **0,45** | **0,5** |
| **10** | **0** | 0,59874 | 0,34868 | 0,19687 | 0,10737 | 0,05631 | 0,02825 | 0,01346 | 0,00605 | 0,00253 | 0,00098 |
|  | **1** | 0,91386 | 0,73610 | 0,54430 | 0,37581 | 0,24403 | 0,14931 | 0,08595 | 0,04636 | 0,02326 | 0,01074 |
|  | **2** | 0,98850 | 0,92981 | 0,82020 | 0,67780 | 0,52559 | 0,38278 | 0,26161 | 0,16729 | 0,09956 | 0,05469 |
|  | **3** | 0,99897 | 0,98720 | 0,95003 | 0,87913 | 0,77588 | 0,64961 | 0,51383 | 0,38228 | 0,26604 | 0,17188 |
|  | **4** | 0,99994 | 0,99837 | 0,99013 | 0,96721 | 0,92187 | 0,84973 | 0,75150 | 0,63310 | 0,50440 | 0,37695 |
|  | **5** | 1,00000 | 0,99985 | 0,99862 | 0,99363 | 0,98027 | 0,95265 | 0,90507 | 0,83376 | 0,73844 | 0,62305 |
|  | **6** | 1,00000 | 0,99999 | 0,99987 | 0,99914 | 0,99649 | 0,98941 | 0,97398 | 0,94524 | 0,89801 | 0,82813 |
|  | **7** | 1,00000 | 1,00000 | 0,99999 | 0,99992 | 0,99958 | 0,99841 | 0,99518 | 0,98771 | 0,97261 | 0,94531 |
|  | **8** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99986 | 0,99946 | 0,99832 | 0,99550 | 0,98926 |
|  | **9** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99997 | 0,99990 | 0,99966 | 0,99902 |
| **11** | **0** | 0,56880 | 0,31381 | 0,16734 | 0,08590 | 0,04224 | 0,01977 | 0,00875 | 0,00363 | 0,00139 | 0,00049 |
|  | **1** | 0,89811 | 0,69736 | 0,49219 | 0,32212 | 0,19710 | 0,11299 | 0,06058 | 0,03023 | 0,01393 | 0,00586 |
|  | **2** | 0,98476 | 0,91044 | 0,77881 | 0,61740 | 0,45520 | 0,31274 | 0,20013 | 0,11892 | 0,06522 | 0,03271 |
|  | **3** | 0,99845 | 0,98147 | 0,93056 | 0,83886 | 0,71330 | 0,56956 | 0,42555 | 0,29628 | 0,19112 | 0,11328 |
|  | **4** | 0,99989 | 0,99725 | 0,98411 | 0,94959 | 0,88537 | 0,78970 | 0,66831 | 0,53277 | 0,39714 | 0,27441 |
|  | **5** | 0,99999 | 0,99970 | 0,99734 | 0,98835 | 0,96567 | 0,92178 | 0,85132 | 0,75350 | 0,63312 | 0,50000 |
|  | **6** | 1,00000 | 0,99998 | 0,99968 | 0,99803 | 0,99244 | 0,97838 | 0,94986 | 0,90065 | 0,82620 | 0,72559 |
|  | **7** | 1,00000 | 1,00000 | 0,99997 | 0,99976 | 0,99881 | 0,99571 | 0,98776 | 0,97072 | 0,93904 | 0,88672 |
|  | **8** | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99987 | 0,99942 | 0,99796 | 0,99408 | 0,98520 | 0,96729 |
|  | **9** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99995 | 0,99979 | 0,99927 | 0,99779 | 0,99414 |
|  | **10** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99996 | 0,99985 | 0,99951 |
| **12** | **0** | 0,54036 | 0,28243 | 0,14224 | 0,06872 | 0,03168 | 0,01384 | 0,00569 | 0,00218 | 0,00077 | 0,00024 |
|  | **1** | 0,88164 | 0,65900 | 0,44346 | 0,27488 | 0,15838 | 0,08503 | 0,04244 | 0,01959 | 0,00829 | 0,00317 |
|  | **2** | 0,98043 | 0,88913 | 0,73582 | 0,55835 | 0,39068 | 0,25282 | 0,15129 | 0,08344 | 0,04214 | 0,01929 |
|  | **3** | 0,99776 | 0,97436 | 0,90779 | 0,79457 | 0,64878 | 0,49252 | 0,34665 | 0,22534 | 0,13447 | 0,07300 |
|  | **4** | 0,99982 | 0,99567 | 0,97608 | 0,92744 | 0,84236 | 0,72366 | 0,58335 | 0,43818 | 0,30443 | 0,19385 |
|  | **5** | 0,99999 | 0,99946 | 0,99536 | 0,98059 | 0,94560 | 0,88215 | 0,78726 | 0,66521 | 0,52693 | 0,38721 |
|  | **6** | 1,00000 | 0,99995 | 0,99933 | 0,99610 | 0,98575 | 0,96140 | 0,91537 | 0,84179 | 0,73931 | 0,61279 |
|  | **7** | 1,00000 | 1,00000 | 0,99993 | 0,99942 | 0,99722 | 0,99051 | 0,97449 | 0,94269 | 0,88826 | 0,80615 |
|  | **8** | 1,00000 | 1,00000 | 0,99999 | 0,99994 | 0,99961 | 0,99831 | 0,99439 | 0,98473 | 0,96443 | 0,92700 |
|  | **9** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99996 | 0,99979 | 0,99915 | 0,99719 | 0,99212 | 0,98071 |
|  | **10** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99992 | 0,99968 | 0,99892 | 0,99683 |
|  | **11** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99993 | 0,99976 |
| **13** | **0** | 0,51334 | 0,25419 | 0,12091 | 0,05498 | 0,02376 | 0,00969 | 0,00370 | 0,00131 | 0,00042 | 0,00012 |
|  | **1** | 0,86458 | 0,62134 | 0,39828 | 0,23365 | 0,12671 | 0,06367 | 0,02958 | 0,01263 | 0,00490 | 0,00171 |
|  | **2** | 0,97549 | 0,86612 | 0,69196 | 0,50165 | 0,33260 | 0,20248 | 0,11319 | 0,05790 | 0,02691 | 0,01123 |
|  | **3** | 0,99690 | 0,96584 | 0,88200 | 0,74732 | 0,58425 | 0,42061 | 0,27827 | 0,16858 | 0,09292 | 0,04614 |
|  | **4** | 0,99971 | 0,99354 | 0,96584 | 0,90087 | 0,79396 | 0,65431 | 0,50050 | 0,35304 | 0,22795 | 0,13342 |
|  | **5** | 0,99998 | 0,99908 | 0,99247 | 0,96996 | 0,91979 | 0,83460 | 0,71589 | 0,57440 | 0,42681 | 0,29053 |
|  | **6** | 1,00000 | 0,99990 | 0,99873 | 0,99300 | 0,97571 | 0,93762 | 0,87053 | 0,77116 | 0,64374 | 0,50000 |
|  | **7** | 1,00000 | 0,99999 | 0,99984 | 0,99875 | 0,99435 | 0,98178 | 0,95380 | 0,90233 | 0,82123 | 0,70947 |
|  | **8** | 1,00000 | 1,00000 | 0,99998 | 0,99983 | 0,99901 | 0,99597 | 0,98743 | 0,96792 | 0,93015 | 0,86658 |
|  | **9** | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99987 | 0,99935 | 0,99749 | 0,99221 | 0,97966 | 0,95386 |
|  | **10** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99993 | 0,99965 | 0,99868 | 0,99586 | 0,98877 |
|  | **11** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99986 | 0,99948 | 0,99829 |
|  | **12** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99997 | 0,99988 |

**TABELL 6 forts.** Binomial-fördelningen; *n* = 14,15,16

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***n*** | ***x*** | ***p* = 0,05** | **0,1** | **0,15** | **0,2** | **0,25** | **0,3** | **0,35** | **0,4** | **0,45** | **0,5** |
| **14** | **0** | 0,48767 | 0,22877 | 0,10277 | 0,04398 | 0,01782 | 0,00678 | 0,00240 | 0,00078 | 0,00023 | 0,00006 |
|  | **1** | 0,84701 | 0,58463 | 0,35667 | 0,19791 | 0,10097 | 0,04748 | 0,02052 | 0,00810 | 0,00289 | 0,00092 |
|  | **2** | 0,96995 | 0,84164 | 0,64791 | 0,44805 | 0,28113 | 0,16084 | 0,08393 | 0,03979 | 0,01701 | 0,00647 |
|  | **3** | 0,99583 | 0,95587 | 0,85349 | 0,69819 | 0,52134 | 0,35517 | 0,22050 | 0,12431 | 0,06322 | 0,02869 |
|  | **4** | 0,99957 | 0,99077 | 0,95326 | 0,87016 | 0,74153 | 0,58420 | 0,42272 | 0,27926 | 0,16719 | 0,08978 |
|  | **5** | 0,99997 | 0,99853 | 0,98847 | 0,95615 | 0,88833 | 0,78052 | 0,64051 | 0,48585 | 0,33732 | 0,21198 |
|  | **6** | 1,00000 | 0,99982 | 0,99779 | 0,98839 | 0,96173 | 0,90672 | 0,81641 | 0,69245 | 0,54612 | 0,39526 |
|  | **7** | 1,00000 | 0,99998 | 0,99967 | 0,99760 | 0,98969 | 0,96853 | 0,92466 | 0,84986 | 0,74136 | 0,60474 |
|  | **8** | 1,00000 | 1,00000 | 0,99996 | 0,99962 | 0,99785 | 0,99171 | 0,97566 | 0,94168 | 0,88114 | 0,78802 |
|  | **9** | 1,00000 | 1,00000 | 1,00000 | 0,99995 | 0,99966 | 0,99833 | 0,99396 | 0,98249 | 0,95738 | 0,91022 |
|  | **10** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99996 | 0,99975 | 0,99889 | 0,99609 | 0,98857 | 0,97131 |
|  | **11** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99986 | 0,99939 | 0,99785 | 0,99353 |
|  | **12** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99994 | 0,99975 | 0,99908 |
|  | **13** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99994 |
| **15** | **0** | 0,46329 | 0,20589 | 0,08735 | 0,03518 | 0,01336 | 0,00475 | 0,00156 | 0,00047 | 0,00013 | 0,00003 |
|  | **1** | 0,82905 | 0,54904 | 0,31859 | 0,16713 | 0,08018 | 0,03527 | 0,01418 | 0,00517 | 0,00169 | 0,00049 |
|  | **2** | 0,96380 | 0,81594 | 0,60423 | 0,39802 | 0,23609 | 0,12683 | 0,06173 | 0,02711 | 0,01065 | 0,00369 |
|  | **3** | 0,99453 | 0,94444 | 0,82266 | 0,64816 | 0,46129 | 0,29687 | 0,17270 | 0,09050 | 0,04242 | 0,01758 |
|  | **4** | 0,99939 | 0,98728 | 0,93829 | 0,83577 | 0,68649 | 0,51549 | 0,35194 | 0,21728 | 0,12040 | 0,05923 |
|  | **5** | 0,99995 | 0,99775 | 0,98319 | 0,93895 | 0,85163 | 0,72162 | 0,56428 | 0,40322 | 0,26076 | 0,15088 |
|  | **6** | 1,00000 | 0,99969 | 0,99639 | 0,98194 | 0,94338 | 0,86886 | 0,75484 | 0,60981 | 0,45216 | 0,30362 |
|  | **7** | 1,00000 | 0,99997 | 0,99939 | 0,99576 | 0,98270 | 0,94999 | 0,88677 | 0,78690 | 0,65350 | 0,50000 |
|  | **8** | 1,00000 | 1,00000 | 0,99992 | 0,99922 | 0,99581 | 0,98476 | 0,95781 | 0,90495 | 0,81824 | 0,69638 |
|  | **9** | 1,00000 | 1,00000 | 0,99999 | 0,99989 | 0,99921 | 0,99635 | 0,98756 | 0,96617 | 0,92307 | 0,84912 |
|  | **10** | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99988 | 0,99933 | 0,99717 | 0,99065 | 0,97453 | 0,94077 |
|  | **11** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99991 | 0,99952 | 0,99807 | 0,99367 | 0,98242 |
|  | **12** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99994 | 0,99972 | 0,99889 | 0,99631 |
|  | **13** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99988 | 0,99951 |
|  | **14** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99997 |
| **16** | **0** | 0,44013 | 0,18530 | 0,07425 | 0,02815 | 0,01002 | 0,00332 | 0,00102 | 0,00028 | 0,00007 | 0,00002 |
|  | **1** | 0,81076 | 0,51473 | 0,28390 | 0,14074 | 0,06348 | 0,02611 | 0,00976 | 0,00329 | 0,00099 | 0,00026 |
|  | **2** | 0,95706 | 0,78925 | 0,56138 | 0,35184 | 0,19711 | 0,09936 | 0,04509 | 0,01834 | 0,00662 | 0,00209 |
|  | **3** | 0,99300 | 0,93159 | 0,78989 | 0,59813 | 0,40499 | 0,24586 | 0,13386 | 0,06515 | 0,02813 | 0,01064 |
|  | **4** | 0,99914 | 0,98300 | 0,92095 | 0,79825 | 0,63019 | 0,44990 | 0,28921 | 0,16657 | 0,08531 | 0,03841 |
|  | **5** | 0,99992 | 0,99670 | 0,97646 | 0,91831 | 0,81035 | 0,65978 | 0,48996 | 0,32884 | 0,19760 | 0,10506 |
|  | **6** | 0,99999 | 0,99950 | 0,99441 | 0,97334 | 0,92044 | 0,82469 | 0,68815 | 0,52717 | 0,36603 | 0,22725 |
|  | **7** | 1,00000 | 0,99994 | 0,99894 | 0,99300 | 0,97287 | 0,92565 | 0,84059 | 0,71606 | 0,56290 | 0,40181 |
|  | **8** | 1,00000 | 0,99999 | 0,99984 | 0,99852 | 0,99253 | 0,97433 | 0,93294 | 0,85773 | 0,74411 | 0,59819 |
|  | **9** | 1,00000 | 1,00000 | 0,99998 | 0,99975 | 0,99836 | 0,99287 | 0,97714 | 0,94168 | 0,87590 | 0,77275 |
|  | **10** | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99971 | 0,99843 | 0,99380 | 0,98086 | 0,95138 | 0,89494 |
|  | **11** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99996 | 0,99973 | 0,99870 | 0,99510 | 0,98506 | 0,96159 |
|  | **12** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99980 | 0,99906 | 0,99654 | 0,98936 |
|  | **13** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99987 | 0,99944 | 0,99791 |
|  | **14** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99994 | 0,99974 |
|  | **15** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99998 |

**TABELL 6 forts.** Binomial-fördelningen; *n* = 17,18,19

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***n*** | ***x*** | ***p* = 0,05** | **0,1** | **0,15** | **0,2** | **0,25** | **0,3** | **0,35** | **0,4** | **0,45** | **0,5** |
| **17** | **0** | 0,41812 | 0,16677 | 0,06311 | 0,02252 | 0,00752 | 0,00233 | 0,00066 | 0,00017 | 0,00004 | 0,00001 |
|  | **1** | 0,79223 | 0,48179 | 0,25245 | 0,11822 | 0,05011 | 0,01928 | 0,00670 | 0,00209 | 0,00057 | 0,00014 |
|  | **2** | 0,94975 | 0,76180 | 0,51976 | 0,30962 | 0,16370 | 0,07739 | 0,03273 | 0,01232 | 0,00409 | 0,00117 |
|  | **3** | 0,99120 | 0,91736 | 0,75561 | 0,54888 | 0,35302 | 0,20191 | 0,10279 | 0,04642 | 0,01845 | 0,00636 |
|  | **4** | 0,99884 | 0,97786 | 0,90129 | 0,75822 | 0,57389 | 0,38869 | 0,23484 | 0,12600 | 0,05958 | 0,02452 |
|  | **5** | 0,99988 | 0,99533 | 0,96813 | 0,89430 | 0,76531 | 0,59682 | 0,41970 | 0,26393 | 0,14707 | 0,07173 |
|  | **6** | 0,99999 | 0,99922 | 0,99172 | 0,96234 | 0,89292 | 0,77522 | 0,61878 | 0,44784 | 0,29024 | 0,16615 |
|  | **7** | 1,00000 | 0,99989 | 0,99826 | 0,98907 | 0,95976 | 0,89536 | 0,78724 | 0,64051 | 0,47431 | 0,31453 |
|  | **8** | 1,00000 | 0,99999 | 0,99970 | 0,99742 | 0,98762 | 0,95972 | 0,90062 | 0,80106 | 0,66256 | 0,50000 |
|  | **9** | 1,00000 | 1,00000 | 0,99996 | 0,99951 | 0,99690 | 0,98731 | 0,96167 | 0,90810 | 0,81659 | 0,68547 |
|  | **10** | 1,00000 | 1,00000 | 1,00000 | 0,99992 | 0,99937 | 0,99676 | 0,98797 | 0,96519 | 0,91741 | 0,83385 |
|  | **11** | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99990 | 0,99934 | 0,99699 | 0,98941 | 0,96990 | 0,92827 |
|  | **12** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99990 | 0,99941 | 0,99748 | 0,99138 | 0,97548 |
|  | **13** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99991 | 0,99955 | 0,99813 | 0,99364 |
|  | **14** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99994 | 0,99971 | 0,99883 |
|  | **15** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99986 |
|  | **16** | 1,00000 | 1,00000 | 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 | 0,00043 | 0,00010 | 0,00002 | 0,00000 |
|  | **1** | 0,77352 | 0,45028 | 0,22405 | 0,09908 | 0,03946 | 0,01419 | 0,00459 | 0,00132 | 0,00033 | 0,00007 |
|  | **2** | 0,94187 | 0,73380 | 0,47966 | 0,27134 | 0,13531 | 0,05995 | 0,02362 | 0,00823 | 0,00251 | 0,00066 |
|  | **3** | 0,98913 | 0,90180 | 0,72024 | 0,50103 | 0,30569 | 0,16455 | 0,07827 | 0,03278 | 0,01198 | 0,00377 |
|  | **4** | 0,99845 | 0,97181 | 0,87944 | 0,71635 | 0,51867 | 0,33265 | 0,18862 | 0,09417 | 0,04107 | 0,01544 |
|  | **5** | 0,99983 | 0,99358 | 0,95810 | 0,86708 | 0,71745 | 0,53438 | 0,35500 | 0,20876 | 0,10770 | 0,04813 |
|  | **6** | 0,99998 | 0,99883 | 0,98818 | 0,94873 | 0,86102 | 0,72170 | 0,54910 | 0,37428 | 0,22581 | 0,11894 |
|  | **7** | 1,00000 | 0,99983 | 0,99728 | 0,98372 | 0,94305 | 0,85932 | 0,72828 | 0,56344 | 0,39148 | 0,24034 |
|  | **8** | 1,00000 | 0,99998 | 0,99949 | 0,99575 | 0,98065 | 0,94041 | 0,86094 | 0,73684 | 0,57785 | 0,40726 |
|  | **9** | 1,00000 | 1,00000 | 0,99992 | 0,99909 | 0,99458 | 0,97903 | 0,94031 | 0,86529 | 0,74728 | 0,59274 |
|  | **10** | 1,00000 | 1,00000 | 0,99999 | 0,99984 | 0,99876 | 0,99393 | 0,97877 | 0,94235 | 0,87204 | 0,75966 |
|  | **11** | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99977 | 0,99857 | 0,99383 | 0,97972 | 0,94628 | 0,88106 |
|  | **12** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99973 | 0,99856 | 0,99425 | 0,98171 | 0,95187 |
|  | **13** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99996 | 0,99974 | 0,99872 | 0,99509 | 0,98456 |
|  | **14** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99996 | 0,99979 | 0,99900 | 0,99623 |
|  | **15** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99986 | 0,99934 |
|  | **16** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99993 |
|  | **17** | 1,00000 | 1,00000 | 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 | 0,00028 | 0,00006 | 0,00001 | 0,00000 |
|  | **1** | 0,75471 | 0,42026 | 0,19849 | 0,08287 | 0,03101 | 0,01042 | 0,00313 | 0,00083 | 0,00019 | 0,00004 |
|  | **2** | 0,93345 | 0,70544 | 0,44132 | 0,23689 | 0,11134 | 0,04622 | 0,01696 | 0,00546 | 0,00153 | 0,00036 |
|  | **3** | 0,98676 | 0,88500 | 0,68415 | 0,45509 | 0,26309 | 0,13317 | 0,05914 | 0,02296 | 0,00772 | 0,00221 |
|  | **4** | 0,99799 | 0,96481 | 0,85556 | 0,67329 | 0,46542 | 0,28222 | 0,15000 | 0,06961 | 0,02798 | 0,00961 |
|  | **5** | 0,99976 | 0,99141 | 0,94630 | 0,83694 | 0,66776 | 0,47386 | 0,29676 | 0,16292 | 0,07771 | 0,03178 |
|  | **6** | 0,99998 | 0,99830 | 0,98367 | 0,93240 | 0,82512 | 0,66550 | 0,48117 | 0,30807 | 0,17266 | 0,08353 |
|  | **7** | 1,00000 | 0,99973 | 0,99592 | 0,97672 | 0,92254 | 0,81803 | 0,66557 | 0,48778 | 0,31693 | 0,17964 |
|  | **8** | 1,00000 | 0,99996 | 0,99916 | 0,99334 | 0,97125 | 0,91608 | 0,81451 | 0,66748 | 0,49398 | 0,32380 |

**TABELL 6 forts.** Binomial-fördelningen; *n* = 19 (forts.) och 20

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***n*** | ***x*** | ***p* = 0,05** | **0,1** | **0,15** | **0,2** | **0,25** | **0,3** | **0,35** | **0,4** | **0,45** | **0,5** |
| **19** | **9** | 1,00000 | 1,00000 | 0,99986 | 0,99842 | 0,99110 | 0,96745 | 0,91253 | 0,81391 | 0,67104 | 0,50000 |
|  | **10** | 1,00000 | 1,00000 | 0,99998 | 0,99969 | 0,99771 | 0,98946 | 0,96531 | 0,91153 | 0,81590 | 0,67620 |
|  | **11** | 1,00000 | 1,00000 | 1,00000 | 0,99995 | 0,99952 | 0,99718 | 0,98856 | 0,96477 | 0,91287 | 0,82036 |
|  | **12** | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99992 | 0,99938 | 0,99691 | 0,98844 | 0,96577 | 0,91647 |
|  | **13** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99989 | 0,99933 | 0,99693 | 0,98907 | 0,96822 |
|  | **14** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99988 | 0,99936 | 0,99724 | 0,99039 |
|  | **15** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99990 | 0,99947 | 0,99779 |
|  | **16** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99993 | 0,99964 |
|  | **17** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99996 |
|  | **18** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 |
| **20** | **0** | 0,35849 | 0,12158 | 0,03876 | 0,01153 | 0,00317 | 0,00080 | 0,00018 | 0,00004 | 0,00001 | 0,00000 |
|  | **1** | 0,73584 | 0,39175 | 0,17556 | 0,06918 | 0,02431 | 0,00764 | 0,00213 | 0,00052 | 0,00011 | 0,00002 |
|  | **2** | 0,92452 | 0,67693 | 0,40490 | 0,20608 | 0,09126 | 0,03548 | 0,01212 | 0,00361 | 0,00093 | 0,00020 |
|  | **3** | 0,98410 | 0,86705 | 0,64773 | 0,41145 | 0,22516 | 0,10709 | 0,04438 | 0,01596 | 0,00493 | 0,00129 |
|  | **4** | 0,99743 | 0,95683 | 0,82985 | 0,62965 | 0,41484 | 0,23751 | 0,11820 | 0,05095 | 0,01886 | 0,00591 |
|  | **5** | 0,99967 | 0,98875 | 0,93269 | 0,80421 | 0,61717 | 0,41637 | 0,24540 | 0,12560 | 0,05533 | 0,02069 |
|  | **6** | 0,99997 | 0,99761 | 0,97806 | 0,91331 | 0,78578 | 0,60801 | 0,41663 | 0,25001 | 0,12993 | 0,05766 |
|  | **7** | 1,00000 | 0,99958 | 0,99408 | 0,96786 | 0,89819 | 0,77227 | 0,60103 | 0,41589 | 0,25201 | 0,13159 |
|  | **8** | 1,00000 | 0,99994 | 0,99867 | 0,99002 | 0,95907 | 0,88667 | 0,76238 | 0,59560 | 0,41431 | 0,25172 |
|  | **9** | 1,00000 | 0,99999 | 0,99975 | 0,99741 | 0,98614 | 0,95204 | 0,87822 | 0,75534 | 0,59136 | 0,41190 |
|  | **10** | 1,00000 | 1,00000 | 0,99996 | 0,99944 | 0,99606 | 0,98286 | 0,94683 | 0,87248 | 0,75071 | 0,58810 |
|  | **11** | 1,00000 | 1,00000 | 1,00000 | 0,99990 | 0,99906 | 0,99486 | 0,98042 | 0,94347 | 0,86924 | 0,74828 |
|  | **12** | 1,00000 | 1,00000 | 1,00000 | 0,99998 | 0,99982 | 0,99872 | 0,99398 | 0,97897 | 0,94197 | 0,86841 |
|  | **13** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99997 | 0,99974 | 0,99848 | 0,99353 | 0,97859 | 0,94234 |
|  | **14** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99996 | 0,99969 | 0,99839 | 0,99357 | 0,97931 |
|  | **15** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99995 | 0,99968 | 0,99847 | 0,99409 |
|  | **16** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99995 | 0,99972 | 0,99871 |
|  | **17** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99999 | 0,99996 | 0,99980 |
|  | **18** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 0,99998 |
|  | **19** | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 | 1,00000 |