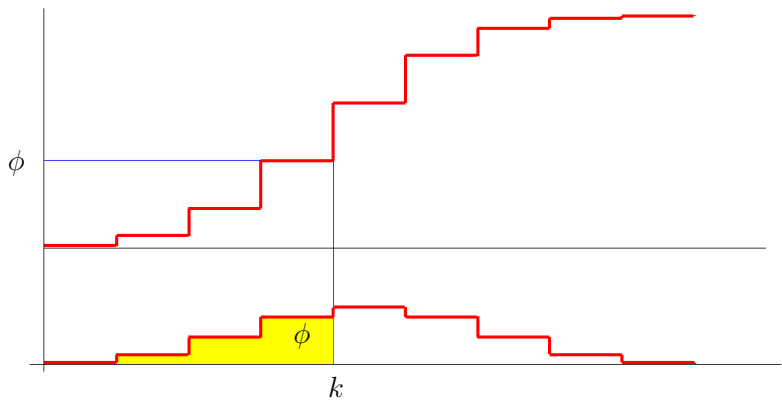


1. *Tavole*

Tabelle  
di alcune  
distribuzioni cumulative binomiali



|     |   |   |   |   |   |     |   |   |   |   |
|-----|---|---|---|---|---|-----|---|---|---|---|
| n=N | + | + | + | + | + | p   | + | + | + | + |
| k   | - | - | - | - | - | phi | - | - | - | - |

$N$  = numero delle prove  
 $k$  = numero dei successi  
 $p$  = probabilità di successo

Tabella della distribuzione cumulativa binomiale per  $n = 3, 4, 5, 6$

[illegible]

Tabella della distribuzione cumulativa binomiale per  $n = 7, 8, 9$

[illegible][illegible][illegible]

Tabella della distribuzione cumulativa binomiale per  $n = 10$

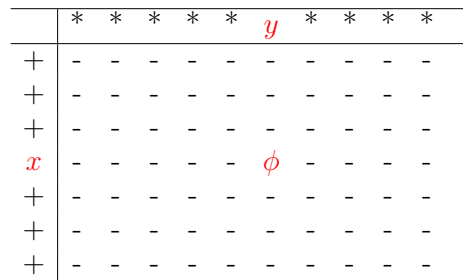
[illegible]

Tabella della distribuzione cumulativa binomiale per  $n = 20$

[illegible]

Tabella della distribuzione cumulativa binomiale per  $n = 30$

[illegible]



## Tabella della distribuzione cumulativa normale





Tabella della inversa distribuzione cumulativa normale

|      | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0    | 0.0000 | 0.0025 | 0.0050 | 0.0075 | 0.0100 | 0.0125 | 0.0150 | 0.0175 | 0.0201 | 0.0226 |
| 0.01 | 0.0251 | 0.0276 | 0.0301 | 0.0326 | 0.0351 | 0.0376 | 0.0401 | 0.0426 | 0.0451 | 0.0476 |
| 0.02 | 0.0502 | 0.0527 | 0.0552 | 0.0577 | 0.0602 | 0.0627 | 0.0652 | 0.0677 | 0.0702 | 0.0728 |
| 0.03 | 0.0753 | 0.0778 | 0.0803 | 0.0828 | 0.0853 | 0.0878 | 0.0904 | 0.0929 | 0.0954 | 0.0979 |
| 0.04 | 0.1004 | 0.1030 | 0.1055 | 0.1080 | 0.1105 | 0.1130 | 0.1156 | 0.1181 | 0.1206 | 0.1231 |
| 0.05 | 0.1257 | 0.1282 | 0.1307 | 0.1332 | 0.1358 | 0.1383 | 0.1408 | 0.1434 | 0.1459 | 0.1484 |
| 0.06 | 0.1510 | 0.1535 | 0.1560 | 0.1586 | 0.1611 | 0.1637 | 0.1662 | 0.1687 | 0.1713 | 0.1738 |
| 0.07 | 0.1764 | 0.1789 | 0.1815 | 0.1840 | 0.1866 | 0.1891 | 0.1917 | 0.1942 | 0.1968 | 0.1993 |
| 0.08 | 0.2019 | 0.2045 | 0.2070 | 0.2096 | 0.2121 | 0.2147 | 0.2173 | 0.2198 | 0.2224 | 0.2250 |
| 0.09 | 0.2275 | 0.2301 | 0.2327 | 0.2353 | 0.2378 | 0.2404 | 0.2430 | 0.2456 | 0.2482 | 0.2508 |
| 0.1  | 0.2533 | 0.2559 | 0.2585 | 0.2611 | 0.2637 | 0.2663 | 0.2689 | 0.2715 | 0.2741 | 0.2767 |
| 0.11 | 0.2793 | 0.2819 | 0.2845 | 0.2871 | 0.2898 | 0.2924 | 0.2950 | 0.2976 | 0.3002 | 0.3029 |
| 0.12 | 0.3055 | 0.3081 | 0.3107 | 0.3134 | 0.3160 | 0.3186 | 0.3213 | 0.3239 | 0.3266 | 0.3292 |
| 0.13 | 0.3319 | 0.3345 | 0.3372 | 0.3398 | 0.3425 | 0.3451 | 0.3478 | 0.3505 | 0.3531 | 0.3558 |
| 0.14 | 0.3585 | 0.3611 | 0.3638 | 0.3665 | 0.3692 | 0.3719 | 0.3745 | 0.3772 | 0.3799 | 0.3826 |
| 0.15 | 0.3853 | 0.3880 | 0.3907 | 0.3934 | 0.3961 | 0.3989 | 0.4016 | 0.4043 | 0.4070 | 0.4097 |
| 0.16 | 0.4125 | 0.4152 | 0.4179 | 0.4207 | 0.4234 | 0.4261 | 0.4289 | 0.4316 | 0.4344 | 0.4372 |
| 0.17 | 0.4399 | 0.4427 | 0.4454 | 0.4482 | 0.4510 | 0.4538 | 0.4565 | 0.4593 | 0.4621 | 0.4649 |
| 0.18 | 0.4677 | 0.4705 | 0.4733 | 0.4761 | 0.4789 | 0.4817 | 0.4845 | 0.4874 | 0.4902 | 0.4930 |
| 0.19 | 0.4958 | 0.4987 | 0.5015 | 0.5044 | 0.5072 | 0.5101 | 0.5129 | 0.5158 | 0.5187 | 0.5215 |
| 0.2  | 0.5244 | 0.5273 | 0.5302 | 0.5330 | 0.5359 | 0.5388 | 0.5417 | 0.5446 | 0.5476 | 0.5505 |
| 0.21 | 0.5534 | 0.5563 | 0.5592 | 0.5622 | 0.5651 | 0.5681 | 0.5710 | 0.5740 | 0.5769 | 0.5799 |
| 0.22 | 0.5828 | 0.5858 | 0.5888 | 0.5918 | 0.5948 | 0.5978 | 0.6008 | 0.6038 | 0.6068 | 0.6098 |
| 0.23 | 0.6128 | 0.6158 | 0.6189 | 0.6219 | 0.6250 | 0.6280 | 0.6311 | 0.6341 | 0.6372 | 0.6403 |
| 0.24 | 0.6433 | 0.6464 | 0.6495 | 0.6526 | 0.6557 | 0.6588 | 0.6620 | 0.6651 | 0.6682 | 0.6713 |
| 0.25 | 0.6745 | 0.6776 | 0.6808 | 0.6840 | 0.6871 | 0.6903 | 0.6935 | 0.6967 | 0.6999 | 0.7031 |
| 0.26 | 0.7063 | 0.7095 | 0.7128 | 0.7160 | 0.7192 | 0.7225 | 0.7257 | 0.7290 | 0.7323 | 0.7356 |
| 0.27 | 0.7388 | 0.7421 | 0.7454 | 0.7488 | 0.7521 | 0.7554 | 0.7588 | 0.7621 | 0.7655 | 0.7688 |
| 0.28 | 0.7722 | 0.7756 | 0.7790 | 0.7824 | 0.7858 | 0.7892 | 0.7926 | 0.7961 | 0.7995 | 0.8030 |
| 0.29 | 0.8064 | 0.8099 | 0.8134 | 0.8169 | 0.8204 | 0.8239 | 0.8274 | 0.8310 | 0.8345 | 0.8381 |

|      | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.3  | 0.8416 | 0.8452 | 0.8488 | 0.8524 | 0.8560 | 0.8596 | 0.8632 | 0.8669 | 0.8706 | 0.8742 |
| 0.31 | 0.8779 | 0.8816 | 0.8853 | 0.8890 | 0.8927 | 0.8965 | 0.9002 | 0.9040 | 0.9078 | 0.9116 |
| 0.32 | 0.9154 | 0.9192 | 0.9230 | 0.9269 | 0.9307 | 0.9346 | 0.9385 | 0.9424 | 0.9463 | 0.9502 |
| 0.33 | 0.9542 | 0.9581 | 0.9621 | 0.9661 | 0.9701 | 0.9741 | 0.9782 | 0.9822 | 0.9863 | 0.9904 |
| 0.34 | 0.9945 | 0.9986 | 1.0027 | 1.0069 | 1.0110 | 1.0152 | 1.0194 | 1.0237 | 1.0279 | 1.0322 |
| 0.35 | 1.0364 | 1.0407 | 1.0451 | 1.0494 | 1.0537 | 1.0581 | 1.0625 | 1.0669 | 1.0714 | 1.0758 |
| 0.36 | 1.0803 | 1.0848 | 1.0893 | 1.0939 | 1.0985 | 1.1031 | 1.1077 | 1.1123 | 1.1170 | 1.1217 |
| 0.37 | 1.1264 | 1.1311 | 1.1359 | 1.1407 | 1.1455 | 1.1503 | 1.1552 | 1.1601 | 1.1650 | 1.1700 |
| 0.38 | 1.1750 | 1.1800 | 1.1850 | 1.1901 | 1.1952 | 1.2004 | 1.2055 | 1.2107 | 1.2160 | 1.2212 |
| 0.39 | 1.2265 | 1.2319 | 1.2372 | 1.2426 | 1.2481 | 1.2536 | 1.2591 | 1.2646 | 1.2702 | 1.2759 |
| 0.4  | 1.2816 | 1.2873 | 1.2930 | 1.2988 | 1.3047 | 1.3106 | 1.3165 | 1.3225 | 1.3285 | 1.3346 |
| 0.41 | 1.3408 | 1.3469 | 1.3532 | 1.3595 | 1.3658 | 1.3722 | 1.3787 | 1.3852 | 1.3917 | 1.3984 |
| 0.42 | 1.4051 | 1.4118 | 1.4187 | 1.4255 | 1.4325 | 1.4395 | 1.4466 | 1.4538 | 1.4611 | 1.4684 |
| 0.43 | 1.4758 | 1.4833 | 1.4909 | 1.4985 | 1.5063 | 1.5141 | 1.5220 | 1.5301 | 1.5382 | 1.5464 |
| 0.44 | 1.5548 | 1.5632 | 1.5718 | 1.5805 | 1.5893 | 1.5982 | 1.6072 | 1.6164 | 1.6258 | 1.6352 |
| 0.45 | 1.6449 | 1.6546 | 1.6646 | 1.6747 | 1.6849 | 1.6954 | 1.7060 | 1.7169 | 1.7279 | 1.7392 |
| 0.46 | 1.7507 | 1.7624 | 1.7744 | 1.7866 | 1.7991 | 1.8119 | 1.8250 | 1.8384 | 1.8522 | 1.8663 |
| 0.47 | 1.8808 | 1.8957 | 1.9110 | 1.9268 | 1.9431 | 1.9600 | 1.9774 | 1.9954 | 2.0141 | 2.0335 |
| 0.48 | 2.0537 | 2.0748 | 2.0969 | 2.1201 | 2.1444 | 2.1701 | 2.1973 | 2.2262 | 2.2571 | 2.2904 |
| 0.49 | 2.3263 | 2.3656 | 2.4089 | 2.4573 | 2.5121 | 2.5758 | 2.6521 | 2.7478 | 2.8782 | 3.0902 |



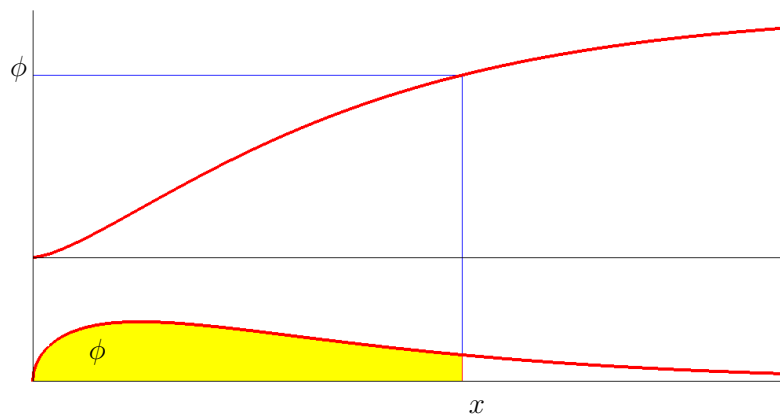
Tabella della distribuzione normale cumulativa inversa (code)

|       | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.4   | 1.2816 | 1.2821 | 1.2827 | 1.2833 | 1.2838 | 1.2844 | 1.2850 | 1.2856 | 1.2861 | 1.2867 |
| 0.401 | 1.2873 | 1.2878 | 1.2884 | 1.2890 | 1.2896 | 1.2901 | 1.2907 | 1.2913 | 1.2919 | 1.2925 |
| 0.402 | 1.2930 | 1.2936 | 1.2942 | 1.2948 | 1.2953 | 1.2959 | 1.2965 | 1.2971 | 1.2977 | 1.2983 |
| 0.403 | 1.2988 | 1.2994 | 1.3000 | 1.3006 | 1.3012 | 1.3018 | 1.3023 | 1.3029 | 1.3035 | 1.3041 |
| 0.404 | 1.3047 | 1.3053 | 1.3059 | 1.3064 | 1.3070 | 1.3076 | 1.3082 | 1.3088 | 1.3094 | 1.3100 |
| 0.405 | 1.3106 | 1.3112 | 1.3118 | 1.3124 | 1.3130 | 1.3135 | 1.3141 | 1.3147 | 1.3153 | 1.3159 |
| 0.406 | 1.3165 | 1.3171 | 1.3177 | 1.3183 | 1.3189 | 1.3195 | 1.3201 | 1.3207 | 1.3213 | 1.3219 |
| 0.407 | 1.3225 | 1.3231 | 1.3237 | 1.3243 | 1.3249 | 1.3255 | 1.3261 | 1.3267 | 1.3273 | 1.3279 |
| 0.408 | 1.3285 | 1.3291 | 1.3298 | 1.3304 | 1.3310 | 1.3316 | 1.3322 | 1.3328 | 1.3334 | 1.3340 |
| 0.409 | 1.3346 | 1.3352 | 1.3358 | 1.3365 | 1.3371 | 1.3377 | 1.3383 | 1.3389 | 1.3395 | 1.3401 |
| 0.41  | 1.3408 | 1.3414 | 1.3420 | 1.3426 | 1.3432 | 1.3438 | 1.3445 | 1.3451 | 1.3457 | 1.3463 |
| 0.411 | 1.3469 | 1.3476 | 1.3482 | 1.3488 | 1.3494 | 1.3500 | 1.3507 | 1.3513 | 1.3519 | 1.3525 |
| 0.412 | 1.3532 | 1.3538 | 1.3544 | 1.3551 | 1.3557 | 1.3563 | 1.3569 | 1.3576 | 1.3582 | 1.3588 |
| 0.413 | 1.3595 | 1.3601 | 1.3607 | 1.3614 | 1.3620 | 1.3626 | 1.3633 | 1.3639 | 1.3645 | 1.3652 |
| 0.414 | 1.3658 | 1.3664 | 1.3671 | 1.3677 | 1.3684 | 1.3690 | 1.3696 | 1.3703 | 1.3709 | 1.3716 |
| 0.415 | 1.3722 | 1.3728 | 1.3735 | 1.3741 | 1.3748 | 1.3754 | 1.3761 | 1.3767 | 1.3774 | 1.3780 |
| 0.416 | 1.3787 | 1.3793 | 1.3800 | 1.3806 | 1.3813 | 1.3819 | 1.3826 | 1.3832 | 1.3839 | 1.3845 |
| 0.417 | 1.3852 | 1.3858 | 1.3865 | 1.3871 | 1.3878 | 1.3885 | 1.3891 | 1.3898 | 1.3904 | 1.3911 |
| 0.418 | 1.3917 | 1.3924 | 1.3931 | 1.3937 | 1.3944 | 1.3951 | 1.3957 | 1.3964 | 1.3970 | 1.3977 |
| 0.419 | 1.3984 | 1.3990 | 1.3997 | 1.4004 | 1.4010 | 1.4017 | 1.4024 | 1.4031 | 1.4037 | 1.4044 |
| 0.42  | 1.4051 | 1.4057 | 1.4064 | 1.4071 | 1.4078 | 1.4084 | 1.4091 | 1.4098 | 1.4105 | 1.4112 |
| 0.421 | 1.4118 | 1.4125 | 1.4132 | 1.4139 | 1.4146 | 1.4152 | 1.4159 | 1.4166 | 1.4173 | 1.4180 |
| 0.422 | 1.4187 | 1.4193 | 1.4200 | 1.4207 | 1.4214 | 1.4221 | 1.4228 | 1.4235 | 1.4242 | 1.4249 |
| 0.423 | 1.4255 | 1.4262 | 1.4269 | 1.4276 | 1.4283 | 1.4290 | 1.4297 | 1.4304 | 1.4311 | 1.4318 |
| 0.424 | 1.4325 | 1.4332 | 1.4339 | 1.4346 | 1.4353 | 1.4360 | 1.4367 | 1.4374 | 1.4381 | 1.4388 |
| 0.425 | 1.4395 | 1.4402 | 1.4409 | 1.4417 | 1.4424 | 1.4431 | 1.4438 | 1.4445 | 1.4452 | 1.4459 |
| 0.426 | 1.4466 | 1.4473 | 1.4481 | 1.4488 | 1.4495 | 1.4502 | 1.4509 | 1.4516 | 1.4524 | 1.4531 |
| 0.427 | 1.4538 | 1.4545 | 1.4553 | 1.4560 | 1.4567 | 1.4574 | 1.4581 | 1.4589 | 1.4596 | 1.4603 |
| 0.428 | 1.4611 | 1.4618 | 1.4625 | 1.4632 | 1.4640 | 1.4647 | 1.4654 | 1.4662 | 1.4669 | 1.4676 |
| 0.429 | 1.4684 | 1.4691 | 1.4699 | 1.4706 | 1.4713 | 1.4721 | 1.4728 | 1.4736 | 1.4743 | 1.4750 |
| 0.43  | 1.4758 | 1.4765 | 1.4773 | 1.4780 | 1.4788 | 1.4795 | 1.4803 | 1.4810 | 1.4818 | 1.4825 |
| 0.431 | 1.4833 | 1.4840 | 1.4848 | 1.4855 | 1.4863 | 1.4871 | 1.4878 | 1.4886 | 1.4893 | 1.4901 |
| 0.432 | 1.4909 | 1.4916 | 1.4924 | 1.4931 | 1.4939 | 1.4947 | 1.4954 | 1.4962 | 1.4970 | 1.4977 |
| 0.433 | 1.4985 | 1.4993 | 1.5001 | 1.5008 | 1.5016 | 1.5024 | 1.5032 | 1.5039 | 1.5047 | 1.5055 |

|       | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.434 | 1.5063 | 1.5070 | 1.5078 | 1.5086 | 1.5094 | 1.5102 | 1.5110 | 1.5117 | 1.5125 | 1.5133 |
| 0.435 | 1.5141 | 1.5149 | 1.5157 | 1.5165 | 1.5173 | 1.5181 | 1.5189 | 1.5196 | 1.5204 | 1.5212 |
| 0.436 | 1.5220 | 1.5228 | 1.5236 | 1.5244 | 1.5252 | 1.5260 | 1.5268 | 1.5276 | 1.5285 | 1.5293 |
| 0.437 | 1.5301 | 1.5309 | 1.5317 | 1.5325 | 1.5333 | 1.5341 | 1.5349 | 1.5358 | 1.5366 | 1.5374 |
| 0.438 | 1.5382 | 1.5390 | 1.5398 | 1.5407 | 1.5415 | 1.5423 | 1.5431 | 1.5440 | 1.5448 | 1.5456 |
| 0.439 | 1.5464 | 1.5473 | 1.5481 | 1.5489 | 1.5498 | 1.5506 | 1.5514 | 1.5523 | 1.5531 | 1.5539 |
| 0.44  | 1.5548 | 1.5556 | 1.5565 | 1.5573 | 1.5581 | 1.5590 | 1.5598 | 1.5607 | 1.5615 | 1.5624 |
| 0.441 | 1.5632 | 1.5641 | 1.5649 | 1.5658 | 1.5666 | 1.5675 | 1.5683 | 1.5692 | 1.5701 | 1.5709 |
| 0.442 | 1.5718 | 1.5726 | 1.5735 | 1.5744 | 1.5752 | 1.5761 | 1.5770 | 1.5779 | 1.5787 | 1.5796 |
| 0.443 | 1.5805 | 1.5813 | 1.5822 | 1.5831 | 1.5840 | 1.5849 | 1.5857 | 1.5866 | 1.5875 | 1.5884 |
| 0.444 | 1.5893 | 1.5902 | 1.5910 | 1.5919 | 1.5928 | 1.5937 | 1.5946 | 1.5955 | 1.5964 | 1.5973 |
| 0.445 | 1.5982 | 1.5991 | 1.6000 | 1.6009 | 1.6018 | 1.6027 | 1.6036 | 1.6045 | 1.6054 | 1.6063 |
| 0.446 | 1.6072 | 1.6082 | 1.6091 | 1.6100 | 1.6109 | 1.6118 | 1.6127 | 1.6137 | 1.6146 | 1.6155 |
| 0.447 | 1.6164 | 1.6174 | 1.6183 | 1.6192 | 1.6202 | 1.6211 | 1.6220 | 1.6229 | 1.6239 | 1.6248 |
| 0.448 | 1.6258 | 1.6267 | 1.6276 | 1.6286 | 1.6295 | 1.6305 | 1.6314 | 1.6324 | 1.6333 | 1.6343 |
| 0.449 | 1.6352 | 1.6362 | 1.6371 | 1.6381 | 1.6391 | 1.6400 | 1.6410 | 1.6420 | 1.6429 | 1.6439 |
| 0.45  | 1.6449 | 1.6458 | 1.6468 | 1.6478 | 1.6487 | 1.6497 | 1.6507 | 1.6517 | 1.6527 | 1.6536 |
| 0.451 | 1.6546 | 1.6556 | 1.6566 | 1.6576 | 1.6586 | 1.6596 | 1.6606 | 1.6616 | 1.6626 | 1.6636 |
| 0.452 | 1.6646 | 1.6656 | 1.6666 | 1.6676 | 1.6686 | 1.6696 | 1.6706 | 1.6716 | 1.6726 | 1.6736 |
| 0.453 | 1.6747 | 1.6757 | 1.6767 | 1.6777 | 1.6788 | 1.6798 | 1.6808 | 1.6818 | 1.6829 | 1.6839 |
| 0.454 | 1.6849 | 1.6860 | 1.6870 | 1.6881 | 1.6891 | 1.6901 | 1.6912 | 1.6922 | 1.6933 | 1.6943 |
| 0.455 | 1.6954 | 1.6965 | 1.6975 | 1.6986 | 1.6996 | 1.7007 | 1.7018 | 1.7028 | 1.7039 | 1.7050 |
| 0.456 | 1.7060 | 1.7071 | 1.7082 | 1.7093 | 1.7104 | 1.7114 | 1.7125 | 1.7136 | 1.7147 | 1.7158 |
| 0.457 | 1.7169 | 1.7180 | 1.7191 | 1.7202 | 1.7213 | 1.7224 | 1.7235 | 1.7246 | 1.7257 | 1.7268 |
| 0.458 | 1.7279 | 1.7290 | 1.7302 | 1.7313 | 1.7324 | 1.7335 | 1.7347 | 1.7358 | 1.7369 | 1.7381 |
| 0.459 | 1.7392 | 1.7403 | 1.7415 | 1.7426 | 1.7438 | 1.7449 | 1.7461 | 1.7472 | 1.7484 | 1.7495 |
| 0.46  | 1.7507 | 1.7519 | 1.7530 | 1.7542 | 1.7553 | 1.7565 | 1.7577 | 1.7589 | 1.7600 | 1.7612 |
| 0.461 | 1.7624 | 1.7636 | 1.7648 | 1.7660 | 1.7672 | 1.7684 | 1.7696 | 1.7708 | 1.7720 | 1.7732 |
| 0.462 | 1.7744 | 1.7756 | 1.7768 | 1.7780 | 1.7792 | 1.7805 | 1.7817 | 1.7829 | 1.7841 | 1.7854 |
| 0.463 | 1.7866 | 1.7878 | 1.7891 | 1.7903 | 1.7916 | 1.7928 | 1.7941 | 1.7953 | 1.7966 | 1.7979 |
| 0.464 | 1.7991 | 1.8004 | 1.8017 | 1.8029 | 1.8042 | 1.8055 | 1.8068 | 1.8080 | 1.8093 | 1.8106 |
| 0.465 | 1.8119 | 1.8132 | 1.8145 | 1.8158 | 1.8171 | 1.8184 | 1.8197 | 1.8210 | 1.8224 | 1.8237 |

|       | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.466 | 1.8250 | 1.8263 | 1.8277 | 1.8290 | 1.8303 | 1.8317 | 1.8330 | 1.8344 | 1.8357 | 1.8371 |
| 0.467 | 1.8384 | 1.8398 | 1.8411 | 1.8425 | 1.8439 | 1.8453 | 1.8466 | 1.8480 | 1.8494 | 1.8508 |
| 0.468 | 1.8522 | 1.8536 | 1.8550 | 1.8564 | 1.8578 | 1.8592 | 1.8606 | 1.8620 | 1.8634 | 1.8649 |
| 0.469 | 1.8663 | 1.8677 | 1.8692 | 1.8706 | 1.8720 | 1.8735 | 1.8749 | 1.8764 | 1.8779 | 1.8793 |
| 0.47  | 1.8808 | 1.8823 | 1.8837 | 1.8852 | 1.8867 | 1.8882 | 1.8897 | 1.8912 | 1.8927 | 1.8942 |
| 0.471 | 1.8957 | 1.8972 | 1.8987 | 1.9003 | 1.9018 | 1.9033 | 1.9048 | 1.9064 | 1.9079 | 1.9095 |
| 0.472 | 1.9110 | 1.9126 | 1.9142 | 1.9157 | 1.9173 | 1.9189 | 1.9205 | 1.9220 | 1.9236 | 1.9252 |
| 0.473 | 1.9268 | 1.9284 | 1.9301 | 1.9317 | 1.9333 | 1.9349 | 1.9366 | 1.9382 | 1.9398 | 1.9415 |
| 0.474 | 1.9431 | 1.9448 | 1.9465 | 1.9481 | 1.9498 | 1.9515 | 1.9532 | 1.9549 | 1.9566 | 1.9583 |
| 0.475 | 1.9600 | 1.9617 | 1.9634 | 1.9651 | 1.9669 | 1.9686 | 1.9703 | 1.9721 | 1.9738 | 1.9756 |
| 0.476 | 1.9774 | 1.9791 | 1.9809 | 1.9827 | 1.9845 | 1.9863 | 1.9881 | 1.9899 | 1.9917 | 1.9936 |
| 0.477 | 1.9954 | 1.9972 | 1.9991 | 2.0009 | 2.0028 | 2.0047 | 2.0065 | 2.0084 | 2.0103 | 2.0122 |
| 0.478 | 2.0141 | 2.0160 | 2.0179 | 2.0198 | 2.0218 | 2.0237 | 2.0257 | 2.0276 | 2.0296 | 2.0315 |
| 0.479 | 2.0335 | 2.0355 | 2.0375 | 2.0395 | 2.0415 | 2.0435 | 2.0456 | 2.0476 | 2.0496 | 2.0517 |
| 0.48  | 2.0537 | 2.0558 | 2.0579 | 2.0600 | 2.0621 | 2.0642 | 2.0663 | 2.0684 | 2.0706 | 2.0727 |
| 0.481 | 2.0748 | 2.0770 | 2.0792 | 2.0814 | 2.0836 | 2.0858 | 2.0880 | 2.0902 | 2.0924 | 2.0947 |
| 0.482 | 2.0969 | 2.0992 | 2.1015 | 2.1038 | 2.1060 | 2.1084 | 2.1107 | 2.1130 | 2.1153 | 2.1177 |
| 0.483 | 2.1201 | 2.1225 | 2.1248 | 2.1272 | 2.1297 | 2.1321 | 2.1345 | 2.1370 | 2.1394 | 2.1419 |
| 0.484 | 2.1444 | 2.1469 | 2.1494 | 2.1520 | 2.1545 | 2.1571 | 2.1596 | 2.1622 | 2.1648 | 2.1675 |
| 0.485 | 2.1701 | 2.1727 | 2.1754 | 2.1781 | 2.1808 | 2.1835 | 2.1862 | 2.1890 | 2.1917 | 2.1945 |
| 0.486 | 2.1973 | 2.2001 | 2.2029 | 2.2058 | 2.2086 | 2.2115 | 2.2144 | 2.2173 | 2.2203 | 2.2232 |
| 0.487 | 2.2262 | 2.2292 | 2.2322 | 2.2353 | 2.2383 | 2.2414 | 2.2445 | 2.2476 | 2.2508 | 2.2539 |
| 0.488 | 2.2571 | 2.2603 | 2.2636 | 2.2668 | 2.2701 | 2.2734 | 2.2768 | 2.2801 | 2.2835 | 2.2869 |
| 0.489 | 2.2904 | 2.2938 | 2.2973 | 2.3009 | 2.3044 | 2.3080 | 2.3116 | 2.3152 | 2.3189 | 2.3226 |
| 0.49  | 2.3263 | 2.3301 | 2.3339 | 2.3377 | 2.3416 | 2.3455 | 2.3495 | 2.3534 | 2.3575 | 2.3615 |
| 0.491 | 2.3656 | 2.3697 | 2.3739 | 2.3781 | 2.3824 | 2.3867 | 2.3911 | 2.3954 | 2.3999 | 2.4044 |
| 0.492 | 2.4089 | 2.4135 | 2.4181 | 2.4228 | 2.4276 | 2.4324 | 2.4372 | 2.4421 | 2.4471 | 2.4522 |
| 0.493 | 2.4573 | 2.4624 | 2.4677 | 2.4730 | 2.4783 | 2.4838 | 2.4893 | 2.4949 | 2.5006 | 2.5063 |
| 0.494 | 2.5121 | 2.5181 | 2.5241 | 2.5302 | 2.5364 | 2.5427 | 2.5491 | 2.5556 | 2.5622 | 2.5690 |
| 0.495 | 2.5758 | 2.5828 | 2.5899 | 2.5972 | 2.6045 | 2.6121 | 2.6197 | 2.6276 | 2.6356 | 2.6437 |
| 0.496 | 2.6521 | 2.6606 | 2.6693 | 2.6783 | 2.6874 | 2.6968 | 2.7065 | 2.7164 | 2.7266 | 2.7370 |
| 0.497 | 2.7478 | 2.7589 | 2.7703 | 2.7822 | 2.7944 | 2.8071 | 2.8202 | 2.8338 | 2.8480 | 2.8627 |
| 0.498 | 2.8782 | 2.8943 | 2.9113 | 2.9290 | 2.9479 | 2.9677 | 2.9889 | 3.0115 | 3.0357 | 3.0619 |
| 0.499 | 3.0902 | 3.1214 | 3.1560 | 3.1947 | 3.2390 | 3.2905 | 3.3528 | 3.4319 | 3.5402 | 3.7195 |

Tabella  
della  
distribuzione cumulativa  $\chi^2$  inversa



|   |   |   |   |   |   |        |   |   |   |   |
|---|---|---|---|---|---|--------|---|---|---|---|
|   | + | + | + | + | + | $\phi$ | + | + | + | + |
| d | - | - | - | - | - | x      | - | - | - | - |

$d$  = gradi di libertà

Tabella della distribuzione  $\chi^2$  inversa

| 0.005 | 0.01  | 0.025 | 0.05  | 0.1   | 0.25  | 0.5   | 0.75  | 0.9   | 0.95  | 0.975 | 0.99   | 0.995  | 0.999  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0.00  | 0.00  | 0.00  | 0.00  | 0.02  | 0.10  | 0.45  | 1.32  | 2.71  | 3.84  | 5.02  | 6.63   | 7.88   | 10.83  |
| 0.01  | 0.02  | 0.05  | 0.10  | 0.21  | 0.58  | 1.39  | 2.77  | 4.61  | 5.99  | 7.38  | 9.21   | 10.60  | 13.82  |
| 0.07  | 0.11  | 0.22  | 0.35  | 0.58  | 1.21  | 2.37  | 4.11  | 6.25  | 7.81  | 9.35  | 11.34  | 12.84  | 16.27  |
| 0.21  | 0.30  | 0.48  | 0.71  | 1.06  | 1.92  | 3.36  | 5.39  | 7.78  | 9.49  | 11.14 | 13.28  | 14.86  | 18.47  |
| 0.41  | 0.55  | 0.83  | 1.15  | 1.61  | 2.67  | 4.35  | 6.63  | 9.24  | 11.07 | 12.83 | 15.09  | 16.75  | 20.51  |
| 0.68  | 0.87  | 1.24  | 1.64  | 2.20  | 3.45  | 5.35  | 7.84  | 10.64 | 12.59 | 14.45 | 16.81  | 18.55  | 22.46  |
| 0.99  | 1.24  | 1.69  | 2.17  | 2.83  | 4.25  | 6.35  | 9.04  | 12.02 | 14.07 | 16.01 | 18.48  | 20.28  | 24.32  |
| 1.34  | 1.65  | 2.18  | 2.73  | 3.49  | 5.07  | 7.34  | 10.22 | 13.36 | 15.51 | 17.53 | 20.09  | 21.95  | 26.12  |
| 1.73  | 2.09  | 2.70  | 3.33  | 4.17  | 5.90  | 8.34  | 11.39 | 14.68 | 16.92 | 19.02 | 21.67  | 23.59  | 27.88  |
| 2.16  | 2.56  | 3.25  | 3.94  | 4.87  | 6.74  | 9.34  | 12.55 | 15.99 | 18.31 | 20.48 | 23.21  | 25.19  | 29.59  |
| 2.60  | 3.05  | 3.82  | 4.57  | 5.58  | 7.58  | 10.34 | 13.70 | 17.28 | 19.68 | 21.92 | 24.73  | 26.76  | 31.26  |
| 3.07  | 3.57  | 4.40  | 5.23  | 6.30  | 8.44  | 11.34 | 14.85 | 18.55 | 21.03 | 23.34 | 26.22  | 28.30  | 32.91  |
| 3.57  | 4.11  | 5.01  | 5.89  | 7.04  | 9.30  | 12.34 | 15.98 | 19.81 | 22.36 | 24.74 | 27.69  | 29.82  | 34.53  |
| 4.07  | 4.66  | 5.63  | 6.57  | 7.79  | 10.17 | 13.34 | 17.12 | 21.06 | 23.68 | 26.12 | 29.14  | 31.32  | 36.12  |
| 4.60  | 5.23  | 6.26  | 7.26  | 8.55  | 11.04 | 14.34 | 18.25 | 22.31 | 25.00 | 27.49 | 30.58  | 32.80  | 37.70  |
| 5.14  | 5.81  | 6.91  | 7.96  | 9.31  | 11.91 | 15.34 | 19.37 | 23.54 | 26.30 | 28.85 | 32.00  | 34.27  | 39.25  |
| 5.70  | 6.41  | 7.56  | 8.67  | 10.09 | 12.79 | 16.34 | 20.49 | 24.77 | 27.59 | 30.19 | 33.41  | 35.72  | 40.79  |
| 6.26  | 7.01  | 8.23  | 9.39  | 10.86 | 13.68 | 17.34 | 21.60 | 25.99 | 28.87 | 31.53 | 34.81  | 37.16  | 42.31  |
| 6.84  | 7.63  | 8.91  | 10.12 | 11.65 | 14.56 | 18.34 | 22.72 | 27.20 | 30.14 | 32.85 | 36.19  | 38.58  | 43.82  |
| 7.43  | 8.26  | 9.59  | 10.85 | 12.44 | 15.45 | 19.34 | 23.83 | 28.41 | 31.41 | 34.17 | 37.57  | 40.00  | 45.31  |
| 8.03  | 8.90  | 10.28 | 11.59 | 13.24 | 16.34 | 20.34 | 24.93 | 29.62 | 32.67 | 35.48 | 38.93  | 41.40  | 46.80  |
| 8.64  | 9.54  | 10.98 | 12.34 | 14.04 | 17.24 | 21.34 | 26.04 | 30.81 | 33.92 | 36.78 | 40.29  | 42.80  | 48.27  |
| 9.26  | 10.20 | 11.69 | 13.09 | 14.85 | 18.14 | 22.34 | 27.14 | 32.01 | 35.17 | 38.08 | 41.64  | 44.18  | 49.73  |
| 9.89  | 10.86 | 12.40 | 13.85 | 15.66 | 19.04 | 23.34 | 28.24 | 33.20 | 36.42 | 39.36 | 42.98  | 45.56  | 51.18  |
| 10.52 | 11.52 | 13.12 | 14.61 | 16.47 | 19.94 | 24.34 | 29.34 | 34.38 | 37.65 | 40.65 | 44.31  | 46.93  | 52.62  |
| 11.16 | 12.20 | 13.84 | 15.38 | 17.29 | 20.84 | 25.34 | 30.43 | 35.56 | 38.89 | 41.92 | 45.64  | 48.29  | 54.05  |
| 11.81 | 12.88 | 14.57 | 16.15 | 18.11 | 21.75 | 26.34 | 31.53 | 36.74 | 40.11 | 43.19 | 46.96  | 49.65  | 55.48  |
| 12.46 | 13.56 | 15.31 | 16.93 | 18.94 | 22.66 | 27.34 | 32.62 | 37.92 | 41.34 | 44.46 | 48.28  | 50.99  | 56.89  |
| 13.12 | 14.26 | 16.05 | 17.71 | 19.77 | 23.57 | 28.34 | 33.71 | 39.09 | 42.56 | 45.72 | 49.59  | 52.34  | 58.30  |
| 13.79 | 14.95 | 16.79 | 18.49 | 20.60 | 24.48 | 29.34 | 34.80 | 40.26 | 43.77 | 46.98 | 50.89  | 53.67  | 59.70  |
| 14.46 | 15.66 | 17.54 | 19.28 | 21.43 | 25.39 | 30.34 | 35.89 | 41.42 | 44.99 | 48.23 | 52.19  | 55.00  | 61.10  |
| 15.13 | 16.36 | 18.29 | 20.07 | 22.27 | 26.30 | 31.34 | 36.97 | 42.58 | 46.19 | 49.48 | 53.49  | 56.33  | 62.49  |
| 15.82 | 17.07 | 19.05 | 20.87 | 23.11 | 27.22 | 32.34 | 38.06 | 43.75 | 47.40 | 50.73 | 54.78  | 57.65  | 63.87  |
| 16.50 | 17.79 | 19.81 | 21.66 | 23.95 | 28.14 | 33.34 | 39.14 | 44.90 | 48.60 | 51.97 | 56.06  | 58.96  | 65.25  |
| 17.19 | 18.51 | 20.57 | 22.47 | 24.80 | 29.05 | 34.34 | 40.22 | 46.06 | 49.80 | 53.20 | 57.34  | 60.27  | 66.62  |
| 0.005 | 0.01  | 0.025 | 0.05  | 0.1   | 0.25  | 0.5   | 0.75  | 0.9   | 0.95  | 0.975 | 0.99   | 0.995  | 0.999  |
| 17.89 | 19.23 | 21.34 | 23.27 | 25.64 | 29.97 | 35.34 | 41.30 | 47.21 | 51.00 | 54.44 | 58.62  | 61.58  | 67.98  |
| 18.59 | 19.96 | 22.11 | 24.07 | 26.49 | 30.89 | 36.34 | 42.38 | 48.36 | 52.19 | 55.67 | 59.89  | 62.88  | 69.35  |
| 19.29 | 20.69 | 22.88 | 24.88 | 27.34 | 31.81 | 37.34 | 43.46 | 49.51 | 53.38 | 56.90 | 61.16  | 64.18  | 70.70  |
| 20.00 | 21.43 | 23.65 | 25.70 | 28.20 | 32.74 | 38.34 | 44.54 | 50.66 | 54.57 | 58.12 | 62.43  | 65.48  | 72.06  |
| 20.71 | 22.16 | 24.43 | 26.51 | 29.05 | 33.66 | 39.34 | 45.62 | 51.81 | 55.76 | 59.34 | 63.69  | 66.77  | 73.40  |
| 21.42 | 22.91 | 25.21 | 27.33 | 29.91 | 34.58 | 40.34 | 46.69 | 52.95 | 56.94 | 60.56 | 64.95  | 68.05  | 74.74  |
| 22.14 | 23.65 | 26.00 | 28.14 | 30.77 | 35.51 | 41.34 | 47.77 | 54.09 | 58.12 | 61.78 | 66.21  | 69.34  | 76.08  |
| 22.86 | 24.40 | 26.79 | 28.96 | 31.63 | 36.44 | 42.34 | 48.84 | 55.23 | 59.30 | 62.99 | 67.46  | 70.62  | 77.42  |
| 23.58 | 25.15 | 27.57 | 29.79 | 32.49 | 37.36 | 43.34 | 49.91 | 56.37 | 60.48 | 64.20 | 68.71  | 71.89  | 78.75  |
| 24.31 | 25.90 | 28.37 | 30.61 | 33.35 | 38.29 | 44.34 | 50.98 | 57.51 | 61.66 | 65.41 | 69.96  | 73.17  | 80.08  |
| 25.04 | 26.66 | 29.16 | 31.44 | 34.22 | 39.22 | 45.34 | 52.06 | 58.64 | 62.83 | 66.62 | 71.20  | 74.44  | 81.40  |
| 25.77 | 27.42 | 29.96 | 32.27 | 35.08 | 40.15 | 46.34 | 53.13 | 59.77 | 64.00 | 67.82 | 72.44  | 75.70  | 82.72  |
| 26.51 | 28.18 | 30.75 | 33.10 | 35.95 | 41.08 | 47.34 | 54.20 | 60.91 | 65.17 | 69.02 | 73.68  | 76.97  | 84.04  |
| 27.25 | 28.94 | 31.55 | 33.93 | 36.82 | 42.01 | 48.33 | 55.27 | 62.04 | 66.34 | 70.22 | 74.92  | 78.23  | 85.35  |
| 27.99 | 29.71 | 32.36 | 34.76 | 37.69 | 42.94 | 49.33 | 56.33 | 63.17 | 67.50 | 71.42 | 76.15  | 79.49  | 86.66  |
| 28.73 | 30.48 | 33.16 | 35.60 | 38.56 | 43.87 | 50.33 | 57.40 | 64.30 | 68.67 | 72.62 | 77.39  | 80.75  | 87.97  |
| 29.48 | 31.25 | 33.97 | 36.44 | 39.43 | 44.81 | 51.33 | 58.47 | 65.42 | 69.83 | 73.81 | 78.62  | 82.00  | 89.27  |
| 30.23 | 32.02 | 34.78 | 37.28 | 40.31 | 45.74 | 52.33 | 59.53 | 66.55 | 70.99 | 75.00 | 79.84  | 83.25  | 90.57  |
| 30.98 | 32.79 | 35.59 | 38.12 | 41.18 | 46.68 | 53.33 | 60.60 | 67.67 | 72.15 | 76.19 | 81.07  | 84.50  | 91.87  |
| 31.73 | 33.57 | 36.40 | 38.96 | 42.06 | 47.61 | 54.33 | 61.67 | 68.80 | 73.31 | 77.38 | 82.29  | 85.75  | 93.17  |
| 32.49 | 34.35 | 37.21 | 39.80 | 42.94 | 48.55 | 55.33 | 62.73 | 69.92 | 74.47 | 78.57 | 83.51  | 86.99  | 94.46  |
| 33.25 | 35.13 | 38.03 | 40.65 | 43.82 | 49.48 | 56.33 | 63.79 | 71.04 | 75.62 | 79.75 | 84.73  | 88.24  | 95.75  |
| 34.01 | 35.91 | 38.84 | 41.49 | 44.70 | 50.42 | 57.33 | 64.86 | 72.16 | 76.78 | 80.94 | 85.95  | 89.48  | 97.04  |
| 34.77 | 36.70 | 39.66 | 42.34 | 45.58 | 51.36 | 58.33 | 65.92 | 73.28 | 77.93 | 82.12 | 87.17  | 90.72  | 98.32  |
| 35.53 | 37.48 | 40.48 | 43.19 | 46.46 | 52.29 | 59.33 | 66.98 | 74.40 | 79.08 | 83.30 | 88.38  | 91.95  | 99.61  |
| 36.30 | 38.27 | 41.30 | 44.04 | 47.34 | 53.23 | 60.33 | 68.04 | 75.51 | 80.23 | 84.48 | 89.59  | 93.19  | 100.89 |
| 37.07 | 39.06 | 42.13 | 44.89 | 48.23 | 54.17 | 61.33 | 69.10 | 76.63 | 81.38 | 85.65 | 90.80  | 94.42  | 102.17 |
| 37.84 | 39.86 | 42.95 | 45.74 | 49.11 | 55.11 | 62.33 | 70.16 | 77.75 | 82.53 | 86.83 | 92.01  | 95.65  | 103.44 |
| 38.61 | 40.65 | 43.78 | 46.59 | 50.00 | 56.05 | 63.33 | 71.23 | 78.86 | 83.68 | 88.00 | 93.22  | 96.88  | 104.72 |
| 39.38 | 41.44 | 44.60 | 47.45 | 50.88 | 56.99 | 64.33 | 72.28 | 79.97 | 84.82 | 89.18 | 94.42  | 98.10  | 105.99 |
| 40.16 | 42.24 | 45.43 | 48.31 | 51.77 | 57.93 | 65.33 | 73.34 | 81.09 | 85.96 | 90.35 | 95.63  | 99.33  | 107.26 |
| 40.93 | 43.04 | 46.26 | 49.16 | 52.66 | 58.87 | 66.33 | 74.40 | 82.20 | 87.11 | 91.52 | 96.83  | 100.55 | 108.53 |
| 41.71 | 43.84 | 47.09 | 50.02 | 53.55 | 59.81 | 67.33 | 75.46 | 83.31 | 88.25 | 92.69 | 98.03  | 101.78 | 109.79 |
| 42.49 | 44.64 | 47.92 | 50.88 | 54.44 | 60.76 | 68.33 | 76.52 | 84.42 | 89.39 | 93.86 | 99.23  | 103.00 | 111.06 |
| 43.28 | 45.44 | 48.76 | 51.74 | 55.33 | 61.70 | 69.33 | 77.58 | 85.53 | 90.53 | 95.02 | 100.43 | 104.21 | 112.32 |

|     | 0.005 | 0.01  | 0.025 | 0.05  | 0.1   | 0.25  | 0.5   | 0.75   | 0.9    | 0.95   | 0.975  | 0.99   | 0.995  | 0.999  |
|-----|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 71  | 44.06 | 46.25 | 49.59 | 52.60 | 56.22 | 62.64 | 70.33 | 78.63  | 86.64  | 91.67  | 96.19  | 101.62 | 105.43 | 113.58 |
| 72  | 44.84 | 47.05 | 50.43 | 53.46 | 57.11 | 63.58 | 71.33 | 79.69  | 87.74  | 92.81  | 97.35  | 102.82 | 106.65 | 114.83 |
| 73  | 45.63 | 47.86 | 51.26 | 54.33 | 58.01 | 64.53 | 72.33 | 80.75  | 88.85  | 93.95  | 98.52  | 104.01 | 107.86 | 116.09 |
| 74  | 46.42 | 48.67 | 52.10 | 55.19 | 58.90 | 65.47 | 73.33 | 81.80  | 89.96  | 95.08  | 99.68  | 105.20 | 109.07 | 117.35 |
| 75  | 47.21 | 49.48 | 52.94 | 56.05 | 59.79 | 66.42 | 74.33 | 82.86  | 91.06  | 96.22  | 100.84 | 106.39 | 110.29 | 118.60 |
| 76  | 48.00 | 50.29 | 53.78 | 56.92 | 60.69 | 67.36 | 75.33 | 83.91  | 92.17  | 97.35  | 102.00 | 107.58 | 111.50 | 119.85 |
| 77  | 48.79 | 51.10 | 54.62 | 57.79 | 61.59 | 68.31 | 76.33 | 84.97  | 93.27  | 98.48  | 103.16 | 108.77 | 112.70 | 121.10 |
| 78  | 49.58 | 51.91 | 55.47 | 58.65 | 62.48 | 69.25 | 77.33 | 86.02  | 94.37  | 99.62  | 104.32 | 109.96 | 113.91 | 122.35 |
| 79  | 50.38 | 52.72 | 56.31 | 59.52 | 63.38 | 70.20 | 78.33 | 87.08  | 95.48  | 100.75 | 105.47 | 111.14 | 115.12 | 123.59 |
| 80  | 51.17 | 53.54 | 57.15 | 60.39 | 64.28 | 71.14 | 79.33 | 88.13  | 96.58  | 101.88 | 106.63 | 112.33 | 116.32 | 124.84 |
| 81  | 51.97 | 54.36 | 58.00 | 61.26 | 65.18 | 72.09 | 80.33 | 89.18  | 97.68  | 103.01 | 107.78 | 113.51 | 117.52 | 126.08 |
| 82  | 52.77 | 55.17 | 58.84 | 62.13 | 66.08 | 73.04 | 81.33 | 90.24  | 98.78  | 104.14 | 108.94 | 114.69 | 118.73 | 127.32 |
| 83  | 53.57 | 55.99 | 59.69 | 63.00 | 66.98 | 73.99 | 82.33 | 91.29  | 99.88  | 105.27 | 110.09 | 115.88 | 119.93 | 128.56 |
| 84  | 54.37 | 56.81 | 60.54 | 63.88 | 67.88 | 74.93 | 83.33 | 92.34  | 100.98 | 106.39 | 111.24 | 117.06 | 121.13 | 129.80 |
| 85  | 55.17 | 57.63 | 61.39 | 64.75 | 68.78 | 75.88 | 84.33 | 93.39  | 102.08 | 107.52 | 112.39 | 118.24 | 122.32 | 131.04 |
| 86  | 55.97 | 58.46 | 62.24 | 65.62 | 69.68 | 76.83 | 85.33 | 94.45  | 103.18 | 108.65 | 113.54 | 119.41 | 123.52 | 132.28 |
| 87  | 56.78 | 59.28 | 63.09 | 66.50 | 70.58 | 77.78 | 86.33 | 95.50  | 104.28 | 109.77 | 114.69 | 120.59 | 124.72 | 133.51 |
| 88  | 57.58 | 60.10 | 63.94 | 67.37 | 71.48 | 78.73 | 87.33 | 96.55  | 105.37 | 110.90 | 115.84 | 121.77 | 125.91 | 134.75 |
| 89  | 58.39 | 60.93 | 64.79 | 68.25 | 72.39 | 79.68 | 88.33 | 97.60  | 106.47 | 112.02 | 116.99 | 122.94 | 127.11 | 135.98 |
| 90  | 59.20 | 61.75 | 65.65 | 69.13 | 73.29 | 80.62 | 89.33 | 98.65  | 107.57 | 113.15 | 118.14 | 124.12 | 128.30 | 137.21 |
| 91  | 60.00 | 62.58 | 66.50 | 70.00 | 74.20 | 81.57 | 90.33 | 99.70  | 108.66 | 114.27 | 119.28 | 125.29 | 129.49 | 138.44 |
| 92  | 60.81 | 63.41 | 67.36 | 70.88 | 75.10 | 82.52 | 91.33 | 100.75 | 109.76 | 115.39 | 120.43 | 126.46 | 130.68 | 139.67 |
| 93  | 61.63 | 64.24 | 68.21 | 71.76 | 76.01 | 83.47 | 92.33 | 101.80 | 110.85 | 116.51 | 121.57 | 127.63 | 131.87 | 140.89 |
| 94  | 62.44 | 65.07 | 69.07 | 72.64 | 76.91 | 84.42 | 93.33 | 102.85 | 111.94 | 117.63 | 122.72 | 128.80 | 133.06 | 142.12 |
| 95  | 63.25 | 65.90 | 69.92 | 73.52 | 77.82 | 85.38 | 94.33 | 103.90 | 113.04 | 118.75 | 123.86 | 129.97 | 134.25 | 143.34 |
| 96  | 64.06 | 66.73 | 70.78 | 74.40 | 78.73 | 86.33 | 95.33 | 104.95 | 114.13 | 119.87 | 125.00 | 131.14 | 135.43 | 144.57 |
| 97  | 64.88 | 67.56 | 71.64 | 75.28 | 79.63 | 87.28 | 96.33 | 106.00 | 115.22 | 120.99 | 126.14 | 132.31 | 136.62 | 145.79 |
| 98  | 65.69 | 68.40 | 72.50 | 76.16 | 80.54 | 88.23 | 97.33 | 107.05 | 116.32 | 122.11 | 127.28 | 133.48 | 137.80 | 147.01 |
| 99  | 66.51 | 69.23 | 73.36 | 77.05 | 81.45 | 89.18 | 98.33 | 108.09 | 117.41 | 123.23 | 128.42 | 134.64 | 138.99 | 148.23 |
| 100 | 67.33 | 70.06 | 74.22 | 77.93 | 82.36 | 90.13 | 99.33 | 109.14 | 118.50 | 124.34 | 129.56 | 135.81 | 140.17 | 149.45 |