| Please write your name | First | & : | Last] | here: |
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| Name | | |
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| Name | | |
| | | |

Instructions:

- You have 50 minutes to finish the exam.
- Partial credit will be given only if you show your work.
- Reason out your answers. In many cases, a line or two of justification is enough.
- If you get stuck on one, it may be a good idea to move on and come back to that question at the end.
- You may use your prepared notes (1 page, both sides) and a calculator only.

1. A video game store has one copy of a game that it rents out in whole hour increments with a maximum check out time of five hours. When a person comes by to rent the game we can define a random variable, X, as: X = time (in whole hours) that the game will be rented for. From past experience, the distribution of X is given by the following table.

(a) Compute $\mathbb{E}(X)$ and Var(X). (8 points)

Answer:
$$\mathbb{E}(X) = 1(.04) + 2(.14) + 3(.28) + 4(.32) + 5(.22) = 3.54$$

$$\mathbb{E}(X^2) = 1(.04) + 4(.14) + 9(.28) + 16(.32) + 25(.22) = 13.74$$

So,
$$Var(X) = 13.74 - 3.54^2 = 1.21$$

(b) The game store has the following pricing scheme for the game rental. \$5 flat fee plus \$2 per hour the game is rented for. Let Y = profit when a person come to rent the game. Write Y as a function of X and use the rules of expectation to find $\mathbb{E}(Y)$. (5 points)

Answer:
$$Y = 5 + 2X$$
. $\mathbb{E}(Y) = \mathbb{E}(5 + 2X) = 5 + 2\mathbb{E}(X) = 5 + 2(3.54) = 12.08$ (dollars)

(c) Suppose the game store adopts the following pricing scheme: no flat fee, \$7 per hour if rented for three or less hours, \$2 per hour if rented for four or five hours. Now, let Z = profit for this new pricing scheme. Fill in the rest of the table with the values Z can take on. (4 points)

Answer:

(d) Calculate $\mathbb{E}(Z)$. Which pricing scheme is best for the game store in terms of highest expected profit from a game rental?

Answer:

 $\mathbb{E}(Z) = 7(.04) + 14(.14) + 21(.28) + 8(.32) + 10(.22) = 12.88$ (dollars). The second pricing scheme is better.

2. A communications channel transmits the digits 0 and 1. However, due to static, the digit that is transmitted is incorrectly received with probability 0.05. Suppose we want to transmit an important message consisting of the digit 0. Thus we would have a 5% chance of the message being received incorrectly. To reduce the chance of error, we transmit the string 000 instead of just 0. In this setup, each digit in the string can be "flipped" in transmission to a 1 with probability 0.05, independently of each other. The receiver will then decode the message being sent after receiving the string of three digits. If there are more 0's in the string, the receiver will conclude that a 0 was originally sent. If there are more 1's in the string the receiver will conclude (incorrectly) that a 1 was originally sent. The process looks like this:

$$0 \rightarrow 000 \rightarrow 010 \rightarrow 0$$

Where the steps are replicate, transmit, decode.

(a) We send a 0 using the method described above. A sample space for this experiment is all three digit strings that the receiver can get in the transmission step. Write down the sample space here. (4 points)

Answer: $\Omega = \{000, 001, 010, 100, 111, 110, 101, 011\}$

(b) We send a 0 using the method described above. Instead of focusing on the sample space in part (a), let X = the number of 1's that the receiver gets in the string. What is the distribution of X? Use the $X \sim$ notation with the numerical values of the parameter(s). (4 points)

Answer: $X \sim \text{Bin}(3, .05)$

(c) We send a 0 using the method described above, what is the probability that the receiver will (incorrectly) conclude that a 1 was originally sent? (4 points)

Answer: $\mathbb{P}(\text{conclude 1 was sent}) = \mathbb{P}(X \ge 2) = 1 - \mathbb{P}(X \le 1) = 1 - .9928 = .0072$ using the binomial cdf table. Notice this is an 86% reduction in the probability of an error.

(d) We send a 0, but suppose instead of replicating it as 000, we replicate it as 0000000 and send that string. Now, let Y = the number of 1's that the receiver gets in the string. What is the probability that the receiver will (correctly) conclude that a 0 was originally sent? (hint: what is the distribution of Y here) (4 points)

Answer: $\mathbb{P}(\text{conclude 0 was sent}) = \mathbb{P}(X \leq 3)$ where now $X \sim \text{Bin}(7,.05)$. This is .9998 using the binomial cdf table.

3. The joint probability mass function of 2 random variables, X and Y, is given below:

$$\begin{array}{c|cccc} & & X & \\ Y & 0 & 1 & 2 \\ \hline 0 & 0.12 & 0.08 & 0.2 \\ 1 & 0.18 & 0.12 & 0.3 \\ \end{array}$$

(a) Calculate $\mathbb{P}(X > Y)$ [2 points]

Answer:

$$\mathbb{P}(X > Y) = \mathbb{P}(X = 1, Y = 0) + \mathbb{P}(X = 2, Y = 0) + \mathbb{P}(X = 2, Y = 1)$$

$$= 0.08 + 0.2 + 0.3$$

$$= 0.58$$

(b) Find the marginal probability mass functions for X and Y. [4 points] **Answer:**

(c) Calculate E(X) and E(Y). [4 points] **Answer:**

$$E(X) = \sum_{x} x p_X(x) = (0)(0.3) + (1)(0.2) + (2)(0.5) = 1.2$$

$$E(Y) = \sum_{y} y p_Y(y) = (0)(0.4) + (1)(0.6) = 0.6$$

(d) Calculate the covariance between X and Y. [4 points] **Answer:**

$$E(XY) = \sum_{xy} xyp_{X,Y}(x,y)$$

$$= (0)(0)(0.12) + (0)(1)(0.08) + (0)(2)(0.2)$$

$$+ (1)(0)(0.18) + (1)(1)(0.12) + (1)(2)(0.3) = 0.72$$

$$Cov(X,Y) = E(XY) - E(X)E(Y) = 0.72 - (1.2)(0.6) = 0$$

(e) Are X and Y independent? Justify your answer. [4 points]

Answer: X and Y are independent because $p_{X,Y}(x,y) = p_X(x)p_Y(y)$ for all (x,y) pairs.

- 4. Suppose the number of goals scored in a game by your soccer team follows a Poisson distribution. Your team has played 10 games in total, and scored a total of 8 goals.
 - (a) Based on your team's history, what is the average number of goals you expect your team to score in a single game? [2 points]

Answer: $\frac{8}{10} = 0.8$

(b) Define X as the number of goals scored in a single game by your team. Give the distribution of X and value(s) of any parameter(s). [2 points]

Answer:

$$X \sim Pois(0.8)$$

(c) What is the probability that your team scores no goals in a game? [4 points]

Answer:

$$\mathbb{P}(X=0) = \frac{e^{-0.8}0.8^0}{0!} = 0.4493$$

(d) What is the probability that your team scores at least 1 goal in a game? [4 points]

Answer:

$$\mathbb{P}(X \ge 1) = 1 - \mathbb{P}(X < 1) = 1 - \mathbb{P}(X = 0) = 1 - 0.4493 = 0.5507$$

(e) What is the probability that your team scores between 1 and 3 goals (inclusive) in a game? [4 points]

Answer:

$$\mathbb{P}(1 \le X \le 3) = \mathbb{P}(X \le 3) - \mathbb{P}(X = 0) = 0.9909 - 0.4493 = 0.5416$$

(f) During the season, your team plays several games, where each game is independent and identically distributed. Define a new random variable, Y, as the number of games until your team starts scoring goals (i.e. get at least one goal).

Give the distribution of Y and value(s) of any parameter(s). [2 points] **Answer:**

Y = number of games until 1^{st} "success" (where "success" is scoring at least one goal) $\mathbb{P}(\text{Success}) = \mathbb{P}(\text{score at least 1 goal in a game}) = 0.5507$

$$Y \sim Geo(p) = Geo(0.5507)$$

(g) What is the probability that you only start scoring goals after your 3^{rd} game? [4 points]

Answer:

$$\mathbb{P}(Y > 3) = 1 - \mathbb{P}(Y \le 3)$$

$$= 1 - F_Y(3)$$

$$= 1 - (1 - (1 - p)^3)$$

$$= 1 - (1 - (1 - 0.5507)^3)$$

$$= 0.0907$$

5. A continuous random variable X has the probability density function (pdf)

$$f_X(x) = \begin{cases} 6x(1-x), & \text{if } 0 < x < 1, \\ 0, & \text{otherwise.} \end{cases}$$

(a) Find P(X < 0.4). (4 points)

Answer:
$$P(X < 0.4) = 6(\frac{1}{2}x^2 - \frac{1}{3}x^3)\Big|_0^{0.4} = 0.352$$

(b) Find $P(X < 0.4 \mid X < 0.8)$. (4 points)

Answer:
$$P(X < 0.8) = 6(\frac{1}{2}x^2 - \frac{1}{3}x^3)|_0^{0.8} = 6 \times 0.1493 = 0.896$$

$$P(X < 0.4 \mid X < 0.8) = \frac{P(X < 0.4)}{P(X < 0.8)} = \frac{0.352}{0.896} = 0.393.$$

(c) Compute E(X). (4 points)

Answer:

$$E(X) = \int_0^1 x \times 6x(1-x) \ dx = \int_0^1 (6x^2 - 6x^3) \ dx = \left(2x^3 - \frac{3}{2}x^4\right)\Big|_0^1 = 0.5$$

Appendix A

Distribution Tables

Binomial Distribution

$$B_{n,p}(x) = \sum_{i=0}^{\lfloor x \rfloor} \binom{n}{i} p^i (1-p)^{n-i}$$

| n=1 | p=0.01 | 0.05 | 0.1 | 0.15 | 1/6 | 0.2 | 0.25 | 0.3 | 1/3 | 0.4 | 0.5 |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|
| x=0 | 0.99 | 0.95 | 0.9 | 0.85 | 0.8333333 | 0.8 | 0.75 | 0.7 | 0.6666667 | 0.6 | 0.5 |
| n=2 | p=0.01 | 0.05 | 0.1 | 0.15 | 1/6 | 0.2 | 0.25 | 0.3 | 1/3 | 0.4 | 0.5 |
| x=0 | 0.9801 | 0.9025 | 0.81 | 0.7225 | 0.6944444 | 0.64 | 0.5625 | 0.49 | 0.444444 | 0.36 | 0.25 |
| 1 | 0.9999 | 0.9975 | 0.99 | 0.9775 | 0.9722222 | 0.96 | 0.9375 | 0.91 | 0.8888889 | 0.84 | 0.75 |
| n=3 | p=0.01 | 0.05 | 0.1 | 0.15 | 1/6 | 0.2 | 0.25 | 0.3 | 1/3 | 0.4 | 0.5 |
| x=0 | 0.970299 | 0.857375 | 0.729 | 0.614125 | 0.5787037 | 0.512 | 0.421875 | 0.343 | 0.2962963 | 0.216 | 0.125 |
| 1 | 0.999702 | 0.992750 | 0.972 | 0.939250 | 0.9259259 | 0.896 | 0.843750 | 0.784 | 0.7407407 | 0.648 | 0.500 |
| 2 | 0.999999 | 0.999875 | 0.999 | 0.996625 | 0.9953704 | 0.992 | 0.984375 | 0.973 | 0.9629630 | 0.936 | 0.875 |
| n=4 | p=0.01 | 0.05 | 0.1 | 0.15 | 1/6 | 0.2 | 0.25 | 0.3 | 1/3 | 0.4 | 0.5 |
| x=0 | 0.960596 | 0.8145062 | 0.6561 | 0.5220063 | 0.4822531 | 0.4096 | 0.3164063 | 0.2401 | 0.1975309 | 0.1296 | 0.0625 |
| 1 | 0.999408 | 0.9859812 | 0.9477 | 0.8904813 | 0.8680556 | 0.8192 | 0.7382812 | 0.6517 | 0.5925926 | 0.4752 | 0.3125 |
| 2 | 0.999996 | 0.9995188 | 0.9963 | 0.9880187 | 0.9837963 | 0.9728 | 0.9492188 | 0.9163 | 0.8888889 | 0.8208 | 0.6875 |
| 3 | 1.000000 | 0.9999938 | 0.9999 | 0.9994937 | 0.9992284 | 0.9984 | 0.9960938 | 0.9919 | 0.9876543 | 0.9744 | 0.9375 |
| n=5 | p=0.01 | 0.05 | 0.1 | 0.15 | 1/6 | 0.2 | 0.25 | 0.3 | 1/3 | 0.4 | 0.5 |
| x=0 | 0.9509900 | 0.7737809 | 0.59049 | 0.4437053 | 0.4018776 | 0.32768 | 0.2373047 | 0.16807 | 0.1316872 | 0.07776 | 0.03125 |
| 1 | 0.9990199 | 0.9774075 | 0.91854 | 0.8352100 | 0.8037551 | 0.73728 | 0.6328125 | 0.52822 | 0.4609053 | 0.33696 | 0.18750 |
| 2 | 0.9999901 | 0.9988419 | 0.99144 | 0.9733881 | 0.9645062 | 0.94208 | 0.8964844 | 0.83692 | 0.7901235 | 0.68256 | 0.50000 |
| 3 | 1.0000000 | 0.9999700 | 0.99954 | 0.9977725 | 0.9966564 | 0.99328 | 0.9843750 | 0.96922 | 0.9547325 | 0.91296 | 0.81250 |
| 4 | 1.0000000 | 0.9999997 | 0.99999 | 0.9999241 | 0.9998714 | 0.99968 | 0.9990234 | 0.99757 | 0.9958848 | 0.98976 | 0.96875 |
| n=6 | p=0.01 | 0.05 | 0.1 | 0.15 | 1/6 | 0.2 | 0.25 | 0.3 | 1/3 | 0.4 | 0.5 |
| x=0 | 0.9414801 | 0.7350919 | 0.531441 | 0.3771495 | 0.3348980 | 0.262144 | 0.1779785 | 0.117649 | 0.0877915 | 0.046656 | 0.015625 |
| 1 | 0.9985396 | 0.9672262 | 0.885735 | 0.7764843 | 0.7367755 | 0.655360 | 0.5339355 | 0.420175 | 0.3511660 | 0.233280 | 0.109375 |
| 2 | 0.9999804 | 0.9977702 | 0.984150 | 0.9526614 | 0.9377143 | 0.901120 | 0.8305664 | 0.744310 | 0.6803841 | 0.544320 | 0.343750 |
| | | 0.9999136 | | 0.9941148 | | | 0.9624023 | 0.929530 | 0.8998628 | 0.820800 | 0.656250 |
| 4 | 1.0000000 | 0.9999982 | | 0.9996013 | | | 0.9953613 | 0.989065 | 0.9821674 | 0.959040 | 0.890625 |
| 5 | 1.0000000 | 1.0000000 | 0.999999 | 0.9999886 | 0.9999786 | 0.999936 | 0.9997559 | 0.999271 | 0.9986283 | 0.995904 | 0.984375 |
| n=7 | p=0.01 | 0.05 | 0.1 | 0.15 | 1/6 | 0.2 | 0.25 | 0.3 | 1/3 | 0.4 | 0.5 |
| x=0 | 0.9320653 | 0.6983373 | 0.4782969 | 0.3205771 | 0.2790816 | 0.2097152 | 0.1334839 | 0.0823543 | 0.05852766 | 0.0279936 | 0.0078125 |
| | | | | | | | | | 0.26337449 | | |
| 2 | 0.9999660 | 0.9962430 | 0.9743085 | 0.9262348 | 0.9042245 | 0.8519680 | 0.7564087 | 0.6470695 | 0.57064472 | 0.4199040 | 0.2265625 |
| 3 | 0.9999997 | 0.9998064 | 0.9972720 | 0.9878968 | 0.9823674 | 0.9666560 | 0.9294434 | 0.8739640 | 0.82670325 | 0.7102080 | 0.5000000 |
| 4 | 1.0000000 | 0.9999940 | 0.9998235 | 0.9987784 | 0.9979960 | 0.9953280 | 0.9871216 | 0.9712045 | 0.95473251 | 0.9037440 | 0.7734375 |
| | | | | | | | | | 0.99314129 | | |
| 6 | 1.0000000 | 1.0000000 | 0.9999999 | 0.9999983 | 0.9999964 | 0.9999872 | 0.9999390 | 0.9997813 | 0.99954275 | 0.9983616 | 0.9921875 |

A.1 Poisson Distribution

$$Po_{\lambda}(x) = \sum_{k=0}^{\lfloor x \rfloor} e^{-\lambda} \frac{\lambda^k}{k!}$$

| x | $\lambda = 0.1$ | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 |
|--|-----------------------------|-----------|------------------|------------|-----------|-------------------|-------------------|-------------------|-------------------------|------------|
| 0 | 0.9048374 | 0.8187308 | 0.7408182 | 0.6703200 | 0.6065307 | 0.5488116 | 0.4965853 | 0.4493290 | 0.4065697 | 0.3678794 |
| 1 | 0.9953212 | 0.9824769 | 0.9630637 | 0.9384481 | 0.9097960 | 0.8780986 | 0.8441950 | 0.8087921 | 0.7724824 | 0.7357589 |
| 2 | 0.9998453 | 0.9988515 | 0.9964005 | 0.9920737 | 0.9856123 | 0.9768847 | 0.9658584 | 0.9525774 | 0.9371431 | 0.9196986 |
| 3 | 0.9999962 | 0.9999432 | 0.9997342 | 0.9992237 | 0.9982484 | 0.9966419 | 0.9942465 | 0.9909201 | 0.9865413 | 0.9810118 |
| 4 | 0.9999999 | 0.9999977 | 0.9999842 | 0.9999388 | 0.9998279 | 0.9996055 | 0.9992145 | 0.9985887 | 0.9976559 | 0.9963402 |
| 5 | 1.0000000 | 0.9999999 | 0.9999992 | 0.9999960 | 0.9999858 | 0.9999611 | 0.9999100 | 0.9998157 | 0.9996565 | 0.9994058 |
| 6 | | 1.0000000 | 1.0000000 | 0.9999998 | 0.9999990 | 0.9999967 | 0.9999911 | 0.9999793 | 0.9999566 | 0.9999168 |
| 7 | | | | 1.0000000 | 0.9999999 | 0.9999998 | 0.9999992 | 0.9999979 | 0.9999952 | 0.9999898 |
| 8 | | | | | 1.0000000 | 1.0000000 | 0.9999999 | 0.9999998 | 0.9999995 | 0.9999989 |
| 9 | | | | | | | 1.0000000 | 1.0000000 | 1.0000000 | 0.9999999 |
| 10 | | | | | | | | | | 1.0000000 |
| | | | | | | | | | | |
| x | $\lambda = 1.1$ | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 0 | 0.3328711 | 0.3011942 | 0.2725318 | 0.2465970 | 0.2231302 | 0.2018965 | 0.1826835 | 0.1652989 | 0.1495686 | 0.1353353 |
| 1 | 0.6990293 | 0.6626273 | | 0.5918327 | | 0.5249309 | 0.4932455 | 0.4628369 | 0.4337490 | 0.4060058 |
| $\frac{1}{2}$ | | 0.8794871 | | 0.8334977 | | 0.7833585 | 0.7572232 | 0.7306211 | 0.7037204 | 0.6766764 |
| 3 | | 0.9662310 | | 0.9462747 | | 0.9211865 | 0.9068106 | 0.8912916 | 0.8747022 | 0.8571235 |
| 4 | | 0.9922542 | | 0.9857467 | | 0.9763177 | 0.9703852 | 0.9635933 | 0.9559186 | 0.9473470 |
| 5 | | 0.9984998 | | 0.9967989 | | 0.9939597 | 0.9920006 | 0.9896220 | 0.9867808 | 0.9834364 |
| 6 | | 0.9997489 | | | 0.9990740 | 0.9986642 | 0.9981249 | 0.9974306 | 0.9965539 | 0.9954662 |
| 7 | | 0.9999630 | | | 0.9998304 | 0.9997396 | 0.9996123 | 0.9994385 | 0.9992065 | 0.9989033 |
| 8 | | 0.9999951 | | 0.9999837 | | 0.9999546 | 0.9999283 | 0.9998903 | 0.9998366 | 0.9997626 |
| 9 | 0.9999997 | | | 0.9999978 | | 0.9999929 | 0.9999880 | 0.9999806 | 0.9999696 | 0.9999535 |
| 10 | 1.0000000 | 0.9999999 | | 0.9999997 | | 0.9999990 | 0.9999982 | 0.9999969 | 0.9999948 | 0.9999917 |
| 11 | 1.0000000 | | 1.0000000 | 1.0000000 | 0.9999999 | 0.9999999 | 0.9999997 | 0.9999995 | 0.9999992 | 0.9999986 |
| 12 | | | | | 1.0000000 | 1.0000000 | 1.0000000 | 0.9999999 | 0.9999999 | 0.9999998 |
| 13 | | | | | | | | 1.0000000 | 1.0000000 | 1.0000000 |
| | | | | | | | | | | |
| |) 0.1 | 0.0 | 0.0 | 0.4 | 0.5 | 0.0 | 0.7 | 0.0 | 0.0 | 9.0 |
| 0 | $\lambda = 2.1$ 0.1224564 | 0.1108032 | 2.3 0.1002588 | 0.09071795 | 2.5 | 2.6 0.07427358 | 2.7 0.06720551 | 2.8 0.06081006 | 2.9 0.05502322 | 3.0 |
| 1 | 0.1224504 0.3796149 | | | 0.30844104 | 0.0820850 | 0.07427338 | 0.06720551 | | 0.03502322 0.21459056 | 0.04978707 |
| $\begin{bmatrix} 1 \\ 2 \end{bmatrix}$ | | | | 0.56970875 | | | | | 0.21459030 0.44596320 | |
| $\begin{vmatrix} 2 \\ 3 \end{vmatrix}$ | 0.8386428 | | | | 0.7575761 | | | 0.69193743 | 0.66962342 | |
| $\begin{vmatrix} 3 \\ 4 \end{vmatrix}$ | | | | 0.90413141 | | 0.87742349 | | | 0.83177708 | |
| 5 | 0.9378739 | | | 0.96432749 | 0.9579790 | | 0.94326833 | 0.93488969 | 0.92582620 | |
| 6 | 0.9941379 | | | 0.98840592 | | | | | | |
| 7 | | | | | 0.9957533 | 0.99466624 | | | 0.99011549 | |
| 8 | 0.9996627 | | | | 0.9988597 | 0.99851305 | 0.99808637 | | 0.99694217 | |
| 9 | 0.9999307 | 0.9998991 | | 0.99979846 | | 0.99962435 | | 0.99933991 | | |
| 10 | 0.9999870 | | 0.9999705 | 0.99995696 | | 0.99991329 | 0.99987995 | | 0.99977979 | |
| 11 | 0.9999978 | | | 0.99999155 | | | 0.99997354 | | 0.99994797 | |
| 12 | 0.9999996 | 0.9999994 | | 0.99999846 | 0.9999976 | 0.99999638 | 0.99999460 | 0.99999209 | 0.99998861 | |
| 13 | 0.9999999 | | 0.9999998 | 0.99999974 | | 0.99999934 | | | 0.99999768 | |
| 14 | | 1.0000000 | | | 0.9999999 | 0.99999989 | 0.99999982 | | 0.99999956 | |
| 15 | | | | 1.00000000 | | 0.99999998 | 0.99999997 | 0.99999995 | 0.99999999 | |
| 16 | | | | | | | 1.00000000 | 0.99999999 | 0.99999999 | 0.99999998 |
| 17 | | | | | | | | | 1.00000000 | |
| | | | | | | | | | | |

| X | $\lambda = 3.5$ | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 |
|---|---|--|---|--|--|---|---|---|---|---|
| 0 | 0.03019738 | 0.01831564 | 0.01110900 | 0.00673795 | 0.00408677 | 0.00247875 | 0.00150344 | 0.00091188 | 0.00055308 | 0.00033546 |
| 1 | | | | 0.04042768 | | | | | | |
| 2 | | | | 0.12465202 | | | | | | |
| 3 | | | | 0.26502592 | | | | | | |
| 4 5 | | | | 0.44049329 0.61596066 | | | | | | |
| 6 | | | | 0.76218346 | | | | | | |
| 7 | | | | 0.86662833 | | | | | | |
| 8 | | | | 0.93190637 | | | | | | |
| 9 | 0.99668506 | 0.99186776 | 0.98290727 | 0.96817194 | 0.94622253 | 0.91607598 | 0.87738405 | 0.83049594 | 0.77640761 | 0.71662426 |
| 10 | | | | 0.98630473 | | | | | | |
| 11 | | | | 0.99454691 | | | | | | |
| 12 | 0.99992404 | | | 0.99798115 | | | | | | |
| 14 | | | | 0.99930201 | | | | | | |
| 15 | 0.99999908 | | | | | | | | | |
| - | 0.99999981 | | | | | | | | | |
| 17 | 0.99999996 | 0.99999975 | 0.99999870 | 0.99999458 | 0.99998109 | 0.99994308 | 0.99984872 | 0.99963822 | 0.99921000 | 0.99840574 |
| 18 | | | | 0.99999860 | | | | | | |
| 19 | 1.00000000 | | | 0.99999966 | | | | | | |
| 20 | | 1.00000000 | | 0.99999999 0.99999998 | | | | | | |
| 21 22 | | | 1.00000000 | | | | 0.99999858 | | | |
| 23 | | | | 1.00000000 | | | 0.99999990 | | | |
| 24 | | | | | 1.00000000 | | 0.99999997 | | | |
| 25 | | | | | | | 0.99999999 | | | |
| 26 | | | | | | | 1.00000000 | 0.99999999 | 0.99999997 | 0.99999990 |
| 27 | | | | | | | | 1.00000000 | 0.99999999 | |
| 28 | | | | | | | | | 1.00000000 | 0.99999999 |
| 29 | | | | | | | | | | 1.00000000 |
| | | | | | | | | | | |
| _ x | λ=9 | 10 | 11 | 12 | 13 | 14 | 15 | 20 | 25 | 30 |
| | | | | | | | | | | |
| | | | | 0.00000614 | | | | | | |
| 1 | 0.00123410 | 0.00049940 | 0.00020042 | 0.00007987 | 0.00003164 | 0.00001247 | 0.00000489 | 0.00000004 | 0.00000000 | 0.00000000 |
| 2 | 0.00123410 0.00623220 | $\begin{array}{c} 0.00049940 \\ 0.00276940 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\end{array}$ |
| | 0.00123410 0.00623220 0.02122649 | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \end{array}$ | 0.00007987 | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \end{array}$ | $\begin{array}{c} 0.00000000 \\ 0.00000000 \\ 0.00000004 \end{array}$ | 0.00000000 0.00000000 0.00000000 |
| $\frac{2}{3}$ | 0.00123410 0.00623220 0.02122649 0.05496364 | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \end{array}$ | 0.00007987 0.00052226 0.00229179 | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027 \end{array}$ | 0.00000000 0.00000000 0.00000000 0.000000 |
| 2 3 4 5 6 | 0.00123410 0.00623220 0.02122649 0.05496364 0.11569052 0.20678084 | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00000611 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 5 6 7 | 0.00123410 0.00623220 0.02122649 0.05496364 0.11569052 0.20678084 0.32389696 | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00077859 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00000611\\ 0.00002292 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00077859 \\ 0.00208726 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00000611\\ 0.00002292\\ 0.00007548 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00027191 \\ 0.00025512 \\ 0.00077859 \\ 0.00208726 \\ 0.00499541 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00000611\\ 0.00002292\\ 0.00007548\\ 0.00022148 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00025512 \\ 0.00077859 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00000611\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00025512 \\ 0.00077859 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 | 0.00123410 0.00623220 0.02122649 0.05496364 0.11569052 0.20678084 0.32389696 0.45565260 0.58740824 0.70598832 0.80300838 | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00025512 \\ 0.00077859 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.0000292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.3238969 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00027191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00002211\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.3238969 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.231985103 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \\ 0.90739609 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00002211\\ 0.00002248\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.3238969 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.231985103 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \\ 0.90739609 \\ 0.94407565 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00002212\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389690 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.98572240 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \\ 0.90739609 \\ 0.94407565 \\ 0.96780948 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00002214\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99757360 \\ \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.98572240 \\ 0.99281350 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \\ 0.90739609 \\ 0.94407565 \\ 0.96780948 \\ 0.98231349 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 3 4 5 5 6 6 7 7 8 8 9 10 11 12 13 14 4 15 16 17 18 19 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99757360 \\ 0.99894405 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.98572240 \\ 0.99281350 \\ 0.99654570 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \\ 0.90739609 \\ 0.94407565 \\ 0.96780948 \\ 0.98231349 \\ 0.99071054 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00077859 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \\ 0.47025730 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.012229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13357480\\ \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 3 4 4 5 5 6 6 7 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99757360 \\ \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.98572240 \\ 0.99281350 \\ 0.99654570 \\ 0.99841170 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \\ 0.90739609 \\ 0.94407565 \\ 0.96780948 \\ 0.98231349 \\ 0.99071054 \\ 0.99532892 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.95209160 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \\ 0.47025730 \\ 0.55909260 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.000000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13357480\\ 0.18549230 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99757360 \\ 0.99894405 \\ 0.99956075 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.98572240 \\ 0.99281350 \\ 0.99654570 \\ 0.99841170 \\ 0.99930030 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \\ 0.90739609 \\ 0.94407565 \\ 0.96780948 \\ 0.98231349 \\ 0.99071054 \\ 0.99532892 \\ 0.99774808 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84841570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \\ 0.99393490 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \\ 0.98591860 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.95209160 \\ 0.97115590 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \\ 0.94689360 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00077859 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \\ 0.47025730 \\ 0.55909260 \\ 0.64369760 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000004\\ 0.00000027\\ 0.00000140\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13357480\\ 0.18549230\\ 0.24729880\\ \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99757360 \\ 0.999894405 \\ 0.999895075 \\ 0.99982505 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.98572240 \\ 0.99281350 \\ 0.99654570 \\ 0.99841170 \\ 0.99930030 \\ 0.99970430 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \\ 0.90739609 \\ 0.94407565 \\ 0.96780948 \\ 0.98231349 \\ 0.99071054 \\ 0.99532892 \\ 0.99774808 \\ 0.99895765 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \\ 0.99393490 \\ 0.99695260 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \\ 0.98591860 \\ 0.99237750 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.260039940 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.92349510 \\ 0.97115590 \\ 0.98328780 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \\ 0.94689360 \\ 0.96725580 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \\ 0.47025730 \\ 0.55909260 \\ 0.64369760 \\ 0.72061130 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.000000000\\ 0.000000004\\ 0.00000027\\ 0.00000140\\ 0.00000611\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13357480\\ 0.18549230\\ 0.24729880\\ 0.31753350\\ \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99757360 \\ 0.999894405 \\ 0.999950075 \\ 0.999950075 \\ 0.99993317 \\ 0.99997548 \\ 0.99999135 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.98572240 \\ 0.99281350 \\ 0.99654570 \\ 0.99841170 \\ 0.99930030 \\ 0.999970430 \\ 0.99997310 \end{array}$ | $\begin{array}{c} 0.00020042 \\ 0.00121087 \\ 0.00491587 \\ 0.01510460 \\ 0.03751981 \\ 0.07861437 \\ 0.14319153 \\ 0.23198513 \\ 0.34051064 \\ 0.45988870 \\ 0.57926676 \\ 0.68869665 \\ 0.78129117 \\ 0.85404401 \\ 0.90739609 \\ 0.94407565 \\ 0.96780948 \\ 0.99231349 \\ 0.99071054 \\ 0.99532892 \\ 0.99774808 \\ 0.99895765 \\ 0.99953614 \\ 0.99980129 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \\ 0.99393490 \\ 0.99695260 \\ 0.99852710 \\ 0.99931440 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \\ 0.98591860 \\ 0.99237750 \\ 0.99602820 \\ 0.99800570 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.95209160 \\ 0.97115590 \\ 0.98328780 \\ 0.99067240 \\ 0.99498010 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \\ 0.94689360 \\ 0.96725580 \\ 0.98053540 \\ 0.98883520 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \\ 0.47025730 \\ 0.55909260 \\ 0.64369760 \\ 0.72061130 \\ 0.78749280 \\ 0.84322740 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.000000000\\ 0.000000004\\ 0.00000014\\ 0.00000011\\ 0.00000611\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13357480\\ 0.18549230\\ 0.24729880\\ 0.31753350\\ 0.39387550\\ 0.47339850 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 4 5 6 6 7 7 8 8 9 10 11 12 13 14 15 16 6 17 18 19 20 21 22 23 24 25 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99956075 \\ 0.99982505 \\ 0.99993317 \\ 0.999997548 \\ 0.999999706 \\ \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.99281350 \\ 0.99654570 \\ 0.99841170 \\ 0.99987900 \\ 0.999970430 \\ 0.999970430 \\ 0.99998790 \\ 0.99998230 \\ \end{array}$ | $\begin{array}{c} 0.00020042\\ 0.00121087\\ 0.00491587\\ 0.01510460\\ 0.03751981\\ 0.07861437\\ 0.14319153\\ 0.23198513\\ 0.34051064\\ 0.45988870\\ 0.57926676\\ 0.68869665\\ 0.78129117\\ 0.85404401\\ 0.90739609\\ 0.94407565\\ 0.96780948\\ 0.99231349\\ 0.99071054\\ 0.99532892\\ 0.99774808\\ 0.99895765\\ 0.99953614\\ 0.999991795 \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \\ 0.99893490 \\ 0.99695260 \\ 0.99852710 \\ 0.99931440 \\ 0.99969220 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \\ 0.98591860 \\ 0.99237750 \\ 0.99602820 \\ 0.99800570 \\ 0.99903400 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.95209160 \\ 0.97115590 \\ 0.98328780 \\ 0.99067240 \\ 0.99498010 \\ 0.99739240 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \\ 0.94689360 \\ 0.96725580 \\ 0.98883520 \\ 0.99381510 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \\ 0.47025730 \\ 0.55909260 \\ 0.64369760 \\ 0.72061130 \\ 0.78749280 \\ 0.84322740 \\ 0.88781500 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.000000000\\ 0.000000004\\ 0.000000140\\ 0.00000611\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13357480\\ 0.18549230\\ 0.24729880\\ 0.31753350\\ 0.39387550\\ 0.47339850\\ 0.55292140 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.32389696 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99757360 \\ 0.99982505 \\ 0.999982505 \\ 0.999993317 \\ 0.999997548 \\ 0.999999135 \\ 0.99999706 \\ 0.99999904 \\ \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.98572240 \\ 0.99281350 \\ 0.99654570 \\ 0.99981170 \\ 0.999930030 \\ 0.999970430 \\ 0.999970430 \\ 0.999975310 \\ 0.999998230 \\ 0.99999360 \\ \end{array}$ | $\begin{array}{c} 0.00020042\\ 0.00121087\\ 0.00491587\\ 0.00491587\\ 0.01510460\\ 0.03751981\\ 0.07861437\\ 0.14319153\\ 0.23198513\\ 0.34051064\\ 0.45988870\\ 0.57926676\\ 0.68869665\\ 0.78129117\\ 0.85404401\\ 0.90739609\\ 0.94407565\\ 0.96780948\\ 0.998231349\\ 0.99071054\\ 0.99532892\\ 0.99774808\\ 0.998532892\\ 0.99774808\\ 0.99895765\\ 0.99953614\\ 0.999907195\\ 0.9999071795\\ 0.999996731\\ \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \\ 0.9989393490 \\ 0.998952710 \\ 0.99991440 \\ 0.999999220 \\ 0.99986670 \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \\ 0.98591860 \\ 0.99237750 \\ 0.99602820 \\ 0.99800570 \\ 0.99993400 \\ 0.99954810 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.95209160 \\ 0.97115590 \\ 0.98328780 \\ 0.99067240 \\ 0.99498010 \\ 0.99739240 \\ 0.99869130 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \\ 0.94689360 \\ 0.96725580 \\ 0.98053540 \\ 0.98883520 \\ 0.99381510 \\ 0.99668810 \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.0138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \\ 0.47025730 \\ 0.55909260 \\ 0.64369760 \\ 0.72061130 \\ 0.78749280 \\ 0.84322740 \\ 0.88781500 \\ 0.92211320 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.000000000\\ 0.000000004\\ 0.000000140\\ 0.000000111\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13557480\\ 0.18549230\\ 0.24729880\\ 0.31753350\\ 0.34739850\\ 0.47339850\\ 0.47339850\\ 0.55292140\\ 0.62938580 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.3238969 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99757360 \\ 0.999894405 \\ 0.999995075 \\ 0.999993317 \\ 0.999993317 \\ 0.9999997548 \\ 0.999999135 \\ 0.99999904 \\ 0.99999904 \\ 0.99999969 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.98572240 \\ 0.99281350 \\ 0.99654570 \\ 0.99841170 \\ 0.99981170 \\ 0.999970430 \\ 0.999970430 \\ 0.9999970430 \\ 0.999995310 \\ 0.999995310 \\ 0.999998230 \\ 0.999999770 \end{array}$ | $\begin{array}{c} 0.00020042\\ 0.00121087\\ 0.00491587\\ 0.01510460\\ 0.03751981\\ 0.07861437\\ 0.14319153\\ 0.23198513\\ 0.34051064\\ 0.45988870\\ 0.57926676\\ 0.68869665\\ 0.78129117\\ 0.85404401\\ 0.90739609\\ 0.94407565\\ 0.96780948\\ 0.99971054\\ 0.99532892\\ 0.99774808\\ 0.99895765\\ 0.99953614\\ 0.99980129\\ 0.99991795\\ 0.999991795\\ 0.999996731\\ 0.999998742\\ \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.34722940 \\ 0.34722940 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \\ 0.99393490 \\ 0.99695260 \\ 0.999852710 \\ 0.99991440 \\ 0.999994420 \\ \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \\ 0.98591860 \\ 0.99237750 \\ 0.99602820 \\ 0.99800570 \\ 0.99903400 \\ 0.99954810 \\ 0.99979570 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.97115590 \\ 0.98328780 \\ 0.99067240 \\ 0.99498010 \\ 0.99739240 \\ 0.99869130 \\ 0.99936490 \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \\ 0.94689360 \\ 0.96725580 \\ 0.98883520 \\ 0.998885110 \\ 0.99828420 \\ \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.00208726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \\ 0.47025730 \\ 0.55909260 \\ 0.64369760 \\ 0.72061130 \\ 0.78749280 \\ 0.84322740 \\ 0.88781500 \\ 0.92211320 \\ 0.94751930 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.000000000\\ 0.00000004\\ 0.00000014\\ 0.00000011\\ 0.00002212\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.1357480\\ 0.18549230\\ 0.24729880\\ 0.31753350\\ 0.24729880\\ 0.31753350\\ 0.47339850\\ 0.47339850\\ 0.55292140\\ 0.62938580\\ 0.70018610 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 | 0.00123410 0.00623220 0.02122649 0.05496364 0.11569052 0.20678084 0.3238969 0.45565260 0.58740824 0.70598832 0.80300838 0.87577343 0.92614923 0.95853367 0.97796434 0.98889409 0.99468043 0.99757360 0.99995075 0.99995075 0.999993317 0.999997548 0.999999754 0.999999904 0.999999904 0.999999990 | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.99281350 \\ 0.99987240 \\ 0.99981170 \\ 0.99981170 \\ 0.9999970430 \\ 0.9999970430 \\ 0.9999970430 \\ 0.999999360 \\ 0.999999360 \\ 0.99999920 \\ 0.99999920 \\ \end{array}$ | $\begin{array}{c} 0.00020042\\ 0.00121087\\ 0.00491587\\ 0.01510460\\ 0.03751981\\ 0.07861437\\ 0.14319153\\ 0.23198513\\ 0.34051064\\ 0.45988870\\ 0.57926676\\ 0.68869665\\ 0.78129117\\ 0.85404401\\ 0.90739609\\ 0.94407565\\ 0.96780948\\ 0.99971054\\ 0.99532892\\ 0.99774808\\ 0.99895765\\ 0.99953614\\ 0.9999953614\\ 0.999991795\\ 0.999991795\\ 0.99999731\\ 0.99999732\\ 0.99999532\\ \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \\ 0.998840230 \\ 0.9999334490 \\ 0.99695260 \\ 0.99852710 \\ 0.999952710 \\ 0.999986670 \\ 0.999994420 \\ 0.999997740 \\ \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \\ 0.98591860 \\ 0.99237750 \\ 0.99602820 \\ 0.99800570 \\ 0.99903400 \\ 0.99954810 \\ 0.99979570 \\ 0.99991060 \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.992349510 \\ 0.97115590 \\ 0.98328780 \\ 0.99067240 \\ 0.99498010 \\ 0.99498010 \\ 0.99739240 \\ 0.99869130 \\ 0.99936490 \\ 0.99970160 \\ \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \\ 0.94689360 \\ 0.96725580 \\ 0.98053540 \\ 0.98883520 \\ 0.998881510 \\ 0.999668810 \\ 0.99913930 \\ \end{array}$ | $\begin{array}{c} 0.00000004 \\ 0.00000046 \\ 0.00000320 \\ 0.00001694 \\ 0.00007191 \\ 0.00025512 \\ 0.0028756 \\ 0.0028726 \\ 0.00499541 \\ 0.01081172 \\ 0.02138682 \\ 0.03901199 \\ 0.06612764 \\ 0.10486430 \\ 0.15651310 \\ 0.22107420 \\ 0.29702840 \\ 0.38142190 \\ 0.47025730 \\ 0.55909260 \\ 0.64369760 \\ 0.72061130 \\ 0.78749280 \\ 0.84322740 \\ 0.88781500 \\ 0.92211320 \\ 0.94751930 \\ 0.96566650 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.000000000\\ 0.000000004\\ 0.00000027\\ 0.00000140\\ 0.00000611\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13357480\\ 0.18549230\\ 0.24729880\\ 0.31753350\\ 0.347339850\\ 0.47339850\\ 0.47339850\\ 0.55292140\\ 0.62938580\\ 0.70018610\\ 0.76340070 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |
| 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20 | $\begin{array}{c} 0.00123410 \\ 0.00623220 \\ 0.02122649 \\ 0.05496364 \\ 0.11569052 \\ 0.20678084 \\ 0.3238969 \\ 0.45565260 \\ 0.58740824 \\ 0.70598832 \\ 0.80300838 \\ 0.87577343 \\ 0.92614923 \\ 0.95853367 \\ 0.97796434 \\ 0.98889409 \\ 0.99468043 \\ 0.99757360 \\ 0.999894405 \\ 0.999995075 \\ 0.999993317 \\ 0.999993317 \\ 0.9999997548 \\ 0.999999135 \\ 0.99999904 \\ 0.99999904 \\ 0.99999969 \end{array}$ | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.99281350 \\ 0.99987240 \\ 0.999841170 \\ 0.999841170 \\ 0.999930030 \\ 0.999970430 \\ 0.999970430 \\ 0.9999970430 \\ 0.999999360 \\ 0.99999970 \\ 0.99999970 \\ 0.999999970 \\ 0.999999970 \\ 0.999999970 \\ 0.999999970 \\ 0.999999970 \\ 0.999999970 \\ 0.999999970 \\ 0.9999999999999999999999999999999999$ | $\begin{array}{c} 0.00020042\\ 0.00121087\\ 0.00491587\\ 0.01510460\\ 0.03751981\\ 0.07861437\\ 0.14319153\\ 0.23198513\\ 0.34051064\\ 0.45988870\\ 0.57926676\\ 0.68869665\\ 0.78129117\\ 0.85404401\\ 0.90739609\\ 0.94407565\\ 0.96780948\\ 0.99971054\\ 0.99532892\\ 0.99774808\\ 0.99895765\\ 0.99953614\\ 0.9999953614\\ 0.999991795\\ 0.999997731\\ 0.99999732\\ 0.99999832\\ 0.999999831\\ \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \\ 0.99852710 \\ 0.999931440 \\ 0.999995220 \\ 0.99986670 \\ 0.999994420 \\ 0.999999110 \\ \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \\ 0.98591860 \\ 0.99237750 \\ 0.99602820 \\ 0.98800570 \\ 0.99993400 \\ 0.999954810 \\ 0.999996210 \\ \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.992349510 \\ 0.97115590 \\ 0.98328780 \\ 0.99067240 \\ 0.99498010 \\ 0.99739240 \\ 0.99986420 \\ 0.99986420 \\ \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \\ 0.94689360 \\ 0.96725580 \\ 0.98053540 \\ 0.98053540 \\ 0.998883520 \\ 0.999881510 \\ 0.999668810 \\ 0.99928420 \\ 0.99913930 \\ 0.99958160 \\ \end{array}$ | $\begin{array}{c} 0.00000004\\ 0.00000046\\ 0.00000320\\ 0.00001694\\ 0.00007191\\ 0.00025512\\ 0.00077859\\ 0.00208726\\ 0.00499541\\ 0.01081172\\ 0.02138682\\ 0.03901199\\ 0.06612764\\ 0.10486430\\ 0.15651310\\ 0.22107420\\ 0.29702840\\ 0.38142190\\ 0.47025730\\ 0.55909260\\ 0.64369760\\ 0.72061130\\ 0.78749280\\ 0.84322740\\ 0.84322740\\ 0.88781500\\ 0.92211320\\ 0.94751930\\ 0.96566655\\ 0.97818180 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.000000000\\ 0.000000004\\ 0.00000014\\ 0.00000014\\ 0.00000611\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13357480\\ 0.18549230\\ 0.24729880\\ 0.31753350\\ 0.39387550\\ 0.39387550\\ 0.47339850\\ 0.47339850\\ 0.55292140\\ 0.62938580\\ 0.70018610\\ 0.76340070\\ 0.81789610\\ \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.00000000\\ 0.00000000\\ 0.00000000$ |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 30 30 30 30 30 30 30 30 30 30 30 30 | 0.00123410 0.00623220 0.02122649 0.05496364 0.11569052 0.20678084 0.3238969 0.45565260 0.58740824 0.70598832 0.80300838 0.87577343 0.92614923 0.95853367 0.97796434 0.98889409 0.99468043 0.99757360 0.999995075 0.999993317 0.99999750 0.99999904 0.99999904 0.999999904 0.9999999999 | $\begin{array}{c} 0.00049940 \\ 0.00276940 \\ 0.00276940 \\ 0.01033605 \\ 0.02925269 \\ 0.06708596 \\ 0.13014140 \\ 0.22022060 \\ 0.33281970 \\ 0.45792970 \\ 0.58303980 \\ 0.69677610 \\ 0.79155650 \\ 0.86446440 \\ 0.91654150 \\ 0.95125960 \\ 0.97295840 \\ 0.99281350 \\ 0.99987240 \\ 0.99981370 \\ 0.99991030 \\ 0.9999970430 \\ 0.9999970430 \\ 0.999997040 \\ 0.999999300 \\ 0.999999300 \\ 0.9999999900 \\ 0.9999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.99999900 \\ 0.99999900 \\ 0.99999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.99999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.999999900 \\ 0.99999900 \\ 0.99999900 \\ 0.9999900 \\ 0.9999900 \\ 0.999900 \\ 0.999900 \\ 0.999900 \\ 0.999900 \\ 0.99900 \\ 0.999900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.99900 \\ 0.990000 \\ 0.990000 \\ 0.9900000 \\ 0.99000000 \\ 0.990000000000$ | $\begin{array}{c} 0.00020042\\ 0.00121087\\ 0.00491587\\ 0.01510460\\ 0.03751981\\ 0.07861437\\ 0.14319153\\ 0.23198513\\ 0.34051064\\ 0.45988870\\ 0.57926676\\ 0.68869665\\ 0.78129117\\ 0.85404401\\ 0.90739609\\ 0.94407565\\ 0.96780948\\ 0.99231349\\ 0.99071054\\ 0.99532892\\ 0.99774808\\ 0.99953614\\ 0.999953614\\ 0.999991795\\ 0.99996731\\ 0.99999732\\ 0.999999831\\ 0.999999941\\ \end{array}$ | $\begin{array}{c} 0.00007987 \\ 0.00052226 \\ 0.00229179 \\ 0.00760039 \\ 0.02034103 \\ 0.04582231 \\ 0.08950450 \\ 0.15502780 \\ 0.24239220 \\ 0.34722940 \\ 0.46159730 \\ 0.57596520 \\ 0.68153560 \\ 0.77202450 \\ 0.84441570 \\ 0.89870900 \\ 0.93703370 \\ 0.96258350 \\ 0.97872020 \\ 0.98840230 \\ 0.998931490 \\ 0.99695260 \\ 0.99852710 \\ 0.999931440 \\ 0.999969220 \\ 0.99986670 \\ 0.9999660 \\ 0.99999110 \\ 0.9999999660 \\ \end{array}$ | $\begin{array}{c} 0.00003164 \\ 0.00022264 \\ 0.00105030 \\ 0.00374019 \\ 0.01073389 \\ 0.02588692 \\ 0.05402825 \\ 0.09975791 \\ 0.16581190 \\ 0.25168200 \\ 0.35316490 \\ 0.46310470 \\ 0.57304460 \\ 0.67513150 \\ 0.76360690 \\ 0.83549310 \\ 0.89046500 \\ 0.93016690 \\ 0.95733130 \\ 0.97498820 \\ 0.98591860 \\ 0.99237750 \\ 0.99602820 \\ 0.99800570 \\ 0.99993400 \\ 0.999954810 \\ 0.99995210 \\ 0.999998440 \\ \end{array}$ | $\begin{array}{c} 0.00001247 \\ 0.00009396 \\ 0.00047425 \\ 0.00180525 \\ 0.00553205 \\ 0.01422792 \\ 0.03161966 \\ 0.06205520 \\ 0.10939940 \\ 0.17568120 \\ 0.26003990 \\ 0.35845840 \\ 0.46444760 \\ 0.57043670 \\ 0.66935990 \\ 0.75591770 \\ 0.82720060 \\ 0.88264290 \\ 0.92349510 \\ 0.95209160 \\ 0.97115590 \\ 0.98328780 \\ 0.99067240 \\ 0.99498010 \\ 0.99739240 \\ 0.99869130 \\ 0.99996420 \\ 0.999986420 \\ 0.99994010 \\ \end{array}$ | $\begin{array}{c} 0.00000489 \\ 0.00003931 \\ 0.00021138 \\ 0.00085664 \\ 0.00279243 \\ 0.00763190 \\ 0.01800219 \\ 0.03744649 \\ 0.06985366 \\ 0.11846440 \\ 0.18475180 \\ 0.26761100 \\ 0.36321780 \\ 0.46565370 \\ 0.56808960 \\ 0.66412320 \\ 0.74885880 \\ 0.81947170 \\ 0.87521880 \\ 0.91702910 \\ 0.94689360 \\ 0.96725580 \\ 0.98053540 \\ 0.98883520 \\ 0.998883520 \\ 0.998883520 \\ 0.99968810 \\ 0.99958160 \\ 0.999980270 \\ \end{array}$ | $\begin{array}{c} 0.00000004\\ 0.00000046\\ 0.00000320\\ 0.00001694\\ 0.00007191\\ 0.00025512\\ 0.00077859\\ 0.00208726\\ 0.00499541\\ 0.01081172\\ 0.02138682\\ 0.03901199\\ 0.06612764\\ 0.10486430\\ 0.15651310\\ 0.22107420\\ 0.29702840\\ 0.38142190\\ 0.47025730\\ 0.55909260\\ 0.64369760\\ 0.72061130\\ 0.78749280\\ 0.84322740\\ 0.88781500\\ 0.92211320\\ 0.94751930\\ 0.965666550\\ 0.97818180\\ 0.98652530 \end{array}$ | $\begin{array}{c} 0.00000000\\ 0.000000000\\ 0.000000004\\ 0.000000027\\ 0.000000140\\ 0.00000611\\ 0.00002292\\ 0.00007548\\ 0.00022148\\ 0.00058646\\ 0.00141597\\ 0.00314412\\ 0.00646748\\ 0.01240206\\ 0.02229302\\ 0.03774765\\ 0.06047504\\ 0.09204086\\ 0.13357480\\ 0.18549230\\ 0.24729880\\ 0.3175335\\ 0.39387550\\ 0.39387550\\ 0.47339850\\ 0.47339850\\ 0.55292140\\ 0.62938580\\ 0.70018610\\ 0.76340070\\ 0.81789610\\ 0.86330890 \end{array}$ | $\begin{array}{c} 0.000000000\\ 0.000000000\\ 0.000000000\\ 0.00000000$ |